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MANAGEMENT

BIODIVERSITY DEVELOPMENT ASSESSMENT REPORT

COPI MINERAL SANDS

April 2026



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Executive Summary

Biodiversity Australia (Bio Aus) was requested to prepare a Biodiversity Development Assessment Report (BDAR) for the proposed Copi Mineral Sands Project (The Project). This is for an open-cut mineral sands mine for the extraction and processing of heavy mineral ore to produce a heavy mineral concentrate for R.W Corkery & Co Pty. Ltd (RWC) on behalf of RZ Resources Limited (the "Applicant"). The proposed mine and its associated infrastructure would be located within an area referred to as the "Mine Site," located about 75 kilometres northwest of Wentworth, New South Wales.

The Project is classified as a State Significant Development (SSD) under Clause 5(1)(a) of Schedule 1 of the State Environmental Planning Policy (Planning Systems) 2021 because The Project is for the purpose of 'mineral sands mining'. The Development Application will therefore require assessment under Division 4.7 of Part 4 of the *Environmental Planning and Assessment Act 1979* (EP&A Act). In accordance with Section 4.5(a), the consent authority for The Project will be the Minister for Planning or their delegate.

This BDAR was prepared as a requirement of the Planning Secretary's Environmental Assessment Requirements (SEARs) (SSD-41294067). The Project also triggered the Biodiversity Offset Scheme (BOS) Entry Threshold as it would exceed the area clearing threshold and impact on areas mapped as sensitive on the Biodiversity Values Mapping issued by the NSW State Government.

An Environmental Impact Statement (EIS) accompanied by a BDAR undertaken by EnviroKey Pty Ltd, was submitted to the then Department of Climate Change, Energy, the Environment and Water (DCCEEW) in May 2024. Since the public exhibition of this BDAR, the applicant has amended The Project to reduce the Development Footprint. Additionally, in response to feedback received from the Biodiversity, Conservation and Science Division (BCS), the Applicant engaged Bio Aus to undertake a revised BDAR for The Project. As a result, this report presents an updated assessment inclusive of The Project amendments, and matters raised by the BCS.

In accordance with the Biodiversity Assessment Method 2020 (BAM 2020), a parent case (00052608) was established in the New South Wales Biodiversity Offsets and Agreement Management System (BOAMS). The parent case was then split into two related child cases in the Biodiversity Assessment Methodology Credit Calculator (BAM-C). The Development Footprint – Mine Site and associated infrastructure areas were assigned to a Site-based development (related case 00052609) and the Development Footprint – Linear Corridor and access road were assigned to a Linear development (related case 00055120).

A separate Commonwealth EPBC Act referral has been undertaken and is currently under review. The proponent has not sought assessment under the bilateral agreement.

This BDAR has been previously submitted three times and has undergone three rounds of requests for further information (RFI-96105708). Initially 13 issues were raised by the Conservation Programs, Heritage and Regulation Group. All issues raised by CPHR were addressed and the responses incorporated into the revised BDAR Rev 5.0. Subsequently, after resubmission, five issues were raised by Conservation Planning and Assessment (CPA). Biodiversity Australia's responses to the five issues raised by CPA have now been addressed within this BDAR and can also be found in the CPA RFI response letter located in Appendix A-1. The most recent issue concerns the Pink Cockatoo which has

been assumed present and species polygons drawn around two habitat trees in accordance with the buffer requirements of the NSW BioNet Threatened Biodiversity Data Collection.

Field surveys within the Assessment Area have been ongoing since December 2014. To ensure data remains within the 5-year lifespan required by the BAM 2020, only field survey data, including Vegetation Integrity Plots, from June 2020 onwards, were used for the BDAR.

Thirteen Plant Community Types (PCTs) are present within the Development Footprint/s in which all project-related disturbance within the Mine Site and Linear Corridor would occur. These include:

- PCT 28: White Cypress Pine open woodland of sand plains, prior streams and dunes mainly of the semi-arid (warm) climate zone,
- PCT 58: Black Oak – Western Rosewood open woodland on deep sandy loams mainly in the Murray Darling Depression Bioregion,
- PCT 64: Samphire – Water Weed – Sea Heath shrubland saline wetland of depressions of the arid and semi-arid (warm zones),
- PCT 143: Narrow-leafed Hopbush – Scrub Turpentine – Senna shrubland on semi-arid and arid sandplains and dunes,
- PCT 152: Lunette chenopod shrubland mainly of the Murray Darling Depression Bioregion,
- PCT 154: Pearl Bluebush low open shrubland of the arid and semi-arid plains,
- PCT 157: Bladder Saltbush shrubland on alluvial plains in the semi-arid (warm) zone including Riverina Bioregion,
- PCT 170: Chenopod sandplain mallee woodland/shrubland,
- PCT 171: Spinifex linear dune mallee mainly of the Murray Darling Depression Bioregion,
- PCT 215: Woollybutt Grass open grassland on red earths of the inland plains,
- PCT 221: Black Oak – Pearl Bluebush open woodland of the sandplains of the semi-arid warm and arid climate zones,
- PCT 253: Gypseous shrubland on rises in the semi-arid and arid plains, &
- PCT 254: Black Oak - Bladder Saltbush on light clays in the arid zone.

Field surveys conducted by EnviroKey since June 2020 and by Bio Aus since November 2024 have identified the following ecosystem credit species within the Development Footprint/s:

- Southern Whiteface (*Aphelocephala leucopsis*),
- Dusky Woodswallow (*Artamus cyanopterus*),
- Pied Honeyeater (*Certhionyx variegatus*),
- Little Pied Bat (*Chalinolobus picatus*),
- Chestnut Quail-thrush (*Cinclosoma castanotum*),
- Varied Sittella (*Daphoenositta chrysoptera*),
- Marble-faced Delma (*Delma australis*),
- White-fronted Chat (*Epthianura albifrons*),
- Little Eagle (*Hieraaetus morphnoides*) (foraging only),
- Pink Cockatoo* (*Lophochroa leadbeateri*) (foraging only),

- South-Eastern-Hooded Robin (*Melanodryas cucullata*),
- Bolam's Mouse (*Pseudomys bolami*),
- Ringed Brown Snake (*Pseudonaja modesta*),
- Redthroat (*Pyrrholaemus brunneus*),
- Jewelled Gecko (*Strophurus elderi*), &
- Inland Forest Bat *(Vespadelus baverstocki*).

The following Species Credit Species were confirmed as occurring within the Development Footprint/s:

- Nulla Nulla Grass (*Austrostipa nullanulla*) (Mine Site area only). This species is also a Serious and Irreversible Impact (SAII) entity.

Targeted surveys were conducted in accordance with BAM 2020 during the appropriate survey period, using approved survey methods for each of the candidate species. No evidence was found to confirm the presence of these candidate species. The species include:

Flora

- Harrow Wattle (*Acacia acanthoclada*)
- Purple-wood Wattle (*Acacia carneorum*),
- Atriplex infrequens,
- Austrostipa metatoris,
- Mossgiel Daisy (*Brachyscome papillosa*),
- Burr-daisy (*Calotis moorei*),
- Bladder Senna **(***Colutea arborescens*),
- Bluebush Daisy (*Cratystylis conocephala*),
- Desert Hopbush (*Dodonaea stenozyga*),
- Fleshy Minuria (*Kippistia suaedifolia*),
- Pink Velvet Bush (*Lasiopetalum behrii*),
- Winged Peppercress (*Lepidium monoplocoides*),
- Button Immortelle (*Leptorhynchos waitzia*),
- Thyme Rice Flower (*Pimelea serpyllifolia subsp. serpyllifolia*),
- Cobar Greenhood Orchid (*Pterostylis cobarensis*),
- Bitter Quandong (*Santalum murrayanum*),
- Silky Swainson-pea (*Swainsona sericea*), &
- Yellow Swainson-pea (*Swainsona pyrophila*).

Fauna

- Bush Stone-curlew (*Burhinus grallarius*),
- Crowned Gecko (*Lucasium stenodactylum*),

- Desert Mouse (*Pseudomys desertor*),
- Southern Myotis (*Myotis macropus*),
- Pink Cockatoo* (*Lophochroa leadbeateri*),
- Red-lored Whistler (*Pachycephala rufogularis*),
- Striated Grass Wren (Murray Mallee) (*Amytornis striatus howei*),
- Southern Hairy-nosed Wombat (*Lasiorhinus latifrons*),
- Square-tailed Kite (*Lophoictinia isura*),
- Australian Bustard (*Ardeotis australis*),
- White-bellied Sea-Eagle (*Haliaeetus leucogaster*),
- Black-eared Miner (*Manorina melanotis*),
- Black-breasted Buzzard (*Hamirostra melanosternon*),
- Little Eagle (*Hieraaetus morphnoides)***,
- Masked Owl (*Tyto novaehollandiae*), &
- Painted Burrowing Frog (*Neobatrachus Pictus*)***.

*The Pink Cockatoo is a dual credit species; ecosystem credits for foraging habitat, and species credit species for breeding habitat. Targeted surveys were undertaken in accordance with the survey guidelines during the breeding season targeting suitable hollow bearing trees. It was recorded in and around the Development Footprint - Mine Site and Development Footprint - Linear Corridor during targeted and opportunistic surveys within the breeding season August to December. However, no evidence of breeding (activity or active breeding habitat) was observed or recorded in either area. Pink Cockatoo has been assumed present due to insufficient survey effort around two suitable habitat trees which will be cleared.

** The Little Eagle is also a dual credit species; ecosystem credits for foraging habitat, and species credit species for breeding habitat. The species was recorded outside of the Development Footprint – Mine Site and Development Footprint Linear Corridor, however no individuals were observed or recorded within either area. A BAM compliant survey consisting of 20-minute raptor survey points along transects through suitable elevated wooded habitat and at Large Raptor nests were conducted on two consecutive days during the species survey window in August 2025, however no evidence of breeding was found.

*** The Painted Burrowing Frog is a species credit species. It has been recorded within the region of the Development Footprint – Mine Sites and Development Footprint – Linear Corridor. However, habitat assessments indicate that only very limited suitable breeding habitat occurs within the Development Footprint area. Targeted habitat surveys were undertaken in May 2025, to assess the quality and extent of the potential aquatic habitat. Detection of the Painted Burrowing Frog is contingent on specific survey conditions, including minimum of 50 millimetres of rain within a 24-hr period. No such event occurred during the assessment period precluding targeted survey effort. In accordance with Box 3 of the BAM (DPIE 2020), an expert report was provided. The expert report concluded that there is a low likelihood of occurrence for the frog due to factors including widespread saline wetlands which are unsuitable for *N. pictus,* making the Copi Mineral Sands site highly unlikely to be of significance for *N. pictus* (Ecological Horizons, 2025).

While Painted Burrowing Frogs are primarily threatened by habitat loss and fragmentation caused by over-grazing and the decline of suitable wetland habitats, these pressures have already contributed to the current degraded and unsuitable habitat conditions within the Development Footprint (DCCEEW, 2024). Consequently, the site does not provide habitat features likely to support the species.

Key threatening processes to the species such as fragmentation by land clearing, loss of habitat through over-grazing by sheep and goats, and the loss of suitable wetland habitats (DCCEEW, 2024).are found within the Development Footprint Mine site and therefore it is unlikely that *N. pictus* is present. This is supported by the conclusions from the GHD literature (GHD 2025), data review and site report.

The Painted Burrowing Frog was determined to be unlikely to occur within the Development Footprints due to the scarcity of nearby records, presence of extensive tracts of unsuitable habitat and presence of predatory animals. As such the Painted Burrowing Frog has been excluded as a species credit species from the assessment.

Targeted surveys for the Desert mouse were conducted in accordance with BAM 2020 and the species survey guidelines. However, due to this species being difficult to detect, an expert report was acquired, in addition to the field survey effort, to ensure a comprehensive assessment of presence. As such, based on the expert report, the Desert mouse has been excluded as a species credit species from the assessment.

Five Plant Community Types had potential links with three Endangered Ecological Communities (EEC) located within the Development Footprint/s. These included:

- Vegetation identified as PCT 28, which is consistent with the EEC *Sandhill Pine Woodland in the Riverina, Murray-Darling Depression and NSW South Western slopes bioregions* that is listed as Endangered under the *Biodiversity Conservation Act 2016* (BC Act),
- Vegetation identified as PCT 58, 143, 154, 170 were potentially linked with the EEC - *Acacia loderi shrublands* which is listed as Endangered under the BC Act, and
- Vegetation identified as PCT 28, 58, 170 was potentially linked with the EEC *Acacia melvillei Shrubland in the Riverina and Murray-Darling Depression bioregions* is listed as Endangered under the BC Act.

Following a review of the Final Determinations for each of the three relevant EECs, it was determined that only one community, PCT 28 White Cypress Pine open woodland of sand plains, prior streams and dunes mainly of the semi-arid (warm) climate zone, met the relevant criteria to be considered EEC (*Sandhill Pine Woodland in the Riverina, Murray-Darling Depression and NSW South Western slopes bioregions*) as defined by the New South Wales Scientific Committee – Final Determinations.

The Development Footprint – Mine Site would result in direct impacts to 3,692.92 hectares (ha), which comprises Native Vegetation that is consistent with all identified PCTs. The Development Footprint – Linear Corridor, would result in direct impacts to 190.16 ha of Native Vegetation.

The design of The Project has evolved in an iterative manner over a six-year period from 2018 to 2025. This has involved consideration of the findings of the technical and environmental studies undertaken, feedback from the local and wider community, and responses from the BCS and other New South Wales agencies. Strategies used to avoid and minimise impacts to biodiversity include the redesign of the Mine

Site and a reduction in the Linear Corridor width from an initial 120 metres to 90 metres to 60 meters, and more recently 42 metres.

An area (Huntingfield/Sunshine) adjacent to the northwest boundary of the current Development Footprint – Mine Site (which was included in the original Mine Site design) was removed from the current mine layout, however it is not an avoidance measure (RZ Resources may apply to mine this land in the future). The area was excluded due to the inability to accessing the property, which meant biodiversity impacts could not be fully determined. The current design avoids uncertain impacts.

Some infrastructure components will be located within the Development Footprint, but outside of the mine path for the life of The Project. However, the mine path will be progressively backfilled with tailings and overburden. Additionally, the Temporary Tailings Storage Facility (TTSF) will be used to backfill the mine path void following the cessation of mining operations.

This BDAR includes a range of measures designed to mitigate and manage impacts on Biodiversity Values commensurate to the level of impact proposed by The Project. These include staging of vegetation clearing, avoidance of retained areas of vegetation, pre-clearing surveys of Spinifex Grass and Hollow Bearing Trees, Nest Trees and specific requirements around *Austrostipa nullanulla.*

Based on BOAMS, and related cases in the BAM-C (Section 1); Tables E1 (Table 70) and E2 (Table 71) identify Ecosystem Credits, whilst Tables E3 (Table 72) and E4 (Table 73) identify the Species Credits related to the impacts within the Development Footprint at the Mine Site and Linear Corridor areas of The Project.

Table E1: Impacts that require an offset – Ecosystem Credits – Development Footprint – Mine Site

Zone	Vegetation zone name	TEC name	Current VI score	Change in VI	Area (ha)	Sensitivity to loss (Justification)	Species sensitivity to gain class	Biodiversity risk weighting	Ecosystem credits
58 Black Oak - Western Rosewood open woodland on deep sandy loams mainly in the Murray Darling Depression Bioregion									
#1	58_Mod	Not a TEC	53.8	53.8	190	PCT Cleared - 50%	High	1.725	4,470
								Subtotal	**4,470**
64 Samphire - Water Weed - Sea-Heath shrubland saline wetland of depressions of the arid and semi-arid (warm) zones									
#2	64_Mod	Not a TEC	49.9	49.9	641.4	PCT Cleared - 0%	High	1.50	12,011
								Subtotal	**12,011**
152 Lunette chenopod shrubland mainly of the Murray Darling Depression Bioregion									
#3	152_Mod	Not a TEC	49.8	49.8	249.8	PCT Cleared - 27%	Moderate	1.50	4,666
								Subtotal	**4,666**
154 Pearl Bluebush low open shrubland of the arid and semi-arid plains									
#4	154_Mod	Not a TEC	34.2	34.2	1,564.7	PCT Cleared - 43%	Moderate	1.50	20,053
								Subtotal	**20,053**
157 Bladder Saltbush shrubland on alluvial plains in the semi-arid (warm) zone including Riverina Bioregion									
#5	157_Mod	Not a TEC	77.1	77.1	492	PCT Cleared - 60%	High	1.75	16,592
#6	157_High	Not a TEC	70	70	3.6	PCT Cleared - 60%	High	1.75	110
								Subtotal	**16,702**
170 Chenopod sandplain mallee woodland/shrubland of the arid and semi-arid (warm) zones									
#7	170_Mod	Not a TEC	26.1	26.1	2.0	PCT Cleared - 41%	High	1.50	19
								Subtotal	**19**
171 Spinifex linear dune mallee mainly of the Murray Darling Depression Bioregion									
#8	171_LowMod	Not a TEC	63	63	5.6	PCT Cleared - 19%	High	1.50	132
								Subtotal	**132**

Zone	Vegetation zone name	TEC name	Current VI score	Change in VI	Area (ha)	Sensitivity to loss (Justification)	Species sensitivity to gain class	Biodiversity risk weighting	Ecosystem credits
215 Woollybutt Grass open grassland on red earths of the inland plains									
#9	215_Mod	Not a TEC	20.1	20.1	5.1	PCT Cleared - 20%	High	1.50	38
#10	215_High	Not a TEC	31.6	31.6	0.82	PCT Cleared - 20%	high	1.50	10
								Subtotal	**48**
221 Black Oak - Pearl Bluebush open woodland of the sandplains of the semi-arid warm and arid climate zones									
#11	221_Mod	Not a TEC	57.3	57.3	391.9	PCT Cleared - 30%	High	1.50	8,423
#12	221_High	Not a TEC	62	62	3.1	PCT Cleared - 30%	High	1.50	72
								Subtotal	**8,495**
253 Gypseous shrubland on rises in the semi-arid and arid plains									
#13	253_Mod	Not a TEC	54.3	54.3	140.1	PCT Cleared - 30%	High	1.50	2,852
								Subtotal	**2,852**
254 Black Oak - Bladder Saltbush on light clays in the arid zone									
#14	254_Low	Not a TEC	60.5	60.5	1.2	PCT Cleared - 10%	High	1.50	26
								Subtotal	**26**
								Total	**69,474**

Table E2: Impacts that require an offset – Ecosystem Credits – Development Footprint – Linear Corridor

Zone	Vegetation zone name	TEC name	Current VI score	Change in VI	Area (ha)	Sensitivity to loss (Justification)	Species sensitivity to gain class	Biodiversity risk weighting	Ecosystem credits
28 White Cypress Pine open woodland of sand plains, prior streams and dunes mainly of the semi-arid (warm) climate zone									
EEC Sandhill Pine Woodland in the Riverina, Murray–Darling Depression and NSW South Western Slopes Bioregions - ENDANGERED									
#1	28_Mod	TEC	54.6	54.6	0.77	BC Act Listing Status	High	2.00	21
								Subtotal	**21**
58 Black Oak - Western Rosewood open woodland on deep sandy loams mainly in the Murray Darling Depression Bioregion									
#2	58_Mod	Not a TEC	53.8	53.8	48.8	PCT Cleared - 50%	High	1.75	1,150
								Subtotal	**1,150**
143 Narrow-leaved Hopbush - Scrub Turpentine - Senna shrubland on semi-arid and arid sandplains and dunes.									
#3	143_Mod	Not a TEC	80.2	80.2	17.2	PCT Cleared - 30%	High	1.50	517
								Subtotal	**517**
154 Pearl Bluebush low open shrubland of the arid and semi-arid plains									
#4	154_Mod	Not a TEC	34.2	34.2	102.1	PCT Cleared - 43%	High	1.50	1,308
								Subtotal	**1,308**
170 Chenopod sandplain mallee woodland/shrubland of the arid and semi-arid (warm) zones									
#5	170_Mod	Not a TEC	26.1	26.1	13.6	PCT Cleared - 41%	High	1.50	133

Zone	Vegetation zone name	TEC name	Current VI score	Change in VI	Area (ha)	Sensitivity to loss (Justification)	Species sensitivity to gain class	Biodiversity risk weighting	Ecosystem credits
								Subtotal	**133**
171 Spinifex linear dune mallee mainly of the Murray Darling Depression Bioregion									
#6	171_Low	Not a TEC	63	63	6.6	PCT Cleared - 19%	High	1.50	155
								Subtotal	**155**
								Total	**3,284**

Table E3: Impacts that require an offset – Species Credits - Development Footprint - Mine Site

Vegetation zone name	Habitat condition (VI)	Change in habitat condition	Area (ha)	Sensitivity to loss (Justification)	Sensitivity to gain (Justification)	BC Act Listing status	EPBC Act listing status	Potential SAII	Species credits
***Austrostipa nullanulla* / A spear-grass (Flora)**									
58_Mod	53.8	53.8	3.3	Geographic Distribution	Ability to colonise improved habitat	Endangered	Not Listed	True	133
64_Mod	49.9	49.9	0.95	Geographic Distribution	Ability to colonise improved habitat	Endangered	Not Listed	True	36
152_Mod	49.8	49.8	2.8	Geographic Distribution	Ability to colonise improved habitat	Endangered	Not Listed	True	104
154_Mod	34.2	34.2	6.9	Geographic Distribution	Ability to colonise improved habitat	Endangered	Not Listed	True	177
157_Mod	77.1	77.1	14	Geographic Distribution	Ability to colonise improved habitat	Endangered	Not Listed	True	810
253_Low	54.3	54.3	30.8	Geographic Distribution	Ability to colonise improved habitat	Endangered	Not Listed	True	1,255
254_Mod	60.5	60.5	0.83	Geographic Distribution	Ability to colonise improved habitat	Endangered	Not Listed	True	38
								Subtotal	**2,553**

***Lophochroa leadbeateri* / Pink Cockatoo (Fauna)**									
154_Mod	34.2	34.2	3.8	BC Act listing status	Sp. dependent on habitat attributes	Vulnerable	Endangered	False	65
170_Mod	26.1	26.1	0.54	BC Act listing status	Sp. dependent on habitat attributes	Vulnerable	Endangered	False	7
221_Mod	57.3	57.3	7.2	BC Act listing status	Sp. dependent on habitat attributes	Vulnerable	Endangered	False	207
221_High	61.9	61.9	1	BC Act listing status	Sp. dependent on habitat attributes	Vulnerable	Endangered	False	31
								Subtotal	**310**

Table E4: Impacts that require an offset – Species Credits - Development Footprint – Linear Corridor

Vegetation zone name	Habitat condition (VI)	Change in habitat condition	Area (ha)	Sensitivity to loss (Justification)	Sensitivity to gain (Justification)	BC Act Listing status	EPBC Act listing status	Potential SAII	Species credits
***Lophochroa leadbeateri* / Pink Cockatoo (Fauna)**									
154_Mod	53.8	53.8	3.4	BC Act listing status	Sp. dependent on habitat attributes	Vulnerable	Endangered	False	91
170_Mod	80.2	80.2	0.2	BC Act listing status	Sp. dependent on habitat attributes	Vulnerable	Endangered	False	8
221_Mod	34.2	34.2	3.9	BC Act listing status	Sp. dependent on habitat attributes	Vulnerable	Endangered	False	67
								Subtotal	**166**

Abbreviations

Table 1: List of abbreviations within report

AOBV	Area of Outstanding Biodiversity Value
Mine Site Assessment Area	Area of land within a 1500 m buffer around the outer boundary of the Development Footprint – Mine Site.
Linear Corridor Assessment Area	Area of land within a 500 m buffer around the outer boundary of the Development Footprint – Linear Corridor.
BAM	Biodiversity Assessment Method
BAMC	Biodiversity Assessment Method Calculator
BC Act	*Biodiversity Conservation Act 2016*
BC Regulation	*NSW Biodiversity Conservation Regulation 2017*
BDAR	Biodiversity Development Assessment Report
Bio Aus	Biodiversity Australia
BOAMS	Biodiversity Offsets and Agreement Management System
BOS	Biodiversity Offset Scheme
DA	Development Application
DAWE	Commonwealth Department of Agriculture, Water and the Environment
DCCEEW	The NSW Department of Climate Change, Energy, the Environment and Water
DCP	Development Control Plan
DEC	Department of Environment and Conservation
DPE	Department of Planning and Environment
DPIE	Department of Planning, Industry and Environment
DPI & RD	Department of Planning, Industry and regional Development
EEC	Endangered Ecological Community
EP&A Act	*NSW Environmental Planning and Assessment Act 1979*
EPBC Act	*Environment Protection and Biodiversity Conservation Act 1999*
GDEs	Groundwater Dependent Ecosystems
GIS	Geographic Information System
GPS	Global Positioning System
ha	Hectares
HBT	Hollow-bearing Tree
IBRA	Interim Biogeographic Regionalisation for Australia
LEP	Local Environmental Plans
LGA	Local Government Area
MNES	Matter of National Environmental Significance
NSW	New South Wales
PCT	Plant Community Type
PIR	Passive Infrared Camera
SAII	Serious and Irreversible Impacts
SEAR	Secretary's Environmental Assessment Requirements
SEPP	*State Environmental Protection Policy*
SMP	Strategic Management Plan

SSD	State Significant Development
TBDC	Threatened Biodiversity Data Collection
TEC	Threatened Ecological Community
VMP	Vegetation Management Plan
VI	Vegetation Index
VZ	Vegetation Zone

Abbreviations adopted within this report are compliant with the BAM 2020 Glossary of terms.

Certification under Section 6.15 Biodiversity Conservation Act 2016

I, John Foster (BAAS25008) certify that this Biodiversity Development Assessment Report and the accompanying finalised credit reports have been prepared based on the requirements of, and information provided under the Biodiversity Assessment Method 2020 and clause 6.15 of the *Biodiversity* Conservation *Act 2016*.

I declare that all EPBC listed species and communities that have the potential to occur within the Subject Land have been identified in this BDAR including those that are ecosystem credit species.

Date: 14 April 2026

Signature: John Foster

BAM Assessor Accreditation no: BAAS25008

CONFLICT OF INTEREST

I declare that I have considered the circumstances and there is no actual, perceived or potential conflict of interest. This declaration has been made in the interests of full disclosure to the decision-maker. Full disclosure has also been provided to the client.

Date: 14 April 2026

Signature: John Foster

BAM Assessor Accreditation no: BAAS25008

Details and Experience of Authors and Contributors are located in Appendix A-12

STAGE 1 - BIODIVERSITY ASSESSMENT

1. Introduction

Biodiversity Australia (Bio Aus) was requested to undertake a Biodiversity Development Assessment Report (BDAR) for the proposed open-cut mineral sands mine Copi Mineral Sands Project (The Project), on behalf of R.W Corkery & Co Pty. Ltd (RWC) and RZ Resources Limited (The Client). The proposed activity and its associated infrastructure would be located within an area of 75 kilometres (km) northwest of Wentworth, New South Wales (NSW), in the Wentworth Local Government Area (LGA) (Figure 1, Figure 2 and Figure 3). Relevant property identifiers are Lot 1907//DP763791, 1//DP1255308, 1940//DP763792 and 4068//DP766543 within Development Footprint – Mine Site and 4068//DP766543, 4117//DP766622, 3421//DP765710, 3422//DP765711, 3423//DP765712, 1908//DP763764, 1910//DP763766 and 3248//DP765453 within the Development Footprint - Linear Corridor (Figure 4 and Figure 5).

The Development Footprint - Mine Site and associated infrastructure areas were assigned to a site-based development (related case 00052609), and the Development Footprint – Linear Corridor was assigned to a Linear Development (related case 00055120) in the Biodiversity Assessment Method Calculator (BAM-C). This BDAR considers the Assessment Area, comprising the Development Footprint (both Development Footprint – Mine Site and Development Footprint – Linear Corridor) as identified in Figure 6**.** The transportation route or the rail facility at Broken Hill may occur in future assessments and is not included in this BDAR.

1.1 Requirement for the BDAR

Dredge mining from an Extraction area 9.5 kilometres (km) long and up to 1,000 m wide is proposed within the Subject Land. The mining would be using conventional free dig, load and haul mining techniques. Extracted overburden, namely material located above the water table with no heavy mineral, would be used to construct infrastructure within the Mine Site or stockpiled for later use during rehabilitation operations. The placed reject and interburden would be covered by overburden and soil before being rehabilitated.

For the purpose of this BDAR, the area of maximum construction and operational disturbance is hereafter referred to as the Development Footprint, encompassing a total of 4019.6 hectares (ha) (Figure 6, Figure 7, and Figure 8).

The Assessment Area includes the area of land within the 1500 m buffer zone surrounding the Development Footprint – Mine Site and 500 m surrounding the Development Footprint – Linear Corridor that is determined as per Subsection 3.1.2. of the BAM 2020.

The Development Footprint total is 4,019.6 ha with an Assessment Area of 13,693.4 ha. The Development Footprint – Linear Corridor total is 218.4 ha with an Assessment Area (500 m buffer) 3,619 ha. The Development Footprint – Mine Site total is 3801.2 ha with an Assessment Area (1500 m buffer) 10,271.7 ha.

Table 2: Areas of The Project

Areas	Mine Site (ha)	Linear Corridor (ha)	Combined (ha)
Non-vegetated land - Including salt lakes	108.3	28.1	136.4
Assessment Area - Development Footprint + Buffer	10271.74	3619.00	13693.40
Development Footprint	3801.20	218.43	4019.62
Subject Land	39879.70	32469.56	72349.25

These are identified in Figure 9: Development Footprint – Mine Site and Assessment Area and Figure 10: Development Footprint– Linear Corridor and Assessment Area.

The extent of clearing required for the proposed Development Footprint will exceed the clearing threshold prescribed under the BAM 2020. The majority of the Subject Land is zoned RU1 Primary Production under the Wentworth Local Environmental Plan 2011 (The LEP). Areas of Biodiversity Values are mapped within the Subject Land including saline plains (Figure 18 & Figure 19).

The Project is classified as State Significant Development (SSD) under Clause 5(1)(a) of Schedule 1 of the State Environmental Planning Policy (SEPP) (Planning Systems) 2021 'mineral sands mining'. Therefore, the Development Application (DA) will require assessment under Division 4.7 of Part 4 of the *Environmental Planning and Assessment Act 1979* (EP&A Act). Under Section 4.5(a) of the EP&A Act, the consent authority for The Project will be the Minister for Planning or their delegate.

Section 7.14(2) of the *Biodiversity Conservation Act 2016* (BC Act) states *'that the Minister for Planning, when determining in accordance with the EP&A Act any such application, is to take into consideration under that Act the likely impact of the proposed development on biodiversity values as assessed in the biodiversity development assessment report. The Minister for Planning may (but is not required to) further consider under that Act the likely impact of the proposed development on biodiversity values.*

1.2 Definitions Used in the Report

This report uses the following key definitions as per BAM:

- **Study Area:** A 10 km area where desktop assessment was conducted for threatened species under BC Act and EPBC Act.
- **Subject Land:** Land comprised of Lot 1907//DP763791, 1//DP1255308, 1940//DP763792 and 4068//DP766543 within Development Footprint – Mine Site and 4068//DP766543, 4117//DP766622, 3421//DP765710, 3422//DP765711, 3423//DP765712, 1908//DP763764, 1910//DP763766 and 3248//DP765453 within the Development Footprint – Linear Corridor which is an area of 72,349.52 ha.
- **Assessment Area:** Includes the Subject Land and the area of land within the 1500 m buffer zone surrounding the Subject Land (or 500 m buffer zone for linear proposals) that is determined as per Subsection 3.1.2 (Figure 9 and Figure 10).
- **Development Footprint:** The area of land that is directly impacted by a proposed development, including access roads and areas used to store construction materials. The term *Development Footprint* is also taken to include clearing footprint, except where the reference is to a small area development or a major project development. The includes both the Development Footprint – Mine Site and Development Footprint – Linear Corridor collectively (Table 2 and Figure 6).
- **Development Footprint – Mine Site:** Refers to the area that will be directly impacted by the proposed action including any infrastructure within the Subject Land which covers 3,801.2 ha (Figure 7).
- **Development Footprint - Linear Corridor:** The access haul route, including the road and electricity easement stretching 33 km long and 42 metres (m) wide to the northeast, connecting with the B79 Motorway, covering an area of 218.4 ha (Figure 8).

These definitions are in line with the BAM, which provides further explanation of definitions and legal terms that may be used in this report. Refer to Table 1 for a list of abbreviations and explanations.

1.3 Structure of the Report

This report has been structured using guidance provided in Appendix K of the BAM. It is structured as follows:

- Section 1 – Introduction: Provides background information for the assessment,
- Section 2 – Landscape Context: Describes the landscape features of the Subject Land and Assessment Area,
- Section 3 - Native Vegetation: Describes the Native Vegetation features of the Subject Land,
- Section 4 – Threatened Species: Describes the threatened species and habitat features associated with the Subject Land,
- Section 5 – Avoid and Minimise Impacts: Details avoidance and minimisation measures for the proposal, &
- Section 6 – Impact Summary and Biodiversity Credit Report: Provides an impact summary and the number and type of credits required to offset impacts.

1.4 Description of the Subject Land

The Subject Land comprises 72,344.52 ha. The properties are located 75 km northwest of Wentworth, New South Wales, within the Wentworth LGA (Figure 3). The entire area is zoned RU1 Primary Production under the Wentworth Local Environmental Plan 2011 (The LEP). The list of the Subject Land Lot Plans where the Development Footprint – Mine Site and Development Footprint – Linear Corridor intersect is provided in Table 3 below.

Table 3: List of the lot / plans within the Subject Land

Development Footprint – Mine Site	Development Footprint – Linear Corridor
1907//DP763791	4068//DP766543
1//DP1255308	4117//DP766622
1940//DP763792	3421//DP765710
4068//DP766543	3422//DP765711
	3423//DP765712
	1908//DP763764
	1910//DP763766
	3248//DP765453

The Subject Land is within the Murray Darling Depression Interim Biogeographic Regionalisation for Australia (IBRA) Region and South Olary Plain IBRA Subregion. The Development Footprints are compounded by Scotia Linear Dunes, Scotia Groundwater Basins and Scotia Sandplains Mitchell Landscapes (Figure 11 and Figure 12).

The Subject Land has undergone substantial historical grazing disturbance over decades from ongoing pastoral activity including sheep and goats. The area had regular drought records over the past 40 years

which has likely exacerbated these grazing pressures. However, Native Vegetation still dominates the ground and shrub layer where 13 Plant Community Types (PCTs) have been confirmed.

There is no Category 1 – exempt land mapped within the Development Footprint based on the Transitional Native Vegetation Regulatory Map.

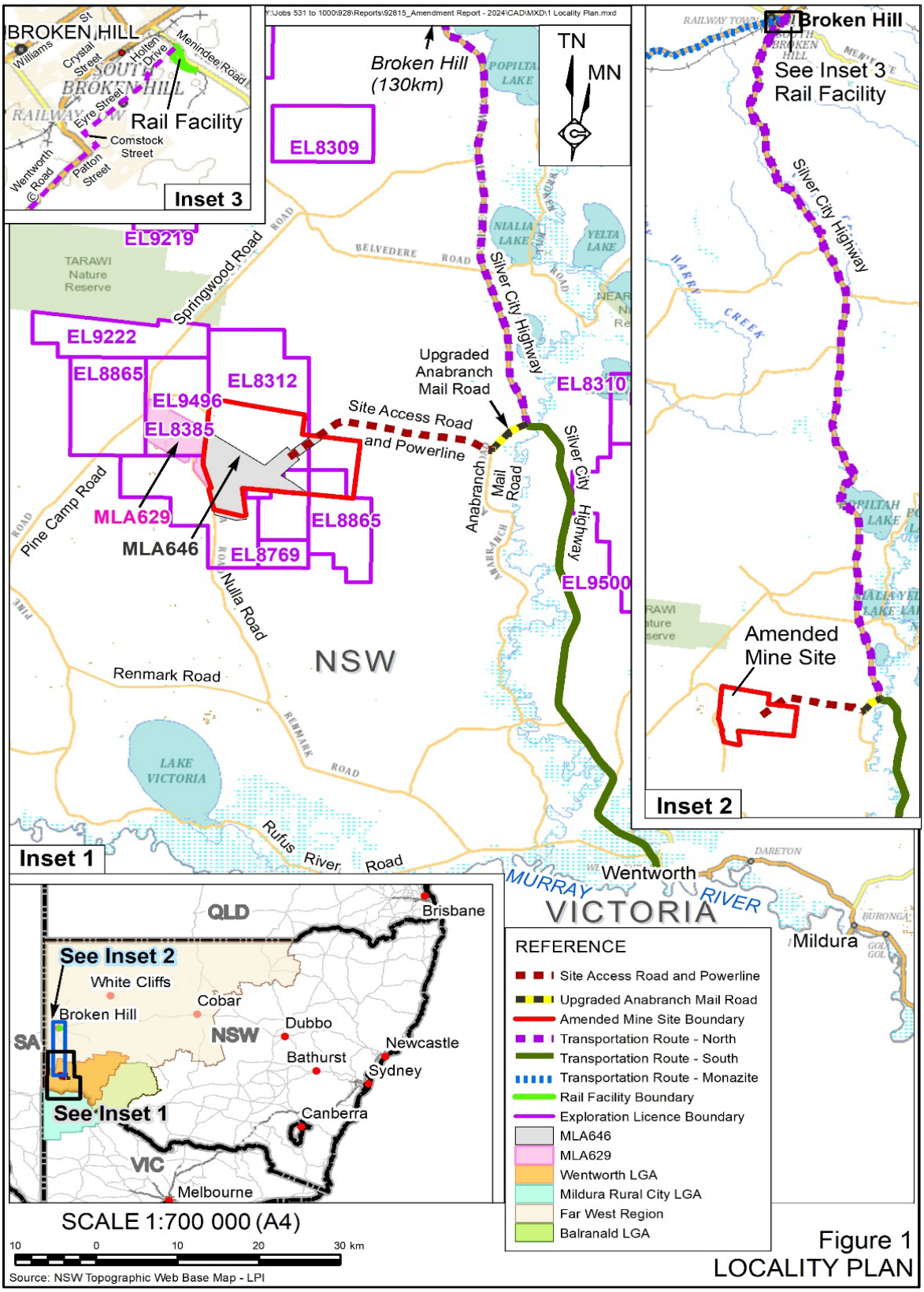
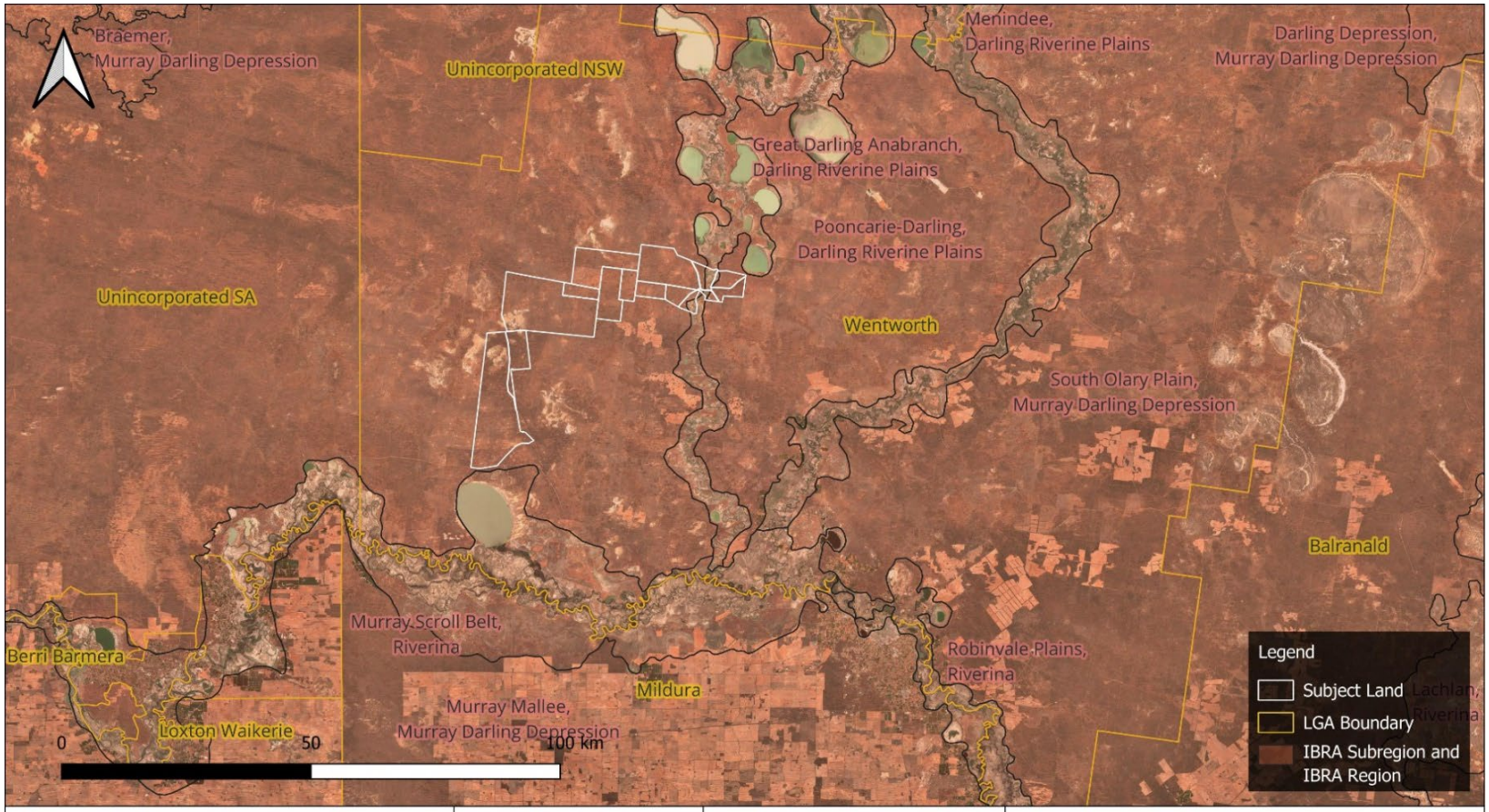


Figure 1: Locality plan



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Location of Subject Land	Biodiversity AUSTRALIA	
	Drawn by: NE	Location: Warwick Station		
	Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
				Scale: 1:1000000

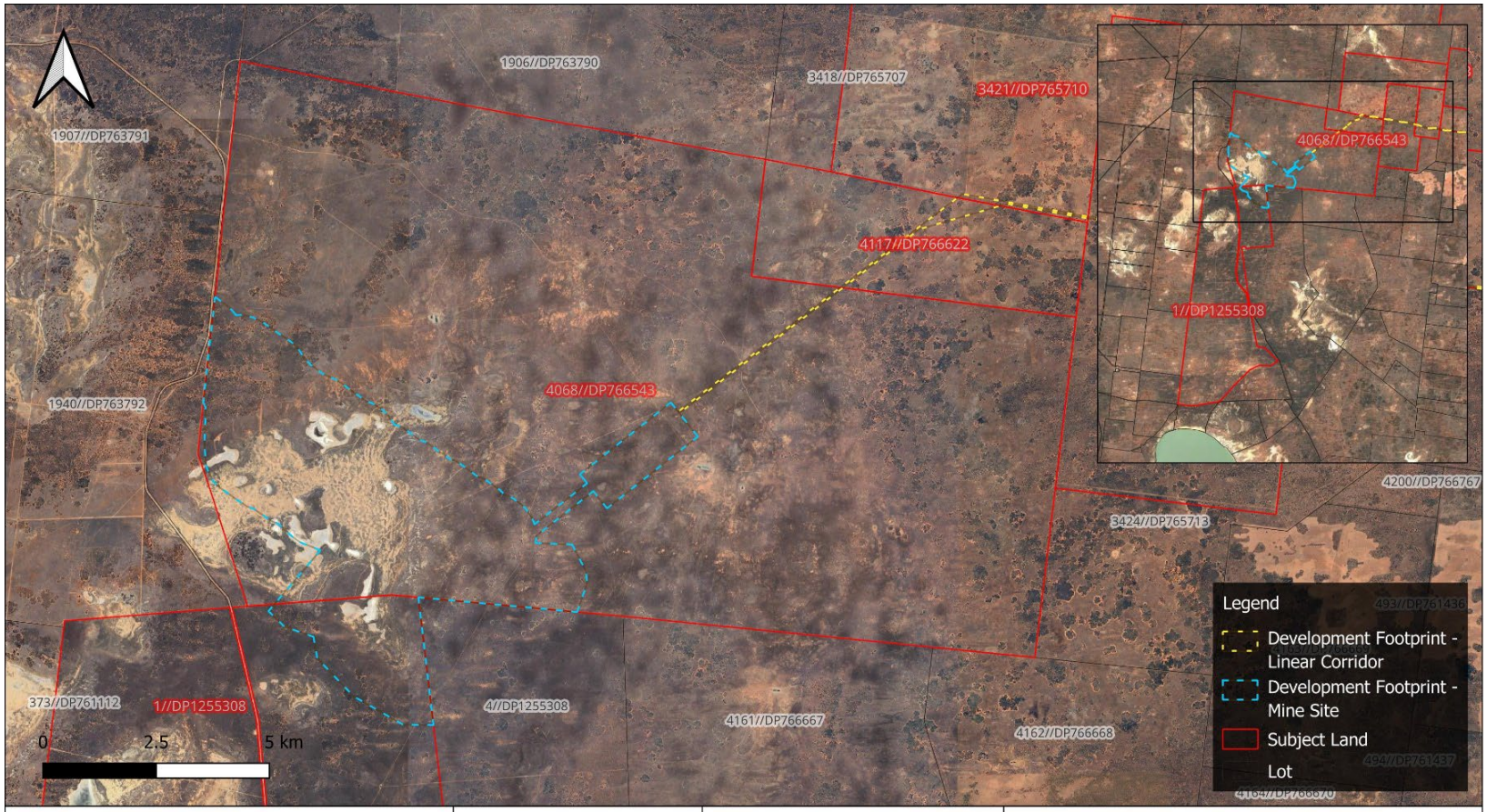
Figure 2: Location of the Subject Land



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.

Project Manager: NC	Figure Name: LGAs, IBRA Regions and Subregion Boundaries	Biodiversity AUSTRALIA	
Drawn by: NE	Location: Warwick Station		
Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:1000000

Figure 3: LGAs, IBRA Regions and subregion boundaries



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Cadastre – Development Footprint - Mine Site	Biodiversity AUSTRALIA
	Drawn by: NE	Location: Warwick Station	
	Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872
			Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:110000

Figure 4: Cadastre – Development Footprint - Mine Site



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Cadastre – Development Footprint - Linear Corridor	Biodiversity AUSTRALIA
	Drawn by: NE	Location: Warwick Station	
	Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872
			Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:180000

Figure 5: Cadastre - Development Footprint – Linear Corridor

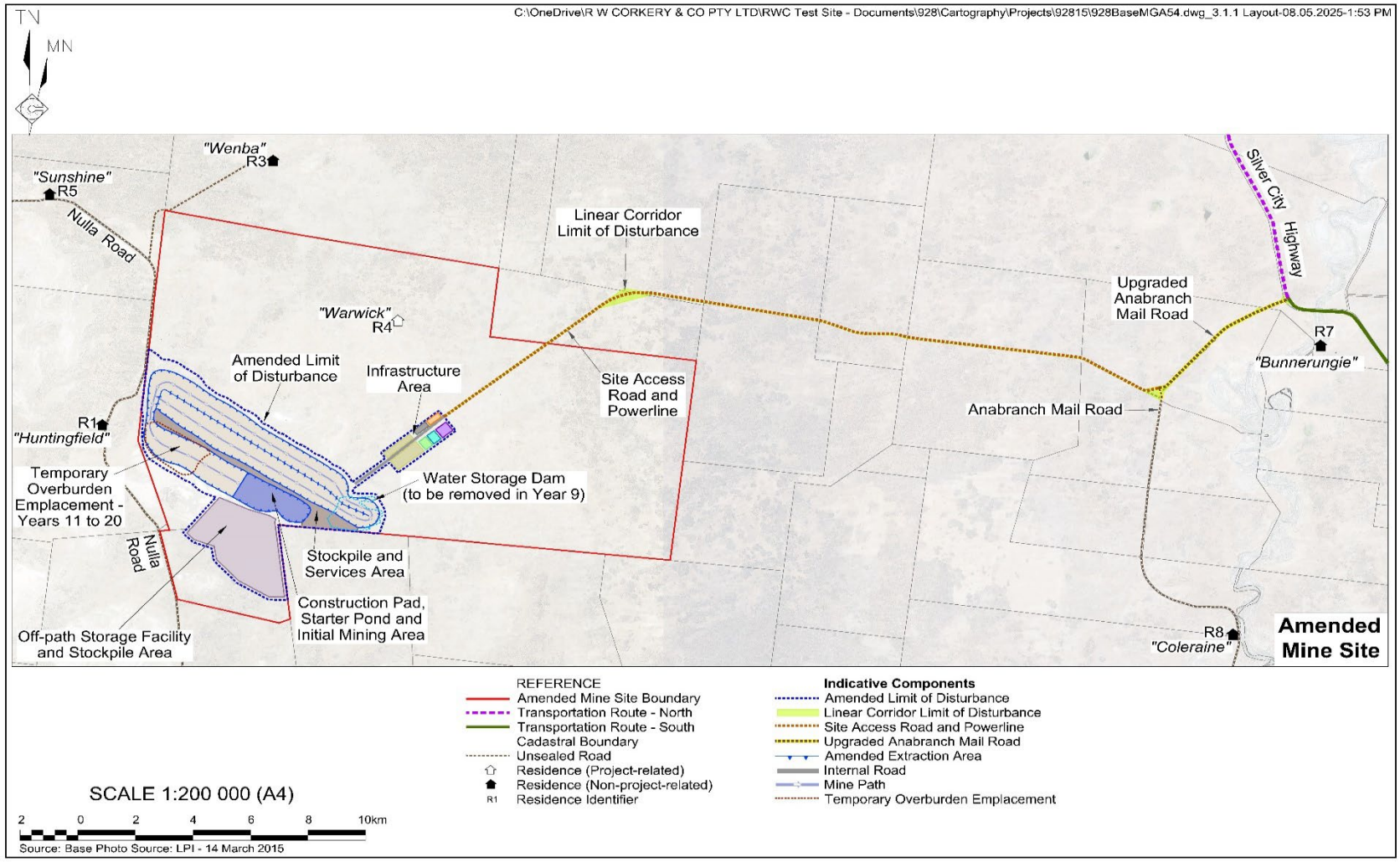


Figure 6: Development Footprint/s

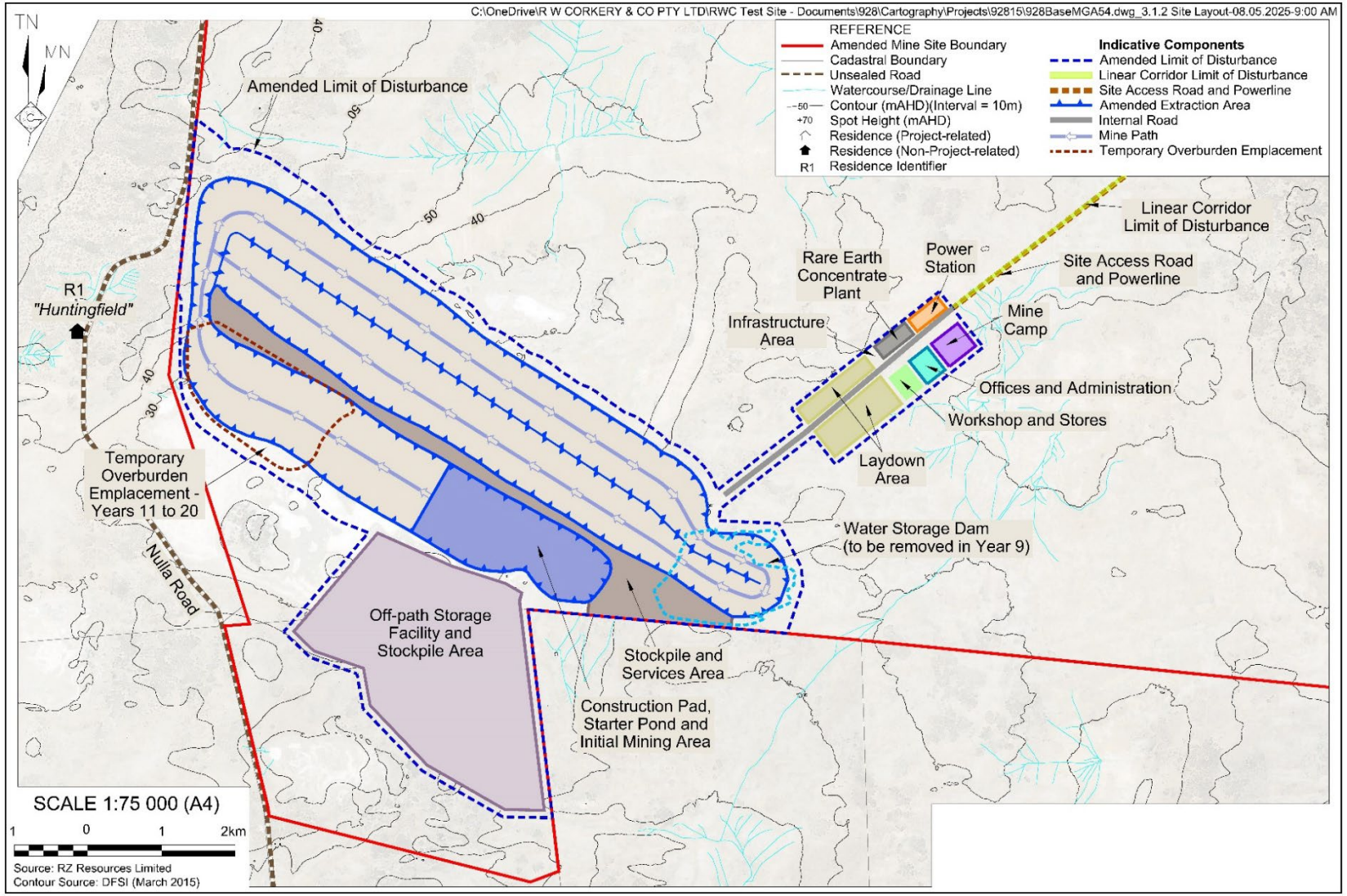


Figure 7: Development Footprint – Mine Site

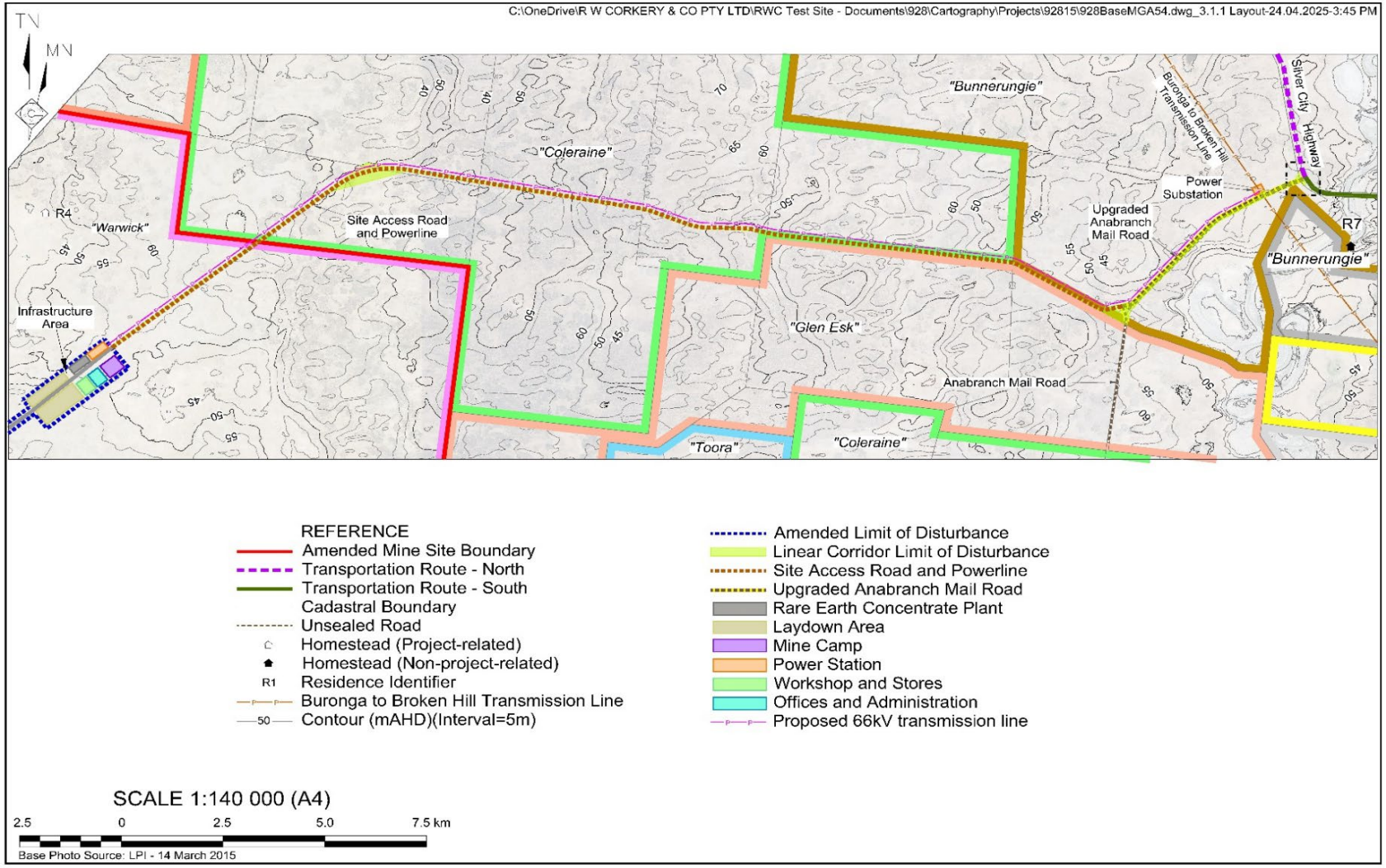
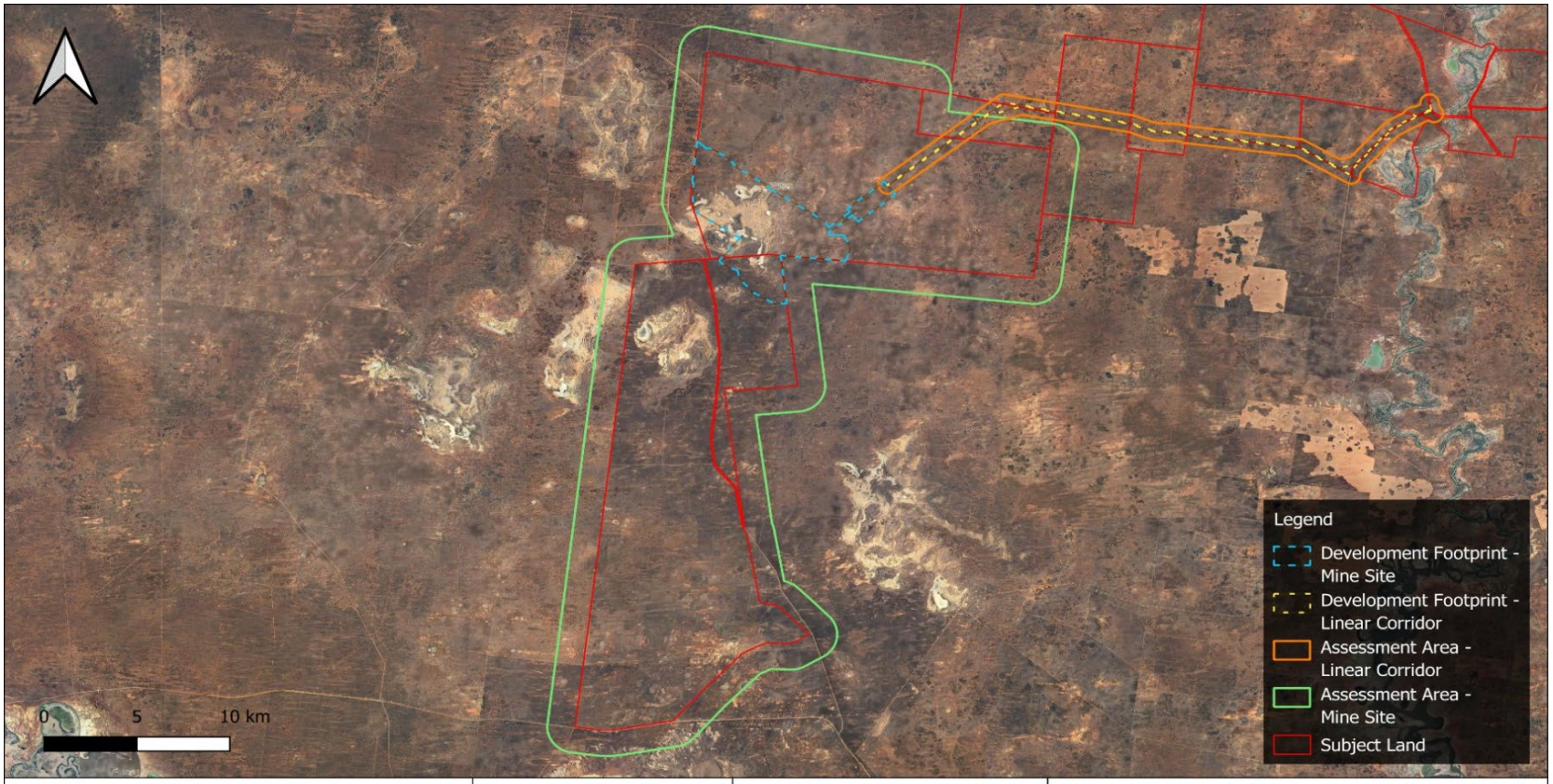


Figure 8: Development Footprint - Linear Corridor



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: BDAR Footprint and Assessment Area - Development Footprint - Mine Site	Biodiversity AUSTRALIA
	Drawn by: NE	Location: Warwick Station	
	Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872
			Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:280000

Figure 9: Development Footprint – Mine Site and Assessment Area



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: BDAR Footprint and Assessment Area - Development Footprint - Linear Corridor	Biodiversity AUSTRALIA	
	Drawn by: NE	Location: Warwick Station		
	Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
				Scale: 1:110000

Figure 10: Development Footprint– Linear Corridor and Assessment Area.

1.5 Desktop Assessment

The following databases and Geographic Information System (GIS) layers were searched/obtained:

- Department of Climate Change, Energy, the Environment and Water Protected Matters Search Tool (DCCEEW 2025a).
- Department of Climate Change, Energy, the Environment and Water MNES SPRAT Profiles (DCCEEW 2025b).
- Department of Climate Change, Energy, the Environment and Water - Interim Biogeographic Regionalisation for Australia (IBRA).
- NSW Department of Climate Change, Energy, the Environment and Water Threatened Biodiversity Data Collection (NSW DCCEEW 2025c).
- NSW Department of Climate Change, Energy, the Environment and Water - BioNet/Atlas of Wildlife (NSW DCCEEW 2025d).
- NSW Department of Climate Change, Energy, the Environment and Water - Regional Corridors and Key Habitat Mapping (NSW DCCEEW 2053e).
- NSW Department of Climate Change, Energy, the Environment and Water - Biodiversity Values Map and Threshold Tool and digital data layer (NSW DCCEEW 2025f).
- NSW Department of Climate Change, Energy, the Environment and Water – NSW State Vegetation Type Map (NSW DCCEEW, 2025g).
- NSW Department of Customer Service - NSW Water Theme - Hydro Line.
- NSW Government - Six maps - Clip and Ship, Mapped areas of Water - Department of Customer Services - Spatial Services Waterbody areas - Hydro Area/Hydro lines.

2. Site Context

2.1.1 IBRA Bioregions and Subregions

The Project is within the Murray Darling Depression IBRA Region and South Olary Plain IBRA Subregion (Figure 3).

2.1.2 Mitchell Landscapes

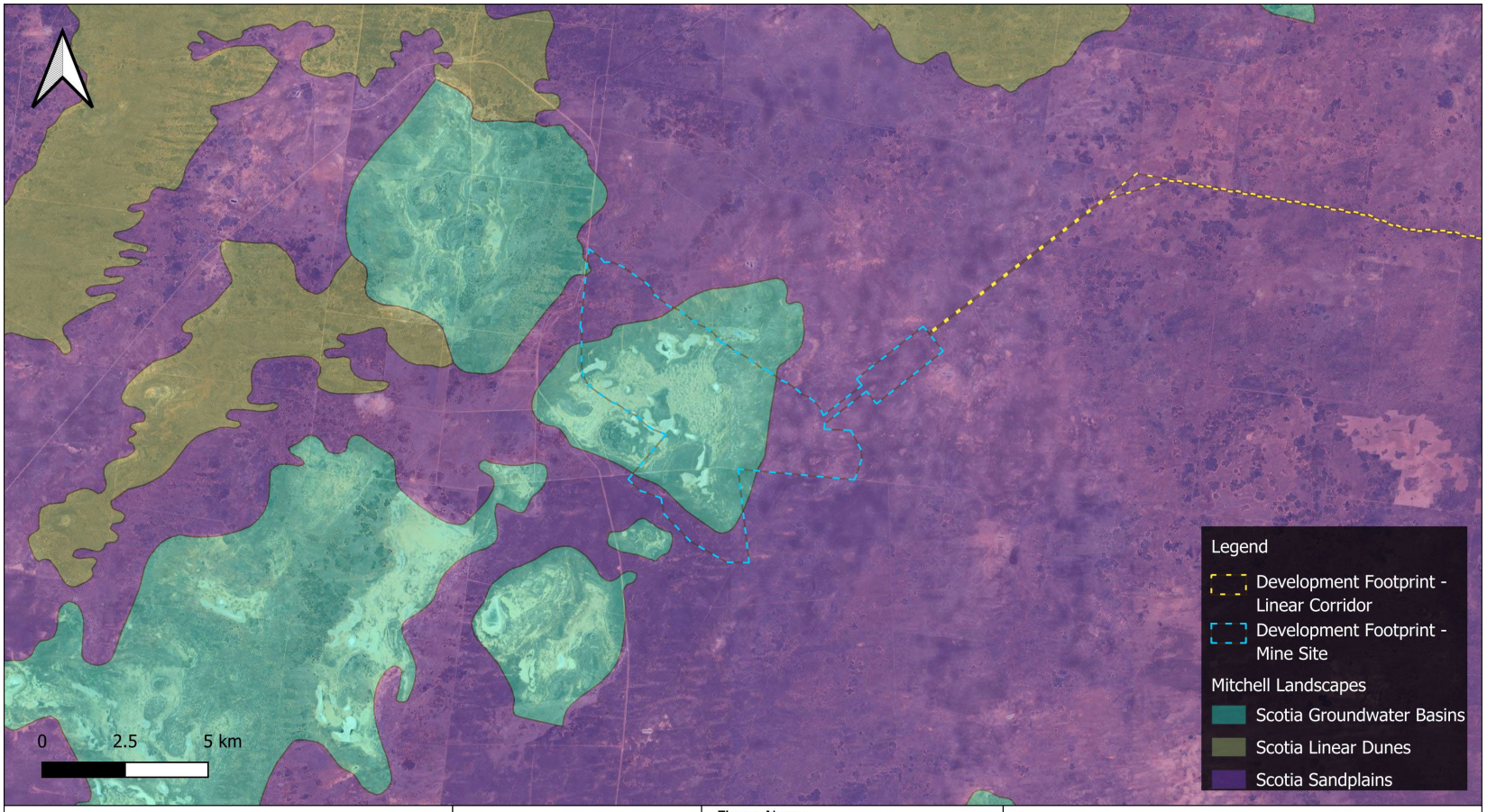
The Assessment Area is compounded by Scotia Linear Dunes, Scotia Groundwater Basins and Scotia Sandplains Mitchell Landscapes (Figure 11 and Figure 12). The Assessment Area within the Development Footprint – Mine Site was assigned to the Scotia Groundwater Basins Mitchell Landscape. The Assessment Area within the Development Footprint - Linear Corridor only intersects the Scotia Sandplains.

2.1.3 Native Vegetation Extent in 1500 m Buffer

The Assessment Area is depicted within Figure 9 and Figure 10. GIS analysis has determined that there is 99.7 % Native Vegetation cover within the Assessment Area (Figure 13) for both assessment areas.

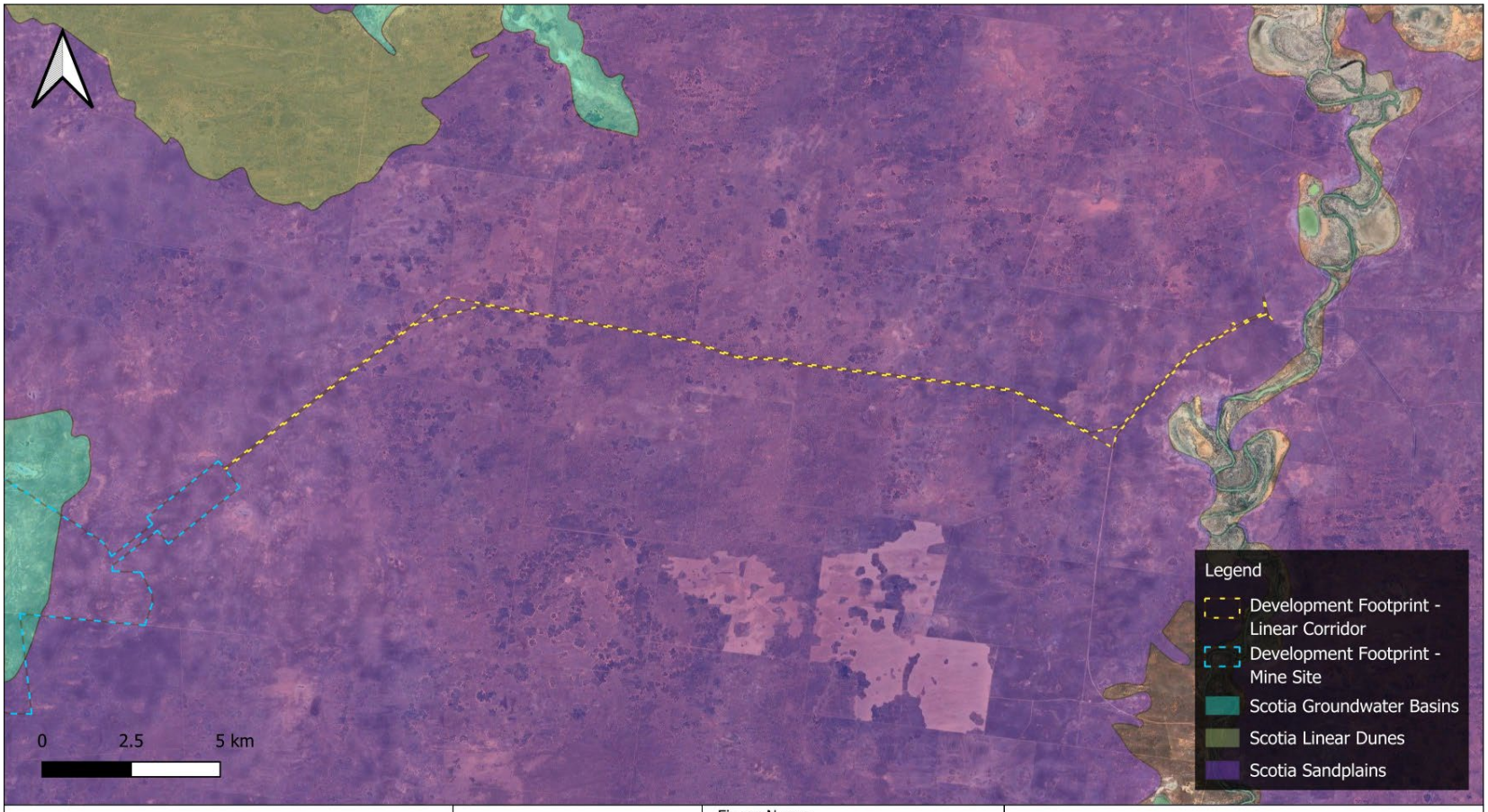
2.1.4 Cleared and Highly Disturbed Areas

Cleared or highly disturbed land occurs throughout the Assessment Area in the form of a network of vehicle tracks, concentrated areas of livestock traffic such as surrounding dams, troughs, fence lines, existing infrastructure such as homesteads, yards, and shearers quarters. Cleared land including vehicle roads and tracks cover approximately 30 ha of the Development Footprint - Mine Site and 28 ha of the Development Footprint - Linear Corridor.



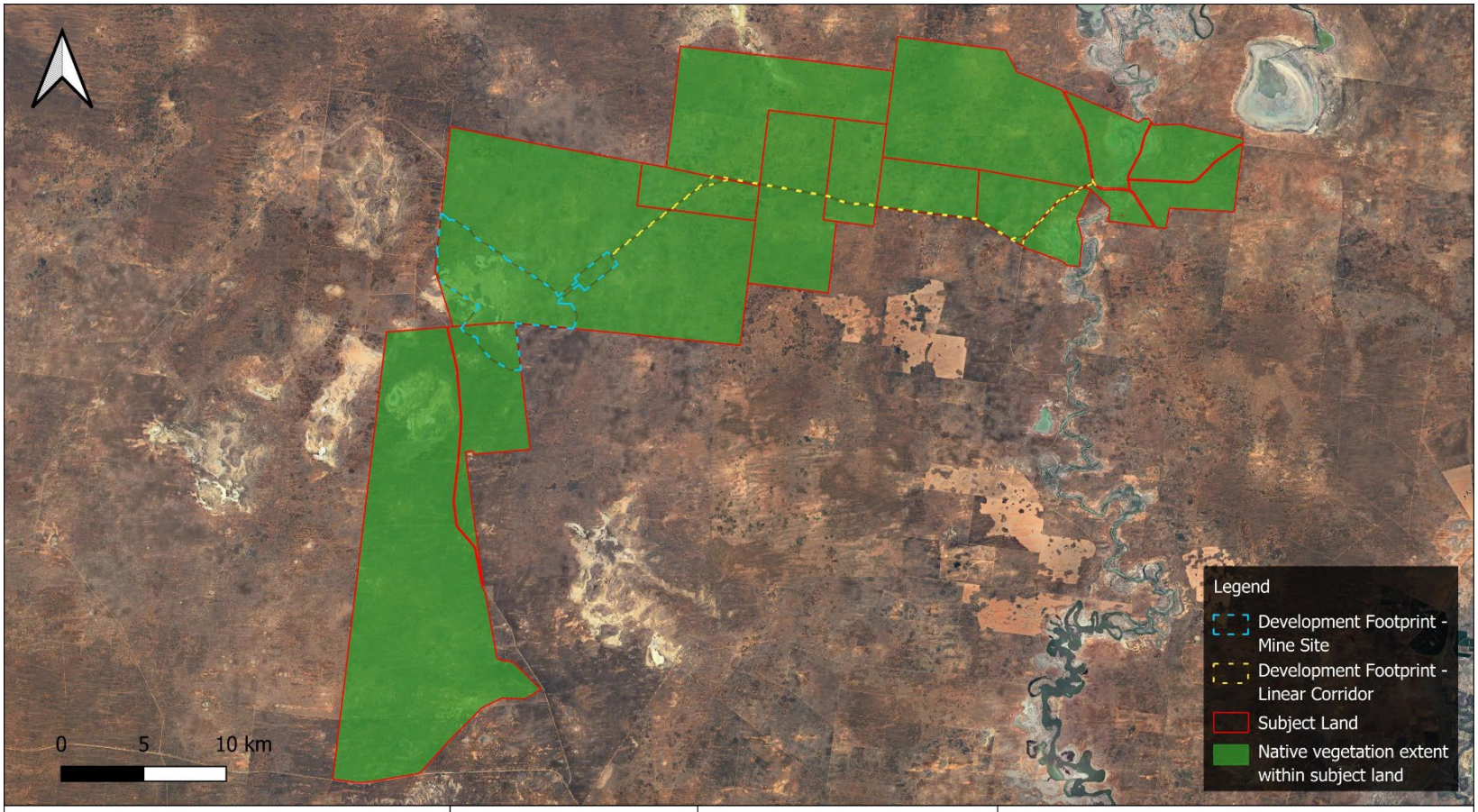
This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Location of Development Footprint - Mine Site and surrounding Mitchell Landscapes	Biodiversity AUSTRALIA	
	Drawn by: NE	Location: Warwick Station		
	Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
				Scale: 1:150000

Figure 11: Mitchell Landscapes - Development Footprint - Mine Site



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Location of Development Footprint - Linear Corridor and surrounding Mitchell Landscapes	Biodiversity AUSTRALIA
	Drawn by: NE	Location: Warwick Station	
	Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872
			Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:140000

Figure 12: Mitchell Landscapes - Development Footprint - Linear Corridor



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Native Vegetation Extent within the Subject Land	Biodiversity AUSTRALIA	
	Drawn by: NE	Location: Warwick Station		
	Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
				Scale: 1:300000

Figure 13: Native Vegetation extent within the Subject Land

2.1.5 Landscape Features

The catchment boundaries encompass the Lower Murray-Darling. The Lower Darling River flows from the Menindee Lakes to its junction with the River Murray at Wentworth. The river travels as a deep channel in the flat, dry floodplains of western NSW. Below the Menindee Lakes, the river has two large and distinct channels – its main channel, the lower Darling River, and its ancestral channel, the Great Darling Anabranch. A list of landscape features present is shown in Table 4.

The Great Darling Anabranch has a number of overflow lakes that can hold water for prolonged periods following a flood. It branches from the main channel of the river about 55 km south of Menindee and joins the River Murray downstream of Wentworth. Flows can also reach the Great Darling Anabranch from the lakes system through Tandou Creek and several other minor creeks.

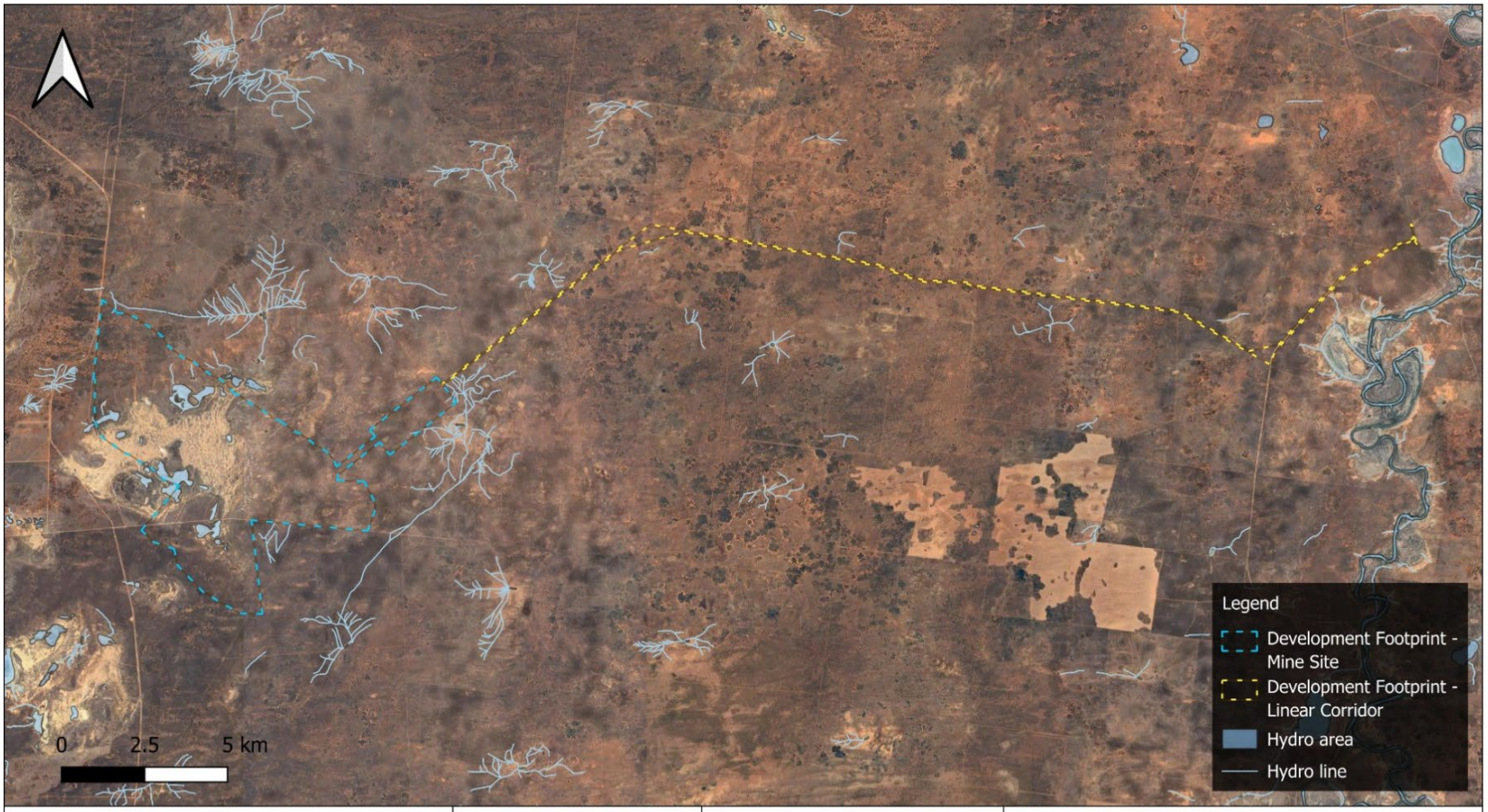
Within the Development Footprint – Mine Site, four salt pans (lakes) are present. These are mapped as 'wetlands' under the NSW Wetlands Layer. The salt pans are expressions of the groundwater and collect surface water runoff from time to time and given the extent of salt when dry, would be highly saline when containing water (Figure 14).

A report titled Preliminary Observation of Groundwater Dependent Ecosystems (GDE) conducted by Greenloaning Biostudies in October 2022, concluded the most salt tolerant species *Tecticornia* (formerly) (*Halosarcia) pergranulata* subsp. *pergranulata*, which is an indicator species for PCT 64, is not likely to be able to utilise groundwater with such extreme salinity levels of 61 g/l (10,167 mS/m) (DPI&RD WA 2022). In addition, groundwater within the Assessment Area is likewise too saline to support other, less salinity tolerant plant community types, such as GDEs. See Appendix A-10**.** for the detailed results of this study.

Table 4: Landscape features present

Feature	Present on site?	Present on adjoining land?	Description
Rivers and Streams	No	No	Murray River flows east to west and is 19 km South of the Subject Land. The Great Darling Anabranch flows north to south and is 26 km east of the Assessment Area (Development Footprint – Mine Site) and 45 m east of the Development Footprint – Linear Corridor.
Important Local Wetlands	No	No	Four salt pans (lakes) are present within the Subject Land mapped as 'wetlands' under the NSW Wetlands Layer. The salt pans are expressions of the ground water and collect surface water runoff from time to time and given the extent of salt when dry, would be highly saline when containing water. Lake Victoria is also a key water storage facility in the River Murray System managed by the Murray-Darling Basin Authority (MDBA) on behalf of the Commonwealth Government and the Governments of South Australia (SA), New South Wales (NSW) and Victoria (VIC) in accordance with the Murray-Darling Basin Agreement 2008 (Schedule 1 of the *Water Act 2007*). Lake Victoria plays a critical role in the conservation and management of water resources in the Murray-Darling Basin and provides significant socio-economic benefits to communities throughout the Murray Valley.
Connectivity Features	No	No	Tarawi Nature Reserve is 8 km north of the Subject Land.
Areas of Geological Significance (e.g.	Yes	Yes	One area of geological significance relating to biodiversity are the gypsum soils associated with lunette rises that are observed within the Development Footprint – Mine Site. These soils are preferentially

Feature	Present on site?	Present on adjoining land?	Description
karst, caves, crevices, cliffs)			favoured by gypsum obligate species such as *Austrostipa nullanulla* (Endangered). These gypsum soils correspond with PCT 253.
Soil Hazard Features	No	No	No specific soil hazards have been identified within the assessment area.



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Rivers and Wetlands – Development Footprint and Assessment Area	Biodiversity AUSTRALIA
	Drawn by: NE	Location: Warwick Station	
	Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872
			Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:150000

Figure 14: Rivers and Wetlands within the Development Footprint - Mine Site and Linear Corridor

2.1.6 Soil Landscape

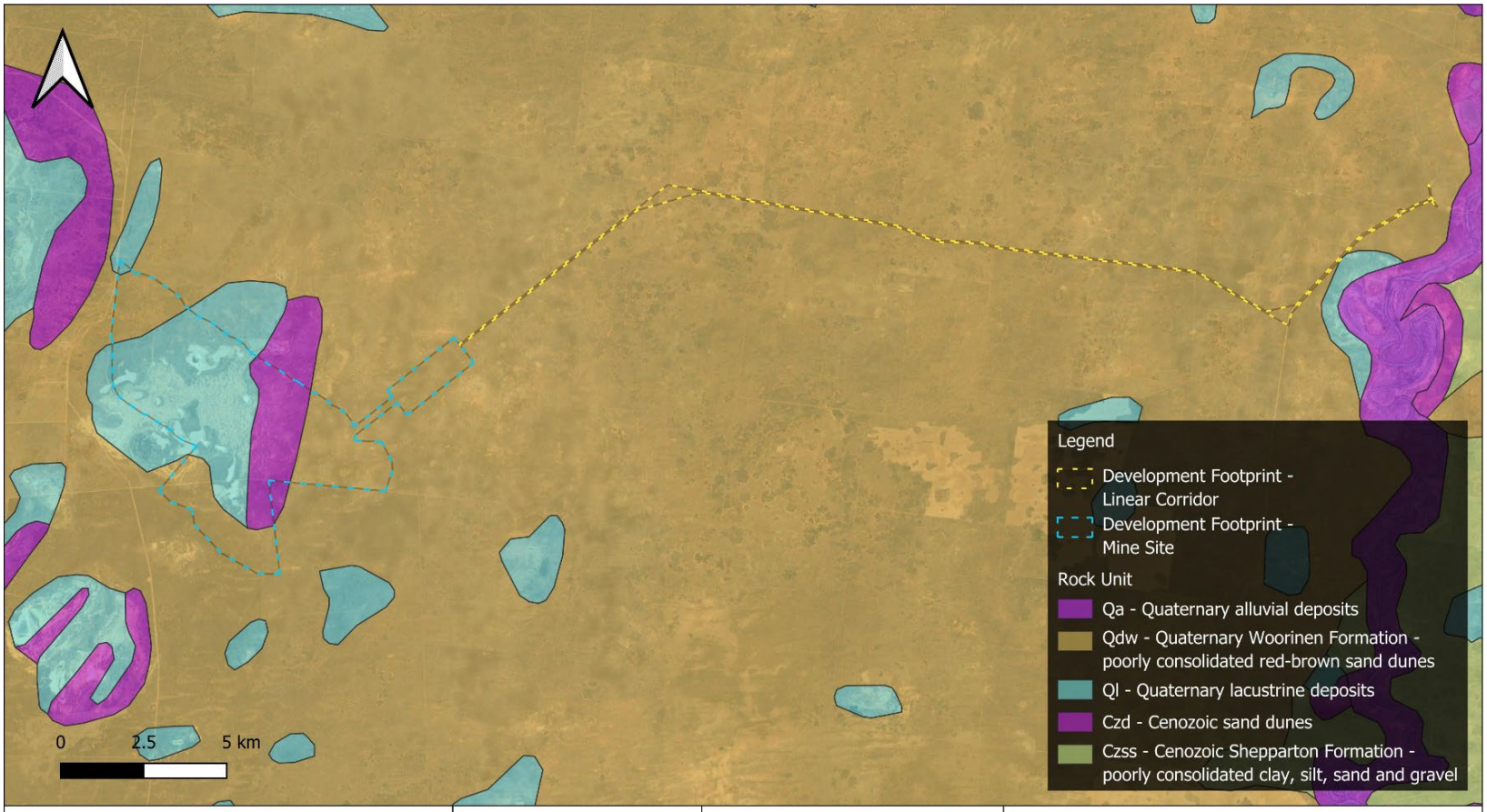
The soil composition within the Subject Land encompasses a mosaic of sand dunes and undulating sand plains of southwestern NSW (Mitchell, 2002). Sandy rises and interdune swales composed of calcareous earth (pH >7) of red to red-brown loam and contrast soils to grey clay soils often crusted with salt on the bed and fringes of salt lakes or salt clay pans in the arid and semi-arid (warm) and arid zones of far south-western NSW.

Some communities have lime-rich red-brown loam or duplex sand/clay soils sometimes derived from limestone on rises on the plains often containing different vegetation such as Belah or Box Woodlands where other areas have been heavily grazed and subject to high levels of erosion.

No specific soil hazards have been identified within the assessment area. However, some areas within the Development Footprint/s and surrounds are considered highly erodible (Figure 15, Figure 16 and Figure 17).

Soil landscapes mapped on the Subject Land include:

- Czd - Cenozoic sand dunes,
- Ql - Quaternary lacustrine deposits, &
- Qdw - Quaternary Woorinen Formation - poorly consolidated red-brown sand dunes.



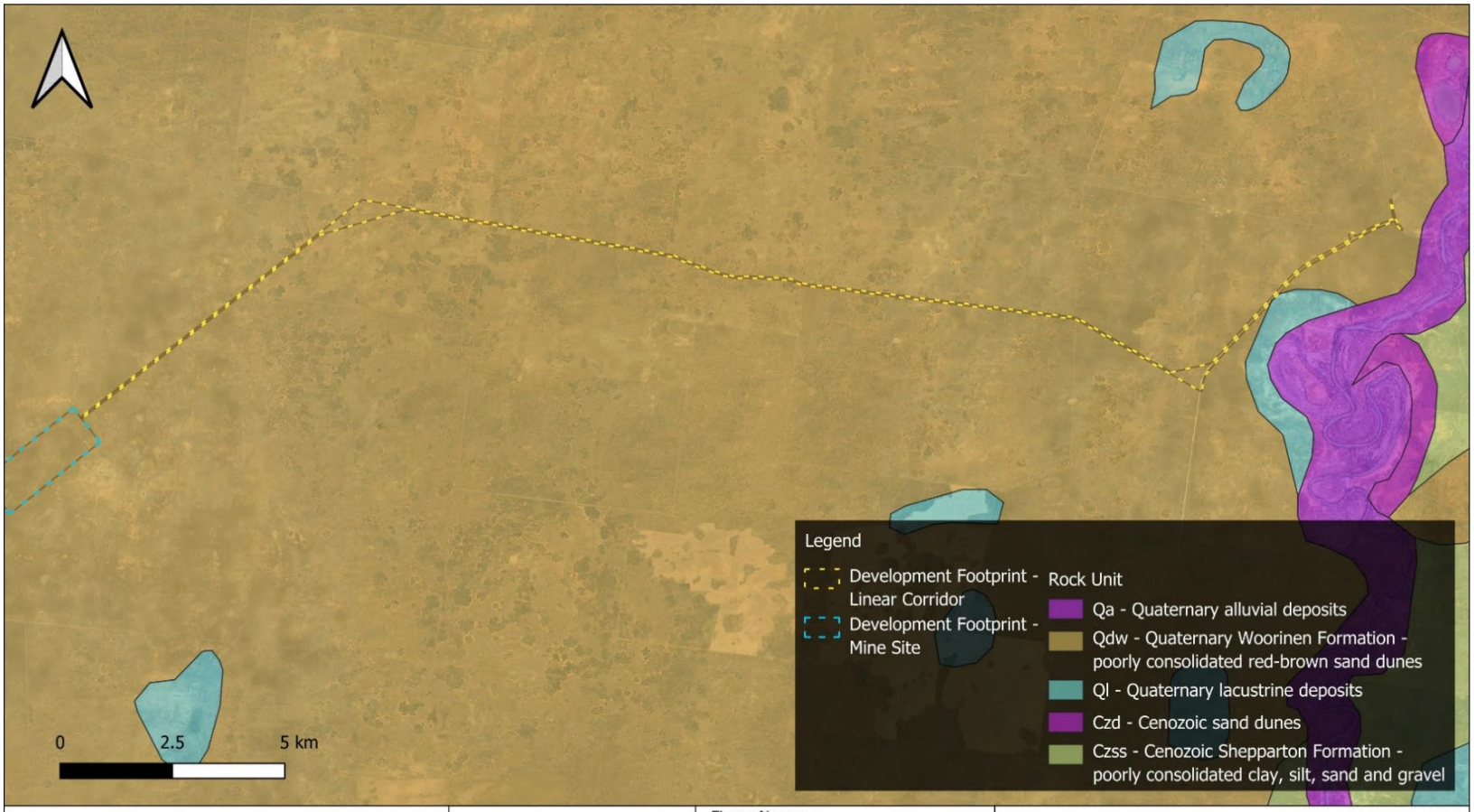
This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Geology - Assessment Area - Development Footprint	Biodiversity AUSTRALIA
	Drawn by: NE	Location: Warwick Station	
	Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872
			Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:150000

Figure 15: Geology within the Development Footprint - Mine Site and Linear Corridor



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Geology - Assessment Area - Development Footprint - Mine Site	Biodiversity AUSTRALIA
	Drawn by: NE	Location: Warwick Station	
	Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872
			Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:70000

Figure 16: Geology within the Development Footprint - Mine Site Area



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.

Project Manager: NC	Figure Name: Geology - Assessment Area - Development Footprint - Linear Corridor	Biodiversity AUSTRALIA	
Drawn by: NE	Location: Warwick Station		
Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:110000

Figure 17: Geology within the Development Footprint - - Linear Corridor

2.1.7 Areas of Outstanding Biodiversity Value (AOBV)

Clause 3.1(1)(b) of the BC Act identifies the four possible pathways by which an area must make a significant contribution to persistence of biodiversity in NSW to be eligible as an AOBV. These four pathways (and the section dealing with each) are:

(i) *Multiple species or at least one threatened species or ecological community,*

(ii) *Irreplaceable biological distinctiveness,*

(iii) *Ecological processes or ecological integrity, and*

(iv) *Outstanding ecological value for education or scientific research.*

Biodiversity Values within the Subject Land do not meet the eligibility criteria for Areas of Outstanding Biodiversity Value (AOBV) as identified in the BC Act.

2.1.8 Biodiversity Values Map

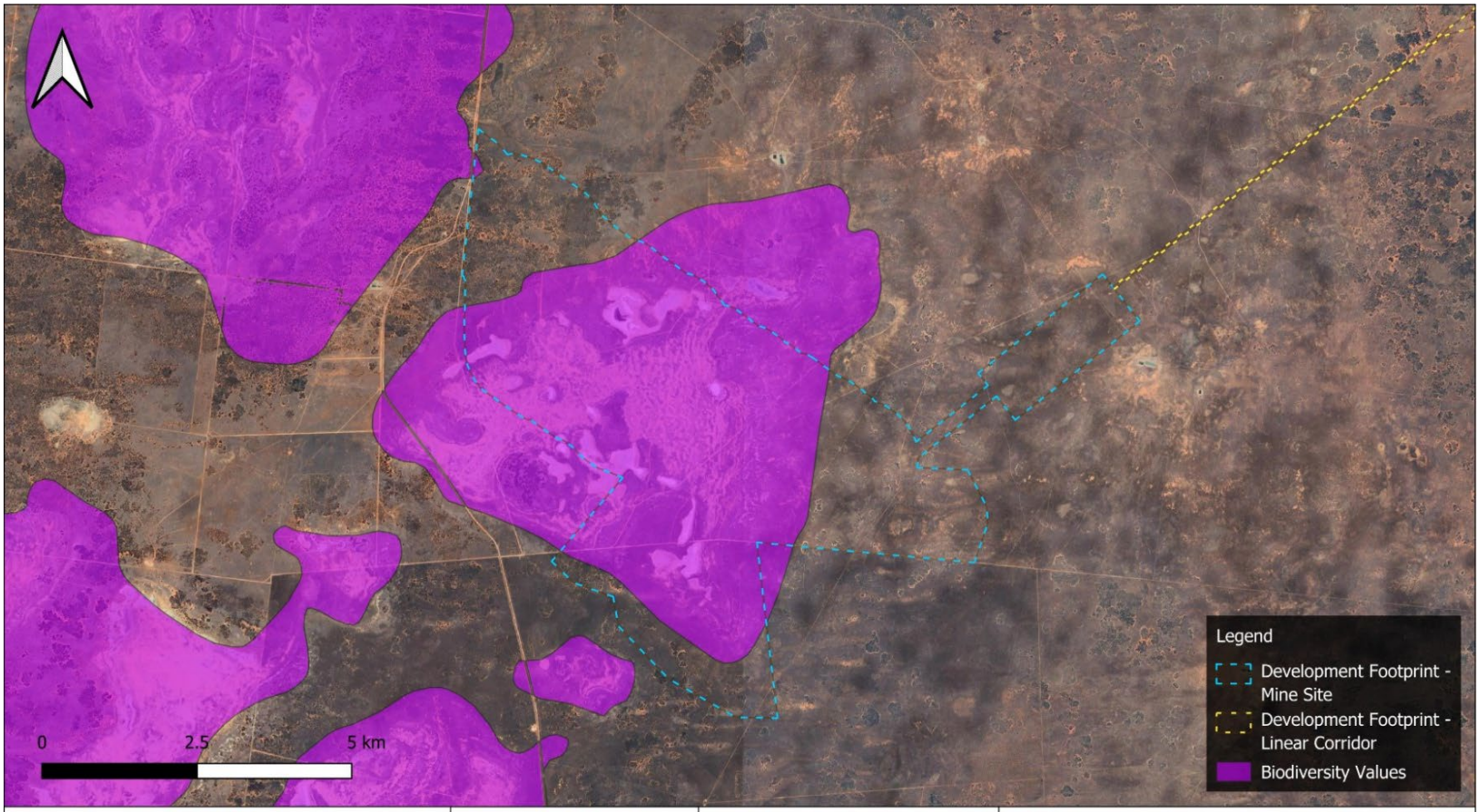
Areas of Biodiversity Values are mapped within the Subject Land. These areas correspond to areas mapped as wetlands within the Subject Land (Figure 18 and Figure 19).

2.1.9 Important Habitat Map

The Important Habitat Map was viewed to determine if areas of Important habitat for threatened species were present within the Assessment Area. This tool indicated no areas of important habitat are mapped within the Subject Land (Figure 20).

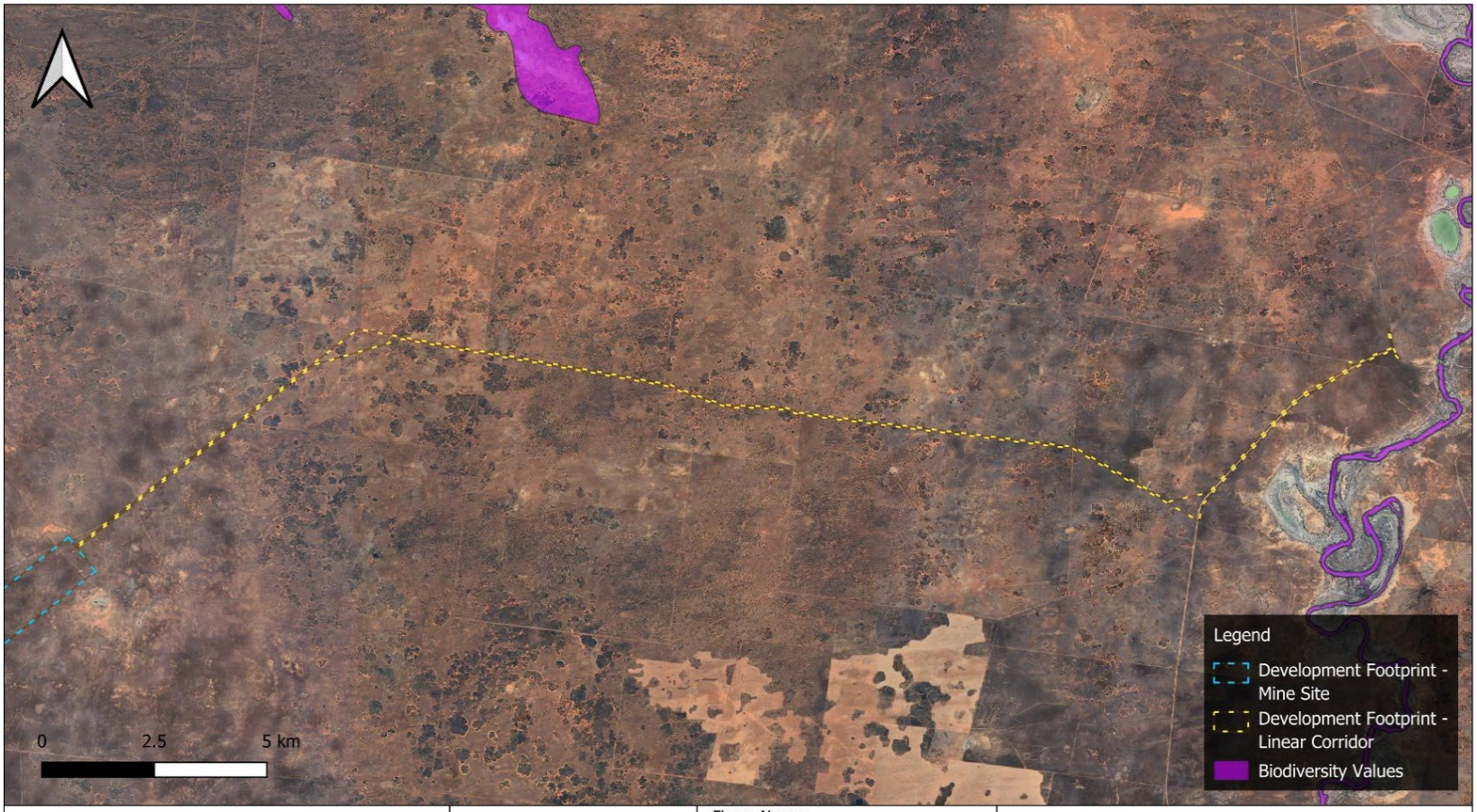
2.1.10 Groundwater Dependent Ecosystems

Varying levels of potential for Groundwater Dependent Ecosystems (GDE) occur within the Development Footprint and Assessment Area as portrayed in the Spatial Layer of Probable Vegetation GDEs in NSW dataset provided in SEED by (water.dpie.nsw.gov.au.). Figure 21 through Figure 26 show areas of high, moderate and low potential for occurrences of GDEs within the Development Footprint. GDEs are discussed further in Sections 5.3.13, 5.4.4 and Appendix A-10.



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Biodiversity Values map of Development Footprint – Mine Site	Biodiversity AUSTRALIA
	Drawn by: NE	Location: Warwick Station	
	Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872
			Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:80000

Figure 18: Biodiversity Values map of Development Footprint – Mine Site



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Biodiversity Values map of Development Footprint – Linear Corridor	Biodiversity AUSTRALIA
	Drawn by: NE	Location: Warwick Station	
	Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872
			Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:110000

Figure 19: Biodiversity Values map – Development Footprint – Linear Corridor

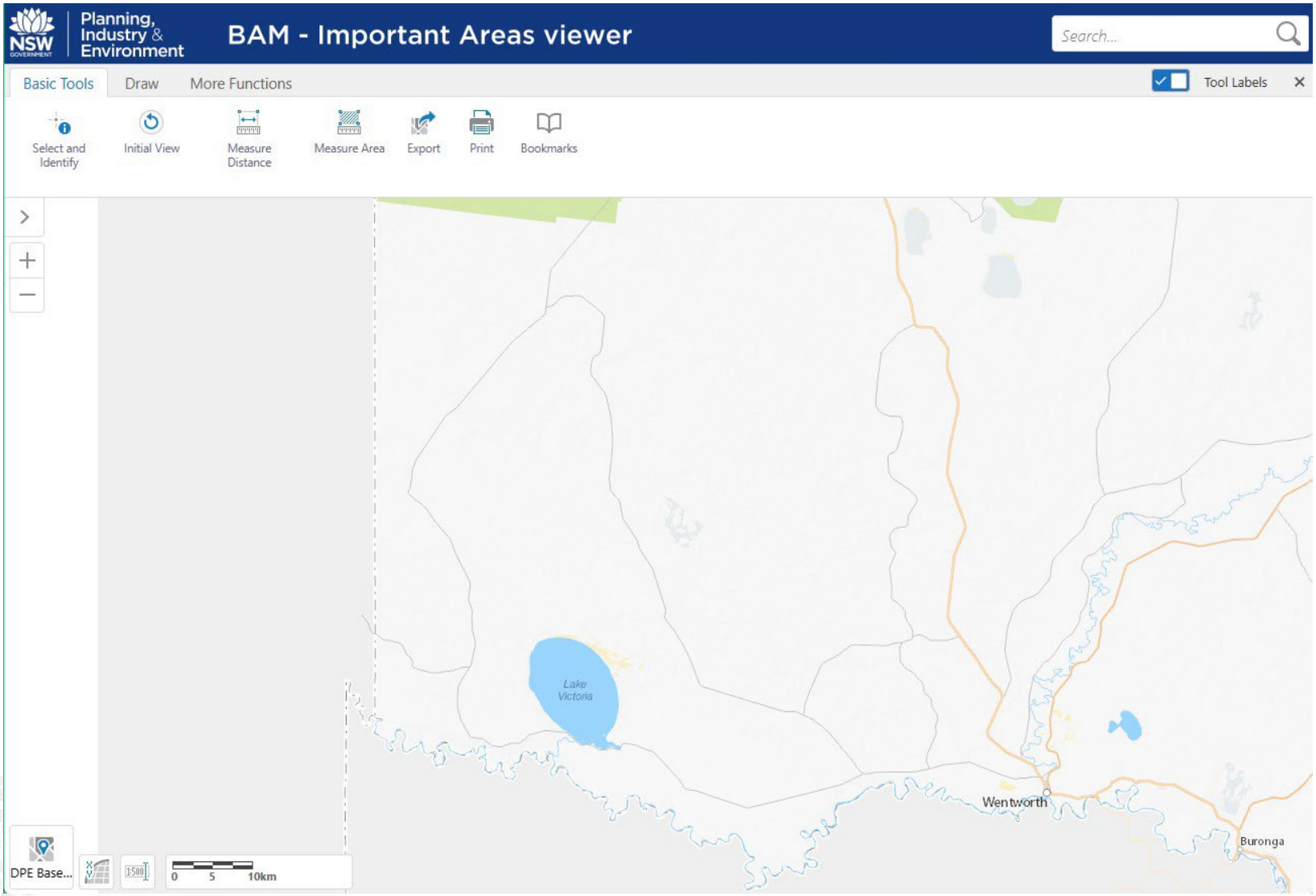
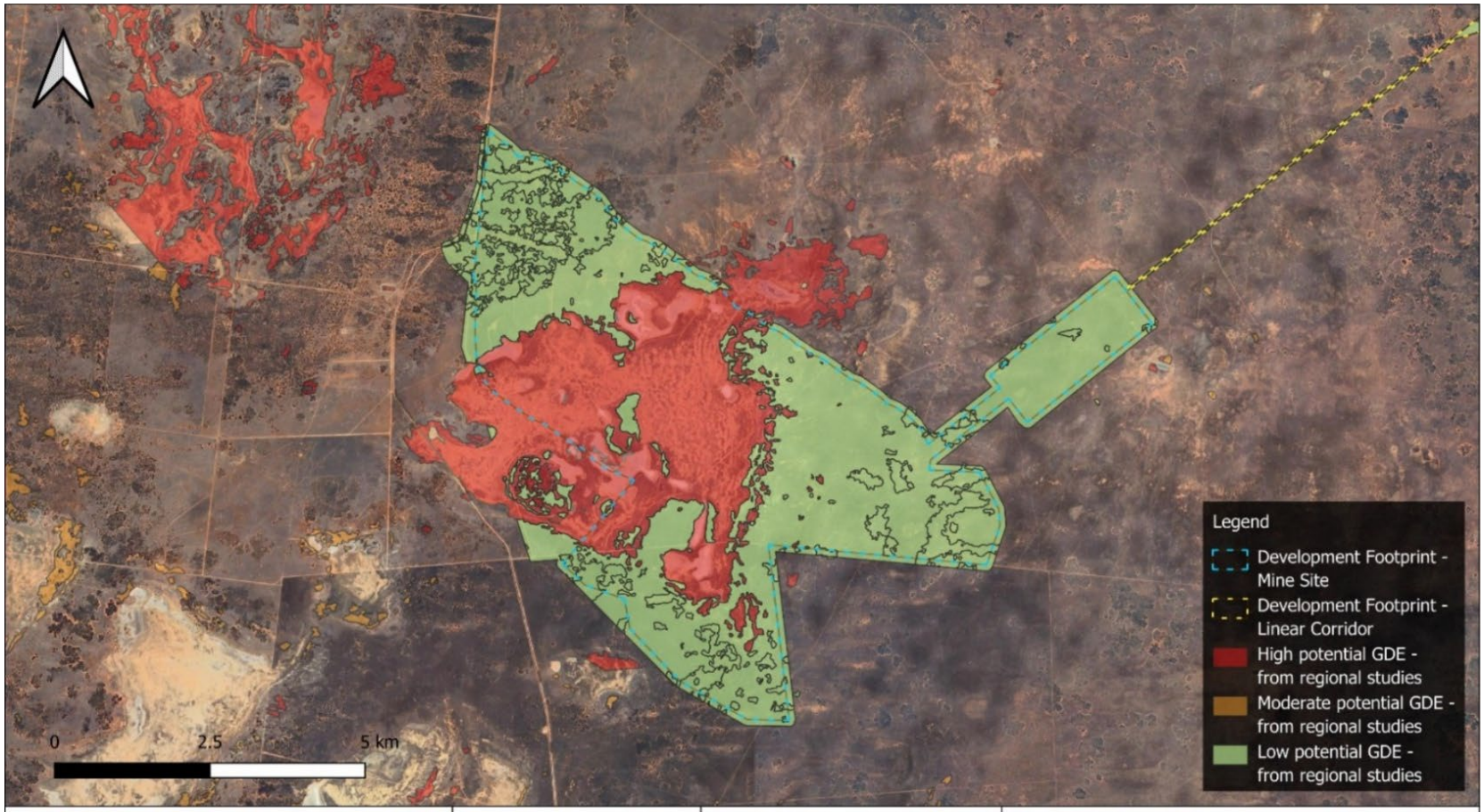
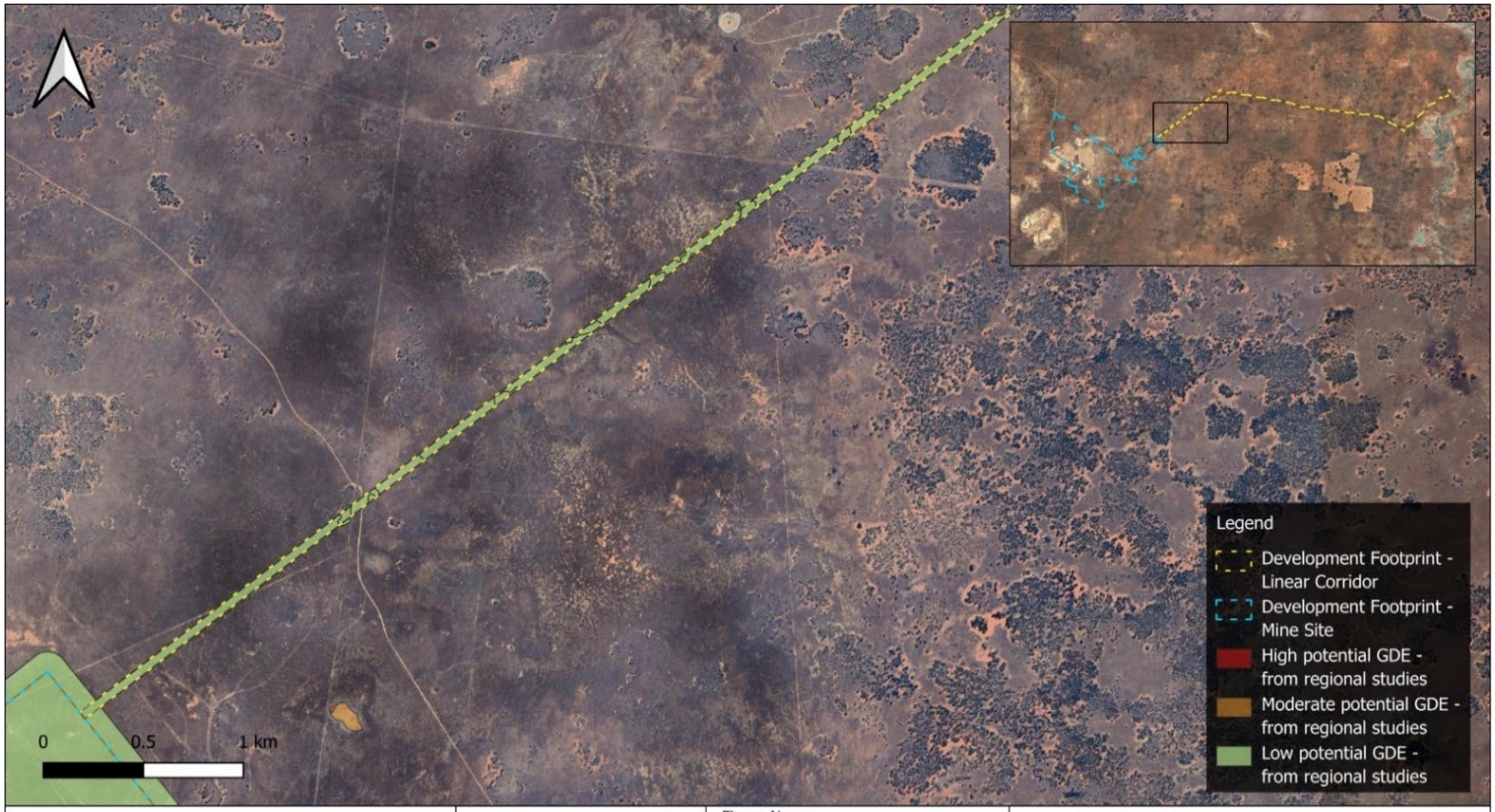


Figure 20: Important Areas Map showing absence of any important areas



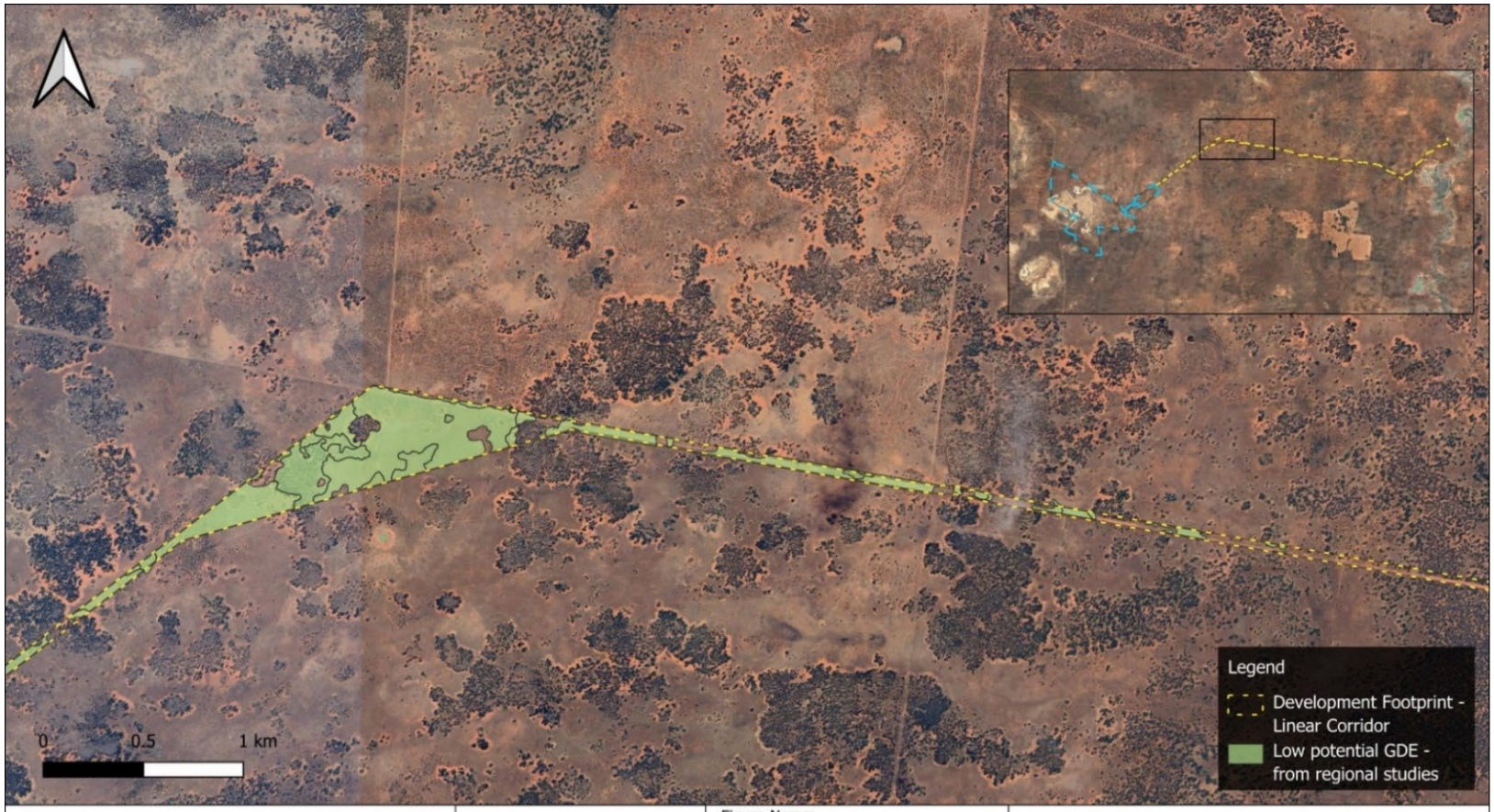
This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Groundwater Dependent Ecosystems - Development Footprint - Mine Site	Biodiversity AUSTRALIA	
	Drawn by: NE	Location: Warwick Station		
	Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
				Scale: 1:80000

Figure 21: Groundwater Dependent Ecosystem – Development Footprint – Mine Site



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Groundwater Dependent Ecosystems - Development Footprint - Linear Corridor 1/5	Biodiversity AUSTRALIA
	Drawn by: NE	Location: Warwick Station	
	Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872
			Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:25000

Figure 22: Groundwater Dependent Ecosystem - Development Footprint – Linear Corridor 1 / 5



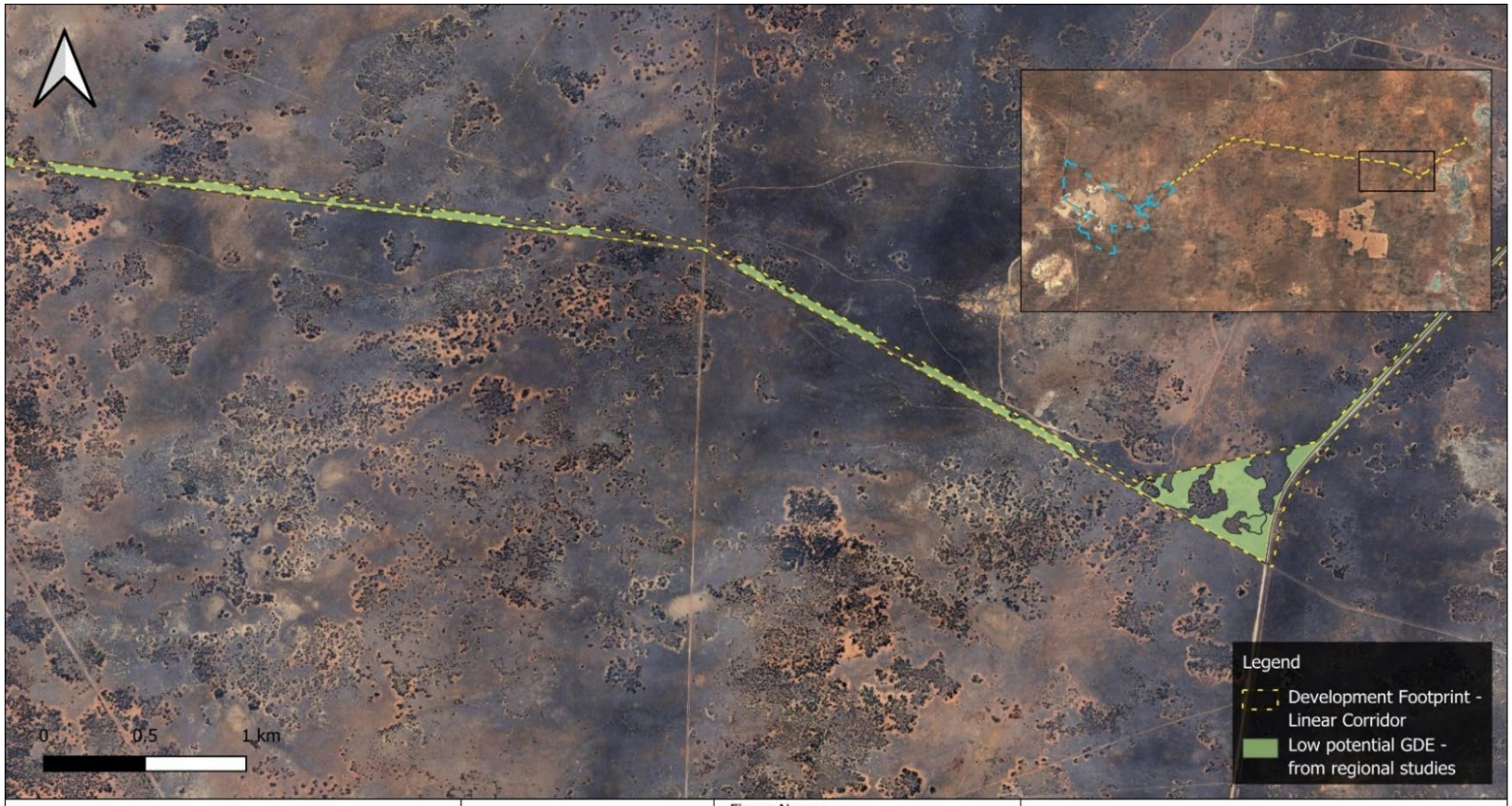
This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Groundwater Dependent Ecosystems - Development Footprint - Linear Corridor 2/5	Biodiversity AUSTRALIA	
	Drawn by: NE	Location: Warwick Station		
	Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54 Scale: 1:25000

Figure 23: Groundwater Dependent Ecosystem – Development Footprint – Linear Corridor 2 / 5



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Groundwater Dependent Ecosystems - Development Footprint - Linear Corridor 3/5	Biodiversity AUSTRALIA	
	Drawn by: NE	Location: Warwick Station		
	Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
				Scale: 1:25000

Figure 24: Groundwater Dependent Ecosystem – Development Footprint – Linear Corridor 3 / 5



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.

Project Manager: NC	Figure Name: Groundwater Dependent Ecosystems - Development Footprint - Linear Corridor 4/5	Biodiversity AUSTRALIA	
Drawn by: NE	Location: Warwick Station		
Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:25000

Figure 25: Groundwater Dependent Ecosystem– Development Footprint – Linear Corridor 4 / 5



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.

Project Manager: NC	Figure Name: Groundwater Dependent Ecosystems - Development Footprint - Linear Corridor 5/5	Biodiversity AUSTRALIA	
Drawn by: NE	Location: Warwick Station		
Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54 Scale: 1:25000

Figure 26: Groundwater Dependent Ecosystem –Development Footprint – Linear Corridor 5 / 5

3. Native Vegetation

Vegetation surveys were undertaken from 2020-2024 by Accredited Persons employed by EnviroKey and from November 2024 to November 2025 by Bio Aus Accredited Persons Nigel Cotsell, John Foster and Alison Martin (CVs – Appendix A-12).

3.1.1 Vegetation Integrity Survey

Vegetation Integrity Plots were undertaken within the Development Footprint. Each consisting of a 20 x 20 m plot in which floristic composition and structural attributes were collected, and a 20 m x 50 m plot which collects ecosystem function attributes.

The vegetation within the Subject Land has been disturbed over many years and as such the structure of the Vegetation Zones (VZ) varies substantially. The establishment of multiple VZs is the method adopted to categorise the differences in the structure of Vegetation Integrity (VI). In most VZs, more than the required number of plots were conducted to ensure that variations within VZs were accounted for.

The Subject Land occurs in a mosaic of the PCTs mapped by the NSW State Vegetation Type Mapping available on NSW SEED (Figure 28, through Figure 34) and consists of historically disturbed habitat. For this reason, plots were located to ensure they captured the attributes relevant to the Vegetation Zone as per Section 4.3.4 (3)(c) of the BAM 2020. Section 4.3.4 (5) was also fully considered and adopted in this process. In some circumstances, this meant that plot locations fell within 50 m of ecotones.

The following information was collected within each vegetation plot:

- Observer, location and date,
- Plot dimensions and orientation,
- Photographic record of vegetation,
- Vegetation Class and Plant Community Type (PCT),
- Physical features and disturbance history,
- Full flora list,
- Growth-form cover and abundance of each species,
- Exotic and High Threat Exotic (HTE) plant cover,
- Number of large trees,
- Recruitment,
- Presence of hollow-bearing trees,
- Length of logs, &
- Litter cover.

The field data collected was tallied and input into the BAM calculator to determine a VI score for each vegetation zone. A list of all flora species is located in Appendix A-2 Table 74. Field datasheets are located in Appendix A-9.

3.1.2 Vegetation Integrity Assessment - Application of Modified Vegetation Condition Benchmarks

The landscape across the Development Footprint is known to experience frequent droughts, therefore an assessment of rainfall during the time period of VI score collection was undertaken to determine whether it is appropriate to apply modified benchmarks to the data.

It is recommended that an assessor considers the use of modified benchmarks, in accordance with BAM Subsection 1.4.2, when:

- Extreme climatic variation is adversely affecting the composition and structure of growth form groups important to a PCT,

- Finer-scale benchmarks are available for the relevant PCT from a published peer-reviewed source,
- The vegetation class by the IBRA bioregion benchmark is demonstrated to be unsuitable for the PCT (due to the broad scale of the benchmark classification), &
- The available BAM-C benchmark data has a low confidence rating.

After analysing weather data, it was decided that the application of benchmarks was not required.

Weather Station (No. 47016) located closest to the Development Footprint is approximately 43 km away at Lake Victoria Storage (Figure 27), at an elevation of 26 m (Lat: 34.04° S and Long: 141.27° E). In 2019, Station 47016 recorded annual rainfall of just 82.3 mm. This is the driest year; lowest rainfall recorded and falls below the dry condition benchmark for all PCTs located within the Development Footprint. The range of dry condition benchmarks for all thirteen (13) PCTs is 173-207 mm. The mean annual rainfall (since records began at the Station in 1922), is 256.72 mm. The oldest VI plot data, recorded by EnviroKey, used in this report date back to the end of June 2020. The rainfall recorded in the year prior to the oldest VI plot, is 82.3 mm. Table 5 shows the annual rainfall recorded since 2019 is above the dry benchmark threshold. Therefore, the annual rainfall recorded for the years in which this report focuses is considered to be average and above the dry benchmark threshold. In conclusion, the data from 2021-2025 is valid, does not require modification and there is no need to consider local benchmarks further.

Table 5: Average annual rainfall at station 47016

Year	Average Rainfall (mm)
2013	203.5
2014	258.4
2015	198.2
2016	331.0
2017	236.6
2018	161.7
2019	82.3
2020	276.9
2021	186.2
2022	371
2023	191.3
2024	274.3



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	Drawn by: NE	Location: Warwick Station	
	Date: November 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872
			Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:400000

Figure 27: Location of nearest weather station – Lake Victoria Storage Station No. 470

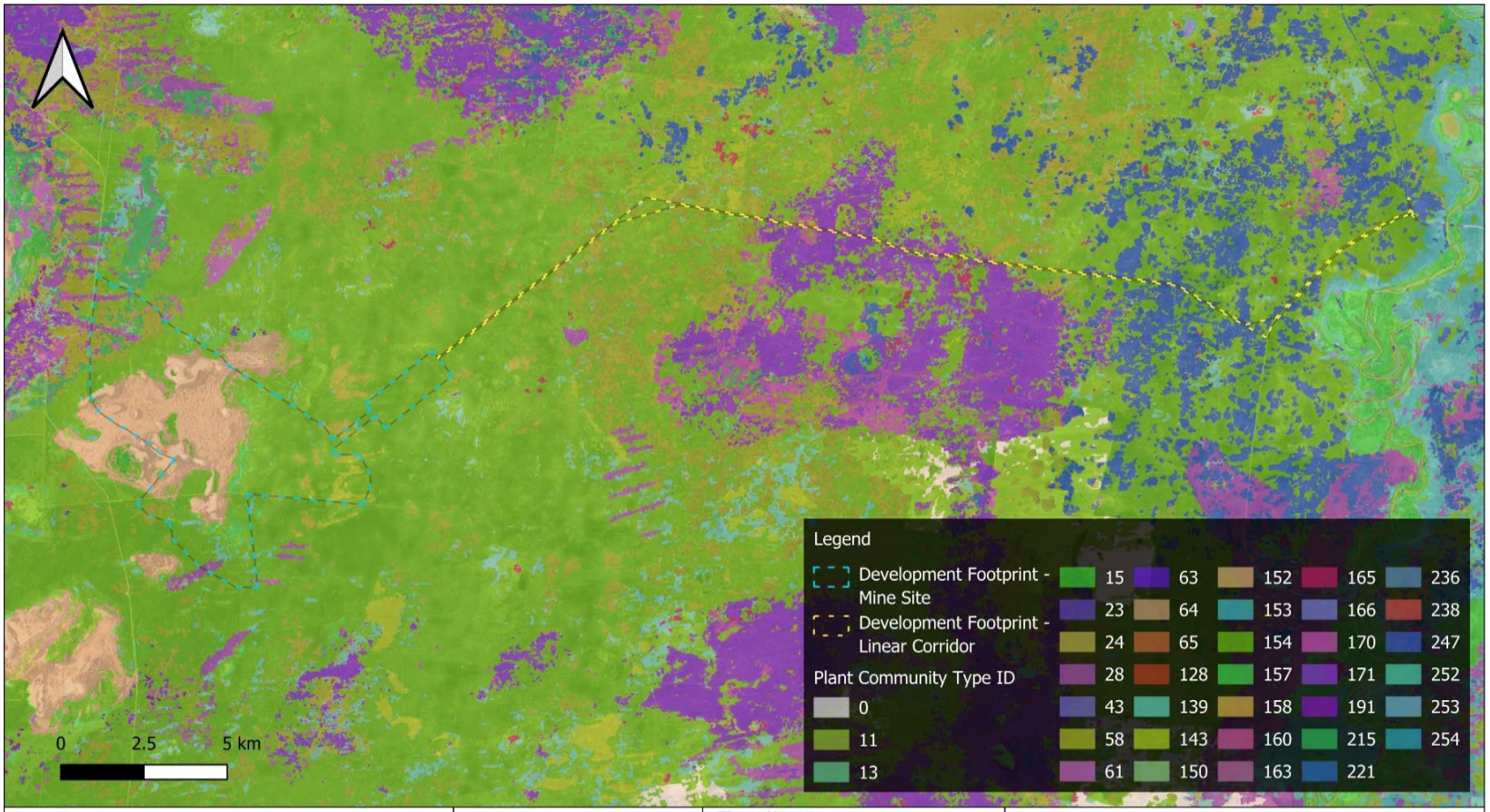
3.1.3 Vegetation Classification and Mapping

The vegetation classification is based on the NSW PCT Classification. Prior to undertaking field verification of the vegetation present within the Development Footprint, a desktop assessment was carried out reviewing the NSW State Vegetation Type Mapping available on NSW SEED (Figure 28). The following PCTs are mapped as occurring on the Subject Land:

- PCT 15 - Black Box open woodland wetland with chenopod understorey mainly on the outer floodplains in south-western NSW (mainly Riverina Bioregion and Murray Darling Depression Bioregion).
- PCT 24 - Canegrass swamp tall grassland wetland of drainage depressions, lakes and pans of the inland plains.
- PCT 28 - White Cypress Pine open woodland of sand plains, prior streams, and dunes mainly of the semi-arid (warm) climate zone.
- PCT 58 - Black Oak – Western Rosewood open woodland on deep sandy loams mainly in the Murray Darling Depression Bioregion.
- PCT 61 - Mitchell Grass - saltbush grassland/shrubland of the gibber downs of the arid climate zone.
- PCT 64 - Samphire - Water Weed - Sea-Heath shrubland saline wetland of depressions of the arid and semi-arid (warm) zones.
- PCT 65 - *Halosarcia lylei* low, open shrubland saline wetland of arid and semi-arid regions.
- PCT 139 - Prickly Wattle tall open shrubland of dunes and sandplains of semi-arid and arid regions.
- PCT 143 - Narrow-leaved Hopbush - Scrub Turpentine - Senna shrubland on semi-arid and arid sandplains and dunes.
- PCT 150 - Bottlewasher - Copperburr grassland of the arid zone.
- PCT 152 - Lunette chenopod shrubland mainly of the Murray Darling Depression Bioregion.
- PCT 154 - Pearl Bluebush low open shrubland of the arid and semi-arid plains.
- PCT 157 - Bladder Saltbush shrubland on alluvial plains in the semi-arid (warm) zone including Riverina Bioregion.
- PCT170 - Chenopod sandplain mallee woodland/shrubland of the arid and semi-arid (warm) zones.
- PCT 171 - Spinifex linear dune mallee mainly of the Murray Darling Depression Bioregion.
- PCT 191 - Snap and Rattle Mallee - Moonah open mallee shrubland in the Murray Darling Depression Bioregion.
- PCT 215 - Woollybutt Grass open grassland on red earths of the inland plains.
- PCT 221 - Black Oak - Pearl Bluebush open woodland of the sandplains of the semi-arid warm and arid climate zones.
- PCT 253 - Gypseous shrubland on rises in the semi-arid and arid plains. &
- PCT 254 - Black Oak - Bladder Saltbush on light clays in the arid zone.

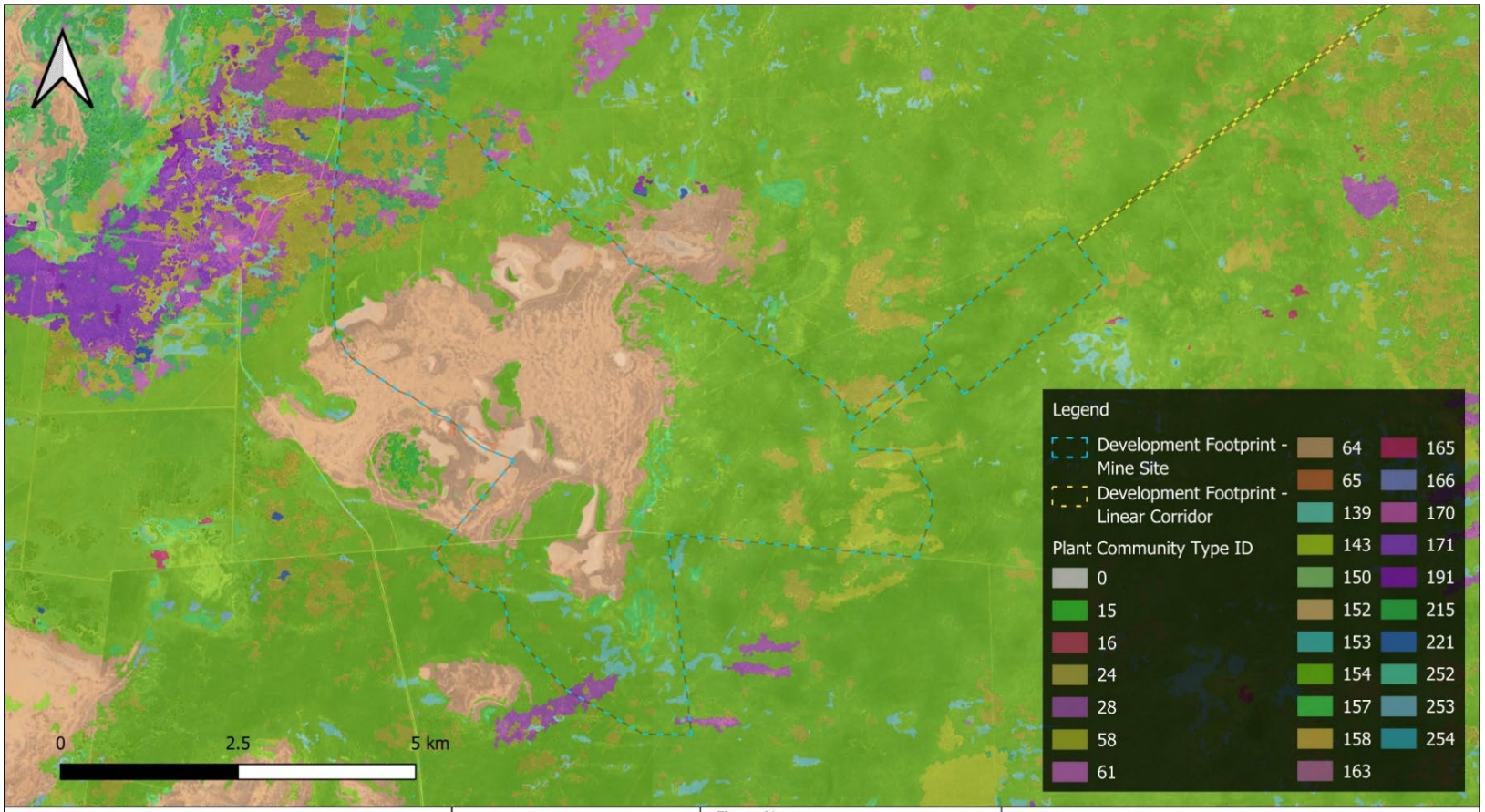
Vegetation communities and Vegetation Zones were sampled using Plots as described above and structured using the grid-based coverage of the Development Footprint. This provided 100% coverage and can be viewed within Figure 35, Figure 45, Figure 47, Figure 48, Figure 49 and Figure 50. In addition to Plots, and large area grid-based transects, random meander surveys were also conducted to add a more comprehensive flora inventory of the Development Footprint (Figure 51).

The vegetation communities were described from data collected from the VI plots and grid-based coverage. Plant species were identified to the most specific level possible using current nomenclature recognised by the Royal Botanic Gardens and in line with PlantNET descriptions.



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: NSW State Vegetation Type Mapping - Plant Community Type - Development Footprint	Biodiversity AUSTRALIA
	Drawn by: NE	Location: Warwick Station	
	Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872
			Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:150000

Figure 28: NSW State Vegetation Type Mapping – Development Footprint



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.

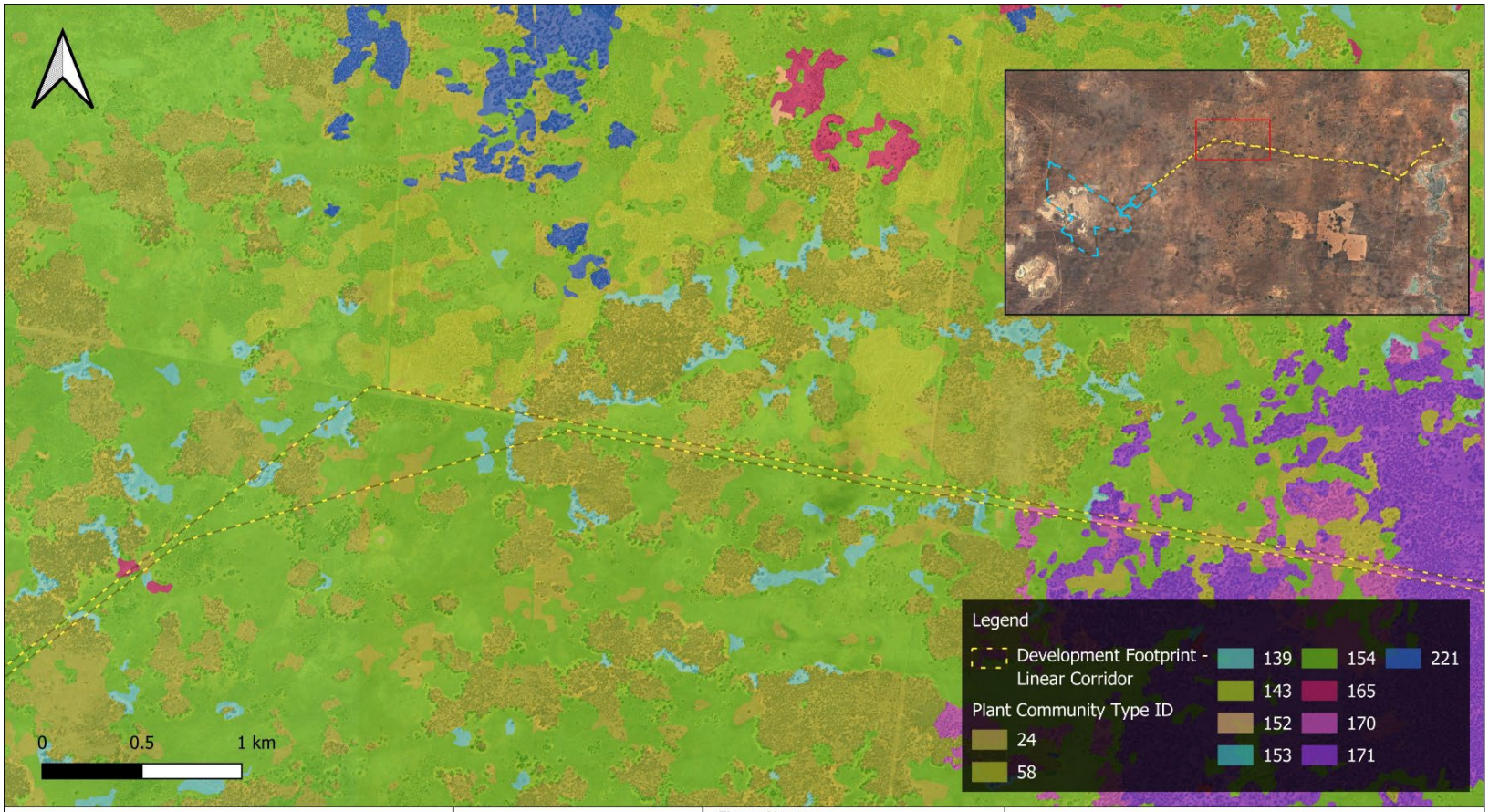
Project Manager: NC	Figure Name: NSW State Vegetation Type Mapping - Plant Community Type - Development Footprint - Mine Site
Drawn by: NE	Location: Warwick Station
Date: April 2025	Client: R.W. Corkery & Co.
Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
	Scale: 1:70000

Figure 29: NSW State Vegetation Type Mapping – Development Footprint - Mine Site



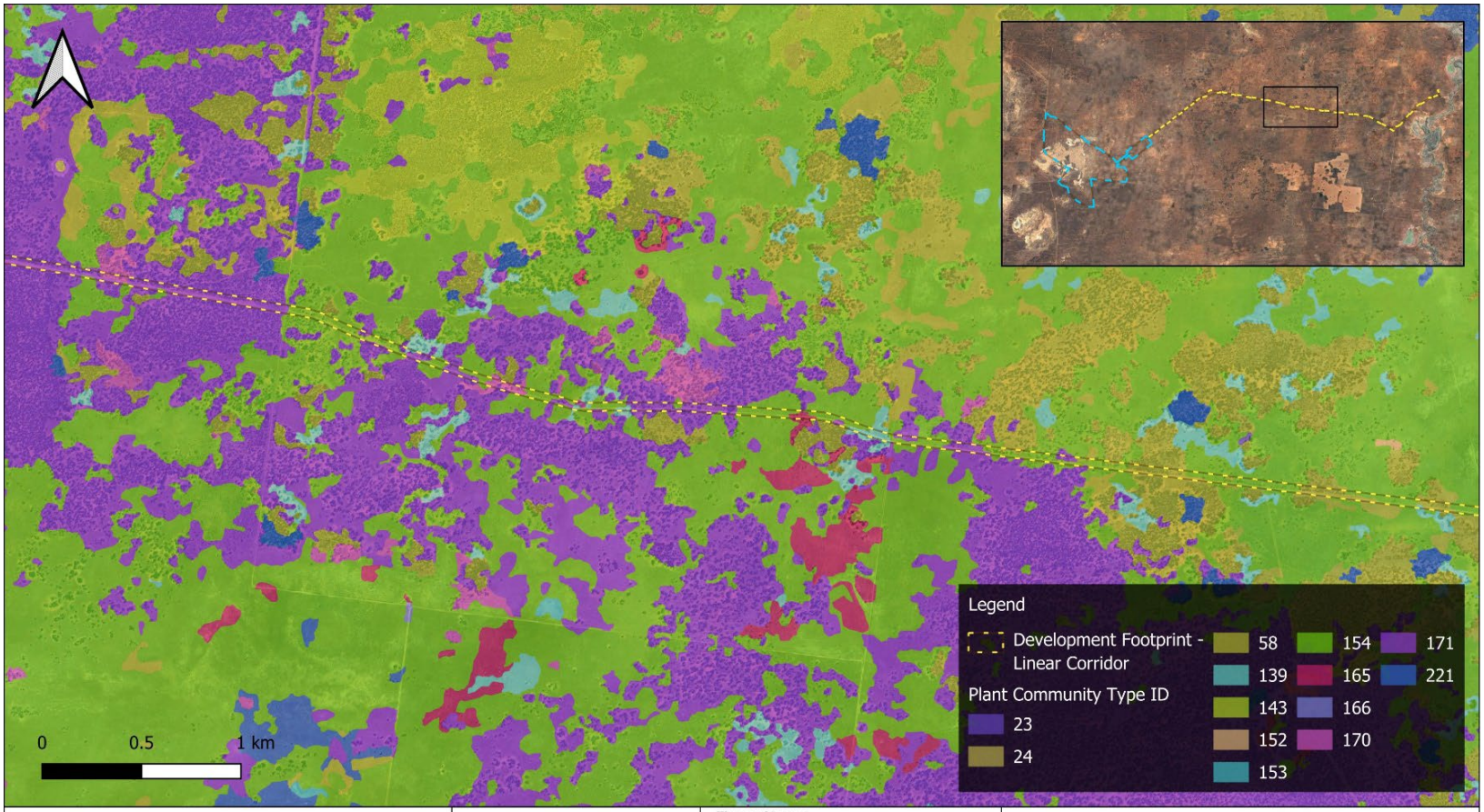
This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: NSW State Vegetation Type Mapping - PCT - Development Footprint - Linear Corridor 1/5	Biodiversity AUSTRALIA	
	Drawn by: NE	Location: Warwick Station		
	Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54 Scale: 1:25000

Figure 30: NSW State Vegetation Type Mapping – Development Footprint - Linear Corridor 1 / 5



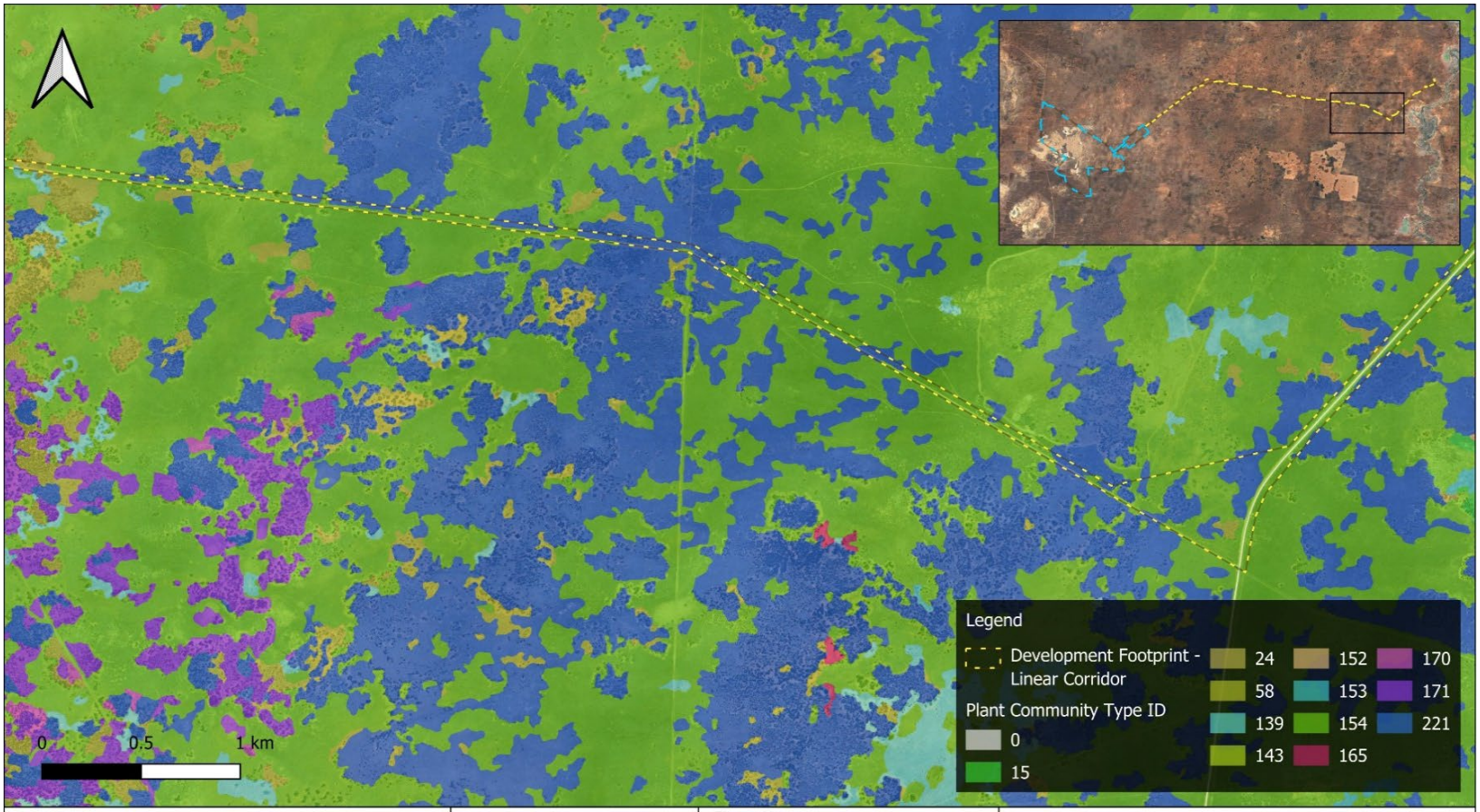
This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: NSW State Vegetation Type Mapping - PCT - Development Footprint - Linear Corridor 2/5	Biodiversity AUSTRALIA	
	Drawn by: NE	Location: Warwick Station		
	Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54 Scale: 1:25000

Figure 31: NSW State Vegetation Type Mapping – Development Footprint - Linear Corridor 2 / 5



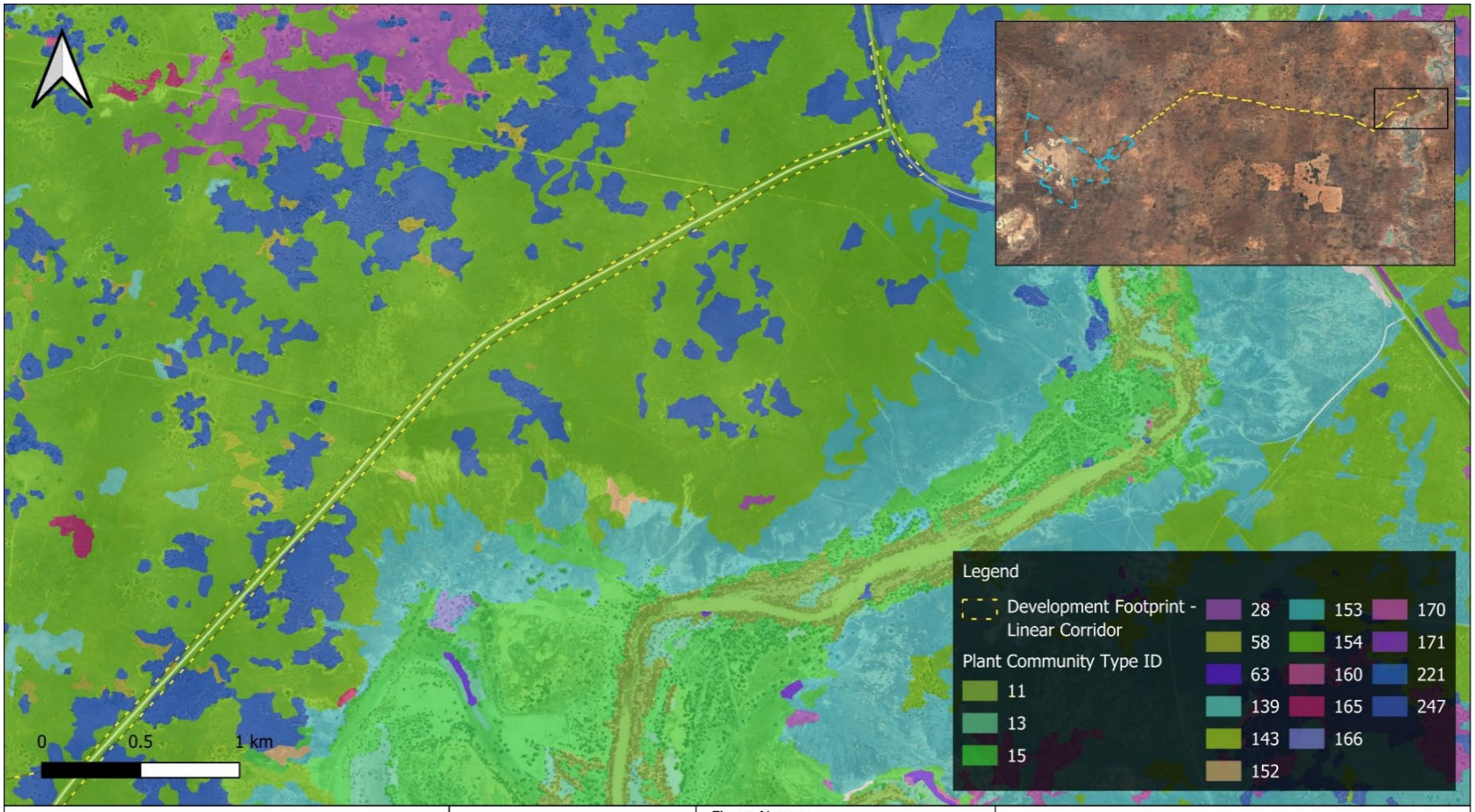
This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: NSW State Vegetation Type Mapping - PCT - Development Footprint - Linear Corridor 3/5	Biodiversity AUSTRALIA
	Drawn by: NE	Location: Warwick Station	
	Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872
			Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:25000

Figure 32: NSW State Vegetation Type Mapping – Development Footprint - Linear Corridor 3 / 5



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: NSW State Vegetation Type Mapping - PCT - Development Footprint - Linear Corridor 4/5	Biodiversity AUSTRALIA
	Drawn by: NE	Location: Warwick Station	
	Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872
			Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:25000

Figure 33: NSW State Vegetation Type Mapping – Development Footprint - Linear Corridor 4 / 5



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: NSW State Vegetation Type Mapping - PCT - Development Footprint - Linear Corridor 5/5	Biodiversity AUSTRALIA
	Drawn by: NE	Location: Warwick Station	
	Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872
			Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:25000

Figure 34: NSW State Vegetation Type Mapping – Development Footprint - Linear Corridor 5 / 5

3.2 Plant Community Type Descriptions

The Subject Land has undergone substantial historical grazing disturbance over decades from ongoing pastoral activity including sheep and goats. The area had regular drought records over the past 40 years which has likely exacerbated these grazing pressures. Nevertheless, the majority of the Development Footprint consists of Native Vegetation which is broadly in a high to moderate condition state across representative PCTs. NSW State Vegetation Type Mapping only partially aligns with ground-truthed PCTs within the Development Footprint (Figure 88).

The field surveys determined that the areas of Native Vegetation within the Development Footprint conform to PCTs for each of the Assessment Areas provided in Table 6.

The PCTs' descriptions and site observations are provided in Table 7 to Table 19.

Table 6: Plant Community Types confirmed within the Development Footprint during the 2025 Field Survey

PCT ID	PCT Name	Potential TEC/EEC	Area (ha)	Occurrence Assessment area
28	White Cypress Pine open woodland of sand plains, prior streams and dunes mainly of the semi-arid (warm) climate zone	Sandhill Pine Woodland in the Riverina, Murray Darling Depression and NSW South Western Slopes bioregions and *Acacia melvillei* Shrubland in the Riverina and Murray-Darling Depression bioregions, listed under the BC Act.	0.77	Linear Corridor
58	Black Oak – Western Rosewood open woodland on deep sandy loams mainly in the Murray Darling Depression Bioregion	Associated with the EEC *Acacia loderi* shrublands and *Acacia melvillei* Shrubland in the Riverina and Murray-Darling Depression bioregions, listed under the BC Act.	48.82	Linear Corridor
			189.82	Mine Site
64	Samphire - Water Weed - Sea-Heath shrubland saline wetland of depressions of the arid and semi-arid	None	641.45	Mine Site
143	Narrow-leafed Hopbush – Scrub Turpentine – Senna shrubland on semi-arid and arid sandplains and dunes	Associated with *Acacia loderi* shrublands (EEC)	17.2	Linear Corridor
152	Lunette chenopod shrubland mainly of the Murray Darling Depression Bioregion	None	249.82	Mine Site
154	Pearl Bluebush low open shrubland of the arid and semi-arid plains	Associated with *Acacia loderi* shrublands (TEC)	102.09	Linear Corridor
			1564.73	Mine Site
157	Bladder Saltbush shrubland in the semi-arid (warm) zone including Riverina Bioregion	None	495.7	Mine Site
170	Chenopod sandplain mallee woodland/shrubland	Associated with the EEC *Acacia loderi* shrublands and *Acacia melvillei* Shrubland in the Riverina and Murray-Darling Depression bioregions, listed under the BC Act.	13.6	Linear Corridor
			1.98	Mine Site

PCT ID	PCT Name	Potential TEC/EEC	Area (ha)	Occurrence Assessment area
171	Spinifex linear dune mallee mainly of the Murray Darling Depression Bioregion	None	6.56	Linear Corridor
			5.57	Mine Site
215	Woollybutt Grass open grassland on red earths of the inland plains	None	5.89	Mine Site
221	Black Oak – Pearl Bluebush open woodland of the sandplains of the semi-arid warm and arid climate zones	None	394.97	Mine Site
253	Gypseous shrubland on rises in the semi-arid and arid plains	None	140.14	Mine Site
254	Black Oak - Bladder Saltbush on light clays in the arid zone	None	1.16	Mine Site

The following provides a detailed description of the Native Vegetation within the Development Footprint that will be affected by the proposal. A total of 13 PCTs occur within the Development Footprint including 11 within the Development Footprint - Mine Site and six within the Development Footprint - Linear Corridor. PCTs 28 (Table 7) and 143 (Table 10) are confined to the Linear Corridor.

The Development Footprint - Linear Corridor intersects five PCTs that are potentially associated with an Endangered Ecological Communities (EEC) listed under the BC Act:

- PCT 28 is associated with the EEC - Sandhill Pine Woodland in the Riverina, Murray Darling Depression and NSW South Western Slopes bioregions and *Acacia melvillei* Shrubland in the Riverina and Murray-Darling Depression bioregions. This is an Endangered Ecological Community listed under the BC Act.
- PCT 143 and 154 (Table 12) are associated with *Acacia loderi* shrublands. This community has a threat status of Endangered under the BC Act.
- PCT 58 (Table 8) and 170 (Table 14) are associated with the EEC *Acacia loderi* shrublands and *Acacia melvillei* Shrubland in the Riverina and Murray-Darling Depression bioregions. These communities have a threat status of Endangered under the BC Act.

Vegetation Zones have been accurately mapped following the field verifications. These are presented in Figure 35 through Figure 41.

The PCTs' descriptions and site observations are provided from Sections 3.2.1 to 3.2.13 and Table 7 to Table 19.

3.2.1 Vegetation Community 1 – PCT 28

Table 7: Vegetation Community 1

PCT	**28 - White Cypress Pine open woodland of sand plains, prior streams and dunes mainly of the semi-arid (warm) climate zone.**
Vegetation Formation	Semi-arid Woodlands (Shrubby sub-formation)
Vegetation Class	Riverine Sandhill Woodlands
Land Zones & Area	0.77 ha Development Footprint - Linear Corridor
EEC Status	Listed under the BC Act as Endangered: Sandhill Pine Woodland in the Riverina, Murray Darling Depression and NSW South Western Slopes bioregions and *Acacia melvillei* Shrubland in the Riverina and Murray-Darling Depression bioregions.
Clearing Extent	73%
Vegetation Zones	0.77 ha Moderate Condition (LC-VZ#1-28_Mod) within the Development Footprint - Linear Corridor
Number of Plots	2 (plots required 1)
Plot numbers	1, 2
Location	The PCT is present in Moderate Condition over small areas along the Linear Corridor (Haul Road)
Description	**Moderate Condition 28.** **Canopy:** This PCT is dominated by a Black Oak *(Casuarina pauper)* canopy of scattered trees, with some *Callitris glaucophylla* present. **Shrub layer:** Shrub species include Black Bluebush (*Maireana pyramidata), Maireana appressa, Maireana pentatropis,* Ruby Saltbush *(Enchylaena tomentosa)* and Thorny Saltbush (*Rhagodia spinescens*). **Ground layer:** Ground cover includes forbs of Corrugated Sida *(Sida corrugata).* Other species found in this PCT include: *Asphodelus fistulosus, Psilocaulon granulicaule, Salvia verbenaca* and *Convolvulus remotus.*
Condition	This community exists in a moderate integrity condition. It occurs on the southern portion of the Development Footprint and adjoins existing intact terrestrial and aquatic vegetation in the northern sectors. Where it is present, the canopy is mature although it does not contain white cypress pine (*Callitris glaucophylla*), either in pure stands or with a range of other less abundant trees or tall shrubs such as yarran (*Acacia melvillei*) or *Acacia oswaldii.* Land clearing and grazing by sheep and goats have reduced the understorey and ground cover of this community. Notwithstanding, this community meets the diagnostic criteria detailed in the NSW Scientific Committee – final determination to be considered an EEC.



Photograph 1: PCT28 – Moderate

3.2.2 Vegetation Community 2 – PCT 58

Table 8: Vegetation Community 2

PCT	**58 - Black Oak - Western Rosewood open woodland on deep sandy loams mainly in the Murray Darling Depression Bioregion.**
Vegetation Formation	Semi-arid Woodlands (Shrubby sub-formation)
Vegetation Class	Semi-arid Sand Plain Woodlands
Land Zones & Area	A total area of 238.64 ha 48.82 ha with Development Footprint - Linear Corridor and 189.82 ha within Development Footprint – Mine Site.
EEC Status	Listed under the BC Act as Endangered: *Acacia loderi* shrublands and *Acacia melvillei* Shrubland in the Riverina and Murray-Darling Depression bioregions.
Clearing Extent	50%
Vegetation Zones	48.82 ha Moderate Condition (LC-VZ#2-58_Mod) within the Development Footprint - Linear Corridor. 189.82 ha Moderate Condition (MS-VZ#1-58_Mod) within the Development Footprint - Mine Site.
Number of Plots	8 plots within Development Footprint – Mine Site (Required - 6). 14 within Development Footprint – Linear Corridor (Required - 4).

Plot numbers	18, 16, 15, 13, 14, 17, 10, 6, 8, 4, 12, 9, 7, 5, 11, 19, 3, 20, 21, 22
Location	The PCT is present in a moderate condition over much of the northwest, southern and eastern portion of the Development Footprint - Mine Site and dispersed throughout the Development Footprint - Linear Corridor.
Description	**Moderate Condition 58** **Canopy:** Isolated clumps of trees dominated by Black Oak (*Casuarina pauper*) and *Alectryon oleifolius subsp. canescens.* **Shrub layer:** The shrub layer is very sparse, with Black Bluebush (*Maireana pyramidata)* as the dominant species with other species including *Atriplex spp. Atriplex vesicaria, Chenopodium curvispicatum, Dissocarpus paradoxus, Sclerolaena diacantha, Sclerolaena patenticuspis, Sclerolaena spp., Atriplex stipitate, Chenopodium desertorum, Chenopodium spp., Enchylaena tomentosa, Exocarpos aphyllus, Maireana brevifolia, Maireana georgei, Maireana pentatropis, Maireana sedifolia, Maireana spp., Rhagodia spinescens,* scattered throughout the site. The shrub layer is scattered sparsely over the spaces between canopies. **Ground layer:** The ground cover is sparse and dry, with *Austrostipa scabra* and *Enneapogon avenaceus* present with minimal leaf litter present. Forbs were present in low abundance and cover for the species; *Boerhavia domini, Boerhavia spp., Brachyscome spp., Euphorbia drummondii, Sida corrugata, Tetragonia moorei, Vittadinia cuneata, Atriplex holocarpa, Portulaca oleracea* and *Vittadinia cuneata var. hirsuta.* Leaf litter is present in small areas over the ground but is severely degraded from agricultural and weather conditions. With the presence of emerging shrubs of Black Oak (*Casuarina pauper*). *Dissocarpus paradoxus*, *Sclerolaena patenticuspis*, *Austrostipa scabra, Atriplex stipitate, Enneapogon avenaceus, Brachyscome spp., Boerhavia spp., Thysanotus spp., Sclerolaena patenticuspis* occur scattered over the ground next to Black Bluebush (*Maireana pyramidata).* Leaf litter covers the areas of bare ground.
Condition	The overall condition of this community is moderate integrity. The NSW Scientific Committee – Final Determination for the two EEC emphasises the importance of *Acacia loderi* and *Acacia melvillei* as an important component of the shrubland composition. Section 3.5 contains a detailed assessment of this community against the NSW Scientific Committee Final Determination. Neither of these two shrubs are represented in this community. This EEC typically occupies sandhills and undulating sandplains in south-western NSW where the community occurs on red-brown, sandy loam soils which are represented within the Development Footprint. Despite occupying the correct geographical location, topography and soil type, the representative species associated with the EEC are not present within the Development Footprint and it cannot be considered to be in a condition state consistent with the Final Determination for this EEC.



Photograph 2: PCT 58 - Moderate

3.2.3 Vegetation Community 3 – PCT 64

Table 9: Vegetation Community 3

PCT	64 - Samphire - Water Weed - Sea-Heath shrubland saline wetland of depressions of the arid and semi-arid (warm) zones
Vegetation Formation	Saline Wetlands
Vegetation Class	Inland Saline Lakes
Land Zones & Area	641.45 ha Development Footprint - Mine Site
EEC Status	Not listed
Clearing Extent	0.0%
Vegetation Zones	641.45 ha Moderate Condition (MS-VZ#2-64_Mod) within the Development Footprint - Mine Site.
Number of Plots	23 (Required - 8)
Plot numbers	26, 23, 27, 28, 25, 29, 24

Location	The PCT is present in varying conditions over much of the central and western portion of the Mine Site footprint
Description	**<u>Moderate Condition 64</u>** **Canopy:** The canopy layer is absent **Shrub and Ground layer:** Sparse chenopod shrubland Dominated by *Tecticornia pergranulata subsp. pergranulata.* Scattered shrubs of Bladder Saltbush *(Atriplex vesicaria),* Goosefoot, Crumbweed *(Chenopodium spp.),* Cannonball Burr (*Dissocarpus paradoxus),* Sticky Hop-bush *(Dodonaea viscosa), Maireana appressa,* Slit-wing Bluebush *(Maireana georgei),* Black Bluebush *(Maireana pyramidata),* Water Weed *(Osteocarpum acropterum), Rhagodia gaudichaudiana, Rhagodia spp.,* Short-winged Copperburr *(Sclerolaena brachyptera),* Grey Copperburr *(Sclerolaena diacantha), Tangled Copperburr (Sclerolaena divaricate), Sclerolaena patenticuspis and Tecticornia pergranulata subsp. pergranulata.* Grasses are present, including Speargrass *(Austrostipa scabra),* Mallee Lovegrass *(Eragrostis dielsii*), Neverfail *(Eragrostis setifolia*) and Five-minute Grass *(Tripogon loliiformis)* but appear as die-off with minimal leaf litter. Small forbs including Pop Saltbush *(Atriplex holocarpa)*, Tarvine *(Boerhavia domini*), Corrugated Sida *(Sida corrugata)*, *Calandrinia spp*., *Disphyma crassifolium subsp. clavellatum*, *Disphyma crassifolium subsp. subclavellatum*, *Frankenia serpyllifolia*, *Oxalis perennans*, *Sida corrugata*, *Tetragonia moorei*, *Vittadinia cervicularis*, *Vittadinia cuneata*. The Ward's Weed (*Carrichtera annua)* and Cat-head (*Tribulus terrestris)* are also present in small quantity and abundance.
Condition	This community exists within the Development Footprint – Mine Site in a Moderate integrity condition. Areas of this community are affected by elevated groundwater during flooding events where the increased moisture causes dieback.



Photograph 3: PCT 64 – Moderate

3.2.4 Vegetation Community 4 – PCT 143

Table 10: Vegetation Community 4

PCT	**143 - Narrow-leafed Hopbush - Scrub Turpentine - Senna shrubland on semi-arid and arid sandplains and dunes**
Vegetation Formation	Arid Shrublands (Acacia sub-formation)
Vegetation Class	Sand Plain Mulga Shrublands
Land Zones & Area	17.2 ha Development Footprint – Linear Corridor
TEC Status	Listed under the BC Act as Endangered: *Acacia loderi* shrublands
Clearing Extent	30%
Vegetation Zones	17.2 ha Moderate Condition (LC-VZ#3-143_Mod) within the Development Footprint - Linear Corridor
Number of Plots	4 (Required - 3)
Plot numbers	30, 34, 31
Location	The PCT is present in Moderate condition along the Haul Road of the Subject Land in small, scattered patches
Description	**Moderate Condition 143** **Canopy:** The Canopy Layer is absent **Shrub layer:** Small clumps and scattering of dominant Narrow-leaf Hop-bush (*Dodonaea viscosa* subsp. *Angustissima),* are surrounded by *Chenopodium curvispicatum* and Black Bluebush (*Maireana pyramidata*). Other present shrubs include Cannonball Burr *(Dissocarpus paradoxus),* Grey Copperburr (*Sclerolaena diacantha),* Ruby Saltbush *(Enchylaena tomentosa),* Turpentine Bush *(Eremophila sturtii),* Pearl Bluebush *(Maireana sedifolia), Olearia pimeleoides,* Thorny Saltbush *(Rhagodia spinescens),* and *Sclerolaena patenticuspis.* **Ground layer:** Lack of emerging shrubs with small forbs present including *Boerhavia domini., Euphorbia drummondii, Vittadinia cervicularis, Vittadinia cuneata, Vittadinia cuneata var. hirsuta.* The presence of weeds; *Asphodelus fistulosus, Convolvulus arvensis, Medicago polymorpha, Salvia verbenaca, Tribulus terrestris* and *Convolvulus remotus,* reinstate the degraded landscape.
Condition	This community exists in a Moderate integrity condition. The long-term pressures of land clearing, drought and overgrazing have fragmented this community. The EEC *Acacia loderi* Shrubland community is dominated by this small shrub or tree and are known from the Murray-Darling Depression Bioregion on solonized brown soils within a rainfall range of 240 mm to 280 mm. While the geographic, topographic and soil conditions match this EEC, the absence of the shrub *Acacia loderi* discounts PCT 143 as having EEC status in accordance with the Final Determination.



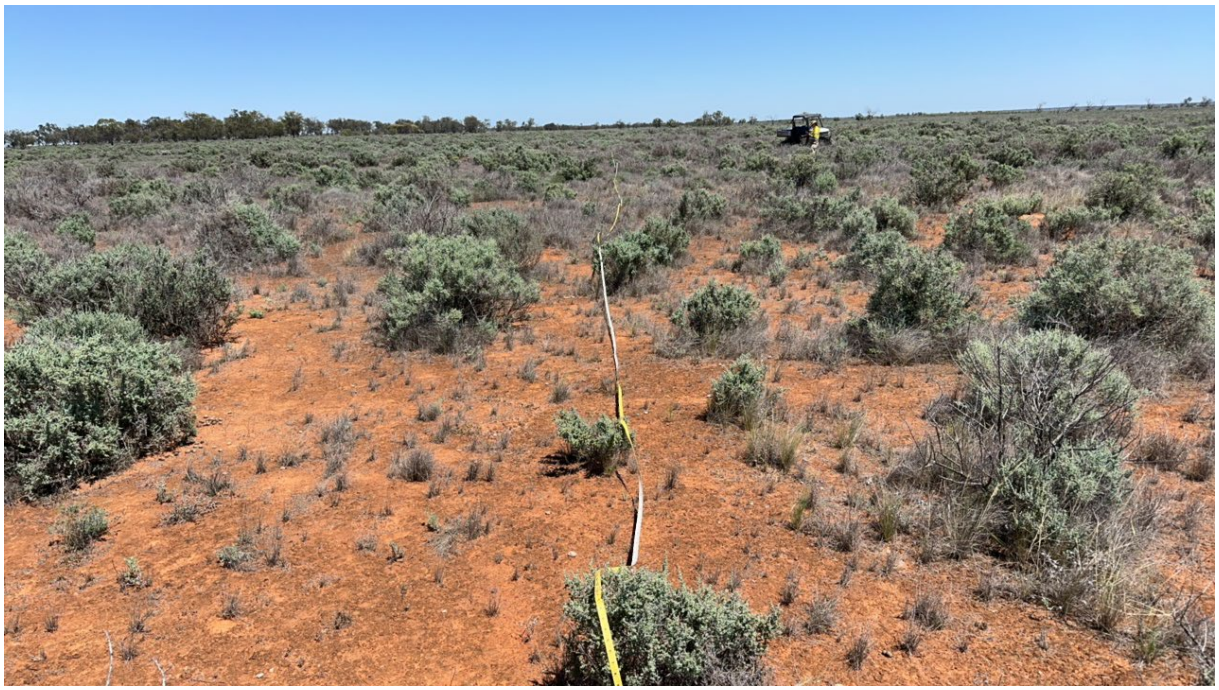
Photograph 4: PCT 143 – Moderate

3.2.5 Vegetation Community 5 – PCT 152

Table 11: Vegetation Community 5

PCT	152 - Lunette chenopod shrubland mainly of the Murray Darling Depression Bioregion
Vegetation Formation	Arid Shrublands (Chenopod sub-formation)
Vegetation Class	Aeolian Chenopod Shrublands
Land Zones & Area	249.82 ha within Development Footprint - Mine Site
EEC Status	Not listed
Clearing Extent	27.0%
Vegetation Zones	249.82 ha Moderate Condition (MS-VZ#3-152_Mod) within Development Footprint - Mine Site
Number of Plots	9 (Required - 6)
Plot numbers	40, 36, 41, 35, 38, 39, 37
Location	The PCT is present in a Moderate Condition over parts of the southern portion of the Mine Site of the Subject Land
Description	**Moderate Condition 152** **Canopy:**

	The Canopy Layer is absent **Shrub layer:** Black Bluebush (*Maireana pyramidata*) dominated with other shrubs including; *Chenopodium nitrariaceum*, Pearl Bluebush (Maireana sedifolia), Cannonball Burr *(Dissocarpus paradoxus),* Narrow-leaf Hop-bush *(Dodonaea viscosa subsp. angustissima),* Slit-wing Bluebush *(Maireana georgei),* Grey Copperburr *(Sclerolaena diacantha), Sclerolaena patenticuspis, Chenopodium curvispicatum,* Ruby Saltbush *(Enchylaena tomentosa),* Green Copperburr *(Sclerolaena decurrens)* and Tangled Copperburr (*Sclerolaena divaricate).* Grasses are present but are eaten or dried from weather conditions including Speargrass (*Austrostipa scabra),* Bottle Washers *(Enneapogon avenaceus*), Five-minute Grass *(Tripogon loliiformis).* **Ground layer:** Bare ground present with small forbs of *Boerhavia domini, Chrysocephalum apiculatum, Euphorbia drummondii, Sida corrugata, Tetragonia moorei, Vittadinia cuneata, Vittadinia cuneata var. hirsuta, Chenopodium melanocarpum, Portulaca oleracea, Tetragonia spp., Thysanotus baueri.* Weeds are present including; *Medicago polymorpha, Salvia verbenaca, Tribulus terrestris, Carrichtera annua, Medicago laciniata, Tagetes minuta* and *Convolvulus remotus.* Most of the grasses are dried and eaten, resulting in minimal leaf litter.
Condition	A high number of exotic weed species occur including Onion Weed (*Asphodelus fistulosus*), tobacco bush (*Nicotiana glauca*), *Brassica tournefortii, Bromus rubens, Chenopodium murale, Cucumis myriocarpus Pittosporum angustifolium leptodermis* and *Medicago* spp. While most of it has not been physically cleared, this community has been heavily grazed and subjected to high levels of erosion making it difficult to appreciate the composition of the original vegetation. Soil erosion and grazing by rabbits threaten elements of this community - large areas of lunettes are now bare of vegetation. Requires fencing off from stock, rabbits, feral goats, kangaroos and improved representation in reserves.



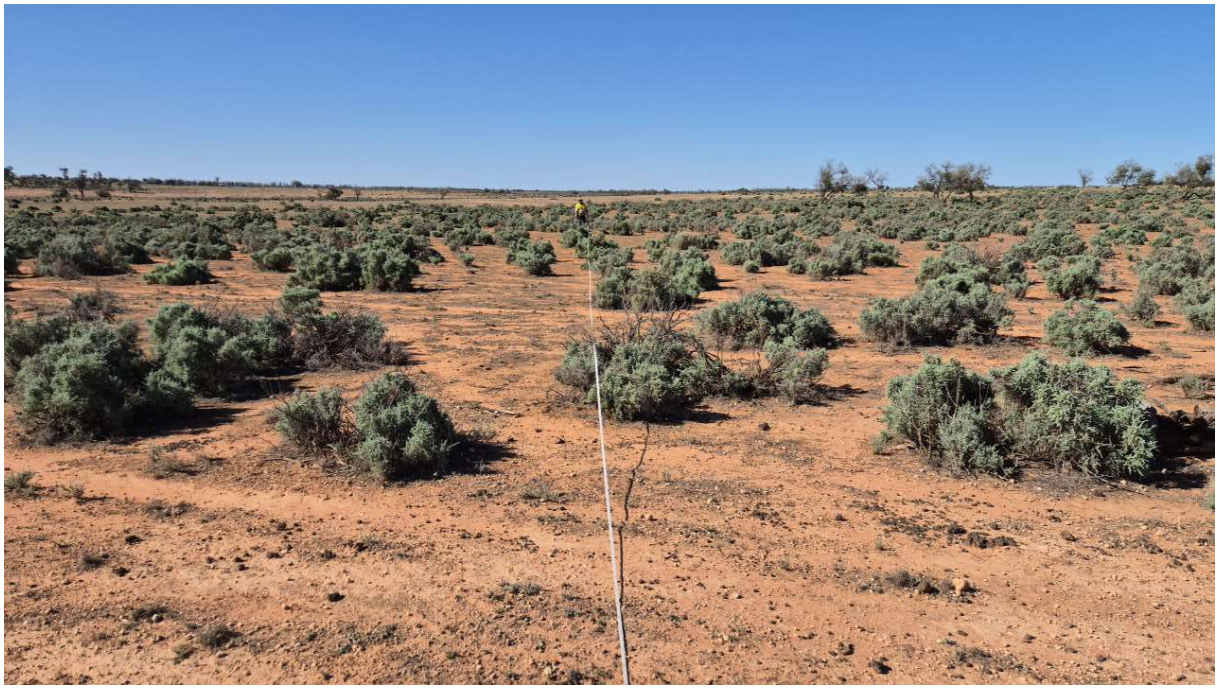
Photograph 5: PCT 152 - Moderate

3.2.6 Vegetation Community 6 – PCT 154

Table 12: Vegetation Community 6

PCT	154 - Pearl Bluebush low open shrubland of the arid and semi-arid plains
Vegetation Formation	Arid Shrublands (Chenopod sub-formation)
Vegetation Class	Aeolian Chenopod Shrublands
Land Zones & Area	A total of 1,666.82 ha 1564.73 ha in the Development Footprint – Mine Site. 102.09 ha in the Development Footprint – Linear Corridor
EEC Status	Listed under the BC Act as Endangered: *Acacia loderi* shrublands
Clearing Extent	43%
Vegetation Zones	1564.73 ha Moderate Condition (MS-VZ#4-154_Mod) in the Development Footprint – Mine Site 102.09 ha Moderate Condition (LC-VZ#4-154_Mod) in the Development Footprint – Linear Corridor
Number of Plots	48 at the Development Footprint – Mine Site (Required - 8) 25 at the Development Footprint – Linear Corridor (Required - 7)
Plot numbers	45, 58, 47, 57, 73, 59, 48, 60, 74, 75, 46, 49, 61, 63, 56, 42, 43, 62, 44, 52, 67, 53, 64, 55, 65, 51, 72, 66, 54, 69, 70, 71, 68, 50, 78, 79, 80, 81
Location	The PCT is present in varying condition over much of the western portion of the Mine Site, reaching along the boundaries to the north and south as well as occupying the majority of the Haul Road of the Subject Land.
Description	**Moderate Condition 154** **Canopy:** The Canopy Layer is absent **Shrub layer:** Presence of shrubs dominated by Pearl Bluebush *(Maireana sedifolia) and Maireana pyramidata* **Ground layer:** Grasses are scarce and scattered around the shrubs and include *Enneapogon avenaceus*, *Austrostipa scabra*, *Eragrostis setifolia*, *Austrostipa scabra subsp. Scabra*. Leaf litter is present around the base of the plants. Some forbs are present and scattered. Forbs include, *Vittadinia cuneata*, *Boerhavia domini*, *Sida corrugata*, *Portulaca oleracea*, *Vittadinia cuneata var. hirsuta*, *Tetragonia moorei*, *Goodenia sp, Tribulus spp.* Weeds are few, including *Salvia verbenaca, Medicago polymorpha, Tribulus terrestris, Convolvulus remotus, Cardamine hirsuta, Onopordum spp., Sonchus oleraceus, Tagetes minuta.*
Condition	This community exists in one condition state (Moderate) and may have been derived from Bladder Saltbush-dominated communities, and the saltbush has been grazed out. Wards weed (*Carrichtera annua*) is common. In some areas it grades into Bladder Saltbush (*Atriplex vesicaria*) shrubland, grassland or mallee woodland communities. Continuous, heavy grazing by goats and sheep have caused bluebush to disappear to be replaced by grasses and forbs.

	The EEC *Acacia loderi* Shrubland community is dominated by this small shrub or tree and is known from the Murray-Darling Depression Bioregion on solonized brown soils within a rainfall range of 240 mm to 280 mm. While the geographic, topographic, edaphic and soil conditions match this EEC, the absence of the shrub *Acacia loderi* and poor condition state discounts PCT 154 as having EEC status in accordance with the Final Determination.



Photograph 6: PCT 154 – Moderate

3.2.7 Vegetation Community 7 – PCT 157

Table 13: Vegetation Community 7

PCT	**157 - Bladder Saltbush shrubland in the semi-arid (warm) zone including Riverina Bioregion**
Vegetation Formation	Arid Shrublands (Chenopod sub-formation)
Vegetation Class	Riverine Chenopod Shrublands.
Land Zones & Area	495.7 ha Development Footprint - Mine Site
EEC Status	Not Listed
Clearing Extent	60%
Vegetation Zones	3.58 ha High Condition (MS-VZ#6-157_High) within the Development Footprint – Mine Site 492.12 ha Moderate Condition (MS-VZ#5-157_Mod) within the Development Footprint – Mine Site

Number of Plots	20 (Required – 9)
Plot numbers	Moderate: 86, 91, 89, 92, 87, 90, 88, 93 High: 94, 95
Location	The PCT is present in moderate-high condition over much of the inner portion of the Mine Site of the Subject Land
Description	**<u>High Condition 157</u>** (Plot Copi Mine 90) **Canopy:** The Canopy Layer is absent **Shrub layer:** Shrub layer is present with *Atriplex vesicaria* as the dominant species. Other shrubs are scattered leaving areas of bare ground and include, *Atriplex spp., Atriplex vesicaria subsp. macrocystidia, Dissocarpus paradoxus, Enchylaena tomentosa, Maireana appressa, Maireana georgei, Maireana pentatropis, Maireana pyramidata, Maireana spp., Osteocarpum acropterum, Rhagodia gaudichaudiana, Sclerolaena brachyptera, Sclerolaena decurrens, Sclerolaena diacantha, Sclerolaena divaricate, Sclerolaena patenticuspis, Sclerolaena spp., Sclerolaena stelligera, Tecticornia halocnemoides, Tecticornia spp.* **Ground layer:** Grasses include *Austrostipa scabra, Austrostipa spp., Enneapogon avenaceus, Eragrostis spp.* and *Tripogon loliiformis.* Forbs are present, connecting some areas of shrubs and include *Atriplex holocarpa, Boerhavia domini, Boerhavia spp., Calandrinia spp., Chenopodium melanocarpum, Disphyma crassifolium subsp. clavellatum, Euphorbia drummondii, Frankenia serpyllifolia, Sarcozona praecox, Sida corrugata, Thysanotus baueri, Thysanotus spp, Vittadinia cervicularis, Vittadinia cuneata.* Large areas of bare ground present. **<u>Moderate Condition 157</u>** **Canopy:** The Canopy Layer is absent **Shrub layer:** Shrub layer is present with *Atriplex vesicaria* as the dominant species. Other shrubs are scattered with large areas of bare ground. Other shrubs include, *Dissocarpus paradoxus, Maireana appressa, Maireana pentatropis, Maireana pyramidata, Rhagodia gaudichaudiana, Sclerolaena brachyptera, Sclerolaena decurrens, Sclerolaena diacantha, Sclerolaena divaricate, Tecticornia spp.* This layer has been severely impacted by overgrazing and drought. **Ground layer:** Very few grasses in this zone; include *Austrostipa scabra. Some* forbs present, connecting areas of shrubs including *Boerhavia domini, Sida corrugata, and Malva parviflora.* Very large areas of bare ground present.
Condition	This community occurs in two integrity condition within the Development Footprint – Mine Site. It has been cleared or severely altered through grazing and dieback. A combination of stock and rabbit grazing, droughts and grub-herbivory dieback has lowered the condition of this community and caused Bladder Saltbush to retreat west on the Riverine Plain leaving behind "derived" grasslands.



Photograph 7: PCT 157 - Moderate



Photograph 8: PCT 157 - High

3.2.8 Vegetation Community 8 – PCT 170

Table 14: Vegetation Community 8

PCT	170 - Chenopod sandplain mallee woodland/shrubland
Vegetation Formation	Semi-arid Woodlands (Shrubby sub-formation)
Vegetation Class	Sand Plain Mallee Woodlands
Land Zones & Area	A total of 15.58 ha 13.6 ha within the Development Footprint – Linear Corridor 1.98 ha within the Development Footprint – Mine Site
EEC Status	Listed under the BC Act as Endangered: *Acacia loderi* shrublands and *Acacia melvillei* Shrubland in the Riverina and Murray-Darling Depression bioregions. Listed under the EPBC Act as Critically Endangered *Plains mallee box woodlands of the Murray darling depression, Riverina and Naracoorte Coastal plain Bioregion and Endangered: Mallee Bird Community of the Murray Darling depression*
Clearing Extent	41%
Vegetation Zones	13.6 ha Moderate Condition (LC-VZ#5-170_Mod) within the Development Footprint – Linear Corridor 1.98 ha Moderate Condition (MS-VZ#7-170_Mod) within the Development Footprint – Mine Site
Number of Plots	1 at the Development Footprint - Mine Site (Required – 1) 11 at the Development Footprint - Linear Corridor (Required - 3)
Plot numbers	98, 101, 102, 103, 104, 105, 106
Location	The PCT is present in degraded condition over small areas at the northern and southern end of the Mine Site and in small patched along the Haul Road of the Subject Land.
Description	**Moderate Condition 170** **Canopy:** The Mallee woodland is dominated by White Mallee *(Eucalyptus dumosa)* **Shrub layer:** Shrubs are minimal in cover and abundance including *Atriplex stipitate, Dissocarpus paradoxus, Enchylaena tomentosa, Eremophila sturtii, Maireana brevifolia, Maireana pentatropis, Maireana pyramidata, Maireana spp., Sclerolaena diacantha, Sclerolaena patenticuspis.* **Ground layer:** Forbs include *Boerhavia domini, Einadia nutans subsp. oxycarpa, Euphorbia drummondii, Portulaca oleracea, Roepera eremaea* and *Vittadinia cuneata*. Grasses include *Austrostipa scabra* and *Enneapogon avenaceus*. Other species found include *Mesembryanthemum crystallinum, Salvia verbenaca* and *Tribulus terrestris.* The environment is highly degraded by agricultural and weather conditions.
Condition	Significant areas have been cleared for grazing or cropping however, small areas remain uncleared in the Development Footprint. Most areas outside road reserves are grazed by stock and trampling of

	soils has led to soil erosion. Fire is a key disturbance factor in mallee located along the Linear Corridor in several locations. The NSW Scientific Committee – Final Determinations for the two relevant EECs emphasises the importance of *Acacia loderi* and *Acacia melvillei* as an important component of the shrubland composition. Neither of these two species are represented in this community. This EEC typically occupies sandhills and undulating sandplains in south-western NSW where the community occurs on red-brown, sandy loam soils which are represented at the site. Despite meeting the correct geographic, topographic and edaphic conditions, the representative species associated with the EEC are not present and it cannot be considered to be in a condition state consistent with the Final Determination for either of the two possible EECs.



Photograph 9: PCT 170 – Moderate

3.2.9 Vegetation Community 9 – PCT 171

Table 15: Vegetation Community 9

PCT	171 - Spinifex linear dune mallee mainly of the Murray Darling Depression Bioregion.
Vegetation Formation	Semi-arid Woodlands (Shrubby sub-formation)
Vegetation Class	Dune Mallee Woodlands
Land Zones & Area	A total of 12.13 ha 6.56 ha within the Development Footprint – Linear Corridor 5.57 ha within the Development Footprint – Mine Site
EEC Status	*Mallee Bird Community of the Murray Darling Depression Bioregion* (EPBC – threat status Endangered). There are no EECs listed under the BC Act for PCT. 171

Clearing Extent	19%
Vegetation Zones	6.56 ha Moderate Condition (LC-VZ#6-171_Mod) within the Development Footprint – Linear Corridor 5.57 ha Moderate Condition (MS-VZ#8-171_Mod) within the Development Footprint – Mine Site
Number of Plots	5 at the Development Footprint - Linear Corridor (Required - 3) 3 at the Development Footprint - Mine Site (Required – 3)
Plot numbers	110, 109, 108, 112, 113, 114, 115
Location	The PCT is present in varying condition over small areas at the northern end of the Mine Site and in small patched along the Haul Road of the Subject Land.
Description	**Moderate Condition 171** **Canopy:** The Mallee woodland is dominated by White Mallee *(Eucalyptus dumosa).* **Shrub layer:** Shrubs are minimal in cover and abundance including *Atriplex vesicaria, Chenopodium desertorum, Dissocarpus paradoxus, Enchylaena tomentosa, Maireana georgei, Maireana pyramidata, Maireana sedifolia, Sclerolaena diacantha, Sclerolaena patenticuspis, Chenopodium spp.* and *Sclerolaena spp.* **Ground layer:** Forbs include *Vittadinia cuneata var. hirsuta* and *Ehrharta spp. Grasses include Austrostipa scabra, Enneapogon avenaceus, Paspalidium constrictum* and *Triodia scariosa.* Other species also include *Convolvulus remotus.*
Condition	This community occurs across the Development Footprint in a Moderate condition State where it has been impacted by land clearing, grazing by domestic and feral animals and occasionally burnt.



Photograph 10: PCT 171 – Moderate

3.2.10 Vegetation Community 10 – PCT 215

Table 16: Vegetation Community 10

PCT	215 - Woollybutt Grass open grassland on red earths of the inland plains.
Vegetation Formation	Arid Shrublands (Acacia sub-formation)
Vegetation Class	Sand Plain Mulga Shrublands
Land Zones & Area	A total area of 5.89 ha within the Development Footprint - Mine Site
EEC Status	No associated TEC
Clearing Extent	20%
Vegetation Zones	0.82 ha High Condition (MS-VZ#10-215_High) and 5.07 ha Moderate Condition (MS-VZ#9-215_Mod) within the Development Footprint – Mine Site.
Number of Plots	4 (Required – 4)
Plot Numbers	Moderate: 116, 118, 117 High: 119
Location	The PCT is present in degraded condition in small patches over the northwestern portion of the Mine Site footprint.
Description	**High Condition 215** (Plot COPI Mine 95) **Canopy:** The Canopy is not present **Shrub layer:** There is no shrub layer present **Ground layer:** Grasses are present in larger, denser, more connected patches, dominated by *Eragrostis setifolia* and *Sclerolaena patenticuspis*, with Sida corrugata, *Austrostipa scabra*, *Euphorbia drummondii*, *Tetragonia moorei*, *Dissocarpus paradoxus*, *Enneapogon avenaceus, Tribulus terrestris, Boerhavia domini,* and *Paspalidium constrictum*. Ground cover with forbs in minimal cover including *Vittadinia cuneata var. hirsute, Ehrharta spp.* and *Convolvulus remotus.* **Moderate Condition 215** **Canopy:** The Canopy Layer is not present **Shrub layer:** There is no shrub layer present **Ground layer:** Grasses are present in smaller, thinner, less connected clumps, dominated by *Eragrostis setifolia* and *Sclerolaena patenticuspis*, with *Austrostipa scabra*, *Enneapogon avenaceus* and *Paspalidium constrictum*. Ground cover with forbs in minimal in cover including *Vittadinia cuneata var. hirsute.*

Condition	Occurs in two condition states, within the Development Footprint where it has been heavily grazed by domestic and feral animals including sheep and goats. Clearing has fragmented this community which occurs in small patches. Largely derived community as a result of clearing and dieback of Mulga, however, some areas of this grassland may occur naturally.



Photograph 11: PCT 215 – Moderate



Photograph 12: PCT 215 – High

3.2.11 Vegetation Community 11 – PCT 221

Table 17: Vegetation Community 11

PCT	**221 - Black Oak - Pearl Bluebush open woodland of the sandplains of the semi-arid warm and arid climate zones.**
Vegetation Formation	Semi-arid Woodlands (Shrubby sub-formation)
Vegetation Class	Semi-arid Sand Plain Woodlands
Land Zones & Area	A total of 394.97 ha within the Development Footprint - Mine Site.
EEC Status	Not listed
Clearing Extent	30%
Vegetation Zones	3.12 ha High Condition (MS-VZ#12-221_High) and 391.85 ha Moderate Condition (MS-VZ#11-221_Mod) within the Development Footprint - Mine Site.
Number of Plots	10 (Required - 9)
Plot Numbers	Moderate: 126, 124, 123, 125, 122, 120, 121 High: 129, 128
Location	The PCT is present in varying condition over much of the northern portion of the Mine Site as well as areas to the south and east of the Subject Land.
Description	**<u>High Condition 221</u>** **Canopy:** Dominated by Black Oak (*Casuarina pauper*) in multiple plots but some absent of canopy cover. **Shrub layer:** A moderate density layer of shrubs dominated by *Maireana sedifolia*, also including *Chenopodium curvispicatum, Chenopodium desertorum, Dissocarpus paradoxus, Maireana georgei, Maireana pyramidata, Maireana sedifolia, Maireana spp., Maireana turbinata, Sclerolaena diacantha* and *Sclerolaena patenticuspis* **Ground layer:** The ground cover moderately sparse with grasses of *Austrostipa scabra, Austrostipa spp., Enneapogon avenaceus* and *Paspalidium constrictum.* Forbs are present in minimal cover and abundance including *Boerhavia domini, Sida corrugata, Tetragonia moorei, Thysanotus baueri., Vittadinia cuneata, Vittadinia cuneata var. hirsuta* and *Vittadinia muelleri.* Other flora present include *Conyza spp., Sonchus oleraceus, Tribulus terrestris* and *Convolvulus remotus.* **<u>Moderate Condition 221</u>** **Canopy:** Open sparce canopy of Black Oak (*Casuarina pauper*) across most of this zone, however a few areas with large open spaces with no canopy at all. **Shrub layer:** A sparse layer of shrubs dominated by *Maireana sedifolia*, also including *Chenopodium curvispicatum, Chenopodium desertorum, Dissocarpus paradoxus, Maireana georgei, Maireana pyramidata, Maireana sedifolia, Maireana spp., Maireana turbinata, Sclerolaena diacantha* and *Sclerolaena patenticuspis*

	Ground layer: Very sparse with large areas of bare earth, with grasses of *Austrostipa scabra, Austrostipa spp., Enneapogon avenaceus.* Forbs present in minimal cover and abundance include *Boerhavia domini, Sida corrugata, Tetragonia moorei, Vittadinia cuneata, Vittadinia cuneata var. hirsuta* and *Vittadinia muelleri.* Other flora present includes *Conyza spp., Sonchus oleraceus and Tribulus terrestris.*
Condition	This community occurs in two condition states, Moderate and High within the Development Footprint – Mine Site and has become degraded over the long term due to drought, grazing pressure and lack of regeneration of key species. The High condition vegetation zone contains higher plant and habitat structure, as well as a higher composition of plant species. Abundance and cover is also higher in this vegetation zone as well and the apparent resilience of the surviving vegetation.



Photograph 13: PCT 221 – Moderate



Photograph 14: PCT 221 High

3.2.12 Vegetation Community 12 – PCT 253

Table 18: Vegetation Community 12

PCT	253 - Gypseous shrubland on rises in the semi-arid and arid plains.
Vegetation Formation	Saline Wetlands
Vegetation Class	Inland Saline Lakes
Land Zones & Area	A total of 140.14 ha within the Development Footprint - Mine Site
TEC Status	Not listed
Clearing Extent	30%
Vegetation Zones	140.14 ha Moderate Condition (MS-VZ#13-253_Mod) within the Development Footprint - Mine Site.
Number of Plots	14 (required – 6)
Plot Numbers	134, 133, 130, 132, 131, 135, 136
Location	The PCT is present in a moderate condition over the centre of the Mine Site within the Subject Land.
Description	**Moderate Condition 253**

	Canopy: The canopy layer is absent **Shrub layer:** Open very sparse dry shrubland dominated by *Maireana pyramidata* and *Sclerolaena patenticuspis.* Large areas of bare earth are present in this zone. Other shrubs present include *Dissocarpus paradoxus, Maireana appressa, Rhagodia spp.,* and *Sclerolaena diacantha.* **Ground layer:** Grasses are present in low abundance including *Austrostipa scabra, Austrostipa nullanulla* and *Enneapogon avenaceus.* Forbs present are in minimal cover and abundance including *Boerhavia domini, Chenopodium melanocarpum, Euphorbia drummondii, Sida corrugata, Tetragonia moorei, Tetragonia tetragonoides.* Flora present include *Medicago polymorpha, Sonchus oleraceus* and *Tribulus terrestris.* Large areas of bare ground is present with very little leaf litter. *Austrostipa nullanulla* is present in thick patches across the exposed gypsum substrate.
Condition	This community occurs in a moderate condition-state within the Development Footprint – Mine Site. Drought and long-term land clearing and overgrazing by both domestic sheep and feral goats, have prevented regeneration of key species, causing a degraded condition throughout this community. This vegetation zone is heavily impacted by rabbit activity.



Photograph 15: PCT 253 - Moderate

3.2.13 Vegetation Community 13 – PCT 254

Table 19: Vegetation Community 13

PCT	254 Black Oak - Bladder Saltbush on light clays in the arid zone
Vegetation Formation	Arid Shrublands (Chenopod sub-formation)
Vegetation Class	Riverine Chenopod Shrublands
Land Zones & Area	1.16 ha within the Development Footprint - Mine Site
EEC Status	Not listed
Clearing Extent	10%
Vegetation Zones	1.16 ha Moderate Condition (MS-VZ#14-254_Mod) within the Development Footprint - Mine Site.
Number of Plots	1 (Required – 1)
Plot Numbers	137
Location	The PCT is present in degraded condition over a small patch of the western portion of the Mine Site of the Development Footprint.
Description	**Moderate Condition 254** **Canopy:** Canopy cover consists of *Alectryon oleifolius* and *Casuarina pauper* **Shrub layer:** The shrub layer is dominated with *Maireana pyramidata* with the presence of *Atriplex vesicaria, Maireana appressa, Maireana pentatropis, , Sclerolaena patenticuspis* and another unidentified *Sclerolaena spp.* **Ground layer:** Ground cover is sparce in most areas and consists of the grass *Austrostipa scabra* and forb *Boerhavia domini*. Leaf litter is present with *Boerhavia domini* interconnecting between shrubs.
Condition	This community occurs in a degraded moderate integrity condition due to historic land clearing and overgrazing by feral goats. Patches of bare earth are scattered within the community as a result of rabbit activity, domestic grazing animals, and Kangaroos. Feral goats have had a large negative impact on the vegetation in this zone and have prevented regeneration throughout.



Photograph 16: PCT 254 - Moderate

3.3 Justification of PCTs and Vegetation Zones

The PCT filter tool within the BioNet Vegetation Classification Database was used to identify potential PCTs. IBRA region, subregion, vegetation formation and dominant species were added to refine PCT selection. In addition, landscape positioning, soils and topography were also used to determine best fit PCTs.

3.3.1 PCT 28 - White Cypress Pine open woodland of sand plains, prior streams and dunes mainly of the semi-arid (warm) climate zone

Table 20 below shows the justification for selecting PCT 28 as being present on the Subject Land and within the Development Footprint.

This community has the necessary diagnostic features, substrate and landscape position to enable positive identification within the Development Footprint. This includes being located with the Wentworth LGA, having a canopy dominated by *Callitris glaucophylla* and a ground stratum dominated by *Enchylaena tomentosa* and *Dissocarpus paradoxus.*

Table 20: Justification of PCT 28 selection

PCT 28 - White Cypress Pine open woodland of sand plains, prior streams and dunes mainly of the semi-arid (warm) climate zone		
Justification of PCT selection	**Search Term**	Selection
	Plot numbers	1 & 2
	IBRA Bioregion	Murray Darling Depression (136 options)
	IBRA Sub-region	South Olary Plain (72 options)
	Vegetation Formation	Semi-arid Woodlands (Shrubby sub-formation) (22 options)
	Upper Stratum Species	White Cypress Pine (*Callitris glaucophylla*) (12 options)
	Long List	19, 20, 28, 57, 72, 104, 105, 106, 134, 172, 173, 631
	LGA	Wentworth
	Short List	28, 172, 631 (3 options)
	Ground Stratum Species	*Enchylaena tomentosa* and *Dissocarpus paradoxus*
	Selection	PCT 28

PCT 172 was excluded as an option because this community is not represented by mallee shrubland or open shrubland with a whipstick habit. It also does not occur on deep, non-calcareous red sands. While PCT 631 is very closely aligned to PCT 28, the community also includes an association with Western Rosewood (*Alectryon oleifolius* subsp. *canescens*) and a range of mistletoes. The ground cover of PCT 631 is also sparse or very sparse and is conspicuous with the dominance of Porcupine Grass (Spinifex) *Triodia scariosa* subsp. *Scariosa*,

which is absent from the subject community. Based on the floristics, soil and landscape characteristics, the community was assigned PCT 28.

3.3.2 PCT 58 Black Oak - Western Rosewood open woodland on deep sandy loams mainly in the Murray Darling Depression Bioregion

Table 21 below shows the justification for selecting PCT 58 as being present on the Subject Land and within the Development Footprint.

This community has the necessary diagnostic features, substrate and landscape position to enable positive identification within the Development Footprint. This includes being located within the Wentworth LGA, having a canopy dominated by *Casuarina pauper* and *Alectryon oleifolius* and a ground stratum dominated by *Sclerolaena diacantha.*

Table 21: Justification of PCT 58 selection

PCT 58 Black Oak – Western Rosewood open woodland on deep sandy loams mainly in the Murray Darling Depression Bioregion		
Justification of PCT selection	**Search Term**	Selection
	Plot numbers	18,16,15,13,14,17,10,6,8,4,12,9,7,5,11,19,3,20,21,22
	IBRA Bioregion	Murray Darling Depression
	IBRA Sub-region	South Olary Plain
	Vegetation Formation	Semi-arid Woodlands (Shrubby sub-formation) (22 options)
	Upper Stratum Species	*Casuarina pauper; Alectryon oleifolius*
	Long List	23, 29, 35, 87, 118, 120, 170, 139, 198, 216, 221, 252, 454, 466
	Ground Stratum Species	*Sclerolaena diacantha*
	Short List	58, 170, 221, 252
	Selection	PCT 58

PCT 58 has mid-high (about 7 m high) low open woodland or isolated clumps of trees dominated by Black Oak (*Casuarina pauper*) and Western Rosewood (*Alectryon oleifolius* subsp. *canescens*) with either a shrubby or grassy understorey. Across the Assessment Area these two tree species often form clumps and may or may not mix. This can be distinguished from PCT 170 by the absence of Mallee trees and White Cypress Pine (*Callitris glaucophylla*). The community is also separated from PCT 221 by the presence and/or dominance of Western Rosewood, which is more common in PCT 58. Can be distinguished from PCT 252 by the absence of Sugarwood (*Myoporum platycarpum*).

3.3.3 PCT 64 Samphire - Water Weed - Sea-Heath shrubland saline wetland of depressions of the arid and semi-arid.

Table 22 below shows the justification for selecting PCT 64 as being present on the Subject Land and within the Development Footprint.

This community has the necessary diagnostic features, substrate and landscape position to enable positive identification within the Development Footprint. This includes being located within the Wentworth LGA, no canopy layer and a mid-layer dominated by *Tecticornia sp.*

Table 22: Justification of PCT 64 Selection

PCT 64 Samphire - Water Weed - Sea-Heath shrubland saline wetland of depressions of the arid and semi-arid		
Justification of PCT selection	**Search Term**	Selection
	Plot numbers	26,23,27,28,25,29,24
	IBRA Bioregion	Murray Darling Depression (136)
	IBRA Sub-region	South Olary Plain (72 options)
	Vegetation Formation	Saline Wetlands (6)
	Upper Stratum Species	None
	Long List	63, 64, 65, 166
	Mid Stratum Species	*Halosarcia sp.*
	Selection	PCT 64

PCT 64 is generally found in the centre of lake beds, whereas PCT 63 is mainly found on the edges. Additionally, PCT 63 is also dominated by Lignum (*Muehlenbeckia florulenta*) and Black Bluebush (*Maireana pyramidata*) while PCT 64 is dominated by a range of *Tecticornia* spp. and several other middle and ground stratum species.

PCT 65 is a TEC and characterised by *Tecticornia lylei* on low, open shrubland saline wetland of arid and semi-arid regions, however, the *Tecticornia lylei* species was searched for in and around the salt lakes but not recorded within the Assessment Area.

3.3.4 PCT 143 Narrow-leafed Hopbush - Scrub Turpentine - Senna shrubland on semi-arid and arid sandplains and dunes

Table 23 below shows the justification for selecting PCT 143 as being present on the Subject Land and within the Development Footprint.

This community has the necessary diagnostic features, substrate and landscape position to enable positive identification within the Development Footprint. This includes being located within the Wentworth LGA, with an open shrubland to 4 m high dominated by Narrow-leaved Hopbush (*Dodonaea viscosa* subsp. *angustissima*), Turpentine (*Eremophila sturtii*) and various sub-species of *Senna artemisioides* often with Mulga (*Acacia aneura*), *Olearia pimeleoides*, Black Bluebush (*Maireana pyramidata*) and Thorny Saltbush (*Rhagodia spinescens*). The ground layer is dominated by *Enchylaena tomentosa* and *Dissocarpus paradoxus.*

Table 23: Justification of PCT 143 selection

PCT 143 Narrow-leafed Hopbush – Scrub Turpentine – Senna shrubland on semi-arid and arid sandplains and dunes		
Justification of PCT selection	**Search Term**	Selection
	Plot numbers	30,34,31
	IBRA Bioregion	Murray Darling Depression
	IBRA Sub-region	South Olary Plain
	Vegetation Formation	Arid Shrublands (Acacia sub-formation)
	Long List	119, 123, 124, 128, 139, 143, 199, 215, 220
	LGA	Wentworth
	Short List	119, 139, 143, 199
	Ground Species	*Enchylaena tomentosa; Dissocarpus paradoxus*
	Selection	PCT 143

Can be distinguished from PCT 119 as this community is dominated by Mulga (*Acacia aneura*) often with Black Oak (*Casuarina pauper*), Sandhill Wattle (*Acacia ligulata*) and woody native regrowth species such as Turpentine Bush (*Eremophila sturtii*) and Punty Bush (*Senna* form taxon '*filifolia*'). PCT 139 includes tall open shrubland dominated by Prickly Wattle (*Acacia victoriae*), Narrow-leaved Hopbush (*Dodonaea viscosa* subsp. *angustissima*) which is absent from the subject community. The community is not dominated by Hooked Needlewood (*Hakea tephrosperma*) or Needlewood (*Hakea leucoptera*) which are characteristic species of PCT 199.

3.3.5 PCT 152 Lunette chenopod shrubland mainly of the Murray Darling Depression Bioregion

Table 24 below shows the justification for selecting PCT 152 as being present on the Subject Land and within the Development Footprint.

This community has the necessary diagnostic features, substrate and landscape position to enable positive identification within the Development Footprint. This includes a vegetation formation of Arid Shrublands (Chenopod sub-formation), located within the Wentworth LGA, having a canopy dominated by *Callitris glaucophylla*.

Table 24: Justification of PCT 152 selection

PCT 152 Lunette chenopod shrubland mainly of the Murray Darling Depression Bioregion		
Justification of PCT selection	**Search Term**	Selection
	Plot numbers	40,36,41,35,38,39,37
	IBRA Bioregion	Murray Darling Depression
	IBRA Sub-region	South Olary Plain
	Vegetation Formation	Arid Shrublands (Chenopod sub-formation)
	LGA	Wentworth
	Long List	152, 153, 154, 157, 159, 163, 196, 216, 254
	Upper Stratum Species	*Callitris glaucophylla*
	Selection	PCT 152

3.3.6 PCT 154 Pearl Bluebush low open shrubland of the arid and semi-arid plains

Table 25 below shows the justification for selecting PCT 154 as being present on the Subject Land and within the Development Footprint.

This community has the necessary diagnostic features, substrate and landscape position to enable positive identification within the Development Footprint. This includes a vegetation formation of Arid Shrublands (Chenopod sub-formation), being located within the Wentworth LGA, having an upper stratum dominated by *Alectryon oleifolius subsp. Canescens, Myoporum montanum,* and a mid-stratum dominated by *Maireana sedifolia.*

Table 25: Justification of PCT 154 Selection

PCT 154 Pearl Bluebush low open shrubland of the arid and semi-arid plains		
Justification of PCT selection	**Search Term**	Selection
	Plot numbers	45,58,47,57,59,48,60,74,75,46,49,61,63, 56,42,43,62,44,52,67,53,64,55,65,51,72, 66,54,69,70,71,68,50,78,79,80,81,82,83
	IBRA Bioregion	Murray Darling Depression
	IBRA Sub-region	South Olary Plain
	Vegetation Formation	Arid Shrublands (Chenopod sub-formation)
	LGA	Wentworth
	Long List	152, 153, 154, 157, 159, 163, 196, 216, 254
	Mid Stratum Species	*Maireana sedifolia*
	Short List	153, 154, 157, 196, 254
	Upper Stratum	*Alectryon oleifolius subsp. Canescens, Myoporum montanum,*
	Selection	PCT 154

PCT 153 was removed from the short list because the community does not contain mid-high open shrubland generally less than one meter high dominated by Black Bluebush (*Maireana pyramidata*). Similarly, PCT 157 was removed because the community does not contain open to sparse chenopod shrubland dominated by Bladder Saltbush (*Atriplex vesicaria*) often with Desert Glasswort (*Pachycornia triandra*). PCT 196, while a low growing community, was also removed due to the absence of Australian Boxthorn (*Lycium australe*) in the subject community.

The absence of woodland containing Black Oak (*Casuarina pauper*) also resulted in the removal of PCT 254 from the short list, resulting in a final choice of PCT 154.

3.3.7 PCT 157 Bladder Saltbush shrubland in the semi-arid (warm) zone including Riverina Bioregion

Table 26 below shows the justification for selecting PCT 157 as being present on the Subject Land and within the Development Footprint.

This community has the necessary diagnostic features, substrate and landscape position to enable positive identification within the Development Footprint. This includes an Arid Shrublands - Chenopod sub-formation, located within the Wentworth LGA, having a canopy dominated by *Casuarina pauper* and a mid-stratum dominated by *Maireana pyramidata.*

Table 26: Justification of PCT 157 Selection

PCT 157 Bladder Saltbush shrubland in the semi-arid (warm) zone including Riverina Bioregion		
Justification of PCT selection	**Search Term**	Selection
	Plot numbers	94,95
	IBRA Bioregion	Murray Darling Depression
	IBRA Sub-region	South Olary Plain
	Vegetation Formation	Arid Shrublands (Chenopod sub-formation)
	LGA	Wentworth
	Long List	94, 95, 152, 153, 154, 157, 159, 163, 196, 216, 254
	Upper Stratum Species	Casuarina pauper
	Medium List	153, 154, 157, 196, 254
	Description	Low to 90 cm high
	Short List	157, 254
	Mid stratum species	*Maireana pyramidata*
	Selection	PCT 157

Only one other PCT was shortlisted which included PCT 254. This community was excluded due to its characteristic woodland community type dominated by Black Oak (*Casuarina paupe*r), features which are not present in the subject community. Final analyses determined that the most appropriate community type was PCT 157.

3.3.8 PCT 170 Chenopod sandplain mallee woodland/shrubland

Table 27 below shows the justification for selecting PCT 170 as being present on the Subject Land and within the Development Footprint.

This community has the necessary diagnostic features, substrate and landscape position to enable positive identification within the Development Footprint. This includes having a Semi-arid Woodlands - Shrubby sub-formation, being located within the Wentworth LGA, having a canopy dominated by *Eucalyptus dumosa* and a mid-stratum dominated by *Maireana sedifolia,* and ground layer of *Dissocarpus paradoxus.*

Table 27: Justification of PCT 170 Selection

PCT 170 Chenopod sandplain mallee woodland/shrubland		
Justification of PCT selection	**Search Term**	Selection
	Plot numbers	98,101,102,103,104,105,106
	IBRA Bioregion	Murray Darling Depression
	IBRA Sub-region	South Olary Plain
	Vegetation Formation	Semi-arid Woodlands (Shrubby sub-formation)
	Upper Stratum Species	*Eucalyptus dumosa*
	Long List	170, 171, 172, 221, 631
	Mid Stratum Species	*Maireana sedifolia*
	Short List	170, 221
	Ground Stratum Species	*Dissocarpus paradoxus*
	Selection	PCT 170

Only one other PCT was shortlisted which included PCT 221. This community was excluded due to the absence of a woodland community dominated by Black Oak (*Casuarina pauper*). The subject community also contained an upper stratum of *Eucalyptus* spp.

3.3.9 PCT 171 Spinifex linear dune mallee mainly of the Murray Darling Depression Bioregion

Table 28 below shows the justification for selecting PCT 171 as being present on the Subject Land and within the Development Footprint.

This community has the necessary diagnostic features, substrate and landscape position to enable positive identification within the Development Footprint. This includes being located within the Wentworth LGA, having a canopy dominated by *Eucalyptus dumosa* and a mid-stratum dominated by *Maireana pentatropis* and a ground layer dominated by *Vittadinia cuneata, Triodia scariosa subsp. Scariosa.*

Table 28: Justification of PCT 171 Selection

PCT 171 Spinifex linear dune mallee mainly of the Murray Darling Depression Bioregion		
Justification of PCT selection	**Search Term**	Selection
	Plot numbers	110,109,108,112,113,114,115
	IBRA Bioregion	Murray Darling Depression
	IBRA Sub-region	South Olary Plain
	Vegetation Formation	Semi-arid Woodlands (Shrubby sub-formation) (22 options)
	Upper Stratum Species	*Eucalyptus dumosa*
	Long List	170, 171, 172, 221, 631
	Mid Stratum Species	*Maireana pentatropis*
	Short List	170, 171, 631
	Ground Stratum Species	*Vittadinia cuneata, Triodia scariosa subsp. scariosa*
	Selection	PCT 171

Although both PCT 171 and 170 contain a mix of Mallee species in the upper stratum, PCT 170 can be excluded due to the absence of *Triodia scariosa* subsp. *scariosa* in the ground stratum. PCT 631 was also excluded because it is an open woodland community with White Cypress Pine (*Callitris glaucophylla*) with Western Rosewood (*Alectryon oleifolius* subsp. *canescens*). Based on the analyses, PCT 171 was selected as the most appropriate PCT.

3.3.10 PCT 215 Woollybutt Grass open grassland on red earths of the inland plains

Table 29 below shows the justification for selecting PCT 215 as being present on the Subject Land and within the Development Footprint.

This community has the necessary diagnostic features, substrate and landscape position to enable positive identification within the Development Footprint. This includes having an Arid Shrublands - Acacia sub-formation, described as a Mid-high open tussock grassland, being located within the Wentworth LGA, and a ground stratum dominated by *Sclerolaena patenticuspis.*

Table 29: Justification of PCT 215 Selection

PCT 215 Woollybutt Grass open grassland on red earths of the inland plains		
Justification of PCT selection	**Search Term**	Selection
	Plot numbers	116,118,117, 119
	IBRA Bioregion	Murray Darling Depression
	IBRA Sub-region	South Olary Plain
	Vegetation Formation	Arid Shrublands (Acacia sub-formation)
	Long List	119, 123, 124, 128, 139, 143, 199, 215, 220
	Ground Stratum Species	*Sclerolaena patenticuspis*
	Short List	128, 215, 220
	Description	Mid-high open tussock grassland
	Selection	PCT 215

PCT 215 is a mid-high open tussock grassland or forbland dominated by Woollybutt (*Eragrostis eriopoda*) with Bottlewasher (*Enneapogon intermedius*), Curly Mitchell Grass (*Astrebla lappacea*), *Eriochloa australiensis* and Speargrass (*Austrostipa nitida*). Scattered shrubs of Mulga (*Acacia aneura*), Prickly Wattle (*Acacia victoriae* subsp. *arida*) and Narrow-leaved Hopbush (*Dodonaea viscosa* subsp. *angustissima*) occur. Alternatively, the short-listed PCT 128 is more an open shrubland up to 8 m dominated by Neila (*Acacia loderi*) occurring with low trees of Black Oak (*Casuarina pauper*) with clumps of Western Rosewood (*Alectryon oleifolius*) and Leopardwood (*Flindersia maculata*). Similarly, PCT 220 is dominated by stands of Purple Wood (*Acacia carneorum*) often with Black Bluebush (*Maireana pyramidata*) and sometimes with Mulga (*Acacia aneura*), Black Oak (*Casuarina pauper*) or Western Rosewood (*Alectryon oleifolius* subsp. *canescens*). Based on the above diagnosis the selected community was PCT 215.

3.3.11 PCT 221 Black Oak - Pearl Bluebush open woodland of the sandplains of the semi-arid warm and arid climate zones

Table 30 below shows the justification for selecting PCT 221 as being present on the Subject Land and within the Development Footprint.

This community has the necessary diagnostic features, substrate and landscape position to enable positive identification within the Development Footprint. This includes having a Semi-arid Woodlands - Shrubby sub-formation, being located within the Wentworth LGA, having a canopy dominated by *Casuarina pauper* and *Alectryon oleifolius subsp. canescens,* a mid-stratum of *Maireana sedifolia* and a ground stratum dominated by *Sclerolaena diacantha.*

Table 30: Justification of PCT 221 Selection

PCT 221 Black Oak – Pearl Bluebush open woodland of the sandplains of the semi-arid warm and arid climate zones		
Justification of PCT selection	**Search Term**	Selection
	Plot numbers	126,124,123,125,122,120,121, 128, 129
	IBRA Bioregion	Murray Darling Depression
	IBRA Sub-region	South Olary Plain
	Vegetation Formation	Semi-arid Woodlands (Shrubby sub-formation)
	Upper Stratum Species	*Casuarina pauper; Alectryon oleifolius subsp. canescens*
	Long List	58, 170, 221, 252
	Mid Stratum Species	*Maireana sedifolia*
	Short List	170, 221
	Ground Stratum	*Sclerolaena diacantha*
	Selection	PCT 221 (is a high open woodland)

Only one other community was short listed for consideration which was PCT 170. This PCT was excluded due to the absence of Mallee species in the subject community which is dominated by Black Oak (*Casuarina pauper*) and Western Rosewood (*Alectryon oleifolius subsp. canescens*). Final selection was therefore PCT 221.

3.3.12 PCT 253 Gypseous shrubland on rises in the semi-arid and arid plains.

Table 31 below shows the justification for selecting PCT 253 as being present on the Subject Land and within the Development Footprint.

This community has the necessary diagnostic features, substrate and landscape position to enable positive identification within the Development Footprint. This includes being located on a Gypsum rise, within the Wentworth LGA, having no canopy layer, and a ground stratum dominated by *Austrostipa nullanulla*, a spear-grass.

Table 31: Justification of PCT 253 Selection

PCT 253 Gypseous shrubland on rises in the semi-arid and arid plains		
Justification of PCT selection	**Search Term**	Selection
	Plot numbers	134,133,130,132,131,135,136
	IBRA Bioregion	Murray Darling Depression
	IBRA Sub-region	South Olary Plain
	Vegetation Formation	Semi-arid Woodlands (Shrubby sub-formation)
	Long List	18, 63, 64, 65, 166, 253
	Soil	Occurs on gypsum and gypseous clays
	Short list	63, 253
	Ground Stratum	*Austrostipa nullanulla*
	Selection	PCT 253

PCT 253 contains open or sparse low shrubland that often contains Fleshy Minuria (*Kippistia suaedifolia*). Other species present from VI plot results include the shrub Black Bluebush (*Maireana pyramidata*) and Narrow-leaved Hopbush (*Dodonaea viscosa* subsp*. angustissima*). Bladder Saltbush (*Atriplex vesicaria*) and Nulla Nulla Grass (*Austrostipa nullanulla*) are also associated with this community which occurs on the western side of the gypseous areas associated with the Salt Lake. Although PCT 63 occurs on lake edges, similar to PCT 253, and in the arid climatic zone, the community is dominated by Lignum (*Muehlenbeckia florulenta*) and Black Bluebush (*Maireana pyramidata*) which were largely absent.

3.3.13 PCT 254 Black Oak - Bladder Saltbush on light clays in the arid zone

Table 32 below shows the justification for selecting PCT 254 as being present on the Subject Land and within the Development Footprint.

This community has the necessary diagnostic features, substrate and landscape position to enable positive identification within the Development Footprint. This includes being located within the Wentworth LGA, having a canopy dominated by *Casuarina pauper,* a low midstory structure and a ground stratum dominated by *Sclerolaena patenticuspis.*

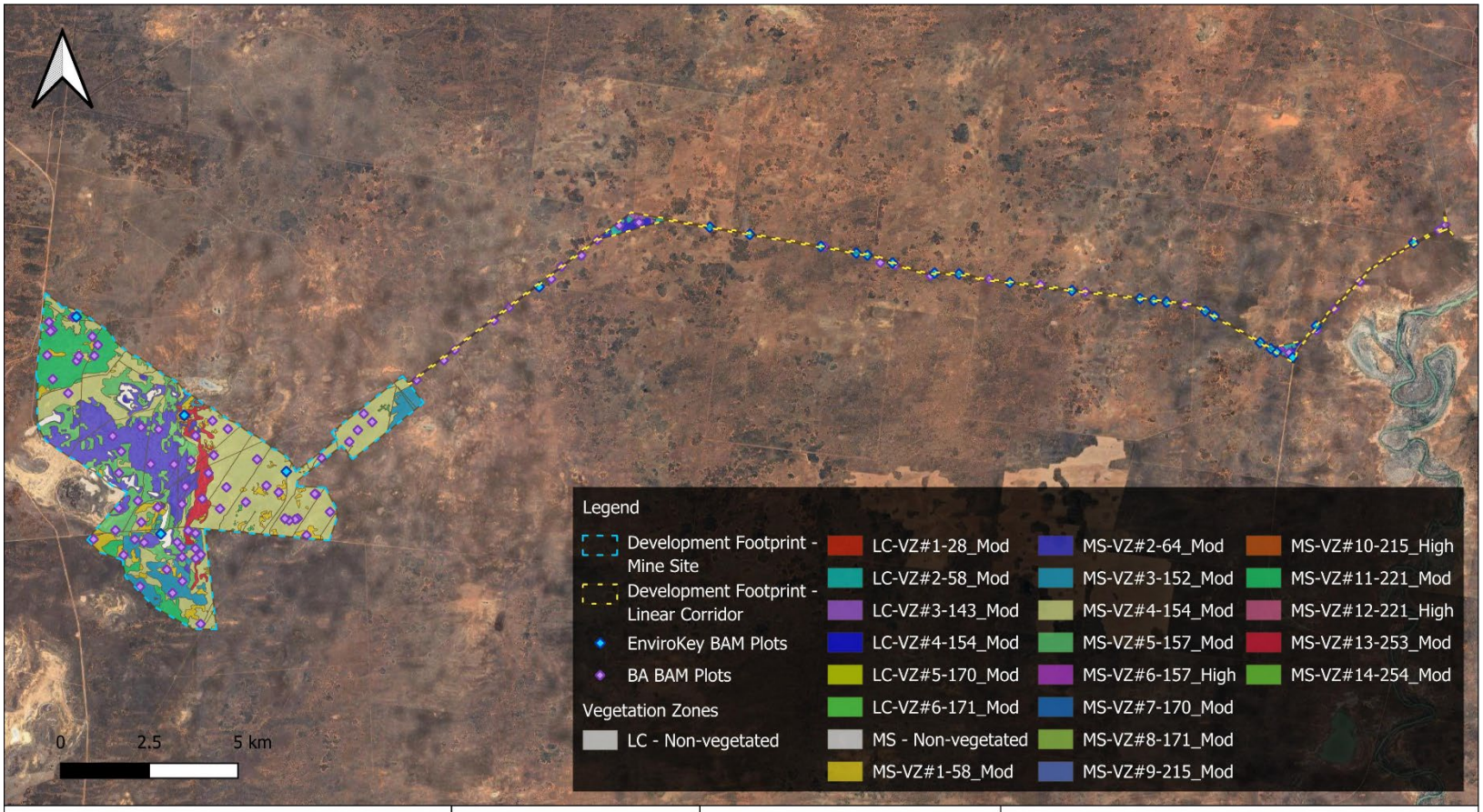
Table 32: Justification of PCT 254 Selection

PCT 254 Black Oak - Bladder Saltbush on light clays in the arid zone		
Justification of PCT selection	**Search Term**	Selection
	Plot numbers	137
	IBRA Bioregion	Murray Darling Depression
	IBRA Sub-region	South Olary Plain
	Vegetation Formation	Arid Shrublands (Chenopod sub-formation)
	LGA	Wentworth
	Long List	152, 153, 154, 157, 159, 163, 196, 216, 254
	Upper Stratum Species	*Casuarina pauper*
	Short List	153, 154, 157, 196, 254
	Vegetation Description	Low
	Short list	157, 254
	Ground Stratum	*Sclerolaena patenticuspis*
	Selection	PCT 254

The vegetation description for PCT 157 does not include the presence of *Casuarina pauper*, although the Species by Stratum does include it within the upper stratum. Areas dominated by *Casuarina pauper* have therefore been assigned to PCT 254. The community is observed on the far south-western edge of the south-western plain of NSW often near saline lakes. There is a sub-association to the widespread PCT 157 on alluvium association, hence the shortlisting with this community type.

3.4 Vegetation Zones and Integrity Scores

VI assessments were undertaken within the Development Footprint in accordance with BAM 2020. Refer to Figure 35 for Vegetation Zones and BAM VI plot locations. The VI scores are shown in Table 33 for the Mine Site and Table 34 for the Linear Corridor. Vegetation Zones, VI scores and all plot names and numbers are listed in Table 35.

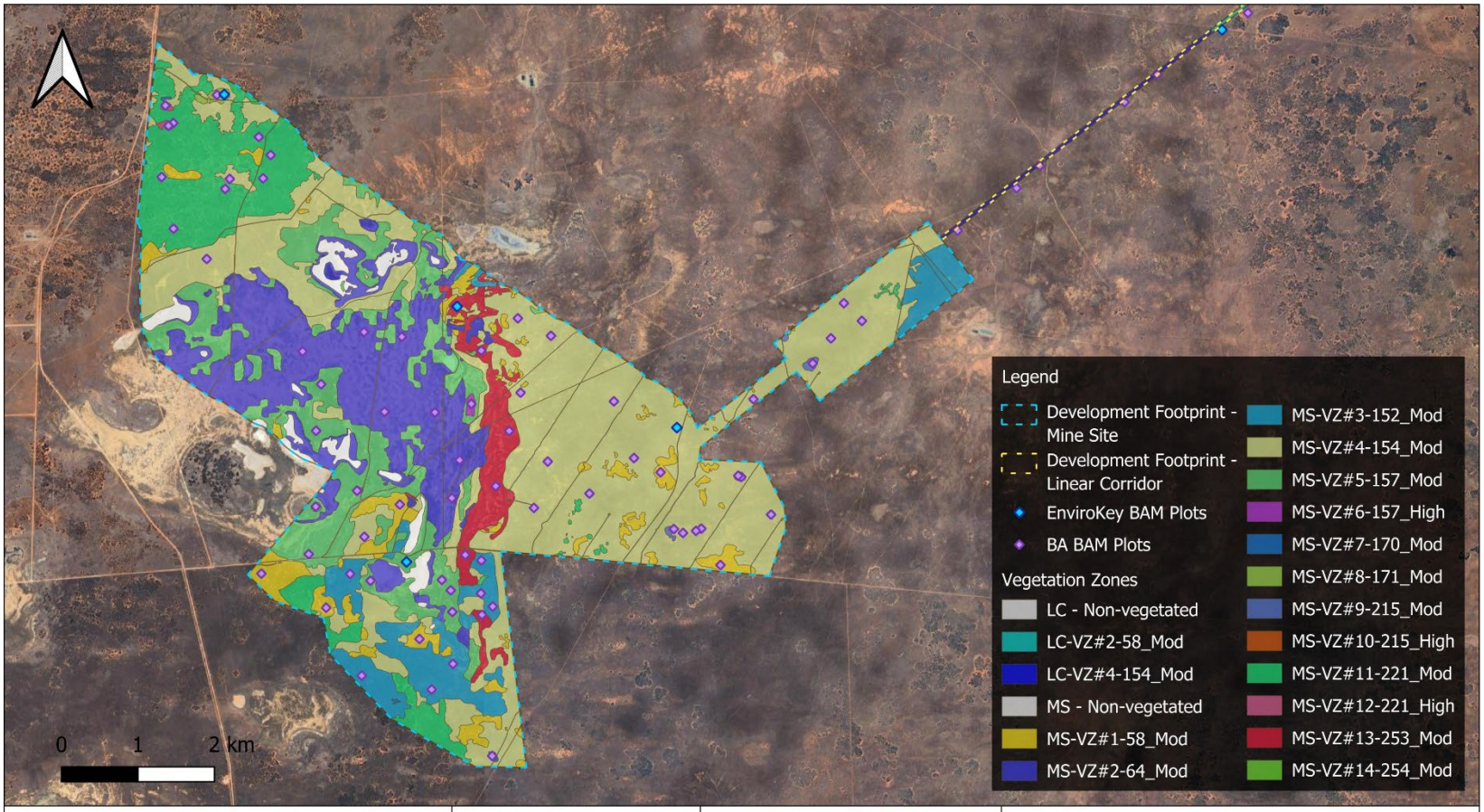


This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Vegetation Zones and Plot locations – Development Footprint	Biodiversity AUSTRALIA	
	Drawn by: NE	Location: Warwick Station		
	Date: November 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
				Scale: 1:140000

Figure 35: Vegetation Zones and VI Plot locations – Development Footprint

Table 33: Vegetation Zone and Vegetation integrity Score, Development Footprint – Mine Site

Vegetation Community	MS Vegetation Zone	Condition Class	No. of plots	Patch Size	Area Impacted (ha)	VI Composition	VI Structure	VI Function	VI Total
58	MS-VZ#1-58_Mod	Mod	20	≥100 ha	189.82	45.3	62.8	54.9	53.8
64	MS-VZ#2-64_Mod	Mod	7	≥100 ha	641.45	43.1	57.8	-	49.9
152	MS-VZ#3-152_Mod	Mod	7	≥100 ha	249.82	65	38.1	-	49.8
154	MS-VZ#4-154_Mod	Mod	42	≥100 ha	1564.73	84.9	13.8	-	34.2
157	MS-VZ#6-157_High	High	2	≥100 ha	3.58	65.6	90.5	-	77.1
157	MS-VZ#5-157_Mod	Mod	8	≥100 ha	492.12	52.5	93.4	-	70
170	MS-VZ#7-170_Mod	Mod	7	≥100 ha	1.98	45.5	16.2	24.1	26.1
171	MS-VZ#8-171_Mod	Mod	7	≥100 ha	5.57	76.1	75.2	43.6	63
215	MS-VZ#10-215_High	High	1	≥100 ha	0.82	43.3	23.1	-	31.6
215	MS-VZ#9-215_Mod	Mod	3	≥100 ha	5.07	14.7	27.6	-	20.1
221	MS-VZ#12-221_High	High	2	≥100 ha	3.12	52.2	81.9	55.6	62
221	MS-VZ#11-221_Mod	Mod	7	≥100 ha	391.85	31.4	69.1	86.9	57.3
253	MS-VZ#13-253_Mod	Mod	7	≥100 ha	140.14	43.2	68.1	-	54.3
254	MS-VZ#14-254_Mod	Mod	1	≥100 ha	1.16	45.2	81.1	-	60.5

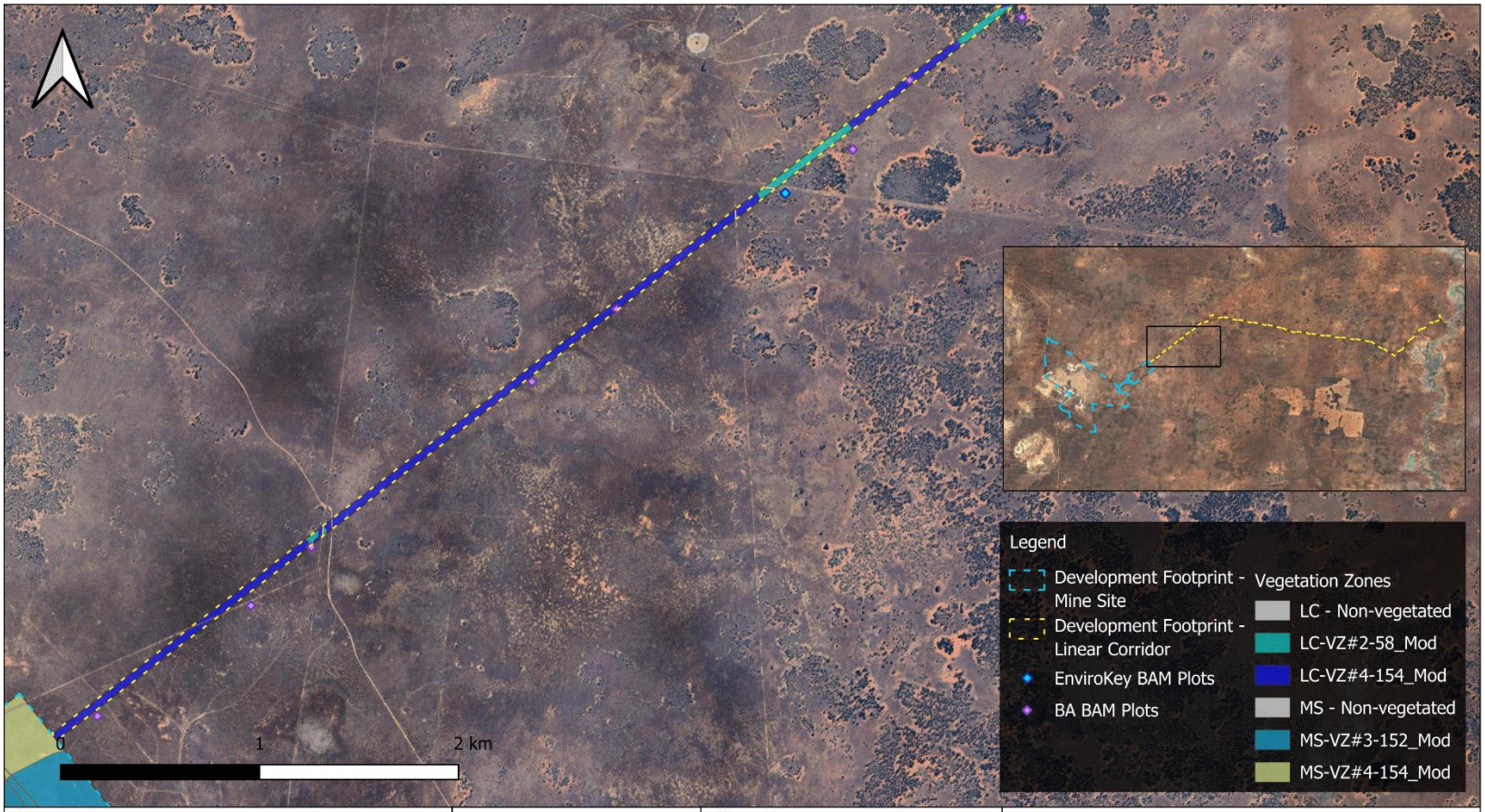


This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Vegetation Zones and Plot locations – Development Footprint – Mine Site	Biodiversity AUSTRALIA	
	Drawn by: NE	Location: Warwick Station		
	Date: November 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
				Scale: 1:65000

Figure 36: Vegetation Zones and VI Plot locations – Development Footprint – Mine Site

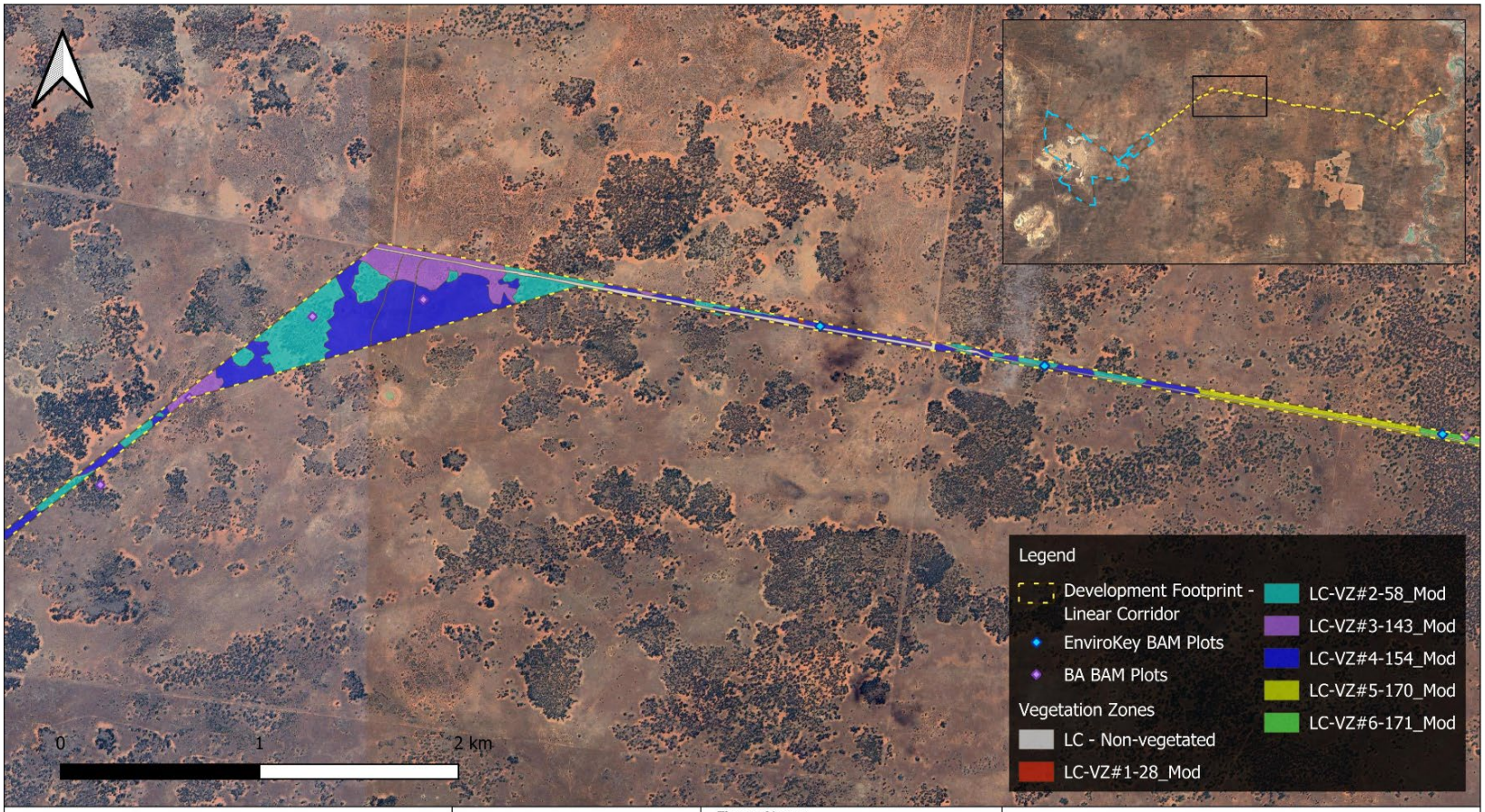
Table 34: Vegetation Zone and Vegetation integrity, Development Footprint – Linear Corridor

Vegetation Community	LC Vegetation Zone	Condition Class	No. of plots	Patch Size	Area Impacted	VI Composition	VI Structure	VI Function	VI Total
28	LC-VZ#1-28_Mod	Mod	2	≥100 ha	0.77	80.8	94.2	21.4	54.6
58	LC-VZ#2-58_Mod	Mod	20	≥100 ha	48.82	45.3	62.8	54.9	53.8
143	LC-VZ#3-143_Mod	Mod	3	≥100 ha	17.2	71.5	89.9	-	80.2
154	LC-VZ#4-154_Mod	Mod	42	≥100 ha	102.09	84.9	13.8	-	34.2
170	LC-VZ#5-170_Mod	Mod	7	≥100 ha	13.6	45.5	16.2	24.1	26.1
171	LC-VZ#6-171_Mod	Mod	7	≥100 ha	6.56	76.1	75.2	43.6	63



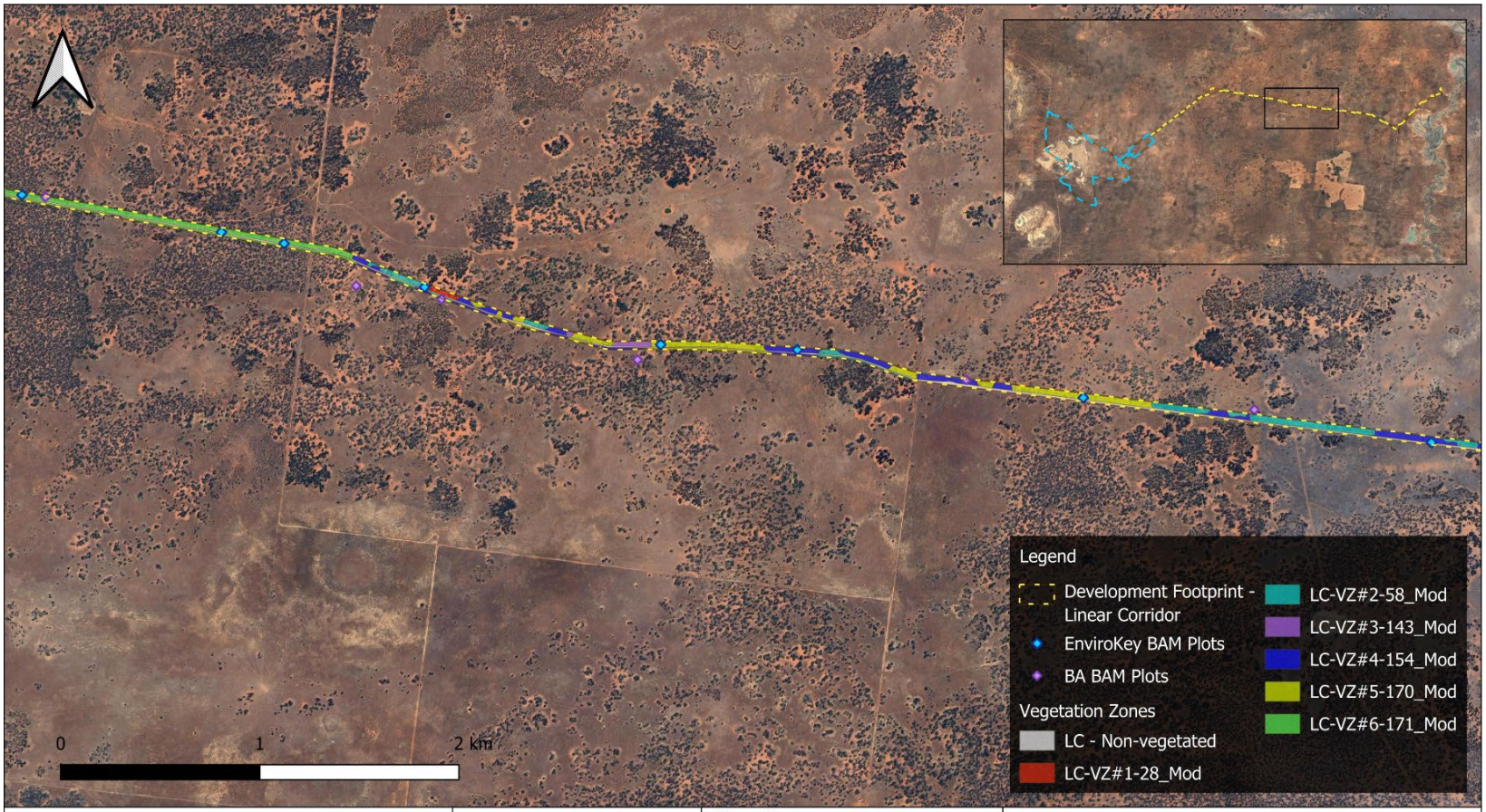
This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Vegetation Zones and Plot locations – Development Footprint – Linear Corridor 1/5	Biodiversity AUSTRALIA
	Drawn by: NE	Location: Warwick Station	
	Date: November 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872
			Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:25000

Figure 37: Vegetation Zones and VI Plot locations – Development Footprint – Linear Corridor 1 / 5



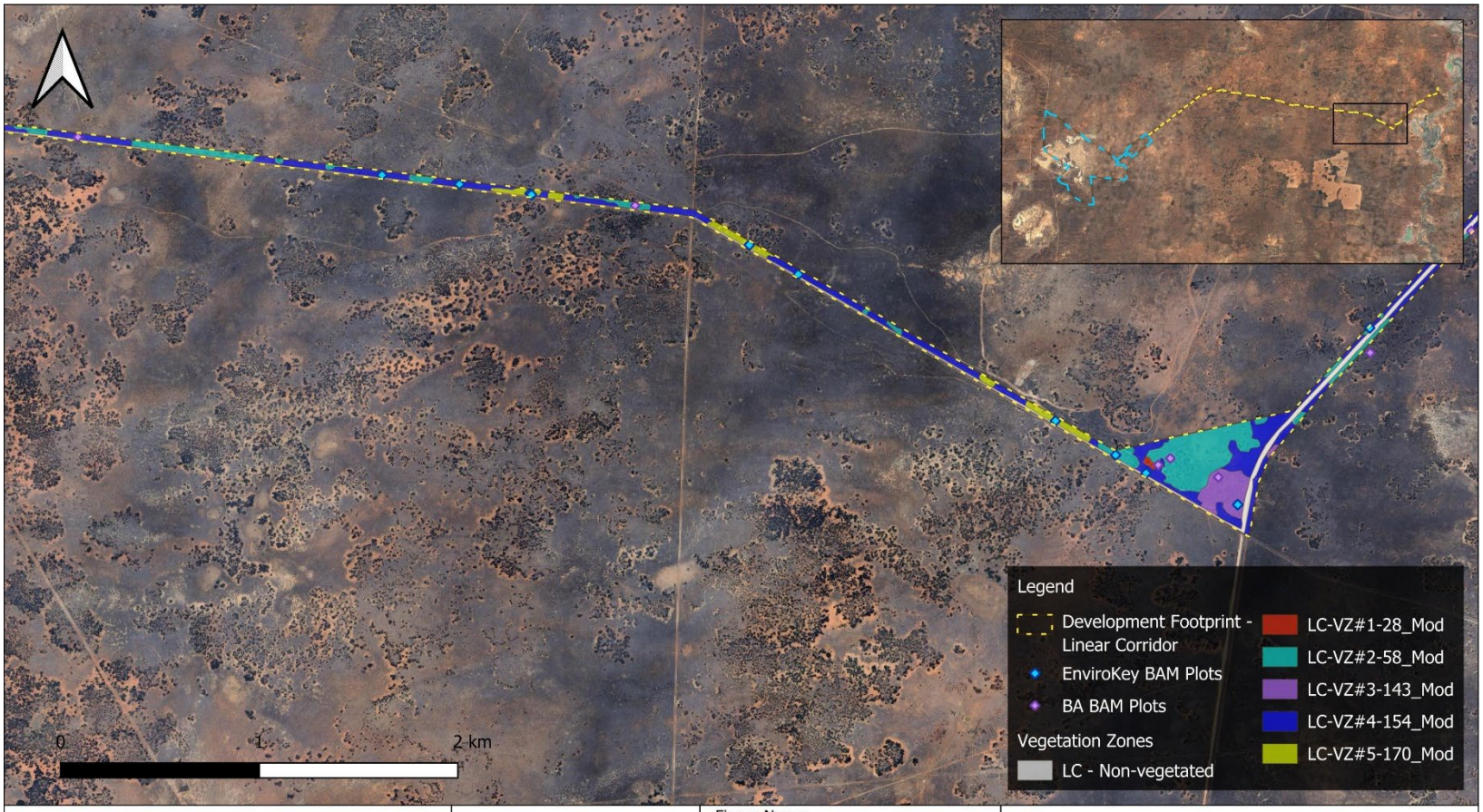
This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Vegetation Zones and Plot locations – Development Footprint – Linear Corridor 2/5	Biodiversity AUSTRALIA
	Drawn by: NE	Location: Warwick Station	
	Date: November 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872
			Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:25000

Figure 38: Vegetation Zones and VI Plot locations - Development Footprint - Linear Corridor 2 / 5



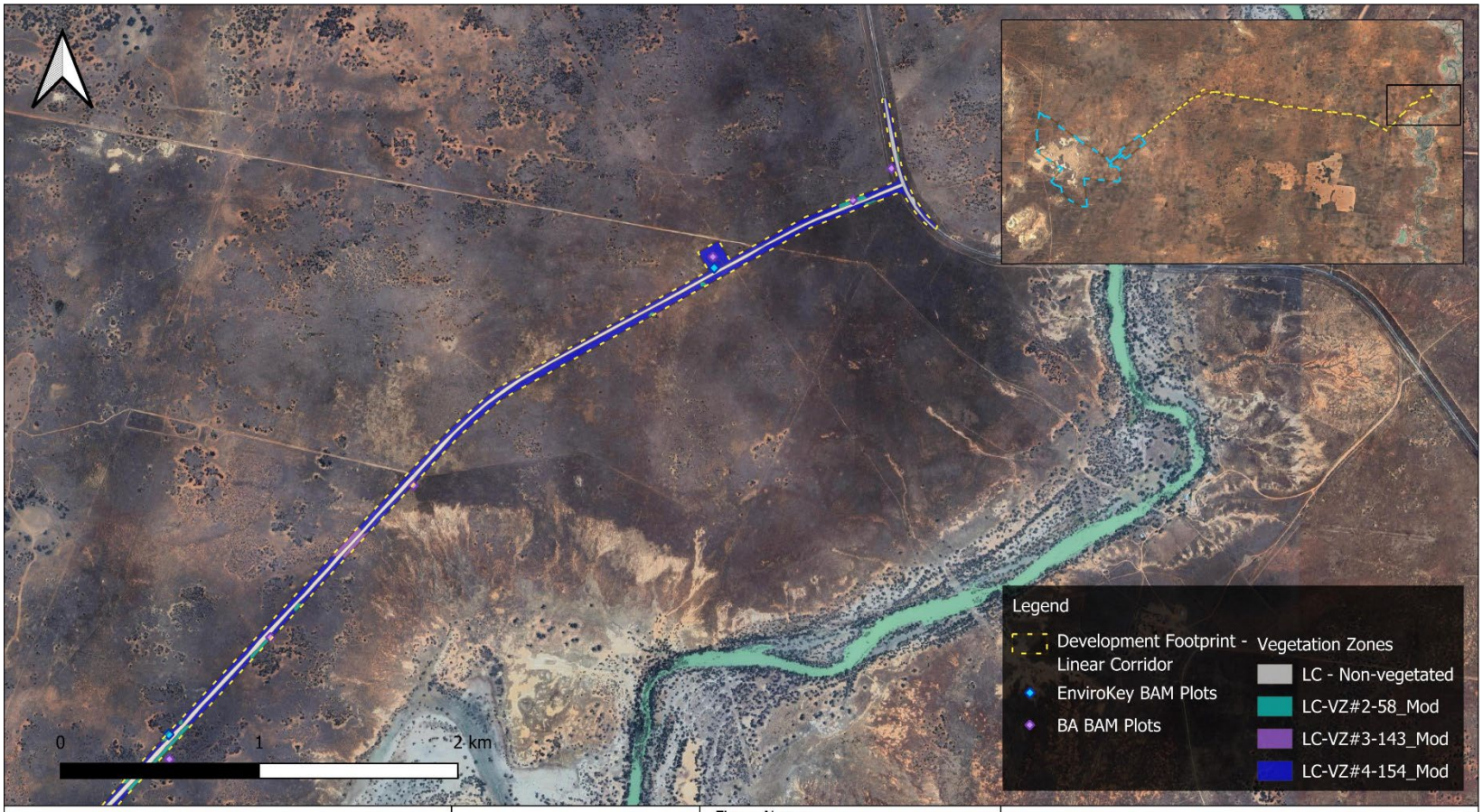
This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Vegetation Zones and Plot locations – Development Footprint – Linear Corridor 3/5	Biodiversity AUSTRALIA
	Drawn by: NE	Location: Warwick Station	
	Date: November 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872
			Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:25000

Figure 39: Vegetation Zones and VI Plot locations - Development Footprint - Linear Corridor 3 / 5



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Vegetation Zones and Plot locations – Development Footprint – Linear Corridor 4/5	Biodiversity AUSTRALIA	
	Drawn by: NE	Location: Warwick Station		
	Date: November 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
				Scale: 1:25000

Figure 40: Vegetation Zones and VI Plot locations - Development Footprint - Linear Corridor 4 / 5



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Vegetation Zones and Plot locations – Development Footprint – Linear Corridor 5/5	Biodiversity AUSTRALIA
	Drawn by: NE	Location: Warwick Station	
	Date: November 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872
			Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:25000

Figure 41: Vegetation Zones and VI Plot locations - Development Footprint - Linear Corridor 5 / 5

Table 35: Vegetation Zones, PCTs, Condition States and plots

Child Case #	Site	Vegetation Zone	BAM-C Veg Zone #	PCT	Condition	Area (ha)	Plots Names	No. of Plots
0005120	LC	LC-VZ#1-28_Mod	1	28	Mod	0.77	1,2	2
		LC-VZ#2-58_Mod	2	58	Mod	48.82	18,16,15,13,14,17,10,6,8,4,12,9,7,5,11,19,3,20,21,22	20
		LC-VZ#3-143_Mod	3	143	Mod	17.2	30,34,31	3
		LC-VZ#4-154_Mod	4	154	Mod	102.09	45,58,47,57,59,48,60,74,75,46,49,61,63,56,42,43,62,44,52,67, 53,64,55,65,51,72,66,54,69,70,71,68,50,78,79,80,81,82,83	42
		LC-VZ#5-170_Mod	5	170	Mod	13.6	98,101,102,103,104,105,106	7
		LC-VZ#6-171_Mod	6	171	Mod	6.56	110,109,108,112,113,114,115	7
		LC - Non-vegetated		0		29	-	-
00052609	MS	MS-VZ#1-58_Mod	1	58	Mod	189.82	18,16,15,13,14,17,10,6,8,4,12,9,7,5,11,19,3,20,21,22	20
		MS-VZ#2-64_Mod	2	64	Mod	641.45	26,23,27,28,25,29,24	7
		MS-VZ#3-152_Mod	3	152	Mod	249.82	40,36,41,35,38,39,37	7
		MS-VZ#4-154_Mod	4	154	Mod	1564.73	45,58,47,57,59,48,60,74,75,46,49,61,63,56,42,43,62,44,52,67, 53,64,55,65,51,72,66,54,69,70,71,68,50,78,79,80,81,82,83	42
		MS-VZ#5-157_Mod	5	157	Mod	492.12	86,91,89,92,87,90,88,93	8
		MS-VZ#6-157_High	6	157	High	3.58	94,95	2
		MS-VZ#7-170_Mod	7	170	Mod	1.98	98,101,102,103,104,105,106	7
		MS-VZ#8-171_Mod	8	171	Mod	5.57	110,109,108,112,113,114,115	7
		MS-VZ#9-215_Mod	9	215	Mod	5.07	116,118,117	3
		MS-VZ#10-215_High	10	215	High	0.82	119	1
		MS-VZ#11-221_Mod	11	221	Mod	391.85	126,124,123,125,122,120,121	7
		MS-VZ#12-221_High	12	221	High	3.12	129,128	2
		MS-VZ#13-253_Mod	13	253	Mod	140.14	134,133,130,132,131,135,136	7
		MS-VZ#14-254_Mod	14	254	Mod	1.16	137	1
		MS - Non-vegetated		0		109.97	-	-

3.5 Endangered Ecological Communities (EECs)

Biodiversity Australia reviewed the NSW Scientific Committee Final Determination of four Endangered Ecological Communities- EEC Final Determination (OEH 2004, 2011, 2017, 2021);

- Sandhill Pine Woodland in the Riverina, Murray–Darling Depression and NSW South Western Slopes Bioregions,
- *Acacia loderi Shrublands* and *Acacia melvillei Shrubland in the Riverina and Murray-Darling Depression bioregions, and*
- *Tecticornia lylei, Wiry Glasswort, low open-shrubland in the Murray Darling Depression Bioregion*.

The EECs associated with the PCTs occurring within the Development Footprint/s are presented in Table 36.

Acacia melvillei Shrubland shares several species with *A. loderi* Shrublands, both listed as Endangered under the BC Act. These ecological communities occupy analogous soils and landforms and have some overlapping distribution, however, *A. loderi* Shrublands are more common in the northern part of the Riverina and Murray-Darling Depression bioregions. The abundance of tree species and differences in the composition of understory species are key characteristics in distinguishing these shrubland communities.

PCT 28 is associated with the EEC *Sandhill Pine Woodland in the Riverina, Murray–Darling Depression and NSW South Western Slopes Bioregions*. This community is characterised by an open woodland, or a derived grassland with no or scattered trees, that typically occupies red-brown loamy sands with alkaline sub-soils on prior streams, rises, source-bordering dunes, sandhills and lunettes of the alluvial plain of the Murray River and its tributaries, and on parts of the sandplain in south-western NSW.

PCT 65 *Halosarcia lylei* low, open shrubland saline wetland of arid and semi-arid regions, which is associated with EEC *Tecticornia lylei, Wiry Glasswort, low open-shrubland in the Murray Darling Depression Bioregion* occurs on the beds of small salt lakes and on the fringes of larger ones in far south western NSW and is associated with the South Olary Plain. This community occurs near the more widespread samphire shrubland PCT 64 in the Scotia region and could be considered a sub-association of this community.

Biodiversity Australia has determined, through the combination of ground-truthed flora survey (Figure 88) and analysis of the diagnostic key features described in the Final Determinations, the PCTs present within the Development Footprint do not completely conform to the diagnostic criteria of the associated EECs. The PCTs do not meet the requirements for the EECs under the BC Act. This assessment is based upon the requirements of the Final Determination and the results of field-based assessments of geology, landscape features, vegetation structure, condition and site history. A full breakdown of the Final Determination is provided in Table 37, Table 38 and Table 39.

Table 36: PCTs with EEC associations within the Development Footprint Mine Site and Linear Corridor

PCT ID	PCT Name	BC Act - EEC associated	Area within Development Footprint	Presence of EEC within Development Footprint
28	White Cypress Pine open woodland of sand plains, prior streams and dunes mainly of the semi-arid (warm) climate zone	Sandhill pine woodland *Acacia melvillei* Shrubland	0.77	Present

PCT ID	PCT Name	BC Act - EEC associated	Area within Development Footprint	Presence of EEC within Development Footprint
58	Black Oak – Western Rosewood open woodland on deep sandy loams mainly in the Murray Darling Depression Bioregion	*Acacia loderi* Shrublands *Acacia melvillei* Shrubland	238.64	Absent
65	*Halosarcia lylei low, open shrubland saline wetland of arid and semi-arid regions*	*Tecticornia lylei,* Wiry Glasswort, low open-shrubland in the Murray Darling Depression Bioregion	Not recorded	Absent
143	Narrow-leafed Hopbush – Scrub Turpentine – Senna shrubland on semi-arid and arid sandplains and dunes	*Acacia loderi* Shrublands	17.2	Absent
154	Pearl Bluebush low open shrubland of the arid and semi-arid plains	*Acacia loderi* Shrublands	1666.82	Absent
170	Chenopod sandplain mallee woodland/shrubland	*Acacia loderi* Shrublands, *Acacia melvillei* Shrubland	15.58	Absent

3.5.1 *Acacia melvillei* Shrubland in the Riverina and Murray-Darling Depression bioregions EEC

Table 37: Diagnostic criteria for the Final Determination *Acacia melvillei Shrubland in the Riverina and Murray-Darling Depression bioregions* EEC.

Diagnostic Criteria	Assessment
The combination of features that distinguish *Acacia melvillei* Shrubland in the Riverina and Murray-Darling Depression bioregions EEC from *Acacia loderi* Shrubland EEC include:	
1- *Acacia melvillei* dominates the community and typically occupies sandhills and undulating sandplains in south-western NSW. In both bioregions, the community occurs on red-brown, sandy loam soils as scattered patches grading into surrounding woodlands of Belah and Rosewood, White Cypress Pine or sandplain mallee. *Acacia melvillei* Shrubland is characterised by the assemblage of species listed in paragraph 2 and typically has an open canopy of shrubs or small trees, sometimes with scattered mid-stratum shrubs, and with a sometimes sparse, but highly variable ground layer dominated by grasses, chenopods and herbs. The structure and species composition of the community varies depending on disturbance history and temporal variability in rainfall.	Does not meet diagnostic criteria The dominant diagnostic species *Acacia melvillei* is absent from the associated PCT present within the Subject Land. No specimens of *A. melvillei* were identified within plots or flora searches conducted within the Subject Land during Bio Aust surveys. Therefore, vegetation present within PCTs associated with *Acacia melvillei Shrubland in the Riverina and Murray-Darling Depression bioregions* do not meet the diagnostic criteria for the EEC.
2- *Acacia melvillei* Shrubland is characterised by the following assemblage of species:	Does not meet diagnostic criteria

Diagnostic Criteria	Assessment
• *Acacia loderi* • *Acacia melvillei* • *Alectryon oleifolius subsp. canescens* • *Atriplex limbata* • *Atriplex stipitata* • *Austrostipa nitida* • *Brachyscome lineariloba* • *Casuarina pauper* • *Crassula colorata var. acuminata* • *Dissocarpus paradoxus* • *Einadia nutans subsp. nutans* • *Enchylaena tomentosa* • *Eremophila sturtii* • *Erodium crinitum* • *Eucalyptus socialis* • *Harmsiodoxa blennodioides* • *Lepidium pseudohyssopifolium* • *Maireana georgei* • *Maireana pyramidata* • *Maireana sclerolaenoides* • *Maireana trichoptera* • *Myoporum platycarpum* • *Nitraria billardierei* • *Plantago cunninghamii* • *Rhagodia spinescens* • *Rhodanthe pygmaea* • *Salsola tragus* • *Sclerolaena diacantha* • *Sclerolaena obliquicuspis* • *Sida corrugata* • *Tetragonia tetragonioides* • *Triptilodiscus pygmaeus* • *Triraphis mollis* • *Zygophyllum ammophilum*	Only 11 of the 34 plant species belonging to the characteristic species assemblage for the *A. melvillei* EEC (listed in paragraph 2 opposite) were present within the associated PCT in the Subject Land. Therefore, the vegetation present does not meet diagnostic criteria for *Acacia melvillei Shrubland in the Riverina and Murray-Darling Depression bioregions.*
3- The total species list of the community is larger than that given above, with many species present in only one or two sites or in low abundance. The species composition of a site will be influenced by the size of the site, recent rainfall or drought conditions and by its disturbance (including grazing, land clearing and	Does not Meet diagnostic criteria The Subject Land on which the associated PCT is present has been

Diagnostic Criteria		Assessment
	fire) history. The number and relative abundance of species will change with time since fire may also change in response to fire frequency or grazing regime. At any one time, above-ground individuals of some species may be absent, but the species may be represented below ground in soil seed banks or as dormant structures such as bulbs, corms, rhizomes, rootstocks or lignotubers. The list of species given above is mainly of vascular plant species, however, the community also includes micro-organisms, fungi, cryptogamic plants and both vertebrate and invertebrate faunas. These components of the community are poorly documented.	highly modified by long periods of agricultural use (Sheep grazing), extended periods of drought and the impacts of feral animals such as goats overgrazing the vegetation, preventing regeneration and recruitment of characteristic and diagnostic species. Overgrazing and impacts by feral goats has degraded seedbanks, bulbs, corms, rhizomes, rootstocks and lignotubers in the surface soils. A lack of regenerating species prevents the associated PCT from meeting the diagnostic criteria.
4-	*Acacia melvillei* Shrubland is characterised by an open stratum of large shrubs or small trees, which may be reduced to isolated individuals or may be absent as a result of past clearing. The shrub/tree layer is dominated by *Acacia melvillei* (Yarran), either in pure stands or with a range of other less abundant trees or tall shrubs. These may include *Acacia loderi* (Nelia), *Alectryon oleifolius* subsp. *canescens* (Rosewood), *Casuarina pauper* (Belah) and/or *Myoporum platycarpum* (Sugarwood). A scattered small shrub layer is sometimes present and may include *Enchylaena tomentosa* (Ruby Saltbush), *Eremophila sturtii*, *Nitraria billardierei* (Dillon Bush), *Rhagodia spinescens* (Thorny Saltbush) and/or *Maireana pyramidata* (Black Bluebush). The groundcover is highly variable in structure and composition. It may be sparse or more continuous, depending on the history of disturbance, grazing and rainfall events. It comprises chenopod subshrubs such as *Atriplex stipitata*, *Dissocarpus paradoxus* (Cannonball Burr), *Maireana* spp., Sclerolaena spp. (Copperburrs), *Einadia nutans* subsp. *nutans* (Climbing Saltbush) and grasses and forbs including *Austrostipa nitida*, *Crassula colorata*, *Erodium crinatum* (Blue Storksbill), *Tetragonia tetragonioides*. *Triraphis mollis* and *Zygophyllum ammophilum* (Sand Twinleaf). The structure of the community varies depending on past and current disturbances, particularly clearing, logging, grazing and soil erosion and on the timing and magnitude of recent rainfall.	Meets diagnostic criteria The structural and floristic data recorded within the Subject Land is consistent with the outlined criteria. Species include *Alectryon oleifolius* subsp. *canescens* (Rosewood), *Casuarina pauper* (Belah) and/or *Myoporum platycarpum* (Sugarwood), *Enchylaena tomentosa* (Ruby Saltbush), *Rhagodia spinescens* (Thorny Saltbush), *Maireana pyramidata* (Black Bluebush), *Atriplex* spp, *Dissocarpus paradoxus* (Cannonball Burr), other *Maireana* spp., Sclerolaena spp. (Copperburrs) and *Tetragonia tetragonioides*.
5-	*Acacia melvillei* Shrubland shares a number of species with *Acacia loderi* Shrublands, another ecological community currently listed as Endangered under the *Biodiversity Conservation Act 2016.* These two ecological communities inhabit similar soils and landforms and have some overlap in their distributions, but *Acacia loderi* Shrublands are more common in the northern part of the Riverina and Murray-Darling Depression bioregions and extend further north into several other bioregions. They may be distinguished on the basis of the relative abundance of their tree species (with *A. melvillei* generally uncommon within *Acacia loderi* shrublands) and differences in the composition of their understories. Differences in understorey composition may be obscured as a result of the history of heavy disturbance throughout both communities. *Acacia melvillei* is very difficult to distinguish from the closely related species *Acacia homalophylla*. Kodela (2001) reviewed herbarium specimens of both species to provide information on their distribution. Both species were found to be widespread in NSW with overlapping distributions. To reliably identify the species in the field, the presence of seed pods is required (Kodela 2001).	Does not meet diagnostic criteria The associated PCT vegetation present within the Subject Land does not contain *Acacia Melville or Acacia loderi and therefore* does not meet diagnostic criteria.
6-	*Acacia melvillei* Shrubland is currently recorded from south-western portion of NSW in the Riverina and Murray-Darling Depression bioregions in the local government areas of Balranald, Carrathool, Central Darling, Conargo, Wakool and Wentworth. The community may occur elsewhere in the Riverina and Murray-Darling Depression bioregions, particularly in the Hay and Jerilderie local government areas. Bioregions.	Meets diagnostic criteria The Subject Land is located within the Wentworth LGA and Murray Darling Depression IBRA bioregion.

Diagnostic Criteria	Assessment
7- *Acacia melvillei* Shrubland is scattered over a relatively large distribution, with an estimated extent of occurrence in the order of 50000 km^2. Throughout this distribution, *Acacia melvillei* Shrubland occurs in relatively small patches. Vegetation maps (1:250000 scale delineate about 500 ha of the community as '*Acacia melvillei* Woodland (map unit 17) and a further 5200 ha of mosaics containing patches of this community with other types of vegetation. These maps cover most of the community's distribution. Within the eastern part of this region, Horner *et al.* (2002) mapped 1400 ha of the community as '*Acacia melvillei / Acacia homalophylla* woodlands on sandy rises'. Based on available mapping and site records and using a grid scale of 4 km^2 (as recommended by IUCN 2006), *Acacia melvillei* Shrubland is estimated to occupy an area of about 800 km^2. This latter estimate indicates that the community has a moderately restricted distribution.	Meets diagnostic criteria The Subject Land contains a shrubland mosaic of many small vegetation patches, which are made up of numerous species which correspond with the diagnostic criteria species.
8- *Acacia melvillei* Shrubland is generally not found on soils of high suitability for agriculture. However, some stands of the community are threatened by clearing for cropping, particularly in the east of its range (Porteners 1993, Benson *et al.* 2006). 'Clearing of native vegetation' is listed as a Key Threatening Process under the *Biodiversity Conservation Act 2016.*	Meets diagnostic criteria The soils within the Subject Land are not of high suitability for agriculture.
9- Most of the remaining stands of *Acacia melvillei* Shrubland are heavily degraded by overgrazing, which has resulted in simplification of community structure, changes in species composition, invasion of weeds and soil erosion. Overgrazing by domestic livestock and feral herbivores, including rabbits and goats, has resulted in a scarcity of woody understorey plants and a lack of regeneration of palatable trees and shrubs in the community. Consequently, senescent trees are not replaced with new individuals and there is a prolonged trend of stand degeneration, which is difficult to reverse, even under active conservation management. Overgrazing also reduces structural complexity, plant species diversity and habitat suitability for vertebrate fauna of the community. Collectively, the processes associated with overgrazing have resulted in a large reduction in the ecological function of the community. 'Competition and grazing by the feral European Rabbit, *Oryctolagus cuniculus*' and 'Competition and habitat degradation by Feral Goats, *Capra hircus* are listed as Key Threatening Processes under the *Biodiversity Conservation Act 2016.*	Does not meet diagnostic criteria The Subject Land has undergone substantial historical grazing disturbance over decades from ongoing pastoral activity including sheep and goats. The area had regular drought records over the past 40 years which has likely exacerbated these grazing pressures. Therefore, the associated PCT vegetation present within the Subject Land does not meet the required diagnostic criteria for the EEC.
10- Fragmentation, grazing and small-scale physical disturbance have resulted in weed invasion throughout the distribution of *Acacia melvillei* Shrubland, which continues to threaten the ecological function of the community. Principal weed species include: • *Asphodelus fistulosus* • *Brassica tournefortii* • *Bromus rubens* • *Erodium cicutarium* • *Hordeum spp.* • *Medicago minima* • *Medicago polymorpha* • *Sisymbrium erysimoides*	N/A
11- Examples of *Acacia melvillei* Shrubland have been recorded from Mungo and Willandra National Parks, and Kajuligah and Yanga Nature Reserves. However, some of these reserves contain only a few hectares of the community, and all	N/A

Diagnostic Criteria	Assessment
exhibit signs of degradation associated with past land uses and the continuing impacts of feral herbivores.	

3.5.2 *Acacia loderi* Shrubland EEC

Table 38: Diagnostic criteria for the Final Determination *Acacia loderi Shrublands* EEC.

Diagnostic Criteria	Assessment
The combination of features that distinguish *Acacia loderi* Shrubland EEC from *Acacia melvillei* Shrubland in the Riverina and Murray-Darling Depression bioregions EEC include:	
1- The tall shrub/small tree *Acacia loderi* typically dominates the community. Other tree species that may occur in association with *Acacia loderi* are *Acacia aneura*, *Acacia oswaldii*, *Callitris gracilis*, *Casuarina pauper* and *Flindersia maculosa*. The mistletoes *Amyema quandang* and *Lysiana exocarpi* frequently occur on *Acacia loderi*. Understorey species within the *Acacia loderi* Shrublands include: • *Aristida contorta* • *Atriplex* spp. (such as *A. angulata*, *A. holocarpa*, *A. stipitata*) • *Brachyscome* spp. • *Dissocarpus paradoxus* • *Dodonaea viscosa* • *Enchylaena tomentosa* • *Enneapogon avenaceus* • *Eremophila maculata* • *Eremophila sturtii* • *Grevillea huegelii* • *Haloragis glauca* • *Ixiolaena tomentosa* • *Lotus cruentus* • *Lycium australe* • *Maireana georgei* • *Maireana pyramidata* • *Maireana sclerolaenoides* • *Maireana sedifolia* • *Myoporum deserti* • *Pimelea microcephala* • *Plantago drummondii* • *Ptilotus atriplicifolius* • *Pycnosorus pleiocephalus* • *Rhagodia spinescens* • *Rhodanthe floribunda* • *Sauropus trachyspermus* • *Sida fibulifera* • *Sclerolaena* spp. (such as *S. divaricata*, *S. obliquicuspis* and *S. patenticuspis*) • *Senna artemisioides* • *Stipa* spp. • *Swainsona formosa*	Does not meet diagnostic criteria The dominant diagnostic species *Acacia loderi* is absent from the associated PCT present within the Subject Land. No specimens of *A. loderi* were identified within plots or flora searches conducted within the Subject Land during Bio Aust surveys. Therefore, vegetation present within PCTs associated with *Acacia loderi Shrublands* do not meet the diagnostic criteria for the EEC.

Diagnostic Criteria		Assessment
	• *Templetonia egena* • *Tetragonia tetragonioides* • *Teucrium racemosum* • *Zygophyllum simile*	
2-	The community has a naturally open structure of individual shrubs to small trees (to 8 m high) with a low, diverse understorey dominated by chenopod subshrubs, herbs and grasses. The community is often interspersed by woodlands of *Casuarina pauper* (Belah), *Alectryon oleifolius* (Rosewood) or *Flindersia maculosa*. Fox (1993), Pickard and Norris (1994) and Westbrooke and Miller (1995) discuss floristic composition, distribution, and structure of the *Acacia loderi* Shrublands.	Meets diagnostic criteria The structural and floristic data recorded within the Subject Land is consistent with the outlined criteria; *Casuarina pauper* (Belah), *Alectryon oleifolius* (Rosewood) is common throughout the wooded patches present within the Subject Land.
3-	The total species list of the community is considerably larger than that given in 1 (above), with many species present in only one or two sites or in very small abundance. In any particular site not all of the assemblage listed in 1 may be present. At any one time, there may only be seeds of some species present in the soil seed bank with no above-ground individuals present. This is particularly the case for the large ephemeral floral component of the community. Species composition will vary between sites depending on geographical location and local conditions. The species composition of a site will be influenced by the size of the site and by its recent disturbance history and in particular the pattern (season, magnitude) of recent rainfall.	Meets diagnostic criteria *The Subject Land contains Tetragonia tetragonioides, Sclerolaena* spp., *Atriplex* spp., *Brachyscome* spp., *Dissocarpus paradoxus, Dodonaea viscosa, Enchylaena tomentosa, Enneapogon avenaceus, Haloragis glauca, Maireana georgei, Maireana pyramidata, Maireana sclerolaenoides, Maireana sedifolia and Rhagodia spinescens.*
4-	The *Acacia loderi* Shrublands are known from the Broken Hill Complex, Murray-Darling Depression, Cobar Peneplain, Riverina, Mulga Lands and Darling Riverine Plains Bioregions. They occur from South Western New South Wales (NSW) to North Western Victoria and Eastern South Australia. In NSW, the community is mainly confined to South Western NSW extending east to Hillston and north to White Cliffs. The major stands of the community occur between Broken Hill, Ivanhoe and Wilcannia, while only isolated stands occur beyond these areas.	Meets diagnostic criteria The Subject Land is located within the Wentworth LGA and Murray Darling Depression IBRA bioregion.
5-	The *Acacia loderi* Shrublands are found on solonized brown and duplex soils on level to undulating plains or on calcareous red earths. Typical habitat has a rainfall range of 240 mm to 280 mm.	Meets diagnostic criteria The Subject Land contains calcareous red earth soils.
6-	Most remnant stands of the community are located on pastoral leases although small patches occur in conservation reserves including Mungo and Kinchega National Parks.	Meets diagnostic criteria The Subject Land is located within the Wentworth LGA and Murray Darling Depression IBRA bioregion.
7-	Most current stands of *Acacia loderi* Shrublands have an understorey modified by grazing and include unpalatable natives and a range of exotic weeds. Many examples of the community exist as isolated and degraded patches. Threats to the community include clearing and a lack of regeneration of tree species through heavy grazing pressure, particularly from stock and rabbits. Although there is some limited regeneration by vegetative means (suckering) in the dominant *Acacia loderi*, most existing stands consist of old age cohorts. Even within conservation reserves such as Kinchega National Park, rabbit grazing pressure has severely limited regeneration of the community dominant *Acacia loderi* (Auld 1995) and flooding from over-filling of the Menindee Lakes has resulted in destruction of several stands of the community. A number of former stands now consist of only rings of dead trees.	Does not meet diagnostic criteria The Subject Land has undergone substantial historical grazing disturbance. Over decades from ongoing pastoral activity including sheep and goats. The area had regular drought records over the past 40 years which has likely exacerbated these grazing pressures.
8-	In view of the fragmented nature of many stands, the widespread lack of regeneration in the dominant tree (*Acacia loderi*), the continued threat of heavy grazing pressure and further clearing, the Scientific Committee is of the opinion that *Acacia loderi* Shrublands are likely to become extinct in nature unless factors threatening its survival or evolutionary development cease to operate and that listing as an endangered ecological community is warranted.	N/A

3.5.3 Sandhill Pine Woodland in the Riverina, Murray–Darling Depression and NSW South Western Slopes Bioregions EEC

Table 39: Diagnostic criteria for the Final Determination *Sandhill Pine Woodland in the Riverina, Murray–Darling Depression and NSW South Western Slopes Bioregions.*

Diagnostic Criteria	Assessment
The combination of features that distinguish *Sandhill Pine Woodland in the Riverina, Murray–Darling Depression and NSW South Western Slopes Bioregions* EEC include:	
1- The community is dominated by *Callitris glaucophylla*, that typically occupies red-brown loamy sands with alkaline sub-soils on the alluvial plain of the Murray River and its tributaries, and on parts of the sandplain in South-Western NSW. In the Murray-Darling Depression bioregion, the community occurs as scattered patches on sandhills and lunettes within an extensive aeolian sandplain dominated by Woodlands of Mallee Eucalypts or Belah.	Does not meet diagnostic criteria The PCT occurring within the Subject Land which is associated with *Sandhill Pine Woodland in the Riverina, Murray–Darling Depression and NSW South Western Slopes Bioregions*, contains, but is not dominated by Woodlands of Mallee Eucalypts or Belah. Therefore, the PCT does not meet the diagnostic criteria for the EEC In addition, the soils on which the PCT occurs do not originate from aeolian source-bordering dunes. The distribution of the community is described as; from the Urana– Narrandera district in the east, into the southern part of the Murray-Darling Depression bioregion, as far west as the South Australian border. The Subject Land is not in the southern part of the Murray-Darling Depression bioregion. It is located in the north of the Murray-Darling Depression bioregion.
2- Sandhill Pine Woodland is characterised by the assemblage of species listed in paragraph 2 and typically comprises an open tree canopy with a sometimes sparse, but highly variable ground layer dominated by grasses and herbs, sometimes with scattered shrubs and/or small trees. The structure and species composition of the community varies depending on disturbance history and temporal variability in rainfall. Sandhill Pine Woodland is characterised by the following assemblage of species: • *Actinobole uliginosum* • *Allocasuarina luehmannii* • *Atriplex semibaccata* • *Austrodanthonia caespitosa* • *Austrodanthonia setacea* • *Austrostipa nodosa* • *Austrostipa scabra* • *Boerhavia dominii* • *Callitris glaucophylla* • *Cotula australis* • *Crassula colorata* • *Crassula decumbens* var. *decumbens* • *Crassula sieberiana* • *Einadia nutans* • *Enteropogon acicularis* • *Erodium crinitum* • *Glycine clandestine* • *Maireana enchylaenoides* • *Oxalis perennans* • *Panicum effusum*	Does not meet diagnostic criteria The assemblage of species comprising the PCT occurring within the Subject Land, which is associated with *Sandhill Pine Woodland in the Riverina, Murray–Darling Depression and NSW South Western Slopes Bioregions*, loosely meets diagnostic criteria for the EEC listed in paragraph 2 opposite. Five out of the forty-five species listed occur within the associated PCT present. The subject vegetation may marginally meet this criteria.

	• *Paspalidium constrictum* • *Salsola tragus* • *Senecio quadridentatus* • *Sida corrugata* • *Stuartina muelleri* • *Wahlenbergia graniticola* A large number of infrequently recorded species also characterise the community. These include: • *Acacia melvillei* • *Acacia oswaldii* • *Acacia victoriae* subsp. *arida* • *Alectryon oleifolius* subsp. *canescens* • *Calandrinia eremaea* • *Callitris gracilis* subsp. *murrayensis* • *Dissocarpus paradoxus* • *Dodonaea viscosa* subsp. *angustissima* • *Enchylaena tomentosa* • *Eremophila longifolia* • *Geijera parviflora* • *Hakea leucoptera* subsp. *leucoptera* • *Hakea tephrosperma* • *Maireana pyramidata* • *Myoporum platycarpum* subsp. *platycarpum* • *Pittosporum angustifolium* • *Rhagodia spinescens* • *Sclerolaena obliquicuspis* • *Wahlenbergia gracilenta*	
3-	The total species list of the community is larger than that given above, with many species present in only one or two sites or in low abundance. The species composition of a site will be influenced by the size of the site, recent rainfall or drought conditions and by its disturbance (including grazing, land clearing and fire) history. The number and relative abundance of species will change with time since fire and may also change in response to changes in fire frequency or grazing regime. At any one time, above-ground individuals of some species may be absent, but the species may be represented below ground in soil seed banks or as dormant structures such as bulbs, corms, rhizomes, rootstocks or lignotubers. The list of species given above is mainly of vascular plant species, however the community also includes micro-organisms, fungi, cryptogamic plants and both vertebrate and invertebrate faunas. These components of the community are poorly documented.	Meets diagnostic criteria The total species recorded within the Subject Land is larger than that given above.
4-	Sandhill Pine Woodland is characterised by an open tree stratum, which may be reduced to isolated individuals or may be absent as a result of past clearing. The tree layer is dominated by *Callitris glaucophylla* (White Cypress Pine), either in pure stands or with a range of other less abundant trees or tall shrubs. These may include *Acacia melvillei, A. oswaldii, Allocasuarina luehmannii* (Buloke), *Callitris gracilis* subsp. *murrayensis* (Slender Cypress Pine), *Hakea leucoptera* (Needlewood), *H. tephrosperma* (Hooked Needlewood), *Myoporum platycarpum* (Sugarwood) and *Pittosporum angustifolium* (Berrigan). A scattered shrub layer is sometimes present and may include *Dodonaea viscosa* subsp. *angustifolia, Enchylaena tomentosa* (Ruby Saltbush), *Sclerolaena muricata* (Black Rolypoly) and/or *Maireana enchylaenoides* (Bluebush). The groundcover is highly variable in structure and composition. It may be sparse or more continuous, depending on the history of disturbance, grazing and rainfall events. It comprises grasses, such as *Austrodanthonia caespitosa* (Ringed Wallaby Grass), *A. setacea* (Small-flowered Wallaby Grass), *Austrostipa nodosa* (a spear grass), *A. scabra* (Rough Speargrass), *Enteropogon*	Meets diagnostic criteria The Subject Land has been significantly cleared and contains small patches and individuals of the species *Callitris glaucophylla* (White Cypress Pine), as well as shrubs *Enchylaena tomentosa* (Ruby Saltbush) and Maireana spp. Other species present are *Austrostipa scabra* (Rough Speargrass), *Oxalis perennans, Sida corrugata* (Corrugated Sida).

acicularis (Curly Windmill Grass), *Panicum effusum* and *Paspalidium constrictum*; and forbs including *Atriplex semibaccata* (Creeping Saltbush), *Einadia nutans* (Climbing Saltbush), *Erodium crinatum* (Blue Storksbill), *Oxalis perennans*, *Sida corrugata* (Corrugated Sida) and *Wahlenbergia* spp. (bluebells). The structure of the community varies depending on past and current disturbances, particularly clearing, logging, grazing and soil erosion. Is the vegetation an open woodland, or a derived grassland with scattered or no trees?	
5- Sandhill Pine Woodland shares a number of species with another endangered ecological community listed under the *Biodiversity Conservation Act 2016*.: *Allocasuarina luehmannii* Woodland in the Riverina and Murray-Darling Depression bioregions. These two ecological communities inhabit similar soils and landforms and have similar geographic distributions. They may be distinguished on the basis of the relative abundance of their tree species and subtle differences in composition of their understorey. When tree abundance is assessed at hectare scales, *Callitris glaucophylla* is the most abundant tree species in Sandhill Pine Woodland, whereas in *Allocasuarina luehmannii* Woodland, *A. luehmannii* is the most abundant tree species. Differences in understorey composition are likely to be obscured as a result of the history of heavy disturbance throughout both communities. Vegetation with characteristics that are intermediate between Sandhill Pine Woodland and *Allocasuarina luehmannii* Woodland are covered collectively under the two Determinations.	N/A
6- Does a shrub layer, if present, contain any of the following: *Dodonaea viscosa subsp. angustifolia*, ruby saltbush, black rolypoly, black bluebush, thorny saltbush, *Calytrix tetragona*, Banksia marginata?	Meets diagnostic criteria The shrub layer present within the Subject Land contains the required species, *Enchylaena tomentosa* (Ruby Saltbush).
7- Sandhill Pine Woodland has been recorded in the far south-western portion of the NSW South Western Slopes bioregion near Urana, extending through the Riverina bioregion, from the Urana – Narrandera district in the east, into the southern part of the Murray-Darling Depression bioregion, as far west as the South Australian border. It is currently known from the Balranald, Berrigan, Carrathool, Central Darling, Conargo, Corowa, Deniliquin, Hay, Murray, Narrandera, Urana, Wakool and Wentworth Local Government Areas, but may occur elsewhere in the Riverina, Murray-Darling Depression and NSW South Western Slopes bioregions. Throughout its distribution, the community occurs in relatively small patches, typically on red-brown sandy loams. In the Riverina and NSW South Western Slopes bioregions, these soils are associated with the beds of prior streams or source-bordering dunes adjacent to streams and lake beds, which are restricted and distinctive landforms on the extensive riverine plain. Further west, in the Murray-Darling Depression Bioregion, the community occurs on lunettes associated with dry lake beds, and as patches within a mosaic of vegetation types on extensive sandplains.	Meets diagnostic criteria The Subject Land is located within the Wentworth LGA and Murray Darling Depression IBRA bioregion.
8- Does the tree layer, if present, contain any of the following: White cypress pine, Slender cypress pine? Does a small tree or tall shrub layer, if present, contain any of the following: Sugarwood, Western rosewood, Buloke, Drooping sheoak, Needlewood, Hooked needlewood, Berrigan.	Meets diagnostic criteria The Subject Land contains the species slender cypress pine; a species listed in (Criteria 8) the adjacent list.
9- Sandhill Pine Woodland has undergone a large reduction in its geographic distribution as a consequence of clearing for cropping and pasture improvement. This has occurred within a period appropriate to the life cycle of the dominant species of the community, with much of the clearing taking place between 1880 and 1910. Some clearing for cereals and irrigated agriculture has occurred later in the twentieth century. A recent synthesis of available map data indicates that the distribution of this community has been reduced by 40 - 75 %. Fragmentation of the remaining stands is likely to have resulted in a large reduction in the ecological function of the community due to the small population sizes of many constituent species, enhanced risks from environmental stochasticity, disruption	N/A

	to pollination and dispersal of fruits or seeds, and likely reductions in the genetic diversity of isolated populations. The geographic distribution of the community continues to decline as a consequence of small-scale clearing. Clearing of native vegetation' is listed as a Key Threatening Process under the *Biodiversity Conservation Act 2016*.	
10-	Most of the stands of Sandhill Pine Woodland that have escaped broad-scale clearing have been maintained as sources of timber, either in state forests or on private land. Logging of cypress pines for the construction of fences and buildings has resulted in significant changes in the vegetation structure, indicating a large reduction in the ecological function of Sandhill Pine Woodland. Consequently, many contemporary stands lack large old trees and, where tree recruitment has been limited by grazing, trees in other size classes may have been reduced in density or eliminated altogether. Conversely, abundant regeneration of *C.glaucophylla* has occurred after logging at some sites when there has been a temporary reduction in the numbers of livestock, feral rabbits and goats. This results in relatively dense even-aged stands of trees that have yet to attain the mature structure of the community. The structure of these dense even-aged stands contrasts markedly with that of some remnants in pastures, in which large senescent trees are the only remaining size class of trees present, as a result of the continual removal of regeneration by grazing animals.	N/A
11-	Most of the remaining stands of Sandhill Pine Woodland are degraded by overgrazing, which has resulted in simplification of community structure, changes in species composition, invasion of weeds and soil erosion. Overgrazing by domestic livestock and feral herbivores, including rabbits and goats, has resulted in a scarcity of woody understorey plants and a lack of regeneration of palatable trees and shrubs. Consequently, senescent trees are not replaced with new individuals and There is a prolonged trend of stand degeneration. This is particularly evident in stands of Sandhill Pine Woodland in the western areas of its distribution in the Murray-Darling Depression bioregion (Scott 1992). Overgrazing also reduces structural complexity, plant species diversity and habitat suitability for vertebrate fauna of the community. The sandy-textured soils of Sandhill Pine Woodland are sensitive to erosion when de-stabilised as a result of trampling by hooved animals and burrowing by rabbits. These impacts are exacerbated under drought conditions. Lunettes that support Sandhill Pine Woodland are particularly vulnerable to erosion after overgrazing because their relatively steep slopes predispose them to erosion by water during and after rainfall events, as well as by wind. Collectively, the processes associated with overgrazing have resulted in a large reduction in the ecological function of the community. 'Competition and grazing by the feral European Rabbit, *Oryctolagus cuniculus'* and 'Competition and habitat degradation by Feral Goats, *Capra hircus'* are listed as Key Threatening Processes under the *Biodiversity Conservation Act 2016.*	Meets diagnostic criteria The Subject Land has undergone substantial historical grazing disturbance over decades from ongoing pastoral activity including sheep and goats. The area had regular drought records over the past 40 years which has likely exacerbated these grazing pressures.
12-	Fragmentation, grazing and small-scale physical disturbance have resulted in weed invasion throughout the distribution of Sandhill Pine Woodland, which continues to threaten the ecological function of the community. Principal weed species include: • *Arctotheca calendula* • *Avena* spp. • *Bromus rubens* • *Citrellus lanatus var lanatus* • *Echium plantagineum* *Paterson's Curse* • *Erodium cicutarium* • *Heliotropium* spp • *Hordeum leporinum* • *Hypochaeris glabra* • *Lolium* spp. • *Lycium ferocissimum* • *Marrubium vulgare*	N/A

• *Medicago* spp. • *Mesembryanthemum crystallinum* • *Pentaschistis airoides* • *Salvia verbenacea* • *Schismus barbatus* • *Sonchus oleraceus* • *Tribulus terrestris* • *Trifolium arvense* • *Vulpia myuros* forma *megalura*	
13- Examples of Sandhill Pine Woodland have been recorded from Kalyarr, Mallee Cliffs, Mungo, Oolambeyan and Willandra National Parks, and Tarawi Nature. However, some of these reserves contain only a few hectares of the community, and all exhibit signs of degradation associated with past land uses and the continuing impacts of feral herbivores. Examples of Sandhill Pine Woodland with a diverse and healthy understorey that retain its native shrub component and contain a low abundance and diversity of weed species, are extremely rare in the region.	N/A

4. Threatened Species

4.1 Ecosystem Credit Species

Ecosystem credit species are threatened species which can be reliably predicted to occur by vegetation surrogates and landscape features. Targeted survey is not required for these species.

The BAM calculator produces a list of ecosystem credit species based on several attributes including Bioregion and subregion; patch size and the vegetation and habitat data collected in the field.

4.1.1 List of Derived Species

The threatened species derived from the BAM calculator are presented in Table 40 below.

4.1.2 Additional Species

Any additional species determined likely to be present were also considered and added to the list and entered as additional species in the BAM calculator.

These species have been predicted to occur based on the vegetation and habitat types present and are classed with ecosystem credits. Additional species, predicted to occur by the BAM calculator, which have been excluded from this list due to not meeting habitat and/or geographic requirements are listed in Table 42.

BioNet Threatened Species recorded within the Development Footprint – Mine Site and Linear Corridor areas are shown in Figure 42 and Figure 43. All Biodiversity Australia Threatened Species Records for the project are shown in Figure 44.

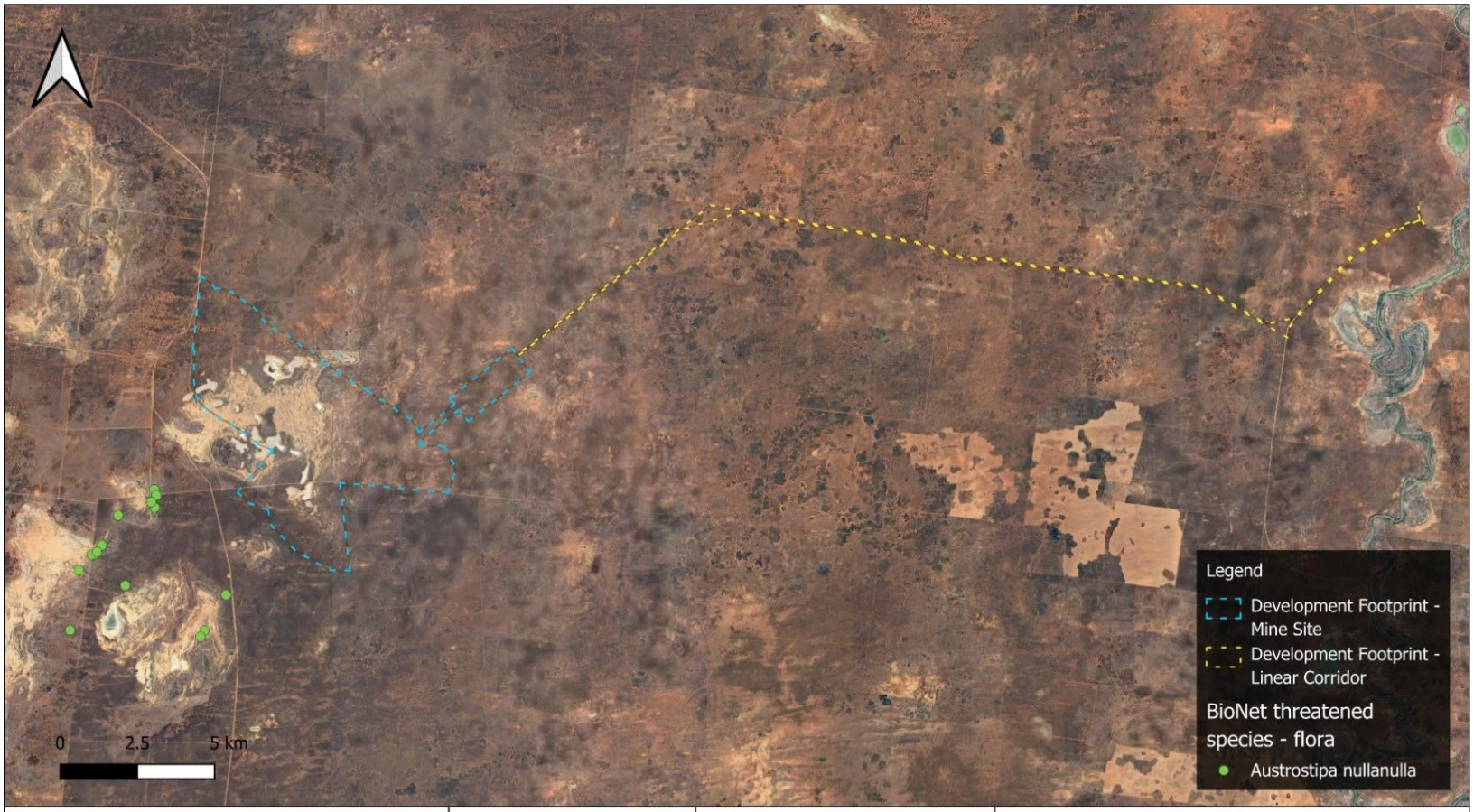
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Table 40: Ecosystem credit species predicted to occur within the Development Footprint

Common Name	Scientific Name	Suitable habitat for ecosystem credit species										
		PCT 58	PCT 64	PCT 152	PCT 154	PCT 157	PCT 170	PCT 171	PCT 215	PCT 221	PCT 253	PCT 254
Bardick	*Echiopsis curta*							x				
Black Falcon	*Falco subniger*	x		x	x	x	x	x			x	
Black-breasted Buzzard	*Hamirostra melanosternon*	x		x	x	x	x	x		x		x
Blue-winged Parrot	*Neophema chrysostoma*	x				x	x		x		x	
Bolam's Mouse	*Pseudomys bolami*	x					x	x		x		x
Chestnut Quail-thrush	*Cinclosoma castanotum*							x				
Corben's Long-eared Bat	*Nyctophilus corbeni*	x					x	x		x		
Diamond Firetail	*Stagonopleura guttata*	x					x					
Dusky Woodswallow	*Artamus cyanopterus cyanopterus*	x	x	x	x	x	x	x	x	x	x	x
Gilbert's Whistler	*Pachycephala inornata*	x					x	x				
Grey Falcon	*Falco hypoleucos*	x	x	x	x	x	x	x	x	x	x	x
Grey-crowned Babbler (eastern subspecies)	*Pomatostomus temporalis temporalis*	x										
Inland Forest Bat	*Vespadelus baverstocki*	x					x	x		x		x
Interior Blind Snake	*Ramphotyphlops endoterus*				x				x			
Jewelled Gecko	*Strophurus elderi*						x	x				
Kultarr	*Antechinomys laniger*	x		x	x	x	x	x	x	x		
Little Eagle	*Hieraaetus morphnoides*	x	x	x	x	x	x	x	x	x	x	x
Little Pied Bat	*Chalinolobus picatus*	x	x	x	x	x	x	x	x	x	x	x
Mallee Slender Blue-tongue Lizard	*Cyclodomorphus melanops elongatus*								x			
Mallee Worm-lizard	*Aprasia inaurita*							x	x			

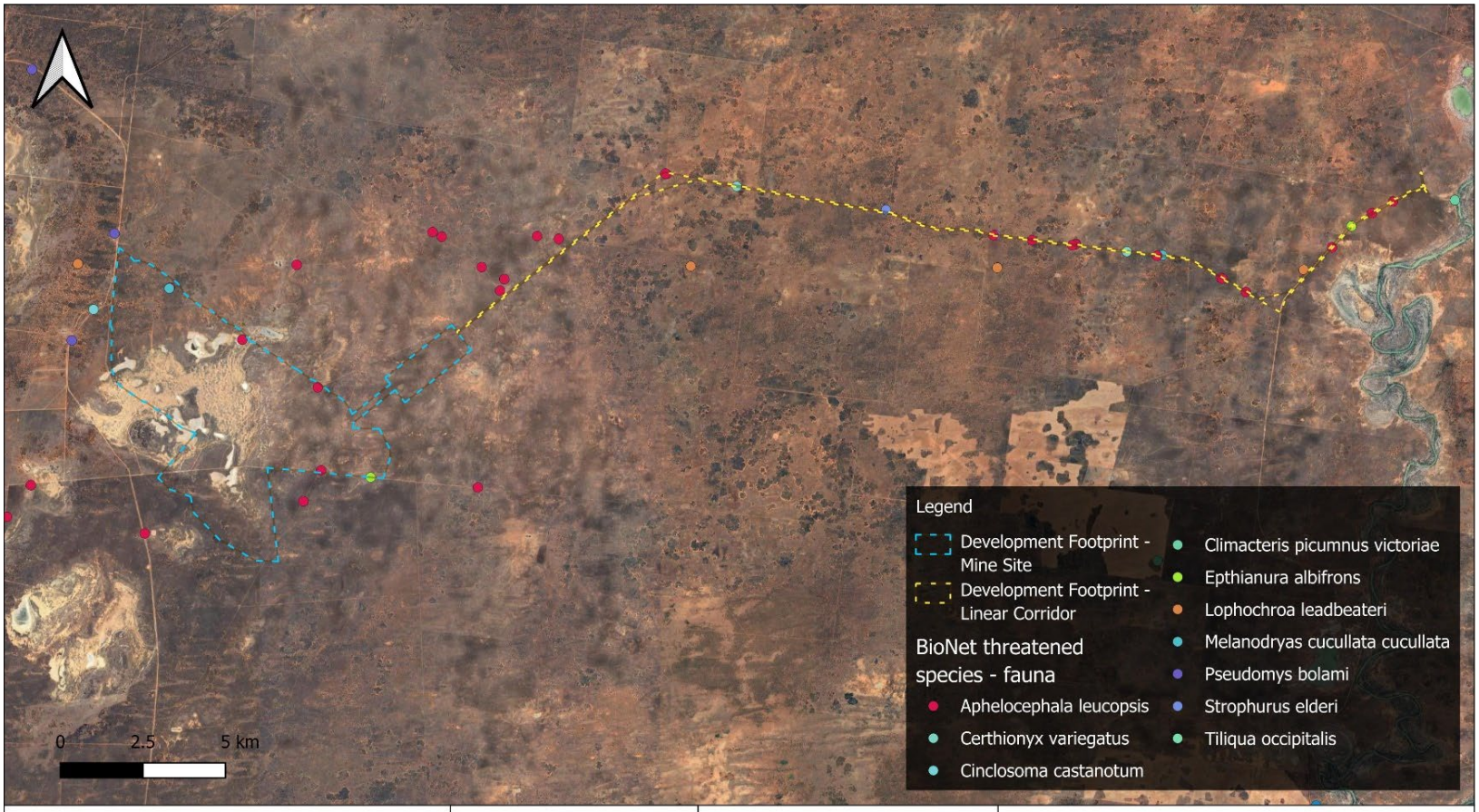
Common Name	Scientific Name	Suitable habitat for ecosystem credit species										
		PCT 58	PCT 64	PCT 152	PCT 154	PCT 157	PCT 170	PCT 171	PCT 215	PCT 221	PCT 253	PCT 254
Malleefowl	*Leipoa ocellata*							x	x			
Marble-faced Delma	*Delma australis*						x	x				
Painted Honeyeater	*Grantiella picta*	x							x			
Pied Honeyeater	*Certhionyx variegatus*	x		x	x		x	x		x		
Pink Cockatoo	*Cacatua (Lophochroa) leadbeateri*	x		x	x		x	x	x	x	x	x
Purple-crowned Lorikeet	*Glossopsitta porphyrocephala*						x	x				
Purple-gaped Honeyeater	*Lichenostomus cratitius*						x	x				
Redthroat	*Pyrrholaemus brunneus*			x	x							
Ringed Brown Snake	*Pseudonaja modesta*	x					x	x	x			
Rufous Fieldwren	*Calamanthus campestris*		x			x						
Sandy Inland Mouse	*Pseudomys hermannsburgensis*	x			x			x	x			
Scarlet-chested Parrot	*Neophema splendida*						x	x				
Shy Heathwren	*Hylacola cautus*							x				
South-eastern Hooded Robin	*Melanodryas cucullata cucullata*	x					x	x	x	x		x
Southern Ningaui	*Ningaui yvonneae*						x	x				
Southern Scrub-robin	*Drymodes brunneopygia*							x				
Southern Whiteface	*Aphelocephala leucopsis*	x		x	x	x	x	x	x		x	
Spotted Harrier	*Circus assimilis*	x	x	x	x	x	x	x	x	x	x	x
Square-tailed Kite	*Lophoictinia isura*	x								x		x
Stripe-faced Dunnart	*Sminthopsis macroura*	x			x			x	x	x		
Varied Sittella	*Daphoenositta chrysoptera*	x					x	x		x		x
Wedgesnout Ctenotus	*Ctenotus brooksi*							x	x			

Common Name	Scientific Name	Suitable habitat for ecosystem credit species										
		PCT 58	PCT 64	PCT 152	PCT 154	PCT 157	PCT 170	PCT 171	PCT 215	PCT 221	PCT 253	PCT 254
Western Blue-tongued Lizard	*Tiliqua occipitalis*				x		x	x				
Western Pygmy Possum	*Cercartetus concinnus*	x					x	x		x		x
White-bellied Sea-Eagle	*Haliaeetus leucogaster*	x				x	x	x				
White-fronted Chat	*Epthianura albifrons*		x	x	x	x					x	
Yellow-bellied Sheathtail-bat	*Saccolaimus flaviventris*	x					x	x	x	x		



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: BioNet Threatened Species Flora Records - Developoment Footprint	Biodiversity AUSTRALIA
	Drawn by: NE	Location: Warwick Station	
	Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872
			Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:160000

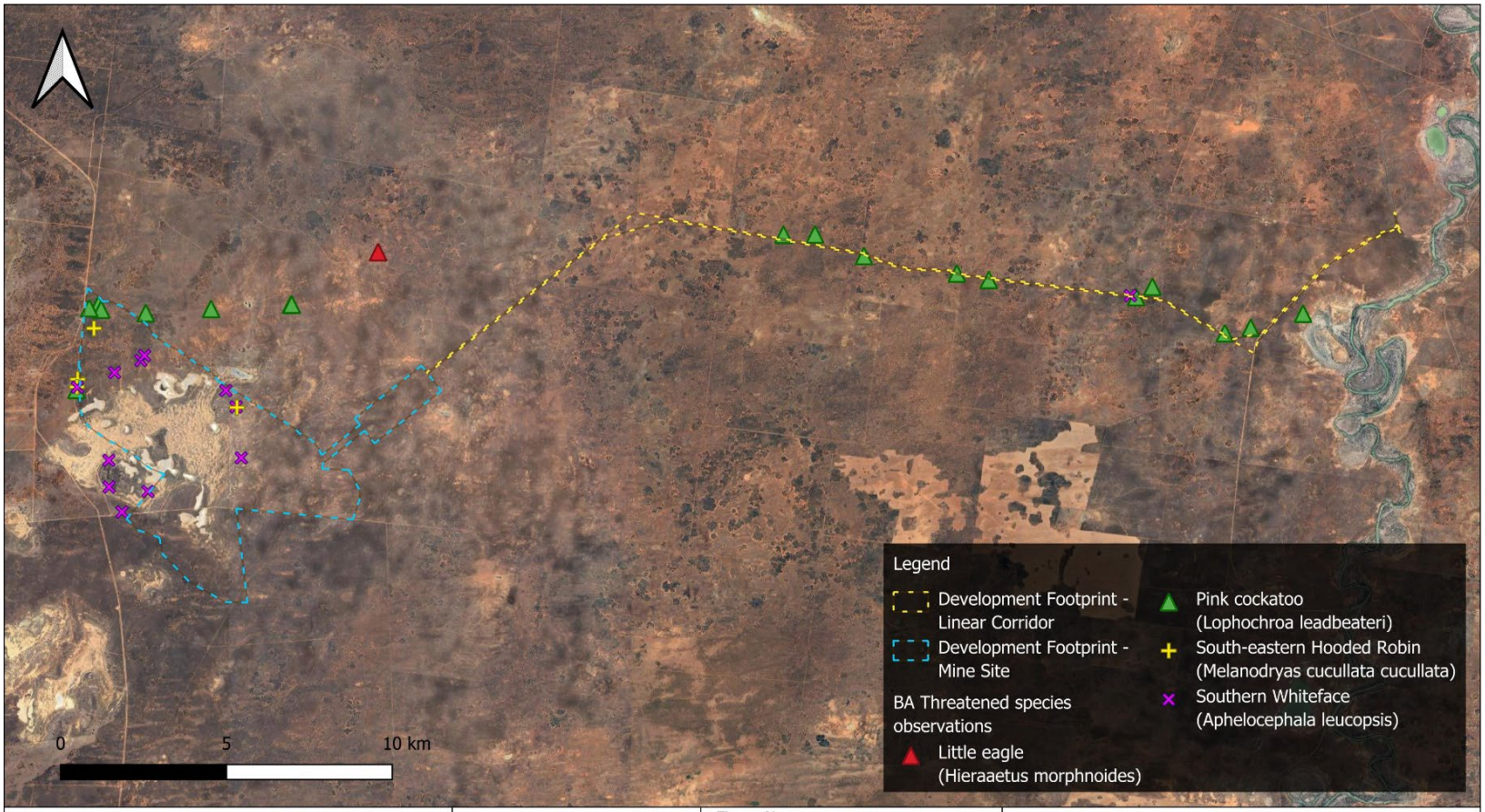
Figure 42: BioNet threatened species flora records - Development Footprint



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.

Project Manager: NC	Figure Name: BioNet Threatened Survey Fauna Records - Developoment Footprint	Biodiversity AUSTRALIA	
Drawn by: NE	Location: Warwick Station		
Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:150000

Figure 43: BioNet threatened species fauna records - Development Footprint



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Threatened Fauna Species Observations - Biodiversity Australia - Development Footprint	Biodiversity AUSTRALIA	
	Drawn by: NE	Location: Warwick Station		
	Date: November 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
				Scale: 1:150000

Figure 44: All Biodiversity Australia Threatened Species Records for the project

4.2 Species Credit Species

Species Credit Species are threatened species or elements of their habitat that cannot be confidently predicted by vegetation surrogates and landscape features. These candidate species are identified as Species Credit Species in the NSW BioNet TBDC. A targeted survey or an expert report is required to confirm the presence or absence of these species in the investigation area, or alternatively the species can be assumed to be present (DPIE, 2020).

Assessments were undertaken to determine if the habitat and geographic requirements within the Subject Land provide suitable habitat for Species Credit Species.

A total of thirty-two (32) species credit species, including nineteen (19) flora species and thirteen (13) fauna species were determined to be candidates within the Development Footprint area.

Some species credit species have habitat constraints and/or geographic limitations outlined in the TBDC, which may exclude the species from surveys. The Regent Parrot (*Polytelis anthopeplus monarchoides*) is the only species credit species which can be excluded from surveys due to geographic limitations, owing to the Subject Land being beyond 30 km from the Murray and Murrumbidgee Rivers. All other habitat constraints and/or geographic limitations are met for the other species credit species within the Development Footprint.

Some species which have specialised breeding requirements have dual credit classes to account for differences in foraging and breeding habitat.

The Pink Cockatoo (*Lophochroa leadbeateri*) is one such 'dual credit' species, where foraging habitat can be reliably predicted through vegetation associations, however breeding habitat is specialised and requires hollow-bearing trees with hollows greater than 10 cm diameter, as described in the species survey comments within the NSW BioNet Threatened Biodiversity Data Collection (TBDC). A minimum hollow height threshold of >2 m was applied to suitable HBT in line with research findings where minimum hollow height was found to be 2.25 m (Higgins 1999).

Targeted threatened species surveys were conducted in November and December 2024, as well as in August, October and November 2025 within the assessment area in the associated PCTs 28, 58, 143, 152, 154, 170, 171, 215, 221, 253, & 254, during the appropriate breeding months (August - December) for Pink Cockatoos. On many occasions Pink Cockatoos were observed within the assessment area and Development Footprint. As a result of very few suitable hollow-bearing breeding trees and no breeding behaviour observed at any time during targeted surveys, the Pink Cockatoo was previously excluded from this report as a species credit species. However, due to a decision by the consent authority communicated on 18 March 2026, an assumed presence species polygon was prepared for Pink Cockatoo at hollow-bearing tree numbers 1 and 11 to account for insufficient survey effort around these trees. The Pink Cockatoo has also been assessed as an ecosystem credit species and generates ecosystem credits due to the potential for the species to utilise the Development Footprint to forage.

According to the TBDC, suitable habitat for Pink Cockatoos includes living or dead trees with hollows greater than 10 cm in diameter. Higgins (1999) confirms the suitability of tree hollows greater than 10 cm in diameter and adds that those located more than 2 m aboveground are preferentially used for breeding. In addition, Higgins (1999) states that the species commonly nests in very old, mature hollow-bearing trees (HBTs) and occasionally in large, abandoned raptor nests (Higgins, 1999). The TBDC lists signs of breeding as: (a) begging birds of any age or sex; (b) lone individuals of the species identified during the breeding season (August to November); or (c) an occupied nest.

In the case of the Pink Cockatoo (*Lophochroa leadbeateri*), although several individuals were recorded within the Subject Land, thus meeting one breeding criteria in the TBDC (Survey Comments Signs of Breeding (b) lone individuals of the species were identified during the breeding season - August to November), prior to, and during surveys; no individuals were observed to be using the suitable (>10 cm hollow) 12 HBTs located within the Subject Land.. However, this species will be offset under both ecosystem credits (due to foraging habitat) and under species credits (due to the assumption of presence via species habitat polygons at two suitable breeding trees).

All Species Credit Species habitat constraints and geographic limitations that were met, were assessed within the Development Footprint. Species credit species survey details are presented in Table 41; with all species credit species habitat constraints, geographic limitations and justifications provided in Table 42.

Table 41: Targeted threatened flora and fauna candidate species requiring surveys - associated PCTs, habitat area, survey area, survey methods, survey window, survey dates, search area and Vegetation Zone identifiers

Scientific Name	Listing Status BC & EPBC	Common Name	Associated PCTs (TBDC)	Combined PCT Area (ha)	Life Form (TBDC)	Height (TBDC)	Survey Methodology	Survey Window (TBDC)	Date Survey Completed	Suitable habitat (ha)	Suitable habitat searched (ha)	VZ ID # per assessment area: Non-linear (MS) and Linear (LC) with VZ Names
FLORA												
Acacia acanthoclada	E & None	Harrow Wattle	170, 171	27.7	Shrub	0.3 - 1.5	Small Area 10 m Parallel field traverses	August-November	27-28 October & 4-12 November 2025	27.7	27.7	LC-VZ#5-170_Mod, LC-VZ#6-171_Mod, MS-VZ#7-170_Mod, MS-VZ#8-171_Mod
Acacia carneorum	V & V	Purple-wood Wattle	58	238.42	Tall Shrub/Small tree	2-4	Large Area Two Phase survey plots	All Year	12-29 November 2024 & 4-12 November 2025	238.42	238.42	LC-VZ#2-58_Mod, MS-VZ#1-58_Mod
Atriplex infrequens	V & V	A saltbush	152, 157, 170, 215	767.31	Forb	0.3	Large Area Two Phase survey plots	November-February	12-29 November 2024 & 4-12 November 2025	767.31	767.31	MS-VZ#3-152_Mod, MS-VZ#5-157_Mod, MS-VZ#6-157_High, LC-VZ#5-170_Mod, MS-VZ#7-170_Mod, MS-VZ#9-215_Mod, MS-VZ#10-215_High
Austrostipa metatoris	V & V	A spear-grass	28, 170	16.36	Grass	1	Small Area 10 m Parallel field traverses	October-November	4-12 November 2025	16.36	16.36	LC-VZ#1-28_Mod, LC-VZ#5-170_Mod, MS-VZ#7-170_Mod
Austrostipa nullanulla	E & None	A spear-grass	152, 154, 253	2059.95	Grass	0.5	Large Area Two Phase survey plots	September-December	12-29 November 2024 & 4-12 November 2025	2059.95	2059.95	MS-VZ#3-152_Mod, MS-VZ#3-152_Mod, LC-VZ#4-154_Mod, MS-VZ#4-154_Mod, MS-VZ#13-253_Mod
Brachyscome papillosa	V & V	Mossgiel Daisy	152, 154, 157	2415.61	Herb	0.4	Large Area Two Phase survey plots	September-November	12-29 November 2024 & 4-12 November 2025	2415.61	2415.61	MS-VZ#3-152_Mod, MS-VZ#3-152_Mod, LC-VZ#4-154_Mod, MS-VZ#4-154_Mod, MS-VZ#5-157_Mod, MS-VZ#6-157_High
Calotis moorei	E & E	A burr-daisy	143, 152, 154, 157, 170	661.26	Herb	0.45	Large Area Two Phase survey plots	September-November	12-29 November 2024 & 4-12 November 2025	661.26	661.26	LC-VZ#3-143_Mod, MS-VZ#3-152_Mod, MS-VZ#3-152_Mod, LC-VZ#4-154_Mod, MS-VZ#4-154_Mod, MS-VZ#5-157_Mod, MS-VZ#6-157_High, LC-VZ#5-170_Mod, MS-VZ#7-170_Mod

Scientific Name	Listing Status BC & EPBC	Common Name	Associated PCTs (TBDC)	Combined PCT Area (ha)	Life Form (TBDC)	Height (TBDC)	Survey Methodology	Survey Window (TBDC)	Date Survey Completed	Suitable habitat (ha)	Suitable habitat searched (ha)	VZ ID # per assessment area: Non-linear (MS) and Linear (LC) with VZ Names
Cratystylis conocephala	E & None	Bluebush Daisy	58,170, 171, 221	2448.72	Shrub	1	Large Area Two Phase survey plots	All Year	12-29 November 2024 & 4-12 November 2025	2448.72	2448.72	LC-VZ#2-58_Mod, MS-VZ#1-58_Mod, LC-VZ#5-170_Mod, LC-VZ#6-171_Mod, MS-VZ#7-170_Mod, MS-VZ#8-171_Mod, MS-VZ#11-221_Mod, MS-VZ#12-221_High
Dodonaea stenozyga	CE & None	Desert Hopbush	170, 171	27.7	Shrub	2	Small Area 10 m Parallel field traverses	All Year	4-12 November 2025	27.7	27.7	LC-VZ#5-170_Mod, LC-VZ#6-171_Mod, MS-VZ#7-170_Mod, MS-VZ#8-171_Mod
Kippistia suaedifolia	E & None	Fleshy Minuria	143, 154, 253	1827.04	Sub-Shrub	0.6	Large Area Two Phase survey plots	All Year	12-29 November 2024 & 4-12 November 2025	1827.04	1827.04	LC-VZ#3-143_Mod, Mod, LC-VZ#4-154_Mod, MS-VZ#4-154_Mod, MS-VZ#13-253_Mod
Lasiopetalum behrii	CE & None	Pink Velvet Bush	170, 171	27.7	Shrub	1.5	Small Area 10 m Parallel field traverses	All Year	4-12 November 2025	27.7	27.7	LC-VZ#5-170_Mod, LC-VZ#6-171_Mod, MS-VZ#7-170_Mod, MS-VZ#8-171_Mod
Lepidium monoplocoides	E & E	Winged Peppercress	170	15.59	Herb/Forb	0.15 - 0.2	Small Area 10 m Parallel field traverses	September-December	4-12 November 2025	15.59	15.59	LC-VZ#5-170_Mod, MS-VZ#7-170_Mod
Leptorhynchos waitzia	E & None	Button Immortelle	170, 254	16.75	Herb	0.2	Small Area 10 m Parallel field traverses	September-November	4-12 November 2025	16.75	16.75	LC-VZ#5-170_Mod, MS-VZ#7-170_Mod, MS-VZ#14-254_Mod
Pimelea serpyllifolia subsp. serpyllifolia	E & None	Thyme Rice-Flower	170, 171	27.7	Shrub	0.5	Small Area 10 m Parallel field traverses	July-November	4-12 November 2025	27.7	27.7	LC-VZ#5-170_Mod, LC-VZ#6-171_Mod, MS-VZ#7-170_Mod, MS-VZ#8-171_Mod
Pterostylis cobarensis		Greenhood Orchid	170, 171	27.7	Orchid	0.4	Small Area 10 m transects	October	27-28 October 2025	27.7	27.7	LC-VZ#5-170_Mod, LC-VZ#6-171_Mod, MS-VZ#7-170_Mod, MS-VZ#8-171_Mod
Santalum murrayanum		Bitter Quandong	170, 171	27.7	Tall Shrub/Small tree	5	Small Area 10 m Parallel field traverses	All Year	4-12 November 2025	27.7	27.7	LC-VZ#5-170_Mod, LC-VZ#6-171_Mod, MS-VZ#7-170_Mod, MS-VZ#8-171_Mod
Swainsona colutoides		Bladder Senna	170, 171	27.7	Shrub	0.4 - 1.5	Small Area 10 m Parallel field traverses	All Year	4-12 November 2025	27.7	27.7	LC-VZ#5-170_Mod, LC-VZ#6-171_Mod, MS-VZ#7-170_Mod, MS-VZ#8-171_Mod
Swainsona pyrophila		Yellow Swainson-pea	170, 171	27.7	Sub-shrub	1	Small Area 10 m Parallel field traverses	September-November	4-12 November 2025	27.7	27.7	LC-VZ#5-170_Mod, LC-VZ#6-171_Mod, MS-VZ#7-170_Mod, MS-VZ#8-171_Mod

Scientific Name	Listing Status BC & EPBC	Common Name	Associated PCTs (TBDC)	Combined PCT Area (ha)	Life Form (TBDC)	Height (TBDC)	Survey Methodology	Survey Window (TBDC)	Date Survey Completed	Suitable habitat (ha)	Suitable habitat searched (ha)	VZ ID # per assessment area: Non-linear (MS) and Linear (LC) with VZ Names
Swainsona sericea		Silky Swainson-pea	28, 215	6.36	Herb/Forb	0.1	Small Area 10 m Parallel field traverses	September-November	4-12 November 2025	6.36	6.36	LC-VZ#1-28_Mod, MS-VZ#9-215_Mod, MS-VZ#10-215_High
							FAUNA					
Ardeotis australis		Australian Bustard	28, 58, 64, 143, 152, 154, 157, 215, 221, 253, 254	3855.38	Aves	N/A	Raptor survey points along transects in suitable habitat	All Year	11–29 November 2024, 13-16 January, 5-23 February, 6-11 August 2025	3855.38	3855.38	-
Burhinus grallarius		Bush Stone-curlew	28, 58	239.19	Aves	N/A	Diurnal and Nocturnal surveys in suitable wooded habitat	All Year	11–29 November 2024, 13-16 January, 5-23 February, 6-11 August 2025	239.19	239.19	-
Haliaeetus leucogaster		White-bellied Sea-Eagle	28, 58, 143, 157, 170, 171	779.79	Aves	N/A	Raptor survey points along transects in suitable habitat	July-December	11–29 November 2024 & 6-11 August 2025	779.79	779.79	-
Hamirostra melanosternon		Black-breasted Buzzard	58, 152, 154, 157, 170, 171, 221, 254	2827.6	Aves	N/A	Raptor survey points along transects in suitable habitat	September - November	11–29 November 2024	2827.6	2827.6	-
Hieraaetus morphnoides		Little Eagle	58, 64, 152, 154, 157, 170, 171, 215, 221, 253, 254	3864.79	Aves	N/A	Raptor survey points along transects in suitable habitat	August - October	6-11 August 2025	3864.79	3864.79	-
Lasiorhinus latifrons	E & None	Southern Hairy-nosed Wombat	58, 152, 154, 170, 171	2186.35	Aves	N/A	Nocturnal surveys in suitable habitat	All Year	11–29 November 2024 & 5-23 February 2025	2186.35	2186.35	-
Lophochroa leadbeateri	V & E	Pink Cockatoo	28, 58, 143, 152, 154, 170,	2746.57	Aves	N/A	Diurnal survey points along transects in	August - December	11–29 November, 4-14 December	2746.57	2746.57	-

Scientific Name	Listing Status BC & EPBC	Common Name	Associated PCTs (TBDC)	Combined PCT Area (ha)	Life Form (TBDC)	Height (TBDC)	Survey Methodology	Survey Window (TBDC)	Date Survey Completed	Suitable habitat (ha)	Suitable habitat searched (ha)	VZ ID # per assessment area: Non-linear (MS) and Linear (LC) with VZ Names
			171, 215, 221, 253, 254				suitable habitat		2024, 6-11 August, 27-29 October, 4-11 November 2025			
Lophoictinia isura	V & None	Square-tailed Kite	58, 221, 254	634.72	Aves	N/A	Raptor survey points along transects in suitable habitat	September - December	11–29 November 2024	634.72	634.72	-
Lucasium stenodactylum	V & None	Crowned Gecko	143, 154, 170, 215, 221	2103.96	Reptile	N/A	Pitfall traps and nocturnal searches in suitable habitat	October - March	10–14 December 2024	2103.96	2103.96	-
Myotis macropus	V & None	Southern Myotis	64, 253	780.85	Mammal	N/A	Surveys using Ultrasonic recording in suitable habitat	October - March	9–12 & 13-16 January 2025	780.85	780.85	-
Neobatrachus pictus	E & None	Painted Burrowing Frog	58, 152, 154, 157, 170, 171, 221, 254	3078.03	Amphibian	N/A	Suitable survey conditions not met - Expert report provided (Appendix A-7)	All Year	25 May 2025 (Habitat evaluation)	-	-	-
Polytelis anthopeplus monarchoides	E & V	Regent Parrot (eastern subspecies)	58, 170, 171	266.12	Aves	N/A	Excluded from surveys due to geographic limitations - Site is beyond 30 km from Murray and Murrumbidgee Rivers	August - November	N/A - Excluded from surveys due to geographic limitation	266.12	266.12	-
Pseudomys desertor	CE & None	Desert Mouse	171	12.11	Mammal	N/A	Pitfall trapping in suitable habitat	March - June &	10–14 December 2024	12.11	12.11	-

Scientific Name	Listing Status BC & EPBC	Common Name	Associated PCTs (TBDC)	Combined PCT Area (ha)	Life Form (TBDC)	Height (TBDC)	Survey Methodology	Survey Window (TBDC)	Date Survey Completed	Suitable habitat (ha)	Suitable habitat searched (ha)	VZ ID # per assessment area: Non-linear (MS) and Linear (LC) with VZ Names
								August - December				

Table 42: List of Species Credit Species surveyed for within the Development Footprint

Common Name	Scientific Name	Justification
	FLORA	
A Burr-daisy	*Calotis moorei*	BAM Habitat constraint: None Not found during seasonal targeted surveys
A Saltbush	*Atriplex infrequens*	BAM Habitat constraint: None Not found during seasonal targeted surveys
A Spear-grass	*Austrostipa metatoris*	BAM Habitat constraint: None Not found during seasonal targeted surveys
A Spear-grass	*Austrostipa nullanulla*	BAM Habitat constraint: Land containing gypseous lunettes and copi rises Found during seasonal targeted surveys
Bitter Quandong	*Santalum murrayanum*	BAM Habitat constraint: Sandy loam or loamy sand Not found during seasonal targeted surveys
Bladder Senna	*Swainsona colutoides*	BAM Habitat constraint: None Not found during seasonal targeted surveys
Bluebush Daisy	*Cratystylis conocephala*	BAM Habitat constraint: None Not found during seasonal targeted surveys
Button Immortelle	*Leptorhynchos waitzia*	BAM Habitat constraint: None Not found during seasonal targeted surveys
Desert Hopbush	*Dodonaea stenozyga*	BAM Habitat constraint: None Not found during seasonal targeted surveys
Fleshy Minuria	*Kippistia suaedifolia*	BAM Habitat constraint: Saline lakes, depressions and claypans with Gypseous or calcareous soils, gypseous dunes, or within 50 m Not found during seasonal targeted surveys
Greenhood Orchid	*Pterostylis cobarensis*	BAM Habitat constraint: None Not found during seasonal targeted surveys
Harrow Wattle	*Acacia acanthoclada*	BAM Habitat constraint: Deep silicious sands Not found during seasonal targeted surveys
Mossgiel Daisy	*Brachyscome papillosa*	BAM Habitat constraint: None Not found during seasonal targeted surveys
Pink Velvet Bush	*Lasiopetalum behrii*	BAM Habitat constraint: Shallow, sandy soils Not found during seasonal targeted surveys
Purple-wood Wattle	*Acacia carneorum*	BAM Habitat constraint: None Not found during seasonal targeted surveys
Silky Swainson-pea	*Swainsona sericea*	BAM Habitat constraint: None Not found during seasonal targeted surveys

Thyme Rice-flower	*Pimelea serpyllifolia subsp. serpyllifolia*	BAM Habitat constraint: None BAM Geographic limitations: Within 50 km of the Murray River Not found during seasonal targeted surveys
Winged Peppercress	*Lepidium monoplocoides*	BAM Habitat constraint: None Not found during seasonal targeted surveys
Yellow Swainson-pea	*Swainsona pyrophila*	BAM Habitat constraint: None Not found during seasonal targeted surveys
FAUNA		
Australian Bustard	*Ardeotis australis*	BAM Habitat Constraint: None Not found during seasonal targeted surveys
Black-breasted Buzzard	*Hamirostra melanosternon*	BAM Habitat Constraint: Waterbodies; Land within 40 m of riparian woodland on inland watercourses/waterholes containing dead or dying eucalypts BAM constraints met: No Not found during seasonal targeted surveys
Little Eagle	*Hieraaetus morphnoides*	BAM Habitat Constraint: Nest trees - live (occasionally dead) large old trees within vegetation. BAM constraints met: Yes Not found during seasonal targeted surveys
Black-eared Miner	*Manorina melanotis*	BAM Habitat constraint: None Not found during seasonal targeted surveys
Bush Stone-curlew	*Burhinus grallarius*	BAM Habitat Constraint: Fallen/standing dead timber including logs BAM constraints met: Yes. Not found during seasonal targeted surveys
Crowned Gecko	*Lucasium stenodactylum*	BAM Habitat Constraint: None. Not found during seasonal targeted surveys.
Desert Mouse	*Pseudomys desertor*	BAM Habitat Constraint: None. Not found during seasonal targeted surveys.
Painted Burrowing Frog	*Neobatrachus pictus*	BAM Habitat constraints: None BAM Survey Requirements not met - Expert Report provided (Appendix A-7)
Pink Cockatoo	*Lophochroa leadbeateri*	BAM Habitat constraints: Hollow bearing trees; Living or dead tree with hollows greater than 10 cm diameter. BAM Habitat constraints met: Yes. No active breeding habitat or behaviour observed during seasonal targeted surveys.
Red-lored Whistler	*Pachycephala rufogularis*	BAM Habitat constraint: None. Not found during seasonal targeted surveys.
Regent Parrot (eastern subspecies)	*Polytelis anthopeplus monarchoides*	Habitat constraints: Hollow bearing trees; Living or dead E. camaldulensis with hollows greater than 5 cm diameter, greater than 5 m above the ground OR trees

		with DBH of greater than 40 cm, within 1 km of watercourses or billabongs. Trees can be isolated but within 20 km of mallee. Geographic Limitations: Within 30 km of the Murray and Murrumbidgee Rivers. Geographic limitation met: No. Site located more than 45 km from Murray and Murrumbidgee Rivers. Not found during seasonal targeted surveys.
Southern Hairy-nosed Wombat	*Lasiorhinus latifrons*	BAM Habitat Constraint: None. Not found during seasonal targeted surveys.
Southern Myotis	*Myotis macropus*	BAM Habitat Constraint: Waterbodies; Waterbodies with permanent pools/stretches 3 m or wider, including rivers, large creeks, billabongs, lagoons, estuaries, dams and other waterbodies, on or within 200 m of the site. BAM constraints met: Yes. No ultrasonic calls detected during seasonal targeted surveys within suitable habitat 200m from waterbodies located outside the Subject Land.
Square-tailed Kite	*Lophoictinia isura*	BAM Habitat Constraint: Nest trees. BAM Habitat constraint met: Yes. Not found during seasonal targeted surveys.
White-bellied Sea-Eagle	*Haliaeetus leucogaster*	BAM Habitat Constraint: Living or dead mature trees within suitable vegetation within 1 km of rivers, lakes, large dams or creeks, wetlands and coastlines. BAM constraints met: Yes. Not found during seasonal targeted surveys.

4.3 Target Survey Methods

Targeted surveys were undertaken from 11 November 2024 to 12 November 2025, for the Species Credit Species identified in Table 42 and assessed by a BAM Accredited Person under the Bio. Aus. Scientific License and Animal Research Authority. A detailed description of the survey methods used is provided in the following sections.

4.3.1 Weather Conditions

Weather conditions during the field survey were appropriate for the detection of target Species Credit Species. A summary of weather conditions in the wider LGA (BOM Weather Station 076031– Mildura – VIC and Station 047016 Lake Victoria NSW – Approximately 43km away) during the field surveys is provided in Table 43.

Table 43: Weather conditions during field surveys

Date	Minimum Temp.	Maximum Temp.	Rainfall (mm)	Wind Direction	Wind Speed (KM/h)
2024 11th November	16.7	29.2	0	-	Calm
12th November	17.6	31.9	0.5	S	2
13th November	14.9	26.2	25	-SW	11
14th November	10.4	26.3	0	-SSE	6
15th November	10.7	29.8	0	E	4
16th November	15.6	37	0	N	2
17th November	20.5	25.9	-	W	15
18th November	9.9	26.7	0.6	SW	11
19th November	11.3	27.7	0	S	11
20th November	11.7	30.4	0	E	4
21st November	13	35.9	0	ESE	2
22nd November	21.5	37.5	0	-	Calm
23rd November	21.9	37.9	0	-	Calm
24th November	20.4	23.2	1.6	-	Calm
25th November	19	24.3	30	-	-
26th November	19.3	32.4	7	-	-
27th November	20.1	28.4	13.6	W	13
28th November	14.3	27.1	0.2	WSW	6
29th November	15.6	32.3	0	-	-
4th December	13	30.2	0	SSE	2
5th December	18	38.7	0	-	-
6th December	24.4	37.6	0	-	-
7th December	20.6	36.5	0	SSW	Calm
8th December	12.3	28.5	0	-	-
9th December	16.4	28.8	0	S	4

10th December	15.5	30.6	0	S	6
11th December	14	29.5	0	SW	4
12th December	14.2	32.2	0	-	Calm
13th December	16.3	32.4	0	SW	4
14th December	15.7	36.8	0	S	2
2025 7th January	12	29.7	2	SE	6
8th January	15.2	35.7	0	-	-
9th January	23	36.3	0	-	-
10th January	17	37.2	1.2	SSE	2
11th January	19.6	38.3	0.2	-	-
12th January	19.8	39.6	0	SSW	4
13th January	21.5	39.3	0	-	Calm
14th January	22.6	41.4	0	-	Calm
15th January	22.8	29.4	0	WSW	6
16th January	12.4	28.2	0	SSW	6
3rd February	24.2	38	0	E	2
4th February	23.1	41.5	0	SE	-
5th February	18.4	35.3	0	SSW	9
6th February	18.8	40.5	0	W	2
7th February	23.9	38.3	0	SSW	7
8th February	17.1	32.6	0	SSE	9
9th February	16.1	33.4	0	SSE	4
10th February	17.2	34.9	0	SSE	-
11th February	19.6	37.2	0	SE	-
12th February	19.8	40.6	0	ENE	-
13th February	27.6	36.2	0	NE	-
14th February	14.6	29.3	0	WSW	-
17th February	9.7	27.9	0	ESE	4
18th February	11.5	30.9	0	-	-
19th February	12.3	27.8	0	S	9
20th February	12.7	28.8	0	SE	7
21st February	13.2	35.1	0	SE	4
22nd February	17.4	41.4	0	-	-
23rd February	26.2	33.3	0	SW	6
24th February	12.7	31.4	0	-	Calm
25th February	14.2	35.2	0	-	Calm
6 August	8.0	19.0	0	W	2
7 August	7.0	17.0	0	S	2
8 August	6.0	16.0	0		
9 August	9.0	19.0	0.1	E	2

10 August	10.5	21.0	0	E	2
11 August	8.0	22.0	0	-	Calm
27 October	16	20	0	SW	11
28 October	7	23	0	S	9
29 October	9	-	0	E	2
4 November	7	20	6	W	13
5 November	10	25	0	w	6
6 November	14	24	0	Calm	0
7 November	15	33	0	Calm	0
8 November	12	23	0	S	19
9 November	8	24.5	0	S	9
10 November	8.5	25	0	S	9
11 November	10	22	0	SW	9
12 November	5	25	0	S	2

4.3.2 Targeted Survey – Flora Species Credit Species

Targeted surveys for nineteen (19) threatened flora species were undertaken over the Development Footprint between 11th – 30th November 2024, 27th–29th October 2025 and 4th – 12th November 2025.

The nineteen targeted threatened flora species are comprised of numerous different life forms which occur across three different strata.

Stratum 1 - Trees and Tall shrubs >1 metre: Six (6) species of trees, medium and tall shrubs occur in and above the shrub layer.

Stratum 2 - Subshrubs <1 metre: Two (2) species of subshrubs occur in the lower shrub layer.

Stratum 3 - Herb, form, grass and orchid <1 metre: Eleven (11) species of herbs, forbs, grasses and orchids occur within the ground stratum from ground level up to 1 m (Stratum 3).

See Table 44 below for a list of species surveyed for together within each vegetation stratum.

4.3.2.1 Two-phase grid-based systematic survey approach for large areas

The large area survey method for the target species followed the *Surveying Threatened Plants and Their Habitats* and the *NSW Survey guide for the Biodiversity Assessment Method 2020* consisting of botanists walking over large areas of suitable habitat using a two-phase grid-based systematic survey approach. Survey locations were positioned on a 100 m grid intersect, facilitating planning and enabling rapid assessment across larger areas. At each survey location (grid intersect), a 40 m diameter area was surveyed (Figure 45, Figure 46, Figure 47, Figure 48, Figure 49, Figure 50 and Figure 51). This survey technique typically involves searches along a grid of parallel traverses within the Subject Land.

Several threatened plant species were searched for during the same traverse. However, to ensure detectability was not compromised the survey followed methodology recommended in section 5.1 (page 16) of the Surveying threatened plants and their habitats – NSW survey guide for the Biodiversity Assessment Method (DPIE 2020); where multiple-species searches are required within one PCT, searches must be restricted to a maximum of five species in the same stratum (i.e. search for five ground species, five mid-layer species or five canopy species) per traverse (Table 45). The surveys were conducted within the area covered by the 100-square-metre grid, as the habitat and life forms were similar to the same type and have the same optimal survey time as specified by the TBDC.

If the initial 100 m grid survey (nested within a one-square-kilometre topographic map grid) fails to detect the target species, no further surveys are required in that location (BAM, 2020).

During all large area targeted threatened flora searches, no more than five (5) flora species were searched for simultaneously PCT.

4.3.2.2 Small area 10 m parallel field traverses

For search areas less than 50 ha, targeted surveys for threatened flora species were undertaken over the Development Footprint between 27th-29th October and 4th - 12th November 2025.

The survey method for the small area target flora species followed the *Surveying Threatened Plants and Their Habitats* and the *NSW Survey guide for the Biodiversity Assessment Method 2020,* consisting of botanists walking over areas of suitable habitat using the parallel traverse survey technique, which involves searching along a grid of parallel traverses a set distance apart.

Searches for herbs, forbs, grasses and Orchid species were conducted in open vegetation by applying 10 m field traverses.

Searches for trees, tall shrubs (>6 metres), medium shrubs (1-6 metres), sub-shrubs (including chenopods) <1 metre, were conducted in both open and dense vegetation by applying 10 metre field traverses.

Where more than five (5) species required searches in the same vegetation stratum, two surveyors walked the same transect and searched for separate species. This was to ensure detectability was not compromised. This requirement was only needed where 14 threatened flora species are associated with PCT 170. Seven (7) herbs/forbs (to 0.5 metre), five (5) tree/tall-medium shrubs (1-6 metre) and three (2) sub-shrubs (to 1 metre). Each surveyor searched for 3 or 4 herb/forb species and then divided the remaining seven (7) trees and shrubs equally, allocating the seven (7) species between surveyors, thus ensuring no more than 5 species were searched for within each stratum and the search methodology criteria from section 5.1 (page 16) of the Surveying threatened plants and their habitats – NSW survey guide for the Biodiversity Assessment Method (DPIE 2020) was met.

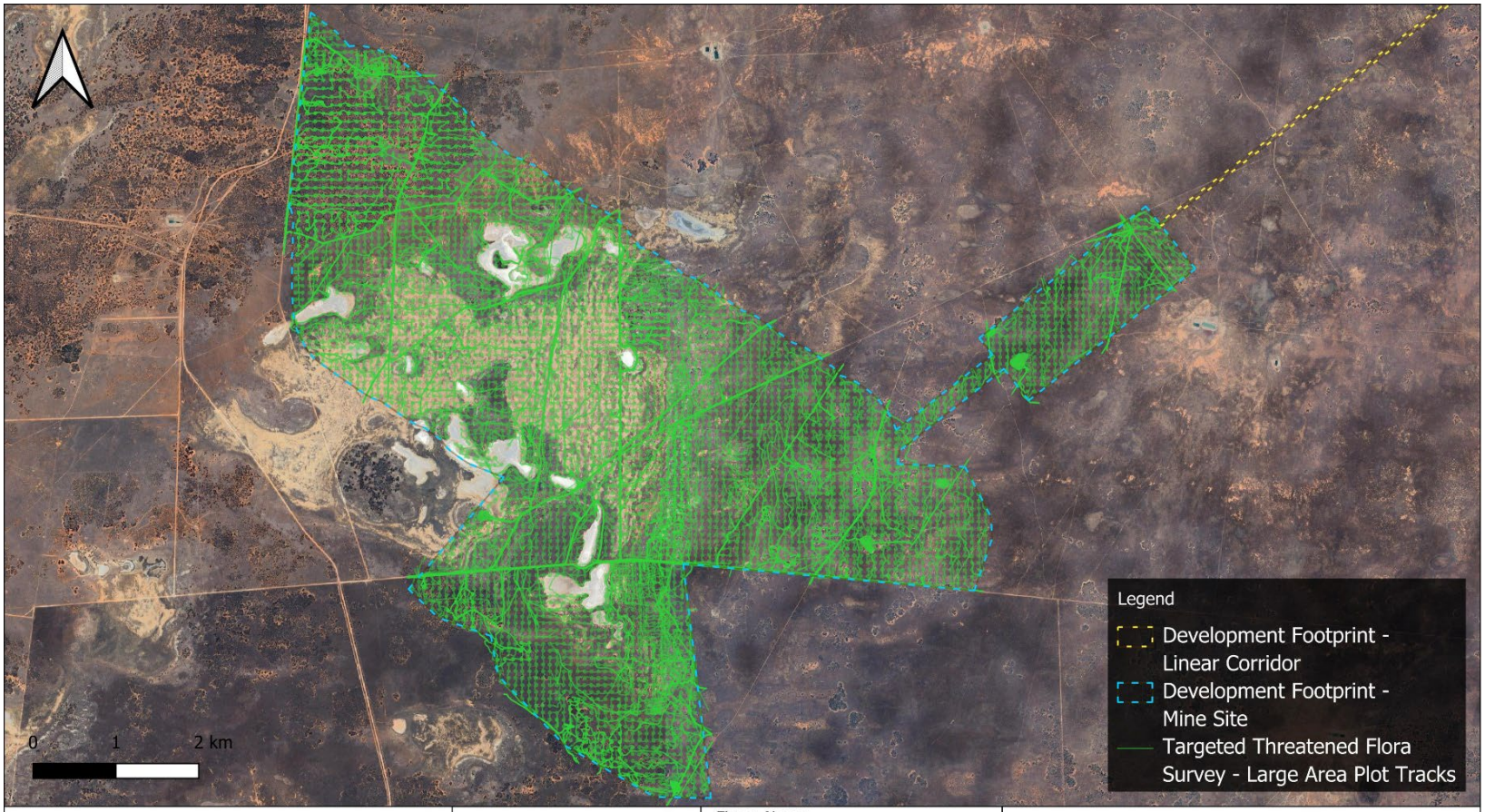
Each threatened species was surveyed within the required survey timing window as listed in the TBDC.

During all small area targeted threatened flora searches, no more than five (5) flora species were searched for simultaneously in any PCT vegetation stratum.

Table 44: Threatened species surveyed together in associated PCTs

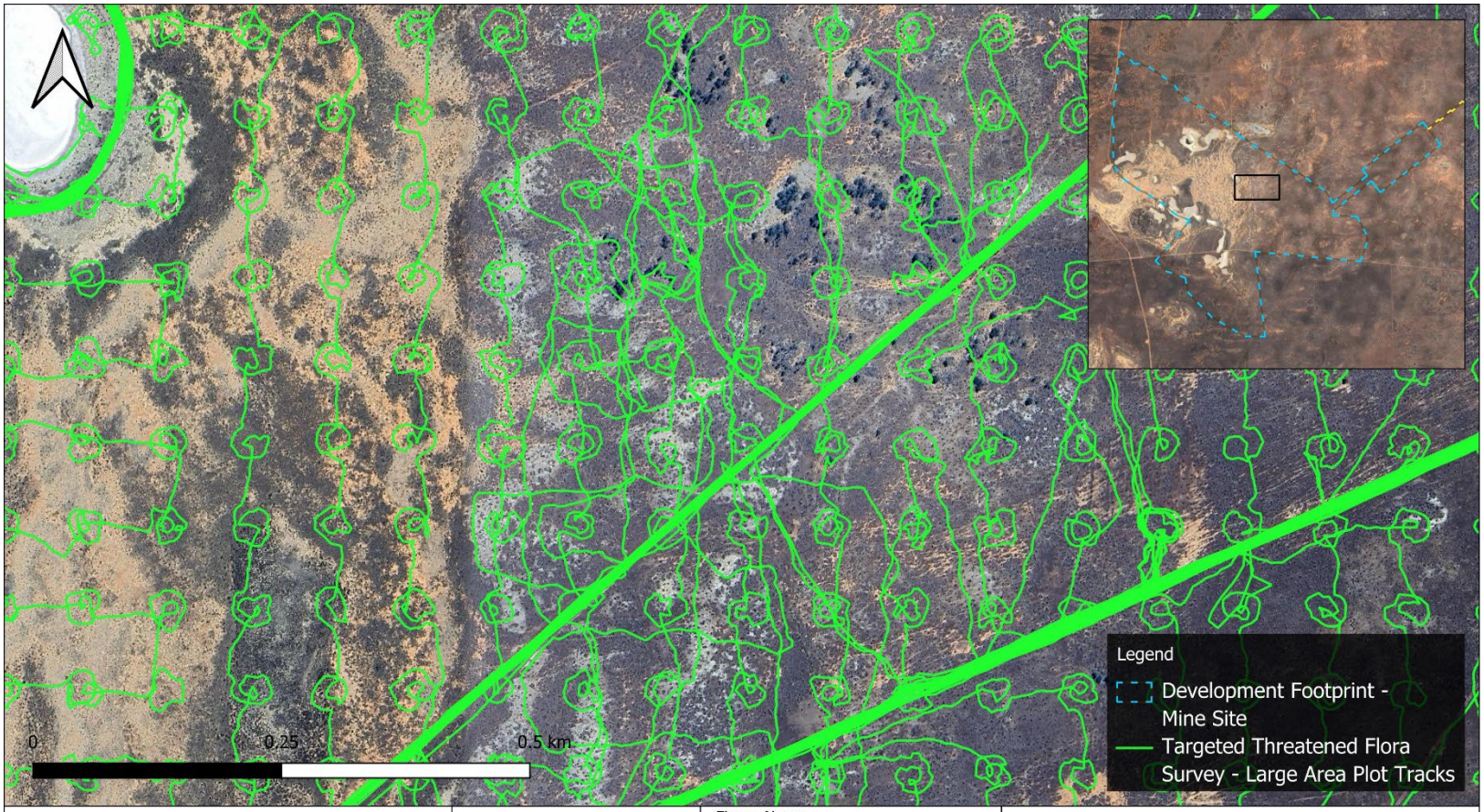
PCT	Associated Species (TBDC)	Stratum 1 Trees, Tall & Medium Shrubs 1-6 m	Stratum 2 Sub-shrubs 1m	Stratum 3 Herbs, Forbs, Grasses & Orchids <1 m	No. of Species Searched simultaneously	Area (ha)	Survey Methodology	Surveyors per transect	VZ IDs
28	*Austrostipa metatoris & Swainsona sericea*		-	*Austrostipa metatoris & Swainsona sericea*	2	0.77	Small Area 10 m Parallel field traverses	1	LC-VZ#1-28_Mod, MS-VZ#1-58_Mod
58	*Acacia carneorum, Cratystylis conocephala*	*Acacia carneorum*	*Cratystylis conocephala*	-	2	238.4	Large Area Two Phase survey plots	1	LC-VZ#2-58_Mod
64	-	-	-	-	0	641.1	Large Area Two Phase survey plots	0	MS-VZ#2-64_Mod
143	*Calotis moorei, Kippistia suaedifolia,*	-	-	*Calotis moorei & Kippistia suaedifolia*	2	17.52	Small Area 10 m Parallel field traverses	1	LC-VZ#3-143_Mod
152	*Atriplex infrequens, Austrostipa nullanulla, Brachyscome papillosa, Calotis moorei*	-	-	*Atriplex infrequens, Austrostipa nullanulla, Brachyscome papillosa & Calotis moorei*	4	250.4	Large Area Two Phase survey plots	1	MS-VZ#3-152_Mod
154	*Austrostipa nullanulla, Brachyscome papillosa, Calotis moorei, Kippistia suaedifolia*	-	-	*Austrostipa nullanulla, Brachyscome papillosa, Calotis moorei & Kippistia suaedifolia*	4	1670	Large Area Two Phase survey plots	1	LC-VZ#4-154_Mod, MS-VZ#4-154_Mod
157	*Atriplex infrequens, Brachyscome papillosa & Calotis moorei*	-	-	*Atriplex infrequens, Brachyscome papillosa & Calotis moorei*	3	495.4	Large Area Two Phase survey plots	1	MS-VZ#5-157_Mod, MS-VZ#6-157_High
170	*Acacia acanthoclada, Atriplex infrequens, Austrostipa metatoris, Calotis moorei, Cratystylis*	*Acacia acanthoclada, Dodonaea stenozyga, Lasiopetalum behrii,*	*Cratystylis conocephala*	*Atriplex infrequens, Austrostipa metatoris, Calotis moorei, Lepidium*	14	15.59	Small Area 10 m Parallel field traverses	2	LC-VZ#5-170_Mod,

PCT	Associated Species (TBDC)	Stratum 1 Trees, Tall & Medium Shrubs 1-6 m	Stratum 2 Sub-shrubs 1m	Stratum 3 Herbs, Forbs, Grasses & Orchids <1 m	No. of Species Searched simultaneously	Area (ha)	Survey Methodology	Surveyors per transect	VZ IDs
	conocephala, Dodonaea stenozyga, Lasiopetalum behrii, Lepidium monoplocoides, Leptorhynchos waitzia, Pimelea serpyllifolia subsp. Serpyllifolia, Pterostylis cobarensis, Santalum murrayanum, Swainsona colutoides & Swainsona pyrophila	*Santalum murrayanum & Swainsona colutoides (5)*	*& Swainsona pyrophila (2)*	*monoplocoides, Leptorhynchos waitzia, Pimelea serpyllifolia subsp. Serpyllifolia & Pterostylis cobarensis (7)*			(conducted by two surveyors)		MS-VZ#7-170_Mod
171	*Acacia acanthoclada, Cratystylis conocephala, Dodonaea stenozyga, Lasiopetalum behrii, Pimelea serpyllifolia subsp. Serpyllifolia, Pterostylis cobarensis, Santalum murrayanum, Swainsona colutoides & Swainsona pyrophila*	*Acacia acanthoclada, Dodonaea stenozyga, Lasiopetalum behrii, Santalum murrayanum & Swainsona colutoides (5)*	*Cratystylis conocephala & Swainsona pyrophila (2)*	*Pimelea serpyllifolia subsp. Serpyllifolia & Pterostylis cobarensis (2)*	9	12.11	Small Area 10 m Parallel field traverses	1	LC-VZ#6-171_Mod, MS-VZ#8-171_Mod
215	*Atriplex infrequens & Swainsona sericea*	-	-	*Atriplex infrequens & Swainsona sericea*	2	5.91	Small Area 10 m Parallel field traverses	1	MS-VZ#9-215_Mod, MS-VZ#10-215_High
221	*Cratystylis conocephala*	-	*Cratystylis conocephala*	-	1	395.1	Large Area Two Phase survey plots	1	MS-VZ#11-221_Mod, MS-VZ#12-221_High
253	*Austrostipa nullanulla & Kippistia suaedifolia*	-	-	*Austrostipa nullanulla & Kippistia suaedifolia*	2	139.7	Large Area Two Phase survey plots	1	MS-VZ#13-253_Mod
254	*Leptorhynchos waitzia*	-	-	*Leptorhynchos waitzia*	1	1.16	Small Area 10 m Parallel field traverses	1	MS-VZ#14-254_Mod



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Targeted Threatened Species Survey - Large Area - Development Footprint - Mine Site	Biodiversity AUSTRALIA	
	Drawn by: NE	Location: Warwick Station		
	Date: November 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
				Scale: 1:60000

Figure 45: Large area targeted threatened flora surveys within the Development Footprint – Mine Site



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Large Area Targeted Threatened Flora Survey Tracks - Development Footprint - Mine Site	Biodiversity AUSTRALIA
	Drawn by: NE	Location: Warwick Station	
	Date: November 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872
			Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:5000

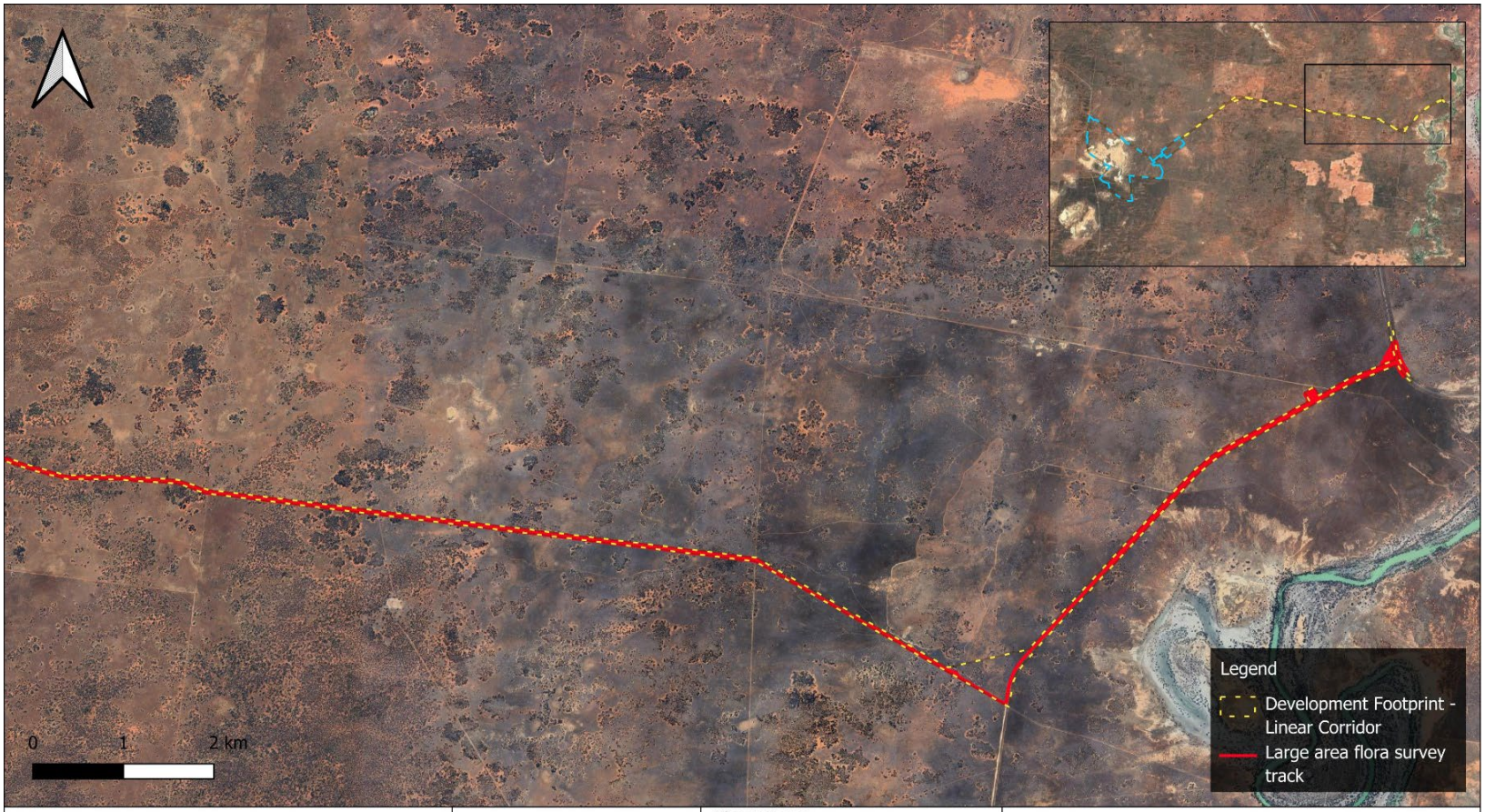
Figure 46: Large area targeted threatened flora survey tracks within the Development Footprint – mine Site



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.

Project Manager: NC	Figure Name: Targeted Threatened Species Survey - Large Area - Development Footprint - Linear Corridor 1/2	Biodiversity AUSTRALIA	
Drawn by: NE	Location: Warwick Station		
Date: November 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:55000

Figure 47: Large area targeted threatened flora surveys within the Development Footprint – Linear Corridor 1 / 2



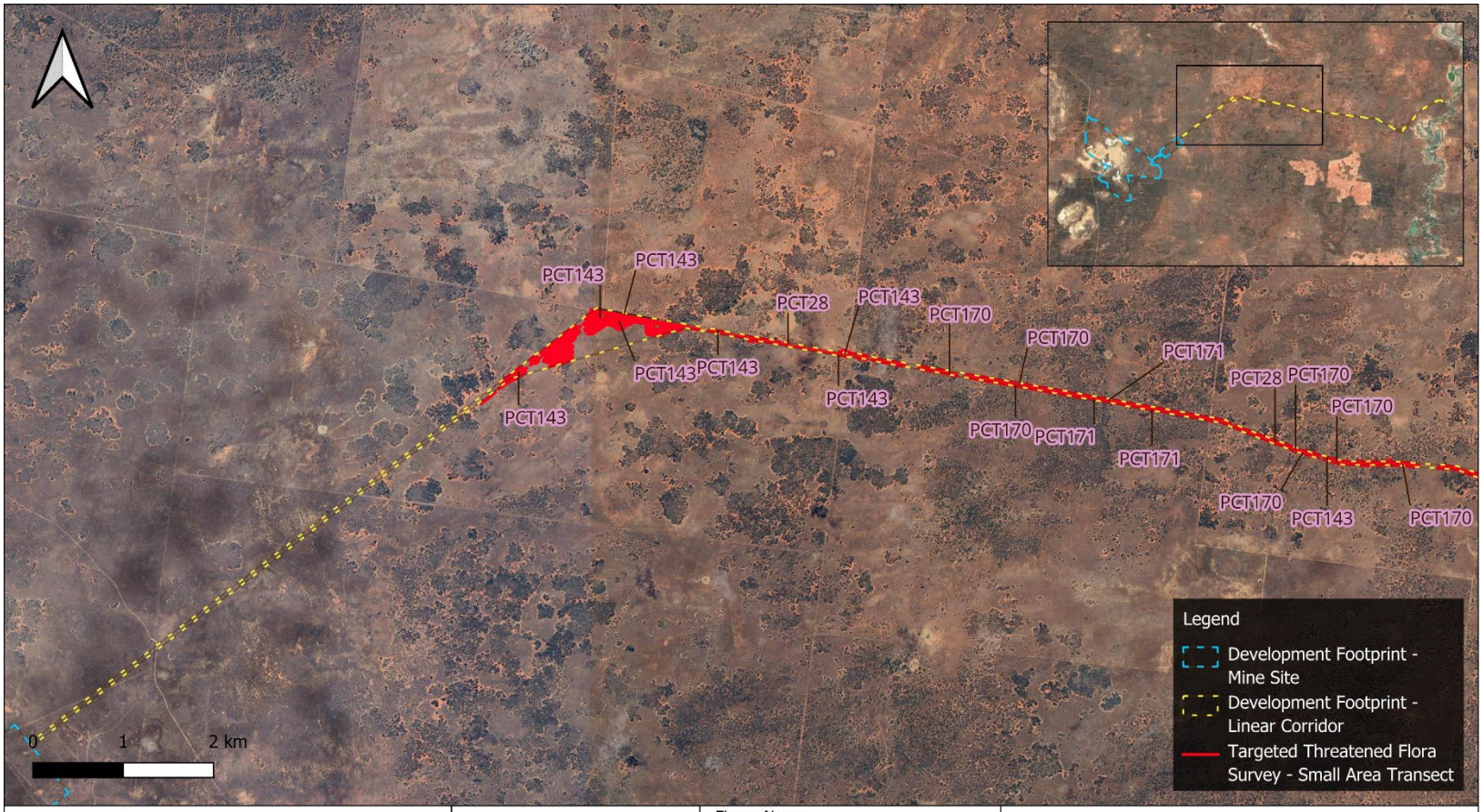
This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Targeted Threatened Species Survey - Large Area - Development Footprint - Linear Corridor 2/2	Biodiversity AUSTRALIA	
	Drawn by: NE	Location: Warwick Station		
	Date: November 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54 Scale: 1:55000

Figure 48: Large area targeted threatened flora surveys within the Development Footprint – Linear Corridor 2 / 2



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Targeted Threatened Species Survey - Small Area - Development Footprint - Mine Site	Biodiversity AUSTRALIA	
	Drawn by: NE	Location: Warwick Station		
	Date: November 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
				Scale: 1:60000

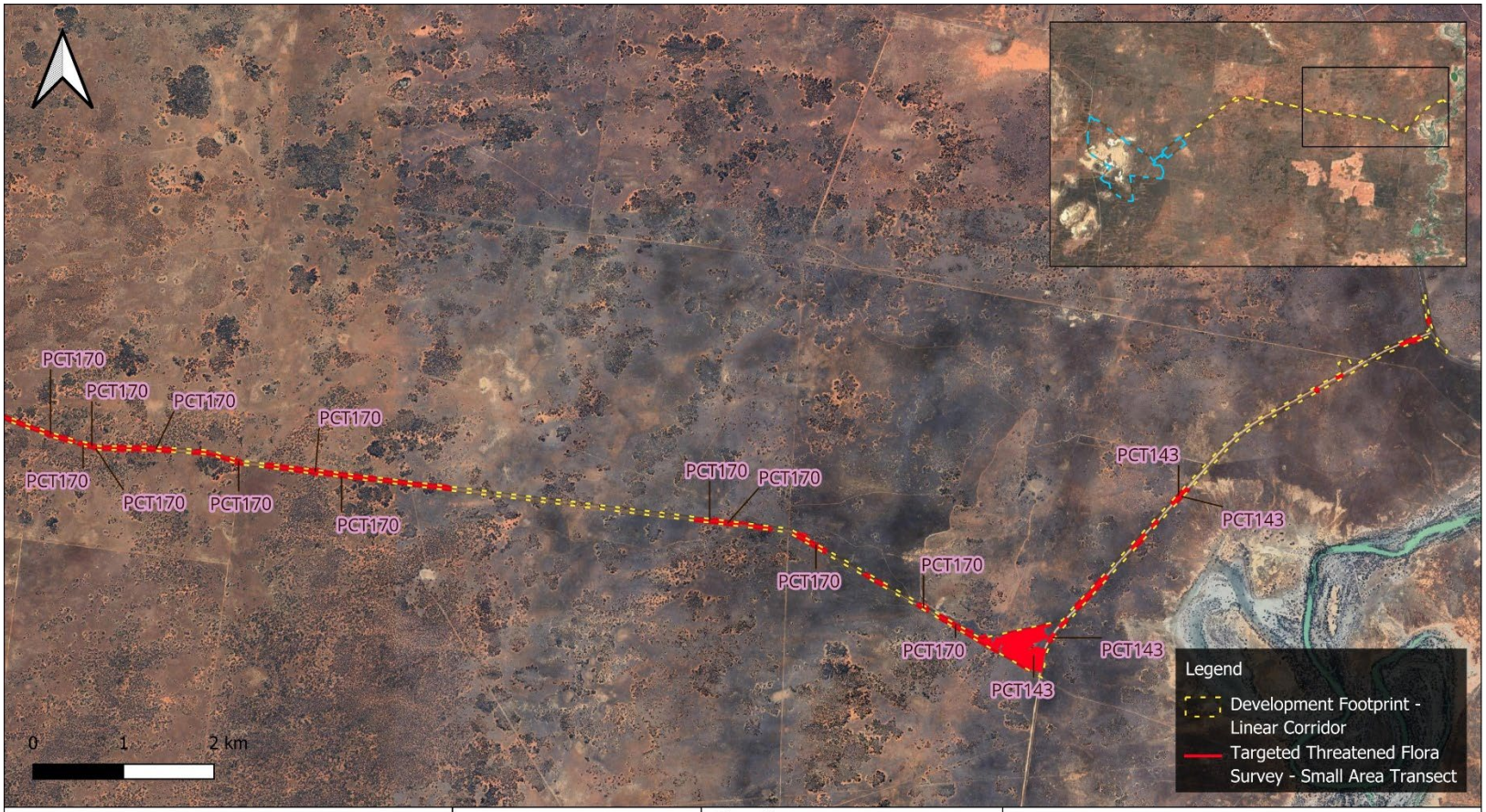
Figure 49: Small area targeted threatened flora surveys within the Development Footprint – Mine Site



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.

Project Manager: NC	Figure Name: Targeted Threatened Species Survey - Small Area - Development Footprint - Linear Corridor 1/2	Biodiversity AUSTRALIA	
Drawn by: NE	Location: Warwick Station		
Date: November 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:55000

Figure 50: Small area targeted threatened flora surveys within the Development Footprint – Linear Corridor 1 / 2



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Targeted Threatened Species Survey - Small Area - Development Footprint - Linear Corridor 2/2	Biodiversity AUSTRALIA
	Drawn by: NE	Location: Warwick Station	
	Date: November 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872
			Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:55000

Figure 51: Small area targeted threatened flora surveys within the Development Footprint – Linear Corridor 2 / 2

Table 45: Threatened plant species grouped by stratum and survey period

Common Name	Scientific Name	BC Status	Survey Timing required	Survey Timing conducted	Survey Method Applied
Tree / Shrub / Sub-shrub					
Harrow Wattle	*Acacia acanthoclada*	Endangered	Aug-Nov	November	Small Area 10 m Parallel field traverses
Purple-wood Wattle	*Acacia carneorum*	Vulnerable	All year	12-29 November 2024 & 4-12 November 2025	Two-phase grid-based System
Bluebush Daisy	*Cratystylis conocephala*	Endangered	All year	November	Two-phase grid-based System
Desert Hopbush	*Dodonaea stenozyga*	Critically Endangered	All year	November	Small Area 10 m Parallel field traverses
Fleshy Minuria	*Kippistia suaedifolia*	Endangered	All year	November	Two-phase grid-based System
Pink Velvet Bush	*Lasiopetalum behrii*	Critically Endangered	All year	November	Small Area 10 m Parallel field traverses
Thyme Rice-Flower	*Pimelea serpyllifolia subsp. serpyllifolia*	Endangered	Jul-Nov	November	Small Area 10 m Parallel field traverses
Bitter Quandong	*Santalum murrayanum*	Endangered	All year	November	Small Area 10 m Parallel field traverses
Bladder Senna	*Swainsona colutoides*	Endangered	All year	November	Small Area 10 m Parallel field traverses
Yellow Swainson-pea	*Swainsona pyrophila*	Vulnerable	Sep-Nov	November	Small Area 10 m Parallel field traverses
Forb					
A Saltbush	*Atriplex infrequens*	Vulnerable	Nov-Feb	November	Two-phase grid-based System
Mossgiel Daisy	*Brachyscome papillosa*	Vulnerable	Sep-Nov	November	Two-phase grid-based System
A Burr-daisy	*Calotis moorei*	Endangered	Sep-Nov	November	Two-phase grid-based System
Winged Peppercress	*Lepidium monoplocoides*	Endangered	Sep-Dec	November	Small Area 10 m Parallel field traverses
Button Immortelle	*Leptorhynchos waitzia*	Endangered	Sep-Nov	November	Small Area 10 m Parallel field traverses
Greenhood Orchid	*Pterostylis cobarensis*	Vulnerable	Oct	October 2025	Small Area 10 m Parallel field traverses
Silky Swainson-pea	*Swainsona sericea*	Vulnerable	Sep-Nov	November	Small Area 10 m Parallel field traverses
Grass					
A Spear-grass	*Austrostipa metatoris*	Vulnerable	Oct-Nov	November	Small Area 10 m Parallel field traverses
A Spear-grass	*Austrostipa nullanulla*	Endangered	Sep-Dec	November	Two-phase grid-based System

Austrostipa nullanulla was recorded within the Mine Site Development area. As a result the finer-scale grid surveys were used to locate and map the population extent, which along with identification of suitable habitat areas containing gypsum derived soils associated with salt lakes, land containing gypseous lunettes and Copi rises defined the extent of the species polygon. This subsequent phase

ensured a greater intensity of survey effort in locations where the target species and it's suitable habitat occurs.

Targeted threatened flora species plot traverses are a pre-determined distance apart depending on the plant life form type and the density of vegetation cover. The entire extent of potential habitat for each target plant species was searched. Due to the density of vegetation occurring within the Subject Land, traverses were conducted along all vegetated areas and guided by 10 m parallel traverses with occasional random meandering to inspect for smaller or more cryptic species.

Opportunistic searches for threatened flora species were also undertaken during the vegetation plot surveys as well as during other survey-related activities within the Subject Land.

4.3.2.3 *Tecticornia lylei* surveys

In addition to the targeted threatened flora species surveys outlined above, while not a listed threatened species, Biodiversity Australia conducted searches for *Tecticornia lylei* (the dominant flora species in PCT 65 *Halosarcia lylei* low, open shrubland saline wetland of arid and semi-arid regions, which is associated with the BC Act-listed *Tecticornia lylei* EEC) on saline clay soils in salt lake beds and within 50 m perimeters of larger lakes in the mine site, shown in Figure 52. No suitable areas are located within the linear corridor area. No *T. lylei* individuals or communities were found during targeted searches, a finding consistent with the site's lack of grading into Bladder Saltbush shrubland or Black Oak woodland near lake margins (unlike nearby known sites such as Nanya Station, located 60 km north of the mine site).

4.3.2.4 Bluebush Daisy (*Cratystylis conocephala*) and Fleshy Minuria (*Kippistia suaedifolia*) surveys

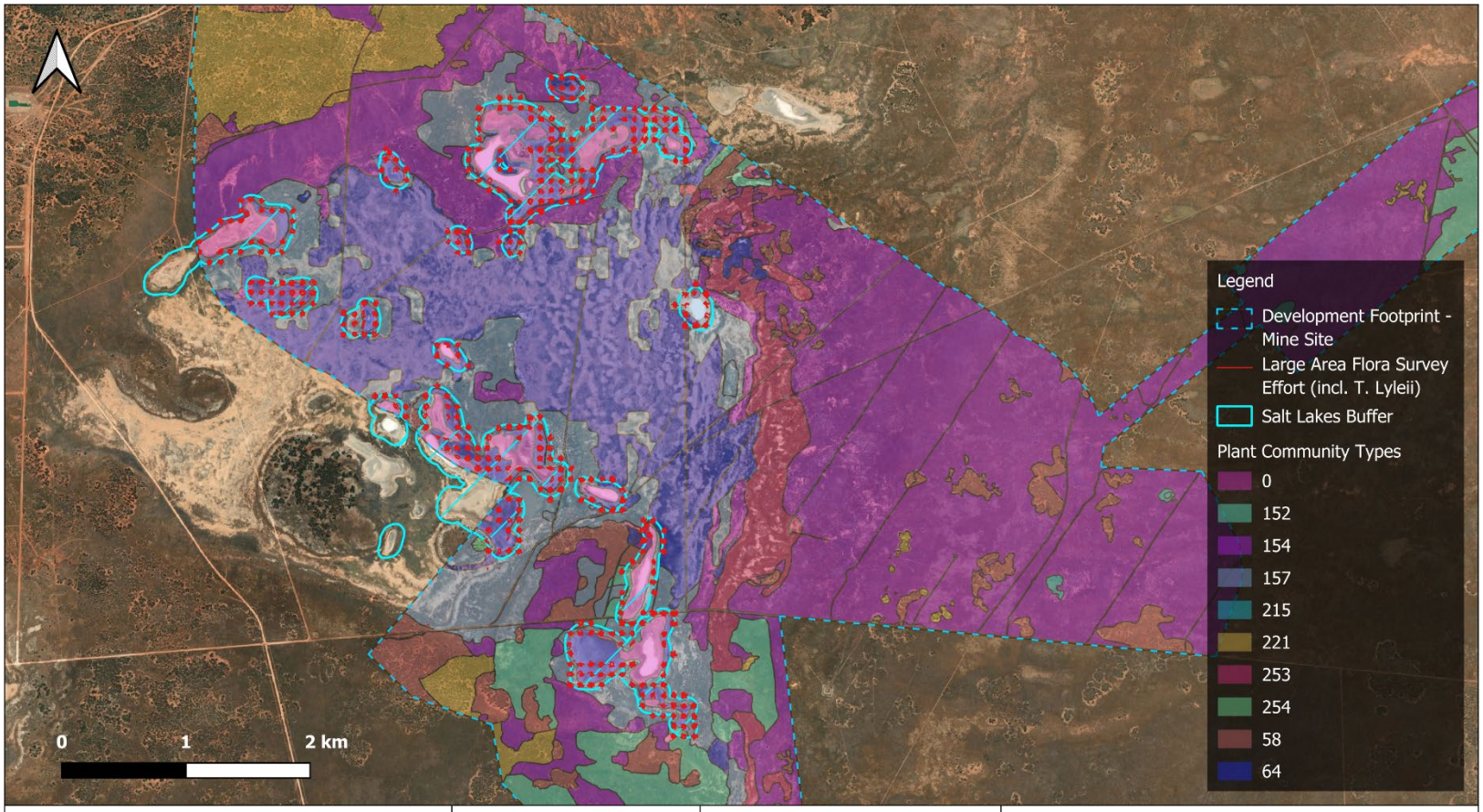
Biodiversity Australia conducted additional targeted flora surveys in November 2025 to address identified gaps in the original November 2024 flora survey effort for Bluebush Daisy (*Cratystylis conocephala*) and Fleshy Minuria (*Kippistia suaedifolia*). These efforts confirm that the minimum survey requirements have been met, and no assumptions of presence are necessary, as no individuals of either species were detected.

Targeted large-area threatened flora surveys were conducted throughout the entirety of PCT 221 for *Cratystylis conocephala* (Bluebush Daisy) between 4–12 November 2025. No individuals were recorded, consistent with the species' absence during prior seasonal surveys.

Similarly, targeted large-area threatened flora surveys were conducted throughout the associated PCTs (143, 154, and 253, as these are the only relevant PCTs occurring on the Subject Land from the TBDC list: 18, 143, 153, 154, 166, 253, and 262), plus saline lakes, depressions, and claypans with gypseous or calcareous soils, gypseous dunes, and within 50 m of those areas, for *Kippistia suaedifolia* (Fleshy Minuria) between 4–12 November 2025. The saline lakes present within the Subject Land are barren and inhospitable to Fleshy Minuria, with surveys intersecting portions of these features as shown in Figure 53. The aforementioned habitat constraints occur throughout the Subject Land across varying PCTs, totalling 105.95 ha where these PCTs and constraints overlap. This allowed for Fleshy Minuria to be surveyed using the two-phase large-area threatened flora survey method in November 2025, within the TBDC-required timing window.

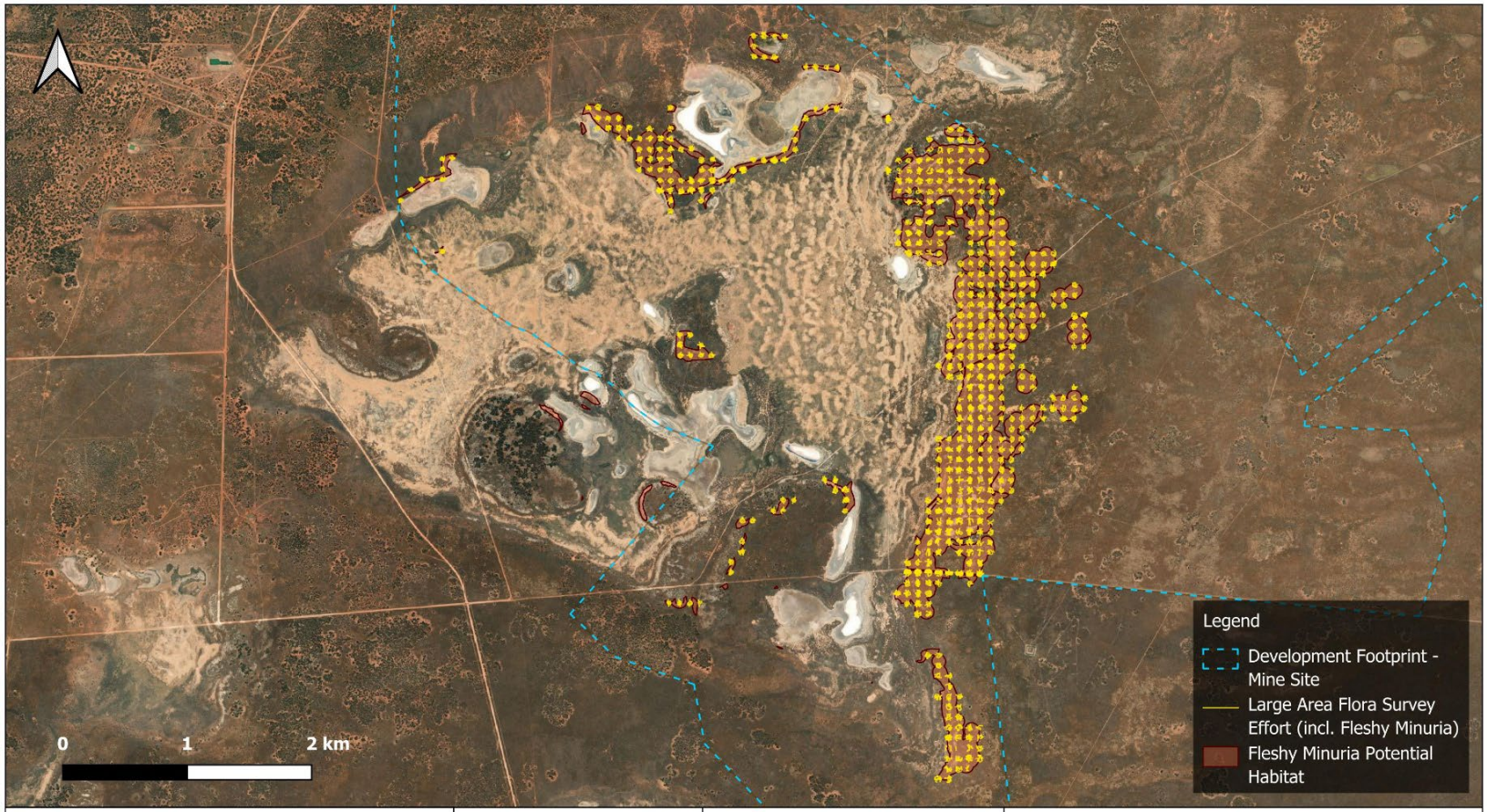
Targeted threatened flora surveys conducted in November 2025 covered the entirety of potential habitat for Fleshy Minuria, resulting in a total of 32.2 km surveyed with a 10 m transect width, equating to 32.2 ha of potential habitat within the Subject Land. The tracks provided in the previous BDAR depicted that some large area circles for Fleshy Minuria had less coverage within the 40-metre diameter circles than others. It should be clear, that the large area survey method calls for the following effort within Section 4.4.1 "At each survey location (grid intersect), a 40-metre diameter area (Circle/s) (1256-square-metre circular area)

must be systematically surveyed for the target species." As the Biodiversity Australia survey correctly allocated the 40 metre diameter circles, attended each circle and systematically searched each circle, with the effort applied being relative to *Suitable Habitat* within that Circle. As a result, the requirements of the BAM and the Surveying threatened plants and their habitats NSW survey guide for the Biodiversity Assessment Method 2020 have been fulfilled. In addition, of the required 5,505 large area two-phase grid-based 40 m diameter circular search plots across the entirety of the mine site, 197 plots were identified within potential habitat for Fleshy Minuria. Of these, 65 plots were perceived to have a lower coverage in 2024. Eight additional plots were subsequently undertaken in 2025 to ensure full and unquestionable compliance, bringing the total compliant plots of suitable Fleshy Minuria habitat to 73.



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	Drawn by: KK	Location: Warwick Station		
	Date: November 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
				Scale: 1:40000

Figure 52: *Tecticornia lylei* Targeted Survey Effort



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	Drawn by: NE	Location: Warwick Station		
	Date: November 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
				Scale: 1:40000

Figure 53: Fleshy Minuria (*Kippistia suaedifolia)* Targeted Surveys

4.3.3 Targeted Survey – Fauna Species Credit Species

All threatened fauna species (with the exception of the Painted Burrowing Frog (*Neobatrachus pictus*)) were surveyed in accordance with recommended survey guidelines and during recommended survey periods as detailed in the BioNet TBDC, specific threatened species survey guidelines, and/or other resources (see sections below for specific sources). Targeted threatened fauna survey results and methods are shown in Table 51. It was decided in March 2026 by the consent authority that surveys targeting the Pink Cockatoo were insufficient, and therefore an assumed presence species polygon has been prepared.

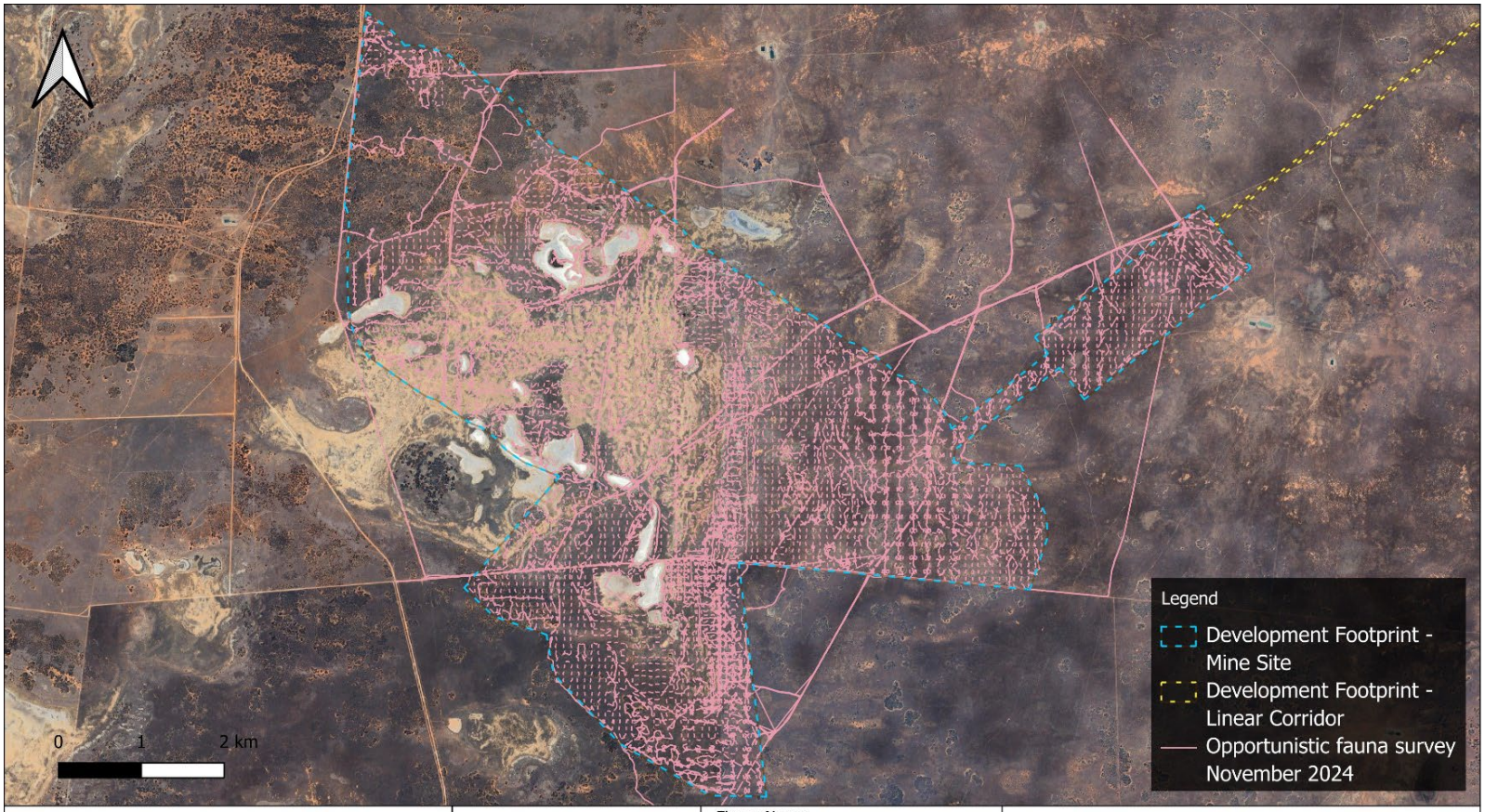
4.3.3.1 Complementary Opportunistic Fauna Surveys

Species targeted: Australian Bustard (*Ardeotis australis*), Bush Stone-curlew (*Burhinus grallarius*), White-bellied Sea-eagle (*Haliaeetus leucogaster*), Black-breasted Buzzard (*Hamirostra melanosternon*), Pink Cockatoo (*Lophochroa leadbeateri*), Square-tailed Kite (*Lophoictinia isura*), and Southern Hairy-nosed Wombat (*Lasiorhinus latifrons*).

Opportunistic fauna surveys, complementary to the method-specific targeted surveys detailed below, were conducted in slow-moving vehicles (SMV) and on foot across the entire Development Footprint between 11 November – 14 December 2024, 7-16 January, 3-14 February, 27-29 October, and 4-11 November 2025. Qualified fauna ecologists experienced in bird identification and equipped with binoculars and fauna identification resources, traversed the areas between Threatened Flora plots whilst searching for individuals and signs of wildlife. Additional surveys were conducted along tracks outside the Development Footprint (Figure 54). Surveyors paid particular attention to soaring birds, stick nests raptor nests and burrows. All other species encountered incidentally were also recorded. The complementary opportunistic fauna surveys covered approximately 1958.70 km (Figure 54).

The surveys were guided by the threatened species survey guidelines for the Pink Cockatoo, listed within the NSW BioNet Threatened Biodiversity Database Collection (TBDC) and the NSW Biodiversity Assessment Method (BAM) 2020 Section 5.3 and subsections 5.2.1 – 5.2.3. Where specific survey details were not available (e.g. hollow height, survey duration), further information was sourced from published literature, including:

- NSW Threatened Biodiversity Survey and assessment guidelines for development and activities Working Draft (DEC 2004),
- Handbook of Australian, New Zealand & Antarctic Birds: volume 4 parrots to dollarbird (Higgins 1999),
- NSW Field Survey Method Guidelines (DPI 2008),
- Conservation Advice for *Lophochroa leadbeateri leadbeateri* (Eastern Major Mitchell's Cockatoo) (DCCEEW 2023),
- Survey guidelines for Australia's threatened birds - Guidelines for detecting birds listed as threatened under the EPBC (DEWHA 2017), and
- Draft Regional Biodiversity Survey and Assessment Guidelines (NPWS & SMEC 2001).



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Locations Complimentary Opportunistic Fauna Survey - Development Footprint - Mine Site	Biodiversity AUSTRALIA	
	Drawn by: NE	Location: Warwick Station		
	Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54 Scale: 1:60000

Figure 54: Locations of complimentary opportunistic targeted threatened fauna surveys within the Development Footprint – Mine Site

4.3.3.1.1 Habitat Constraints

Desktop assessments and field surveys within the Development Footprint included assessment of habitat constraints and microhabitats for fauna Species Credit Species. This included desktop assessment of the proximity of the Development Footprint to features such as caves, wetlands and waterways and field inspection of microhabitats including leaf litter, stick nests and Hollow Bearing Trees etc.

The fauna surveys undertaken by Biodiversity Australia spanned from November 2024 to August 2025. The EnviroKey fauna surveys were conducted between January 2018 and January 2024. EnviroKey records obtained prior to June 2020 were discarded due to these being gathered outside the 5-year period.

Surveys were undertaken by Accredited Persons and ecologists under both Biodiversity Australia and EnviroKey's scientific licenses and animal research authority. The methods per survey measure are detailed below.

4.3.3.1.2 Habitat Evaluation

Large area field traverses were the main survey method employed to assess the suitability of habitats for threatened species observed in the Assessment Area, or in broadly similar habitats in the region. Habitats within and adjacent to the Development Footprint were defined and assessed according to parameters such as:

- Structural and floristic characteristics of the vegetation e.g. understorey type and development, crown depth, groundcover density, etc.
- Degree and extent of disturbance e.g. fire, grazing by livestock/feral goats, logging, weed invasion, modification to structure and diversity, etc.
- Presence of water in any form e.g. rivers, dams, creeks, drainage lines, soaks.
- Size and abundance of hollows and fallen timber.
- Availability of shelter e.g. rocks, logs, hollows, undergrowth.
- Wildlife corridors, refuges and proximate habitat types.
- Presence of mistletoe, nectar, gum, seed, sap, etc. sources.

This information is considered for evaluation of the potential occurrence of threatened species on or adjacent to the site based on desktop searches including species records, cited ecology and personal experience/knowledge of the species.

Habitat evaluation was conducted from the beginning of the project (November 2024), in a systematic method in conjunction with the large area threatened flora searches which covered the entire Development Footprint.

4.3.3.2 Active Herpetological Surveys

Biodiversity Australia

Species targeted: Crowned Gecko (*Lucasium stenodactylum*)

Targeted surveys involved nocturnal spotlight, physical habitat searches, and Elliot and pitfall trapping. Concurrent Elliot and pitfall trapping surveys were undertaken within the Development Footprint between 10 – 14 December 2024. Three Elliot and pitfall trap arrays were established in suitable habitat (PCTs 171,

221), two within the Development Footprint – Mine Site and one along the Development Footprint – Linear Corridor (Figure 63 and Figure 64). The pitfall arrays consisted of a 30 m drift fence with 7 x 20 litre buckets (410 mm tall) positioned along its length. Ten 'A' sized Elliot traps were set in the area surrounding each pitfall array, each baited with a mix of peanut butter, honey, and oats. Both the Elliot and pitfall traps were checked each morning within two hours of sunrise, and any captured fauna was identified and released. The traps were then closed and re-opened/reset within an hour of sunset the following evening. This survey effort resulted in a total of 84 pitfall trap nights and 120 Elliot trap nights.

The nocturnal spotlight surveys were conducted in suitable habitats (PCTs 154, 221) within the Development Footprint – Mine Site between 9 – 17th January 2025. The surveys were conducted by scanning for eye-shine with hand-held torches either on foot as a random meander (n = 10; ∑ effort = 756 person minutes) or in a slow-moving vehicle (n = 37; ∑ effort = 437 person minutes) (Figure 55 and Figure 56). All observations of eye shine were investigated, and each of the associated species was identified.

The physical habitat searches were also conducted in suitable habitat (PCTs 154 and 221, a combined area of 2,064.94 ha) and involved lifting timber, rocks and debris, and inspecting dense vegetation and leaf litter to locate and identify gecko species. These searches were done opportunistically during nocturnal spotlighting and other surveys. Any habitat elements that were removed during the searches were replaced in the position in which they were found.

Survey guidelines utilised: NSW Government Department of Planning and Environment (DPE) (2022): Threatened reptiles BAM survey guide.

Survey guideline requirements (per 50 ha suitable habitat):

- Four spotlight surveys spanning 120 person minutes, *or*
- Four pitfall trapping surveys spanning 72 trap days.

Survey guidelines met:

- Yes, 10 spotlight surveys on foot spanning 756 person minutes, 37 spotlight surveys in a slow-moving vehicle spanning 437 person minutes, and 3 pitfall trapping surveys spanning 84 trap days.

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Reptile hand searches were conducted by EnviroKey ecologists at 74 locations across the Development Footprint and broader Subject Land. Each survey location was systematically searched by an experienced herpetologist for a period of 30 minutes for active and inactive animals during the field surveys. Fallen timber, Spinifex Grass (live and dead), loose bark, tree and ground hollows, and loose soil and rocks were extensively searched by raking and lifting. Total survey effort was 2,220 minutes (37 hours).

4.3.3.3 Diurnal Bird Surveys

Biodiversity Australia

Mallee Bird Community census surveys

Species targeted: Black-eared Miner (*Malorina melanotis*); Red-lored Whistler (*Pachycephala rufogularis*); South-eastern Hooded Robin (*Melanodryas cucullata*); Southern Whiteface (*Aphelocephala leucopsis*); White-fronted Chat (*Epthianura albifrons*).

Diurnal bird census surveys targeting the Eastern Mallee Bird (MBC) TEC were conducted in suitable habitat (PCTs 170 and 171 – approx. 20.18 ha) within and adjacent to the Development Footprints between

5 – 24 February 2025. Diurnal bird census surveys targeting Pink Cockatoos were conducted in suitable habitat (28, 58, 143, 152, 154, 170, 171, 215, 221, 253, & 254 – Approx 2,746.57) within and adjacent to the Development Footprints From 25-28 November & 4–14 December 2024, 6-11 August, 27-29 October and 4-11 November 2025.

The MBC surveys consisted of a 30-minute area search of an area covering 2 ha. During each survey, observers identified and recorded all bird species seen and heard. Surveys were conducted in the early morning (dawn) or late afternoon (dusk) when bird activity was highest. The dawn surveys commenced at daybreak, once lighting was sufficient to adequately identify species (15 minutes after sunrise), and concluded when bird activity waned (2.5 hours after sunrise). The dusk surveys commenced 2 hours before sunset and concluded when either light was insufficient to identify species or when bird activity waned. A total of 42 surveys were conducted for the MBC, a combined 1,258 minutes (21 hours) over 45.8 kms (Figure 57 and Figure 58).

Survey guideline requirements:

- General - Early morning area searches in suitable habitat.
- Black-eared Miner – Minimum 24 hours survey effort over at least 8 days.
- Red-lored Whistler – Minimum 15 hours survey effort over at least 5 days.

Survey guidelines utilised: Australian Government Department of the Environment, Water, Heritage and the Arts (DEWHA) (2010): Survey guidelines for Australia's threatened birds Guidelines for detecting birds listed as threatened under the E*nvironment Protection and Biodiversity Conservation Act 1999*. NSW BioNet Threatened Biodiversity Database Collection Threatened biodiversity ecological data – retrieved from BioNet Atlas.

Diurnal Pink Cockatoo Surveys

Species targeted: Pink Cockatoo (*Lophochroa leadbeateri*)

A variety of survey methods were employed to target the Pink Cockatoo and its breeding habitat. Initially, walking and slow-moving vehicle (SMV) transects were conducted to detect the presence of Pink Cockatoos and to identify Pink Cockatoo breeding habitat. The walking transects were conducted at an average speed of 4.5 km/hr and SMV surveys at an average speed of 20 km/hr. The surveys were conducted across the entire site, though emphasis was placed on areas of suitable habitat for the Pink Cockatoo. Within the Subject Land, suitable habitat is found within Plant Community Types (PCTs) 25, 28, 58, 143, 152, 154, 170, 171, 215, 221, and 253. Nearby water sources were also considered to be important habitat features, as were paddock trees and raptor nests.

The Pink Cockatoo Surveys consisted of preliminary general area searches and targeted HBT searches conducted throughout the entire associated PCT areas.These searches targeted individuals, pairs, and groups of birds. Once HBTs had been located,one within the Mine Site area (HBT1), one within the Linear Corridor(HBT11 and 10 HBTs in land adjacent to the Development Footprint, more focussed searches were then conducted within these areas surrounding the HBTs. Morning and afternoon searches were conducted in the areas around the HBTs (300 m radius). No fresh surface water sources, such as dams are located within the Development Footprint, however a number of small to medium dams are located on adjacent land. Surveys also focussed on the areas between the HBTs and the offsite dams.

Surveys conducted on 11-29 November and 4-14 December in 2024, as well on 7-16 January, 3-14 February, 6-11 August, 27-29 October, and 4-11 November in 2025 focussed on the eleven Plant

Community Types (PCT) associated with the Pink Cockatoo (PCTs 28, 58, 143, 152, 154, 170, 171, 215, 221, 253, and 254), covering an area of 2746.57 ha.

Eight suitably qualified and experienced Biodiversity Australia Ecologists undertook targeted Pink Cockatoo surveys within the Copi Mineral Sands Project Area from 11 November to 14 December 2024 and again from 6 August to 12 November 2025. This quantum of field work is considered to meet the prescribed survey requirements for the Pink Cockatoo detailed within the TBDC. Locations of surveys are provided within Figure 57 and Figure 58, with Total Survey Effort for Pink Cockatoo in Table 46.

Based on requirements listed in the TBDC and published literature, a minimum survey effort of 26.66 hours (40 minutes of searching per day at each of the 10 point-count locations, repeated over 4 days) was required for the Pink Cockatoo over a period of at least 4 days. Biodiversity Australia conducted a total of 53.53 hours of surveys within areas of suitable habitat within the HBT survey area, over 19 days and observed no evidence of breeding activity. Accordingly, the Pink Cockatoo was included in the Biodiversity Development Assessment Report (BDAR) as an ecosystem credit species due to its presence and evidence of foraging activity and behaviour and was included as a species credit species due to the assumed presence at two suitable potential hollow bearing breeding trees. Therefore, a species polygon was created for the Pink Cockatoo at the two HBTs.

Survey guidelines utilised: Australian Government Department of the Environment, Water, Heritage and the Arts (DEWHA) (2010): Survey guidelines for Australia's threatened birds Guidelines for detecting birds listed as threatened under the E*nvironment Protection and Biodiversity Conservation Act 1999*. NSW BioNet Threatened Biodiversity Database Collection Threatened biodiversity ecological data – retrieved from BioNet Atlas.

Survey guideline requirements:

- Pink Cockatoo – Look For signs of breeding, identify potential nest trees, monitor for this species, all during the breeding season (August to November), area searches or transects in suitable habitat, by vehicle or by foot, and targeted morning and afternoon searches around water sources – Minimum 26.66 hours survey effort over at least 4 days.

Survey guidelines met:

- Pink Cockatoo – Yes 53.53 hours survey effort over 19 days.

Table 46: Survey Effort – Pink Cockatoo

Search Area	SMV (Km)	SMV (Hr)	Walking (Km)	Walking (hr)	Total SMV & Walk (Km)	Survey Pt (Hrs)	Total Hrs	Survey Days
HBT 1	15.76	0.79	46.62	10.36	62.38		11.15	34
HBT 2	33.79	1.69	12.15	2.70	45.94	2.66	7.05	37
HBT 3	25.72	1.29	11.94	2.65	37.66	2.66	6.60	35
HBT 4, 5, 6	28.44	1.42	26.54	5.90	54.98	2.66	9.98	38
HBT 7	19.38	0.97	12.50	2.78	31.88		3.75	33
HBT 8	14.86	0.74	3.61	0.80	18.48		1.55	27
HBT 9	14.37	0.72	10.38	2.31	24.74		3.02	34
HBT 10	17.24	0.86	13.57	3.02	30.81	2.66	6.54	27
HBT 11	9.05	0.45	9.33	2.07	18.39		2.53	19
HBT 12	9.71	0.49	3.97	0.88	13.69		1.37	19

Total	188.32	9.42	150.62	33.47	338.94	10.64	53.53	303.00

Diurnal birds of prey surveys

Species targeted: Black-breasted Buzzard (*Hamirostra melanosternon*), Square-tailed Kite (*Lophoictinia isura*), Little Eagle (*Hieraaetus morphnoides*), Australian Bustard (*Ardeotis australis*); Pink Cockatoo (*Lophochroa leadbeateri*) although not a bird of prey, was also included in these survey points.

Combined foot and vehicle surveys were conducted for birds of prey within the Development Footprint between 29 November and 4 December 2024. The surveys commenced during the heat of the day when it was expected that conditions for thermal soaring would be optimal. Observers surveyed the sky for soaring individuals and scanned their surroundings for individuals perched on trees. Additionally, observers searched for large stick nests in areas with suitable habitat for nest construction (PCTs 58, 170, 171, 221). Any Pink Cockatoos or other bird species of interest located opportunistically while surveying for birds of prey were also recorded. In total, six combined foot and vehicle surveys were conducted, resulting in a combined 732 minutes (12 hours) of survey effort over 191.4 km (Figure 57 and Figure 58).

From 6-11 August 2025, surveys were conducted for Little Eagles consisting of survey points and 15 km slow moving vehicle searches along transects between multiple survey points. Survey points were 20-minute-long observations in a 300 m radius area and beyond, scanning the horizon, vegetation, and sky (between horizon and above survey point) with binoculars for 360 degrees. These Little Eagle survey points were conducted on elevated ground, consisting of wooded hillsides overlooking woodland and shrublands containing emergent live and dead trees (Figure 59 - Figure 61). Eight large raptor nests located within the Development Footprint – Mine Site were inspected for signs of occupancy and 20-minute survey points replicated over two consecutive days were conducted nearby, by two qualified and experienced ecologists. As Pink Cockatoos are known to use abandoned large raptor nests (such as the eight abandoned Wedge-tailed eagle nest in the mine site area), this species was also included in this survey.

Survey guideline requirements:

- There are no survey guidelines for the abovementioned birds of prey as these species are typically recorded opportunistically given their large foraging ranges. However, these are conspicuous diurnal species which can potentially be detected by aerial surveys/observing from vantage points approaching (and from within) suitable foraging and breeding habitat. Surveys were conducted in and around the associated PCTs, suitable foraging and breeding habitat described in the TBDC for each species. The Little Eagle surveys were designed to meet the requirements of the TBDC and advice received from the BOS Helpdesk, which stated that best practices for threatened bird surveys were to be adopted from available literature including Survey guidelines for Australia's threatened birds (Appendix A2.3 Birds of prey), Recommended Techniques – Conspicuous diurnal Sub-Group of Raptors – Eagles, The ACT Little Eagle Action Plan, Working Draft Threatened Species Survey and Assessment Guidelines and Regional Biodiversity Survey & Assessment Guidelines (DCCEEW2017, NSW DEC 2004, DEWHA 2010, ACT 2008).

Survey guidelines met:

- N/A.

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Diurnal bird census surveys including diurnal call playback

EnviroKey ecologists conducted surveys to determine the presence and usage of the Development Footprint by diurnal birds in either the early morning or late afternoon to coincide with peak bird activity. These surveys were completed at 243 locations between January 2018 and January 2024 across the Development Footprint and Subject Land. Of these surveys, 120 were within the 5-year window (post-June 2020). A total of 76 of the 120 surveys were conducted within the Development Footprint, while the remainder were conducted in the broader Subject Land (Figure 57 and Figure 58). These surveys were guided by a standardised technique (20 minutes survey). Observers actively searched for diurnal birds and identified species by sight and by vocalisation during each 20-minute bird survey. Opportunistic data was also collected during the field survey whenever traversing the Development Footprint and Assessment Area.

Call playback was conducted at the conclusion of each diurnal bird survey to elicit a response from each of the predicted candidate species. These were (in order of call playback): Striated Grasswren; Red-lored Whistler; Bush Stone Curlew; and Black-eared Miner (for all bird survey locations in PCT 171). The call of each species was played for one minute, followed by a one-minute listening period. The call was then played again, followed by another listening period. Diurnal call playback length was about 10 minutes depending on survey location and PCT. For the purpose of this BDAR, minimum survey effort was assumed to be three minutes at each site.

Total survey effort for diurnal bird surveys was 4,860 minutes (81 hours) and diurnal call playback effort was 729 minutes (12.15 hours). Total survey effort for diurnal bird surveys within the 5-year window was 2,400 minutes (1,520 minutes in the Development Footprint and 880 minutes in the broader Subject Land).

Song meters

EnviroKey ecologists used song meter SM4 acoustic recorders during the 2022 field surveys to record bird calls. A song meter was activated at four locations (1 within the Development Footprint and 3 within the broader Subject Land) for a total of 3 full days, giving a total of 12 recording days. Song meters were pre-set to begin recording 30 minutes before sunrise, and record for two hours. Song meters also commenced recording 1 hour prior to sunset and recorded for 1.5 hours. The daily recording time for each song meter was 3.5 hours per day. Total recording time for the song meters was 42 hours (10.5 hours within the Development Footprint and 31.5 hours within the broader Subject Land).

Data was then analysed by Principal Ecologist Steve Sass.

4.3.3.4 Hollow Bearing Tree Search

Biodiversity Australia

Species targeted: Pink Cockatoo (*Lophochroa leadbeateri*); Masked Owl (*Tyto novaehollandiae*).

Data on Hollow Bearing Trees and tree hollows were recorded during targeted habitat searches, general area searches, and opportunistically while conducting large and small area vegetation surveys, diurnal bird surveys and nocturnal spotlighting surveys within and adjacent to the Development Footprint between 11-30 November, 1-14 December 2024, 7-16 January, 5 – 23 February, 6-11 August, 27-29 October, and 4-12 November 2025. Nocturnal surveys were also undertaken for Masked Owl - this is described in more detail in Sections 4.3.3.5 and 4.3.3.6. Where tree hollows were located, the number, size, and height above ground of hollows, as well as the Diameter at Breast Height (DBH) and species of the trees in which hollows were located were recorded (see Table 47). Additionally, the coordinates of the Hollow Bearing Trees were recorded using a hand-held Global Positioning System (GPS). To ensure the time allocated to the bird and spotlighting surveys remained unchanged, the time spent recording Hollow Bearing Tree data was added to their duration (Figure 57 and Figure 58).

Survey guidelines utilised: Advice from DCCEEW (pers. comm.) NSW Bionet Threatened Biodiversity Database Collection Threatened biodiversity ecological data – retrieved from BioNet Atlas

Survey guideline requirements:

- Pink Cockatoo – Searches for living or dead trees with hollows greater than 10 cm diameter.

Survey guidelines met:

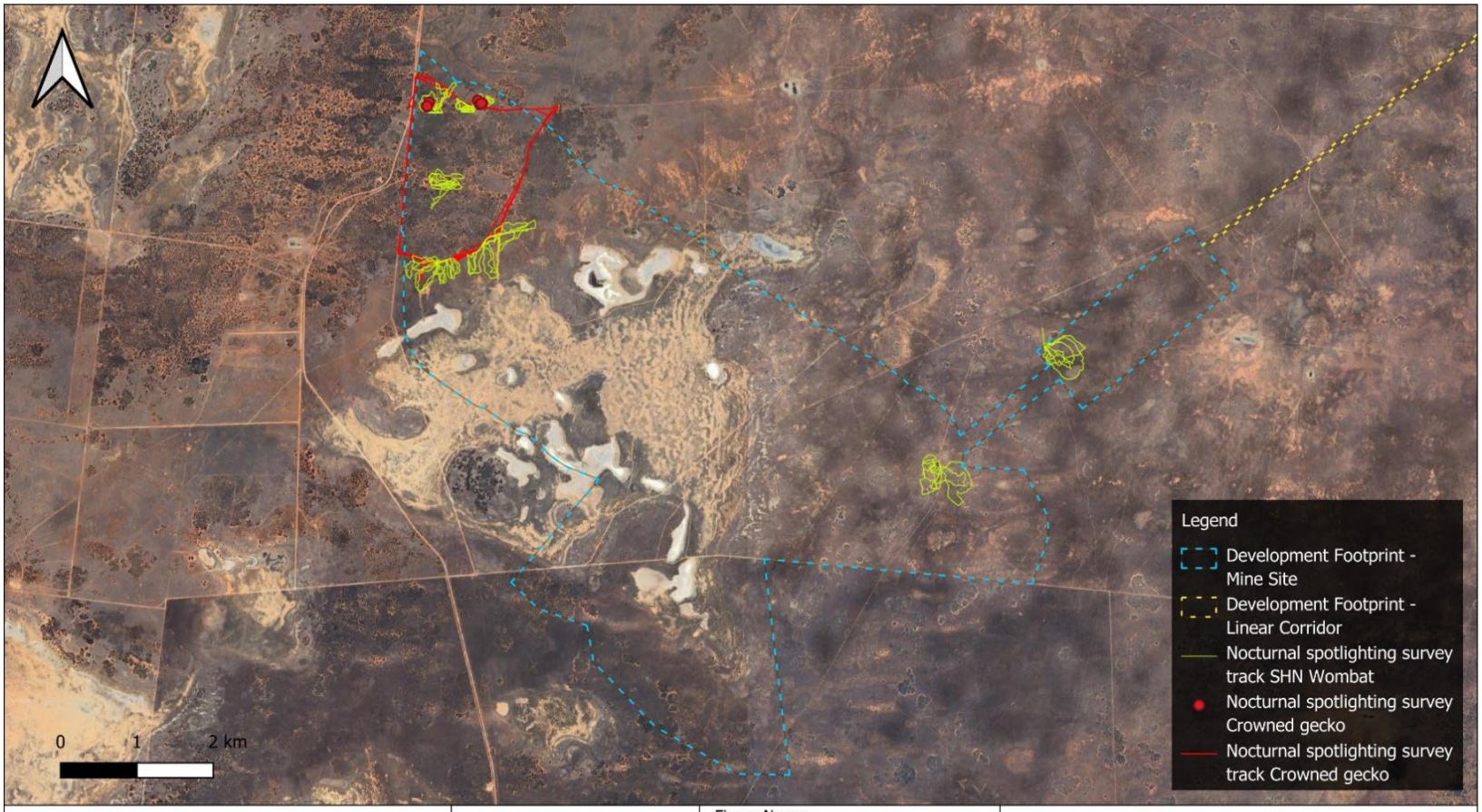
- General – Yes, 12 trees containing hollows at least 1 hollow > 10 cm in diameter and located >2 m above the ground were recorded (See Appendix A-1 for HBT Photographs).
- A total of 39 trees with hollows were recorded within the Development Footprint.

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No targeted Hollow Bearing Tree searches were reported in EnviroKey BDAR.

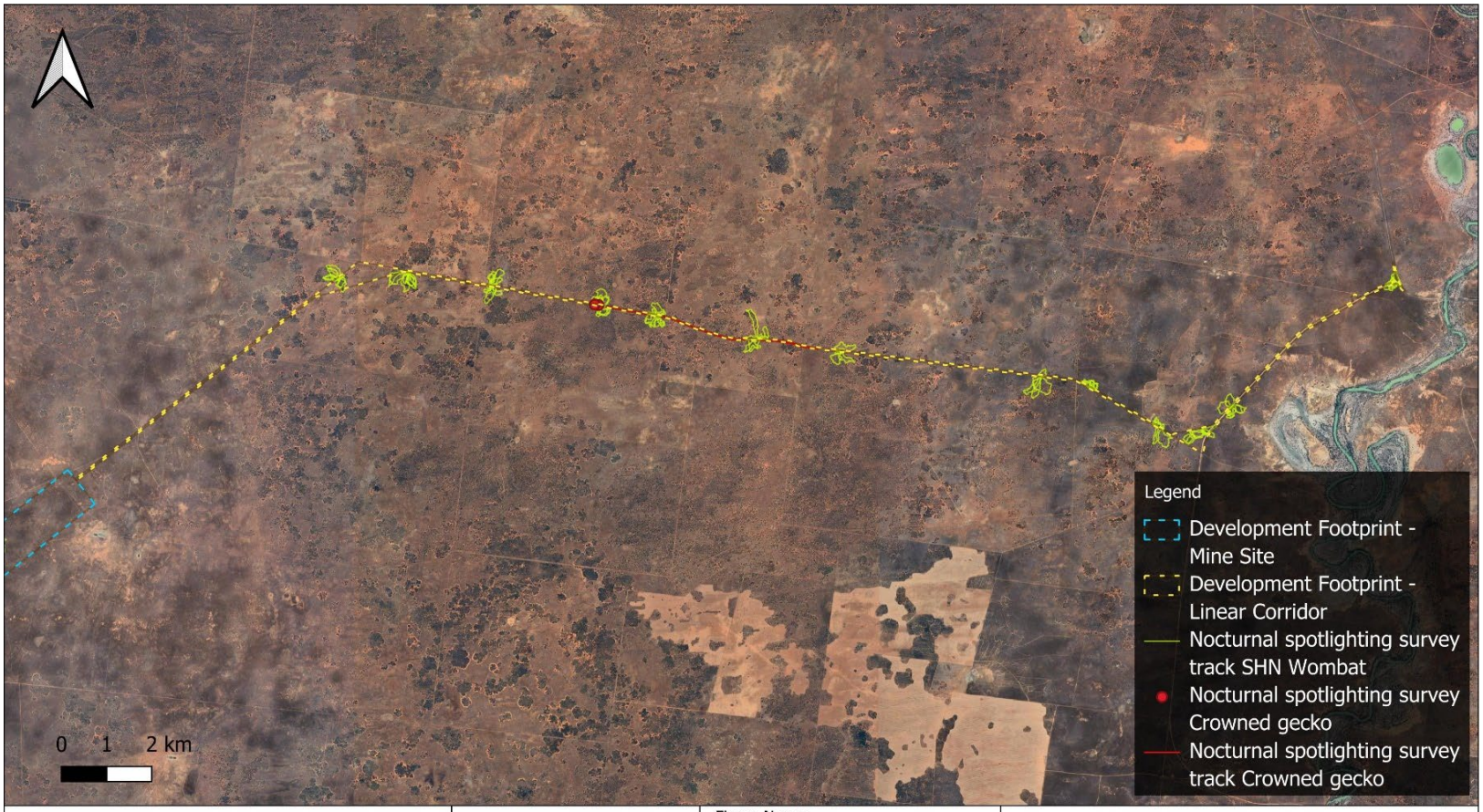
Table 47: Suitable Hollow Bearing Trees located within the Development Footprint

HBT No.	Species	DBH (cm)	Hollows >10 (cm)	Hollow Height (m)	Distance from Development Footprint (m)	Impact Type
1	Eucalyptus	50	3	2	0	Direct Clearance
2	Eucalyptus	32	1	3	21.978188	Indirect Retained
3	Eucalyptus	25	1	2.5	72.470422	Indirect Retained
4	Eucalyptus	35	2	1.65	318.150689	Indirect Retained
5	Eucalyptus	130	3	2.2	0.082916	Indirect Retained
6	Eucalyptus	30	1	3	153.61475	Indirect Retained
7	Eucalyptus	30	1	2.4	99.058104	Indirect Retained
8	Eucalyptus	28	4	2	10.613874	Indirect Retained
9	Eucalyptus	40	1	3	25.602204	Indirect Retained
10	Eucalyptus	30	1	2.5	9.248757	Inirect Retained
11	Casuarina	37	2	4.5	0	Direct Clearance
12	Casuarina	44	1	2.5	38.882866	Indirect Retained



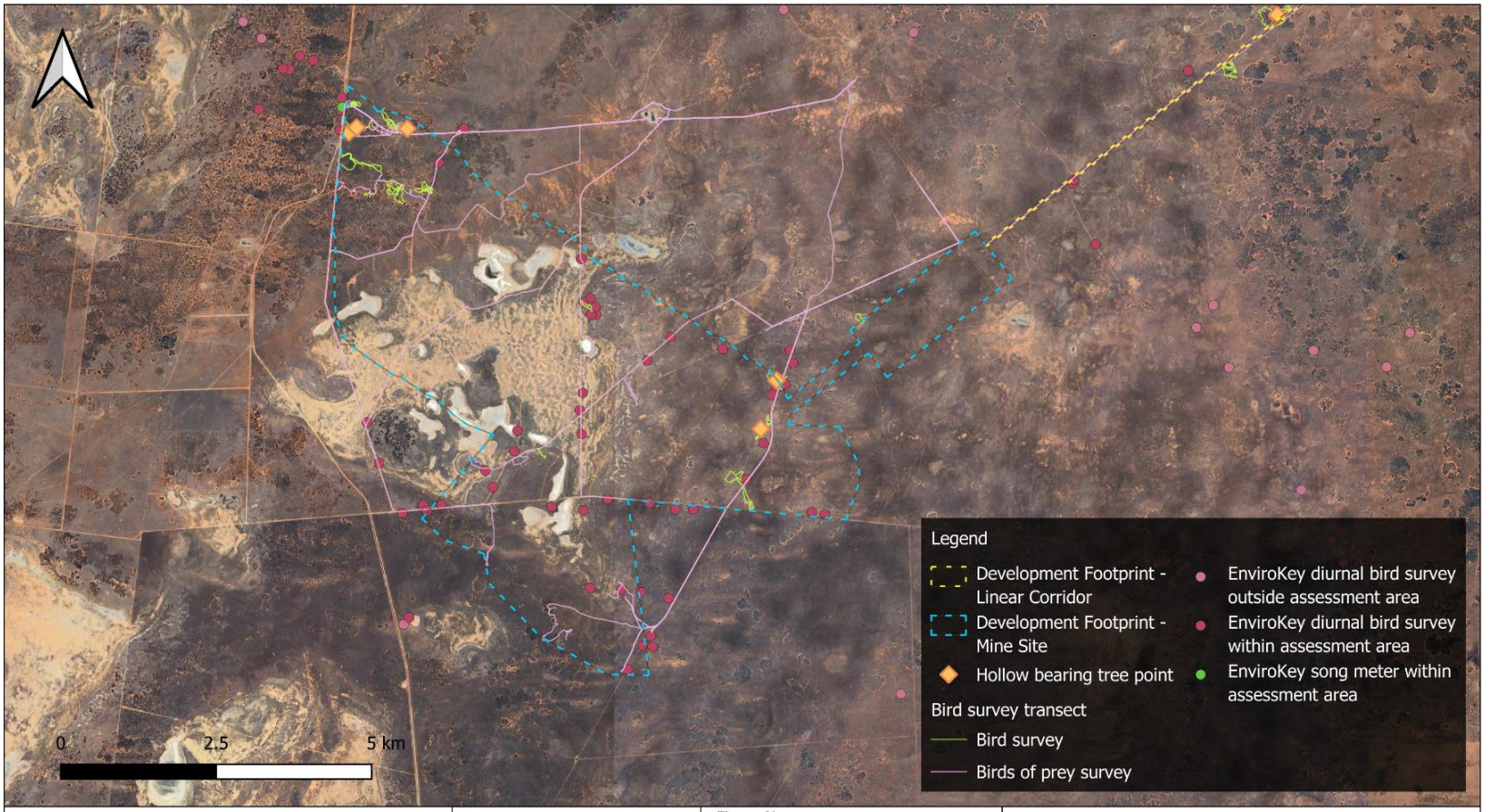
This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Locations of Nocturnal Spotlighting Surveys - Development Footprint - Mine Site	Biodiversity AUSTRALIA	
	Drawn by: NE	Location: Warwick Station		
	Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
				Scale: 1:65000

Figure 55: Locations of nocturnal spotlighting surveys - Development Footprint - Mine Site



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Locations of Nocturnal Spotlighting Surveys - Development Footprint - Linear Corridor	Biodiversity AUSTRALIA	
	Drawn by: NE	Location: Warwick Station		
	Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
				Scale: 1:110000

Figure 56: Locations of nocturnal spotlighting surveys - Development Footprint – Linear Corridor



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Diurnal bird census surveys & Hollow Bearing Tree Points - Development Footprint - Mine Site	Biodiversity AUSTRALIA
	Drawn by: NE	Location: Warwick Station	
	Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872
			Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:80000

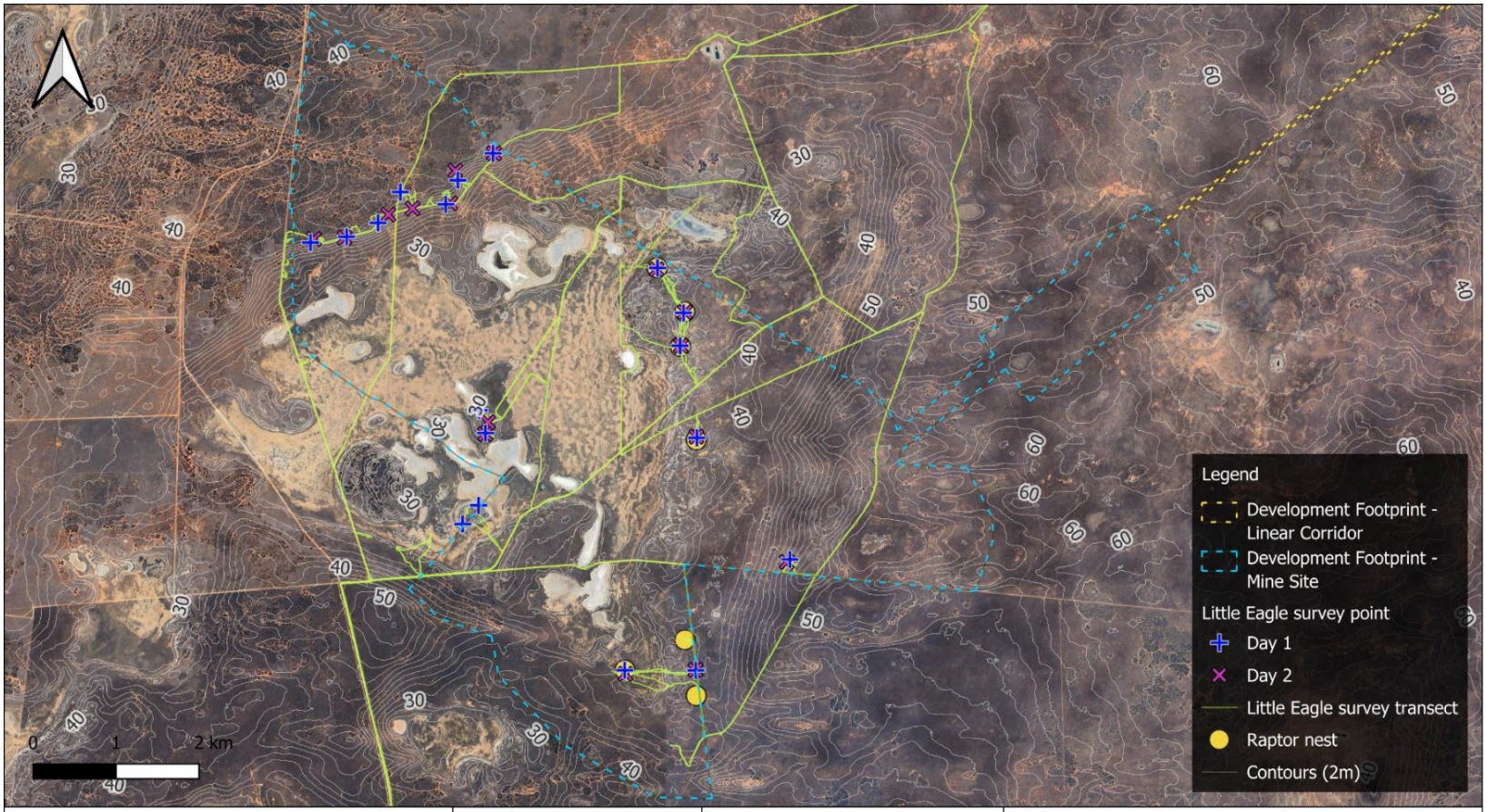
Figure 57: Diurnal bird census surveys & Hollow Bearing Tree points – Development Footprint – Mine Site



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.

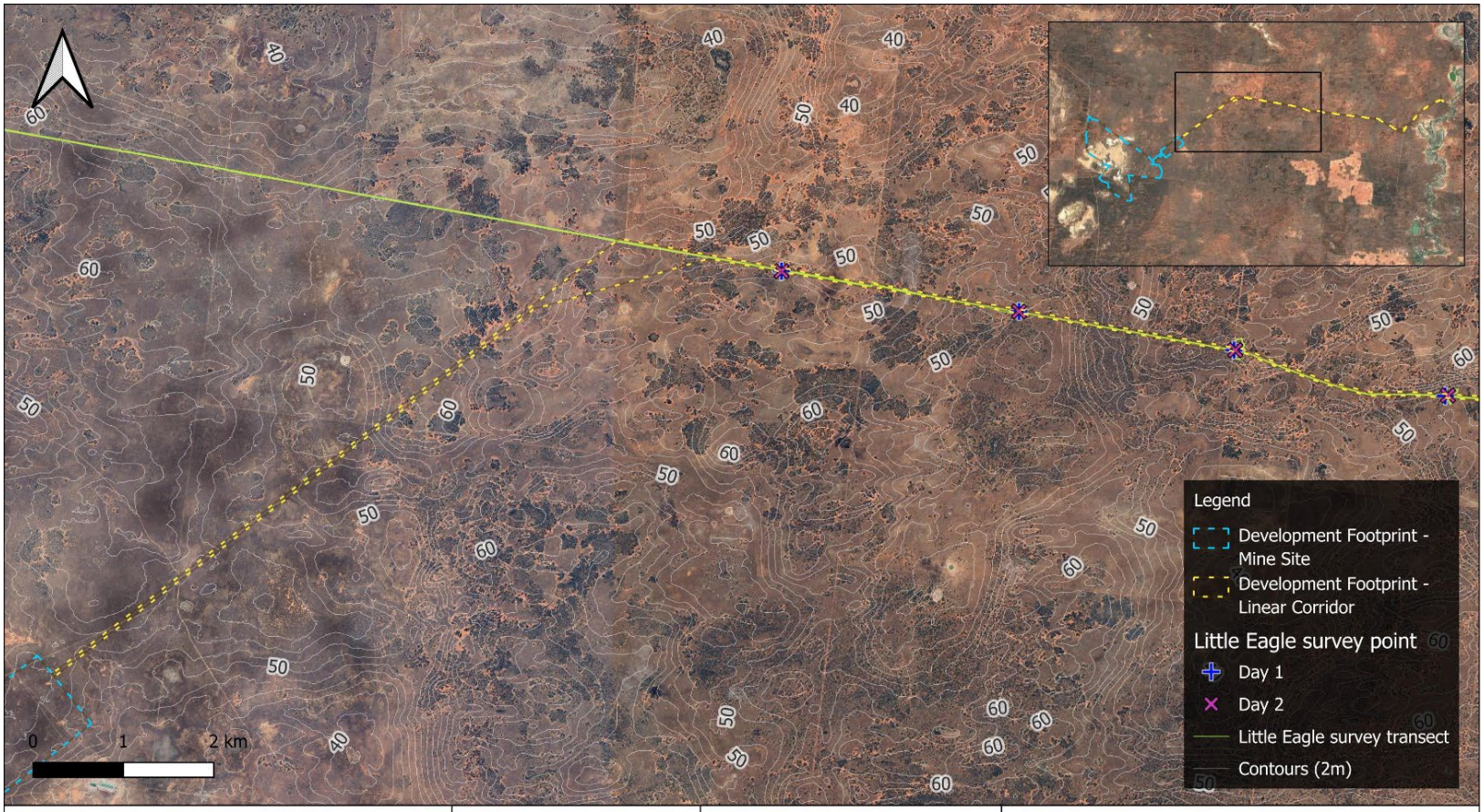
Project Manager: NC	Figure Name: Diurnal bird census surveys & Hollow Bearing Tree Points - Development Footprint - Linear Corridor	Biodiversity AUSTRALIA	
Drawn by: NE	Location: Warwick Station		
Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:110000

Figure 58: Diurnal bird census surveys & Hollow Bearing Tree points – Development Footprint – Linear Corridor



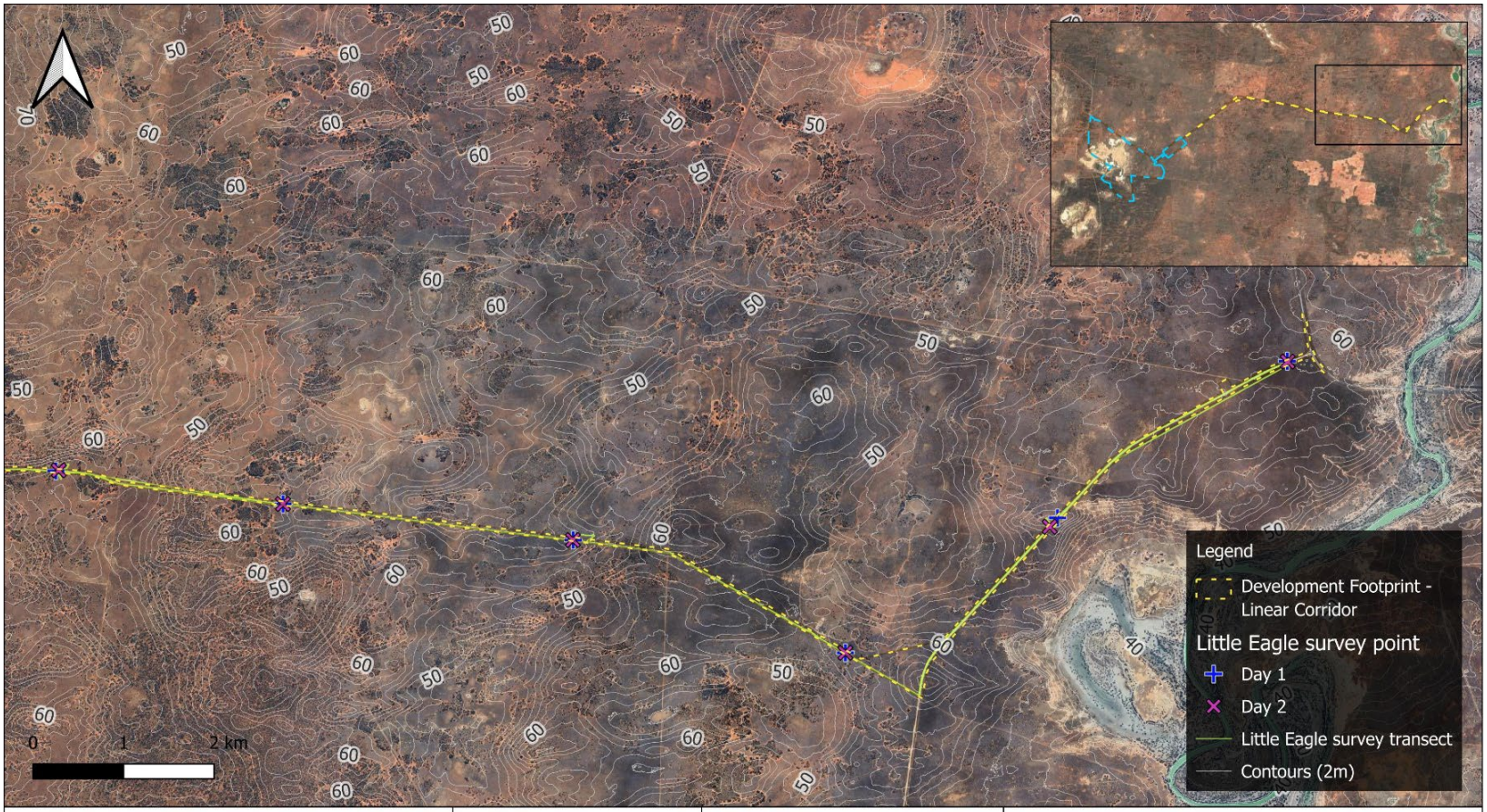
This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Little Eagle Survey - Development Footprint - Mine Site	Biodiversity AUSTRALIA	
	Drawn by: NE	Location: Warwick Station		
	Date: August 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
				Scale: 1:60000

Figure 59: Little Eagle Survey - Development Footprint Mine Site



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Little Eagle Survey - Development Footprint - Linear Corridor 1/2	Biodiversity AUSTRALIA	
	Drawn by: NE	Location: Warwick Station		
	Date: August 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
				Scale: 1:55000

Figure 60: Little Eagle Survey - Development Footprint Linear Corridor - Map 1 / 2



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Little Eagle Survey - Development Footprint - Linear Corridor 2/2	Biodiversity AUSTRALIA	
	Drawn by: NE	Location: Warwick Station		
	Date: August 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
				Scale: 1:55000

Figure 61: Little Eagle Survey - Development Footprint Linear Corridor - Map 2 / 2

4.3.3.5 Nocturnal Spotlighting Surveys

Biodiversity Australia

Species targeted: Southern Hairy-nosed Wombat (*Lasiorhinus latifrons)*

Targeted nocturnal spotlight surveys were conducted within the Development Footprint between 5 – 23 February 2025. In areas of suitable habitat (PCTs 58, 152, 154, 170, and 171), observers searched for burrows/warrens, scats, and individuals, using high-power hand-held torches and thermal binoculars. Each search spanned a minimum of 60 person minutes and was replicated in the same area on the following night. Searches commenced a minimum of two hours after sundown and were completed a minimum of one hour prior to sunrise. A total of 20 transects were searched, equating to 40 individual surveys conducted over 2827 minutes (47 hours) and 164 kilometres (Figure 55 and Figure 56).

Survey guidelines utilised: Advice from DCCEEW (pers. comm.); NSW Bionet Threatened Biodiversity Database Collection Threatened biodiversity ecological data – retrieved from BioNet Atlas

Survey guideline requirements (per 100 ha of suitable habitat):

- Spotlighting surveys spanning 60 person minutes and replicated across 2 consecutive nights.

Survey guidelines met:

- Yes, 40 spotlight surveys (20 transects) conducted spanning 2827 person minutes.

EnviroKey BDAR September 2024

No targeted spotlighting surveys for the Southern Hairy-nosed Wombat were conducted by EnviroKey ecologists, though scat and sign searches were conducted. The details of the scat and sign searches are as follows:

While no dedicated scat and sign searches were completed across the Development Footprint and Assessment Areas, searches for a period of 10 minutes each were carried out at the conclusion of every Diurnal bird survey resulting in 243 scat and sign searches. In addition, any track and scat of interest observed during the field survey while undertaking other survey methods, was inspected. Scat identification was guided by the book 'Tracks, Scats and Other Traces: A field guide to Australian Mammals' (Triggs, 2008). The total survey effort was 2,430 minutes.

4.3.3.6 Nocturnal Call Playback

Biodiversity Australia

Species targeted: Masked Owl (*Tyto novaehollandiae*)

Nocturnal call playbacks were undertaken within the Development Footprint between 10 – 17 January 2025. Observers surveyed for the Masked Owl in suitable habitat (PCT 24) by spotlighting with hand-held torches and listening for the species' calls for a period of 10 minutes. If no sightings or calls were registered during this time, the observers broadcast a recording of the Masked Owl's call over a speaker at a volume of 60 decibels (dB) for a period of 15 seconds. This was followed by a wait period of 30 seconds, during which time the observers again searched for the Masked Owl and listened for its calls. This process was repeated 6 times, with the volume of the recording dialled to 100 dB for the final broadcast. Each of 7 sites was surveyed 6 times, with surveys conducted in the late evening (8 pm – 12 am) and early morning (2:30 – 5:30 am) (Figure 62). No hollows larger than 20 cm were identified >4 metres above the ground within the development footprint areas.

Survey guidelines utilised: Australian Government Department of the Environment, Water, Heritage and the Arts (DEWHA) (2010): Survey guidelines for Australia's threatened birds Guidelines for detecting birds listed as threatened under the E*nvironment Protection and Biodiversity Conservation Act 1999*. NSW Bionet Threatened Biodiversity Database Collection Threatened biodiversity ecological data – retrieved from BioNet Atlas

Survey guideline requirements:

- Survey at night during calm and dry weather. Begin with a 10-minute listening and search period. If no owls detected, broadcast prerecorded calls for 15 seconds at a volume of 60 dB, then listen for responses for at least 30 seconds. If no owls detected, repeat this process for a 15-minute period, gradually increasing volume from 60 to 100 dB. After the conclusion of call playbacks, conduct 15 minutes of spotlighting. Repeat call playback surveys 6 times at each site, preferably across multiple weeks.

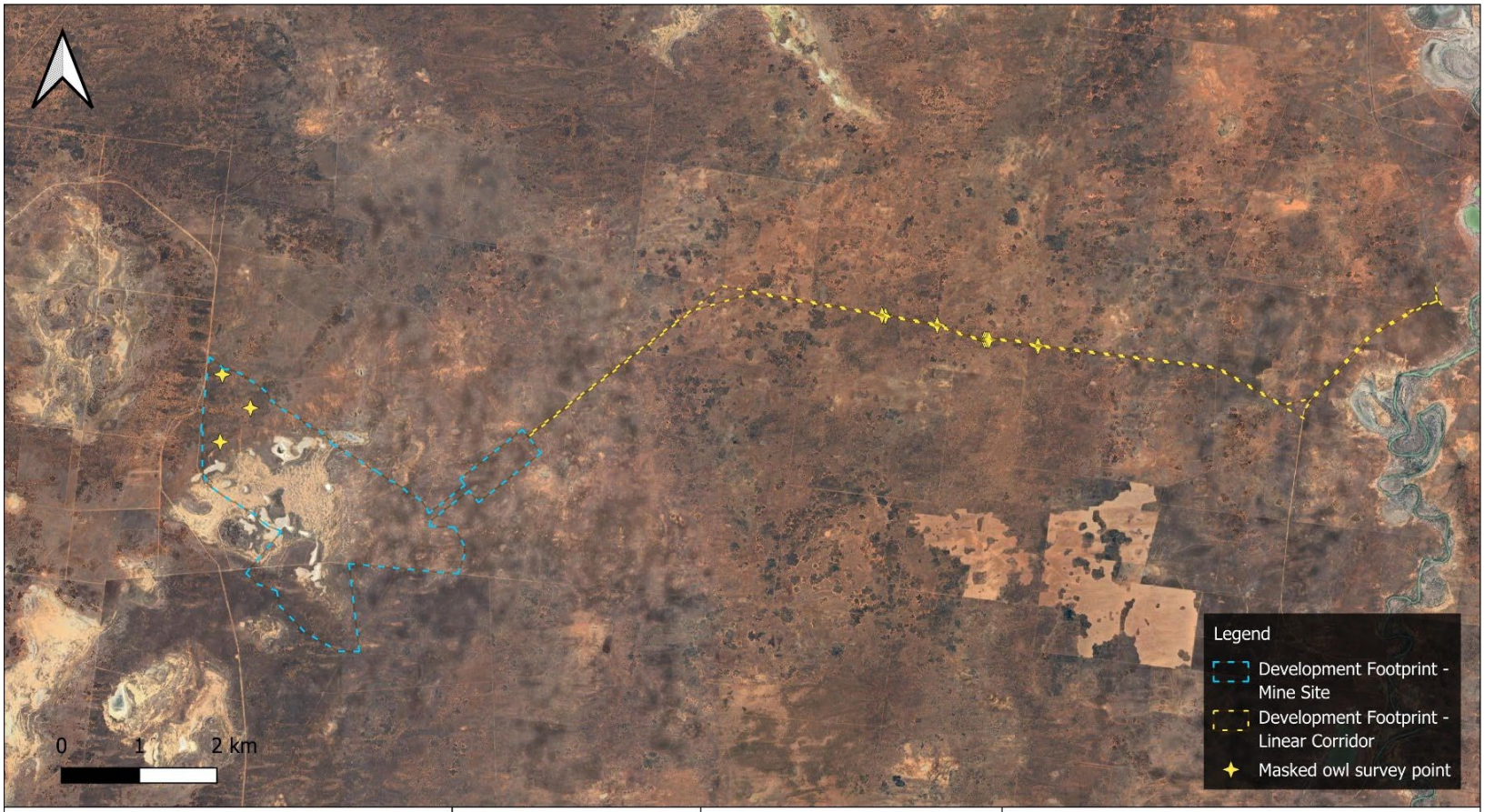
Survey guidelines met:

- Yes, surveys commenced with 15 minutes of call playback, followed by a 10-minute spotlight and listening period. Surveys were repeated 6 times at each site; however, these were conducted over consecutive nights rather than across multiple weeks. Windspeed recorded during surveys was less than 38 km/hr.

EnviroKey BDAR September 2024

EnviroKey ecologists conducted nocturnal call playback surveys for the Bush Stone-curlew (*Burhinus grallarius*) but not for the Masked Owl. At each of the three survey locations, call playback survey commenced with an initial listening period of 10 minutes. The call of the target species (Bush Stone-curlew) was then transmitted intermittently over a period of five minutes, followed by a five-minute listening period. Spotlighting was undertaken at the conclusion of the call playback, with a minimum of 60 minutes at each site by two persons.

Note: Over the course of writing this BDAR, several refinements were made to PCT boundaries, after ground-truthing (Figure 88*) and collection of new data, to accurately calculate and map vegetation zones. These refinements resulted in changes to the overall composition of the mapped vegetation communities and associated condition zones. This resulted in the exclusion of PCT 24 Canegrass swamp tall grassland wetland of drainage depressions, lakes and pans of the inland plains, which is considered suitable habitat linked to the Masked Owl. Although PCT 24 was excluded from the vegetation mapping, it was retained in the survey plan and surveys were conducted for Masked Owl in areas where PCT 24 was previously mapped. The survey effort conducted across both the mine site and associated linear corridor assessment areas and was considered complimentary with the survey undertaken for the Bush Stone-curlew, which also required survey for this assessment.*



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	Drawn by: NE	Location: Warwick Station		
	Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
				Scale: 1:160000

Figure 62: Location of nocturnal Call Playback stations – Development Footprint

4.3.3.7 Elliot and Pitfall Trapping

Biodiversity Australia

Species targeted: Desert Mouse (*Pseudomys desertor*); Crowned Gecko

Concurrent Elliot and pitfall trapping surveys were undertaken within the Development Footprint between 10 – 14 December 2024. Three Elliot and pitfall trap arrays were established in suitable habitat (PCTs 171, 221), two within the Development Footprint – Mine Site and one along the Development Footprint – Linear Corridor (Figure 63 and Figure 64). The pitfall arrays consisted of a 30 m drift fence with 7 x 20 litre buckets (410 mm tall) positioned along its length. Ten 'A' sized Elliot traps were set in the area surrounding each pitfall array, each baited with a mix of peanut butter, honey, and oats. Both the Elliot and pitfall traps were checked each morning within two hours of sunrise, and any captured fauna was identified and released. The traps were then closed and re-opened/reset within an hour of sunset the following evening. This survey effort resulted in a total of 84 pitfall trap nights and 120 Elliot trap nights.

Survey guidelines utilised: Department of Environment and Conservation (DEC) (2004), Threatened Species Survey and Assessment: Guidelines for developments and activities (working draft), New South Wales Department of Environment and Conservation, Hurstville, NSW; NSW Bionet Threatened Biodiversity Database Collection Threatened biodiversity ecological data – retrieved from BioNet Atlas

Survey guideline requirements:

- Elliot trapping surveys spanning 100 trap nights over 3 – 4 consecutive nights; or
- Pitfall trapping surveys spanning 24 trap nights over 3 – 4 consecutive nights.

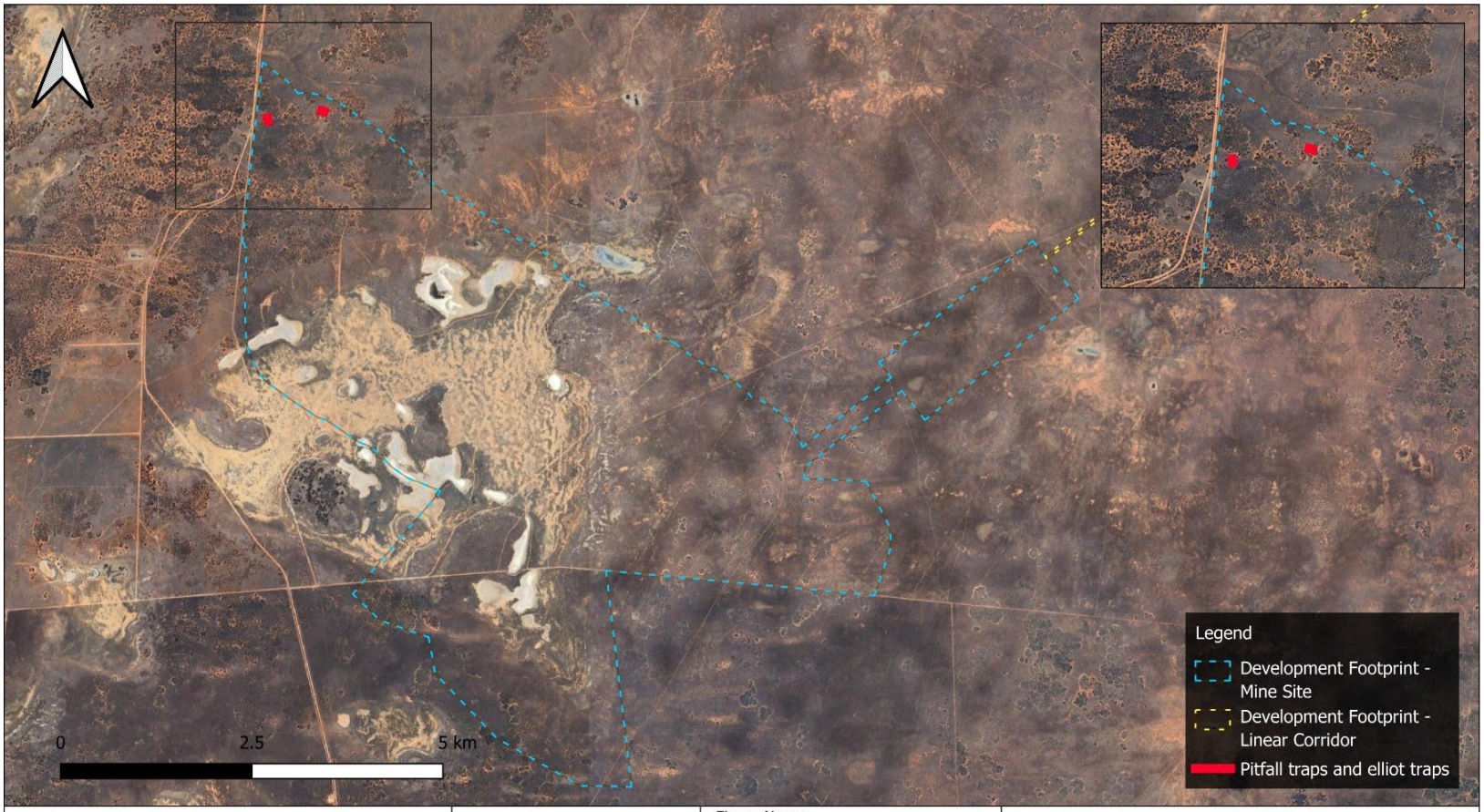
Survey guidelines met:

- Yes, 3 Elliot trapping surveys spanning 120 trap nights over 4 consecutive nights, and 3 pitfall trapping surveys spanning 84 trap nights over 4 consecutive nights.

EnviroKey BDAR September 2024

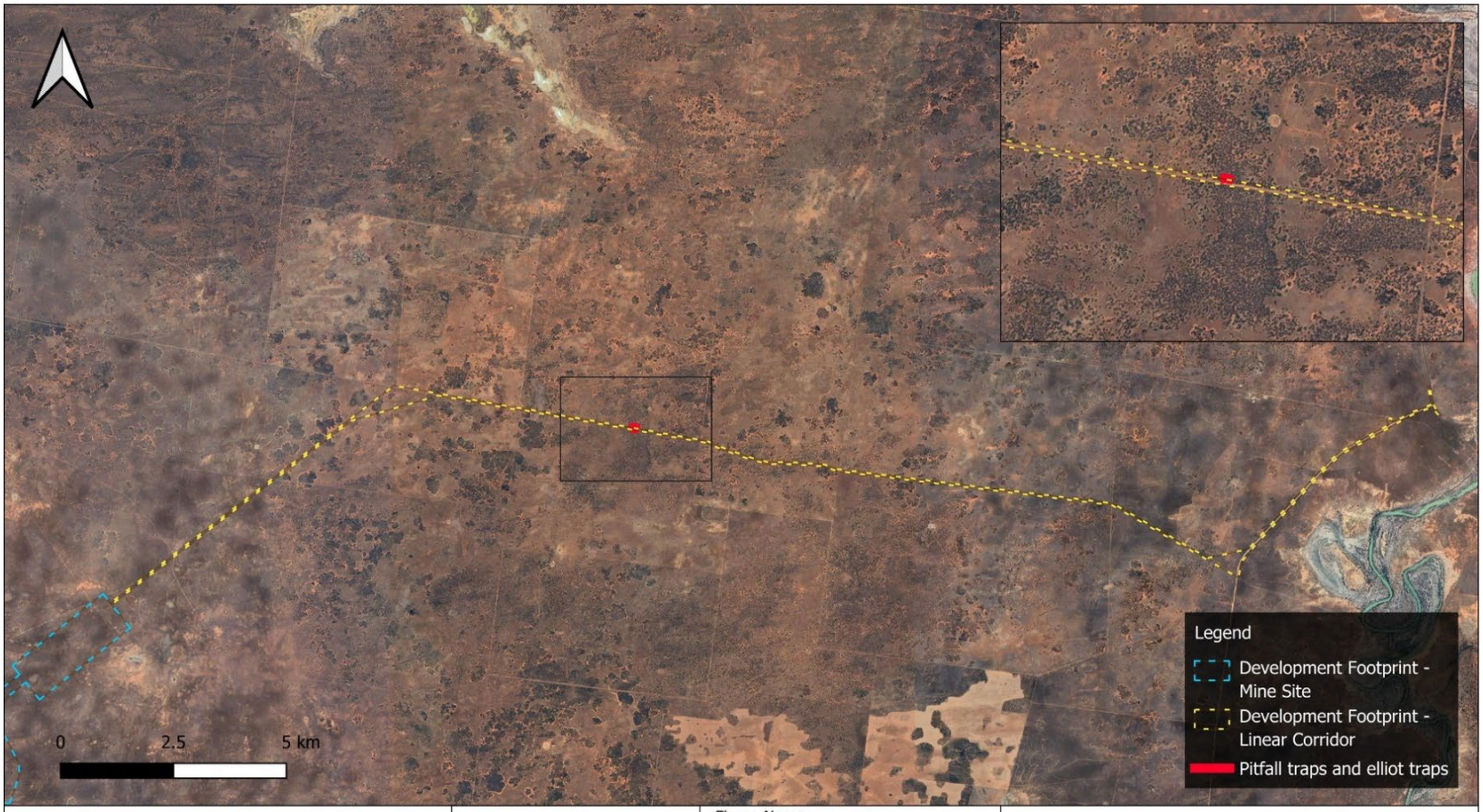
Prior to the Elliot and pitfall trapping surveys conducted by Biodiversity Australia, several Elliot and funnel trapping surveys targeting the desert mouse were also conducted in suitable habitat (PCT 171) by EnviroKey ecologists. No EnviroKey surveys targeting the Crowned Gecko were conducted in the 5-year window after June 2020. The details of the Elliot and funnel trapping surveys are as follows:

- 'A' sized Elliot traps were baited with a mix of peanut butter, honey and rolled oats to attract small terrestrial mammals. These were spaced about 5 metres (m) apart in transects of 20 traps. They were left in situ for 4 nights during each survey and checked both morning and afternoon. Elliot trapping surveys targeting the Desert Mouse were conducted at 2 sites within the Development Footprints in March 2021 and 1 site in March 2022. Total survey effort targeting the Desert Mouse was 240 trap nights (Figure 63 and Figure 64).
- Three pairs of funnel traps (six funnel traps) were established along a 20 m drift fence (a single site) for a maximum of four nights at 10 different locations. Funnel trapping surveys targeting the Desert Mouse were completed at two sites during the March 2022 field survey. Survey effort was 48 trap nights (Figure 63 and Figure 64).



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	Drawn by: NE	Location: Warwick Station		
	Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54 Scale: 1:65000

Figure 63: Locations of Elliot and pitfall trapping arrays - Development Footprint - Mine Site



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	Drawn by: NE	Location: Warwick Station		
	Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
				Scale: 1:110000

Figure 64: Locations of Elliot and pitfall trapping arrays - Development Footprint – Linear Corridor

4.3.3.8 Microbat Call Recording and Analysis

Biodiversity Australia

Species targeted: Southern Myotis (*Myotis macropus*)

Microchiropteran bat calls were recorded using Anabat Swift, Anabat Chorus, and Anabat Express detectors over four deployment periods in 2025 in suitable habitat (PCTs 58, 170, 171, 221) within the Development Footprint. The first deployment was within the Development Footprint – Mine Site, occurred between 9 – 12 January, and consisted of one Swift, two Chorus and five Express detectors (Figure 65). Eight (8) recorders were deployed from 9-12 January within the mine site area and six (6) recorders deployed from 13-16 January. Four (4) recorders were deployed from 5-8 February and another three (3) recorders from 9-12 February within the linear corridor. However, due to unit failure, only 6 units for a total of 24 nights were recorded in the Mine Site area and 7 units for a total 28 nights were recorded in the linear corridor The detectors were fixed to trees at a height of 1.5 metres. In total, 52 survey nights of data were recorded from 6 sites across the two survey areas (Development Footprint - Mine Site and Development Footprint - Linear Corridor) (Figure 65).

Survey guidelines utilised: NSW Government Department of Planning, Industry & Environment (DPIE) (2021): 'Species credit' threatened bats and their habitats, NSW survey guide for the BAM.

Survey guideline requirements:

- Acoustic detection spanning 16 trap nights over 4 consecutive nights.

Survey guidelines met:

- Yes, acoustic detection at 6 separate sites spanning 52 trap nights over 4 consecutive nights.

The data obtained from the Anabat detectors were sent to *Balance! Environmental* for expert analysis. *Balance! Environmental* followed the below method using Anabat Insights (Version 2.1.3; Titley Scientific):

1. The Convert ZCA function was used to extract individual zero-crossing (.ZC) sequence files from the Anabat Express ZCA files.
2. The Search function was then used to scan all resulting ZC files and the Anabat Swift WAV files using a filter designed to find bat calls potentially belonging to *Nyctophilus* spp. and *Myotis macropus*. Filter criteria used in the search included:
    - Characteristic frequency (Fc) minimum 35 kHz – maximum 45 kHz
    - Slope of characteristic section (Sc) minimum 50 octaves per second (OPS)
    - Pulse duration (Dur) minimum 2 ms
    - Difference between maximum frequency and Fc (Fmax-Fc) minimum 5 kHz
    - ZC threshold (relevant only to WAV files) = Auto
    - Smoothness level = 5
    - Minimum number of pulses per sequence meeting the above criteria = 4

3. Files that passed the above Search process were then reviewed manually to compare spectrogram characteristics and derived metrics with those of reference calls and published call descriptions (e.g., Pennay *et al.* 2004) for the target species.

The standard of the report provided by *Balance! Environmental* followed Australasian Bat Society standards for the interpretation and reporting of bat call data (Reardon 2003), available on-line at http://www.ausbats.org.au/.

A full Microbat Call Identification Report id located in Appendix A-4-1

EnviroKey BDAR September 2024

While spotlighting, EnviroKey ecologists targeted microchiropteran bats by using a 'Titley' Anabat SD1 Echolocation Call Recording Unit coupled to a Personal Digital Assistant for active monitoring. Surveys were conducted at three survey locations, with a minimum of 60 minutes at each site by two persons. Additionally, a single stationary Anabat unit was activated at a water point given that microchiropteran bats needs to drink regularly when foraging. Mobile monitoring was also conducted while travelling across the Development Footprint and Mine Site during nocturnal hours with the use of an Anabat Car Mount with High Mount Microphone. Total survey effort for Anabat surveys was 160 person minutes per location, giving a total of 480 minutes (8 hours).

> *The use of Echolocation Call Recording Units is consistent with State and Commonwealth guidelines for surveying microchiropteran bats. All data collected from the Anabat SD1 were then analysed and placed into bat and non-bat origin files. These files were then analysed using the software package AnalookW guided by 'Bat Calls of New South Wales: Region based guide to echolocation calls of microchiropteran bats' (Pennay et al. 2004) and the EnviroKey reference call collection. Members of the Nyctophilus genus could not be identified to species level due to a lack of differentiation between species and are identified to genus level only. Anabat analysis was conducted by Principal Ecologist Steve Sass, who has analysed more than 100,000 files from across Western and Central NSW.*

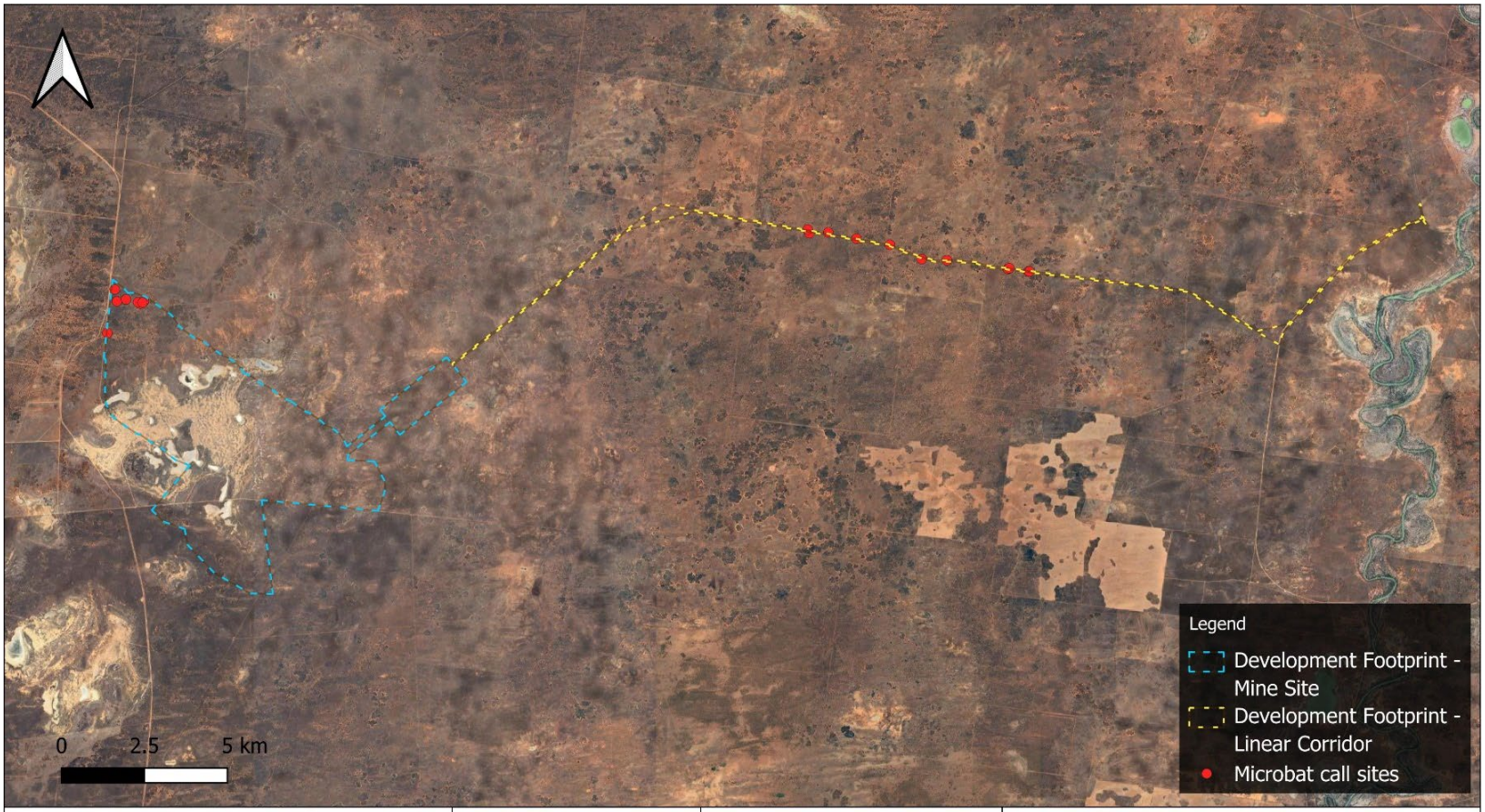
A call was defined as a sequence of three or more consecutive pulses of similar frequency. Due to variability in the quality of calls and the difficulty in distinguishing some species the identification of each call was assigned a confidence rating as follows.

D = Definite: Species identification not in doubt.

PR = Probable: Call most likely to represent a particular species, but there exists a low probability of confusion with species of similar call types.

PO = Possible: Call characteristics are comparable with the species, but there exists a reasonable probability of confusion with one or more similar Bat species, or the quality or length of call prohibits a confident identification.

Those calls unable to be identified due to poor call quality resulting in a lack of diagnostic features were assigned 'Unidentifiable.'



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	Drawn by: NE	Location: Warwick Station		
	Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
				Scale: 1:150000

Figure 65: Locations of microbat call recording sites - Development Footprint

4.3.3.9 Acoustic Recorder Surveys

Biodiversity Australia

Species targeted: Painted Burrowing Frog (*Neobatrachus pictus*)

Family: Myobatrachidae

Six (6) Wildlife Acoustics SM4 Song Meter acoustic recorders were deployed on 14 May 2025 (Figure 69) at least three months after the last heavy rainfall (>50 millimetres in 24 hrs). The acoustic recorders were deployed within associated PCTs where rainwater is known to pool after significant downpours (Figure 66 through Figure 68). Acoustic recordings are set to capture calls within period immediately after heavy rainfall. It is projected the required rain will create inundation of the site containing suitable breeding habitat such as claypans, temporary roadside pools, ditches, mallee swales and dry dams. Since the time of deployment, suitable survey conditions have not eventuated. Figure 66 through Figure 68 show areas within the Development Footprint where rainwater pools after significantly large rainfall events, such as more than 50 millimetres in the space of a day. These areas are not confirmed to contain suitable frog breeding habitat, and no frogs have been recorded in these areas.

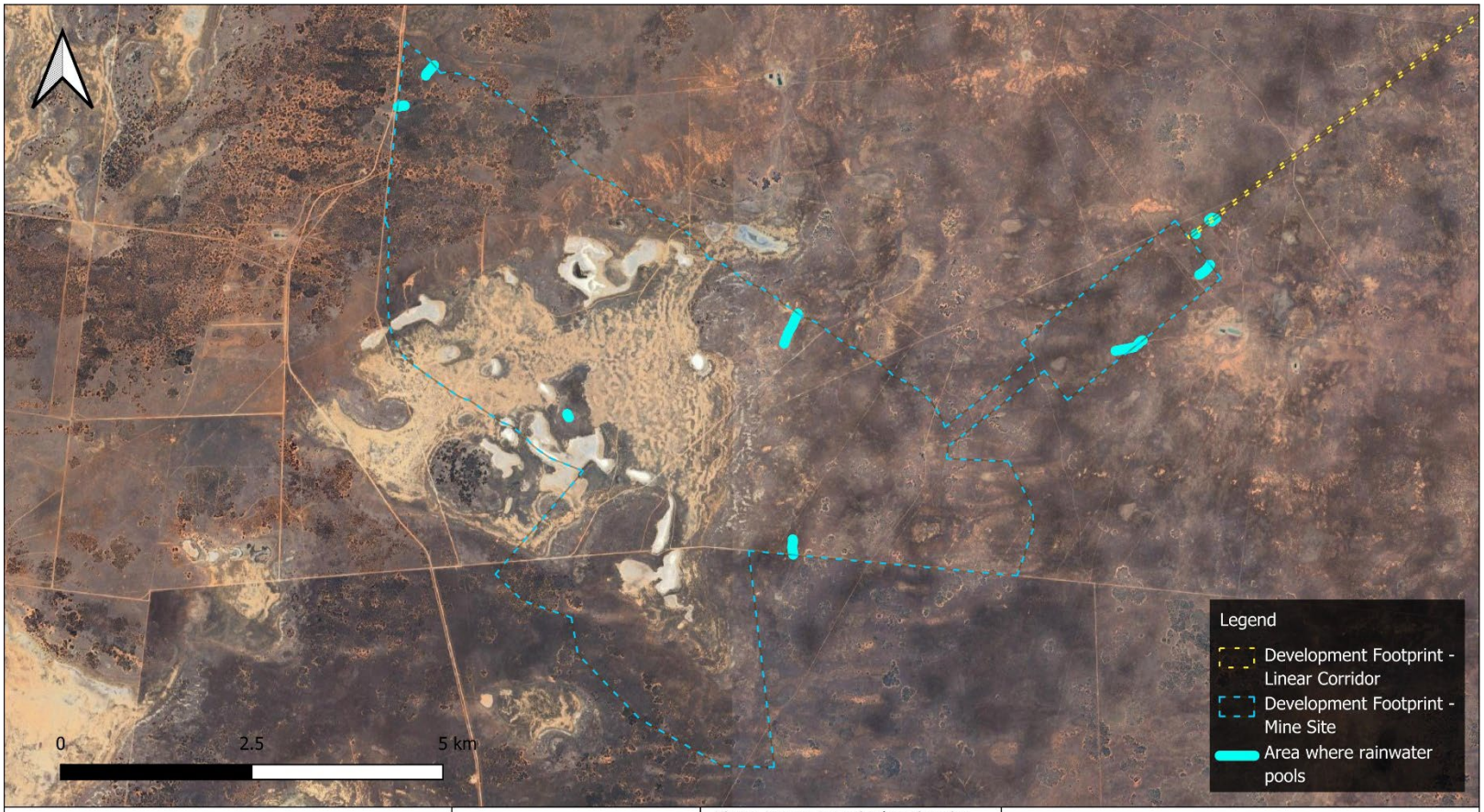
Survey guidelines utilised: NSW Government Department of Planning, Industry & Environment (DPIE) (2020): NSW Survey Guide for Threatened Frogs; A guide for the survey of threatened frogs and their habitats for the BAM.

Survey guideline requirements:

- 4 call days of Acoustic detection over 2 days after >50 millimetres in 24 hrs.

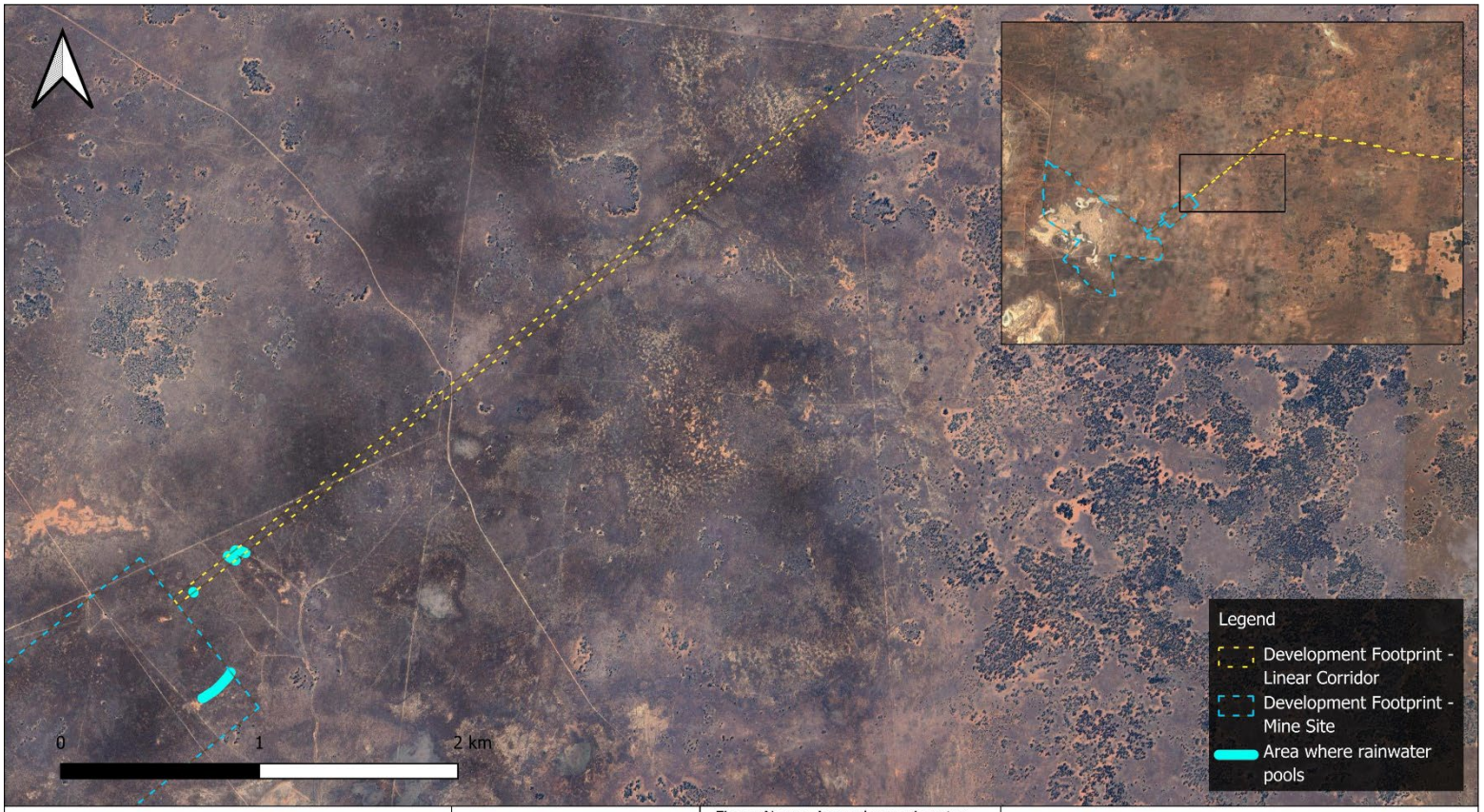
Survey guidelines met:

- Suitable rainfall conditions have not eventuated.
- An Expert Report (Section 4.3.3.10, A-6) has been provided in the absence of suitable survey conditions, see Appendix A-7.



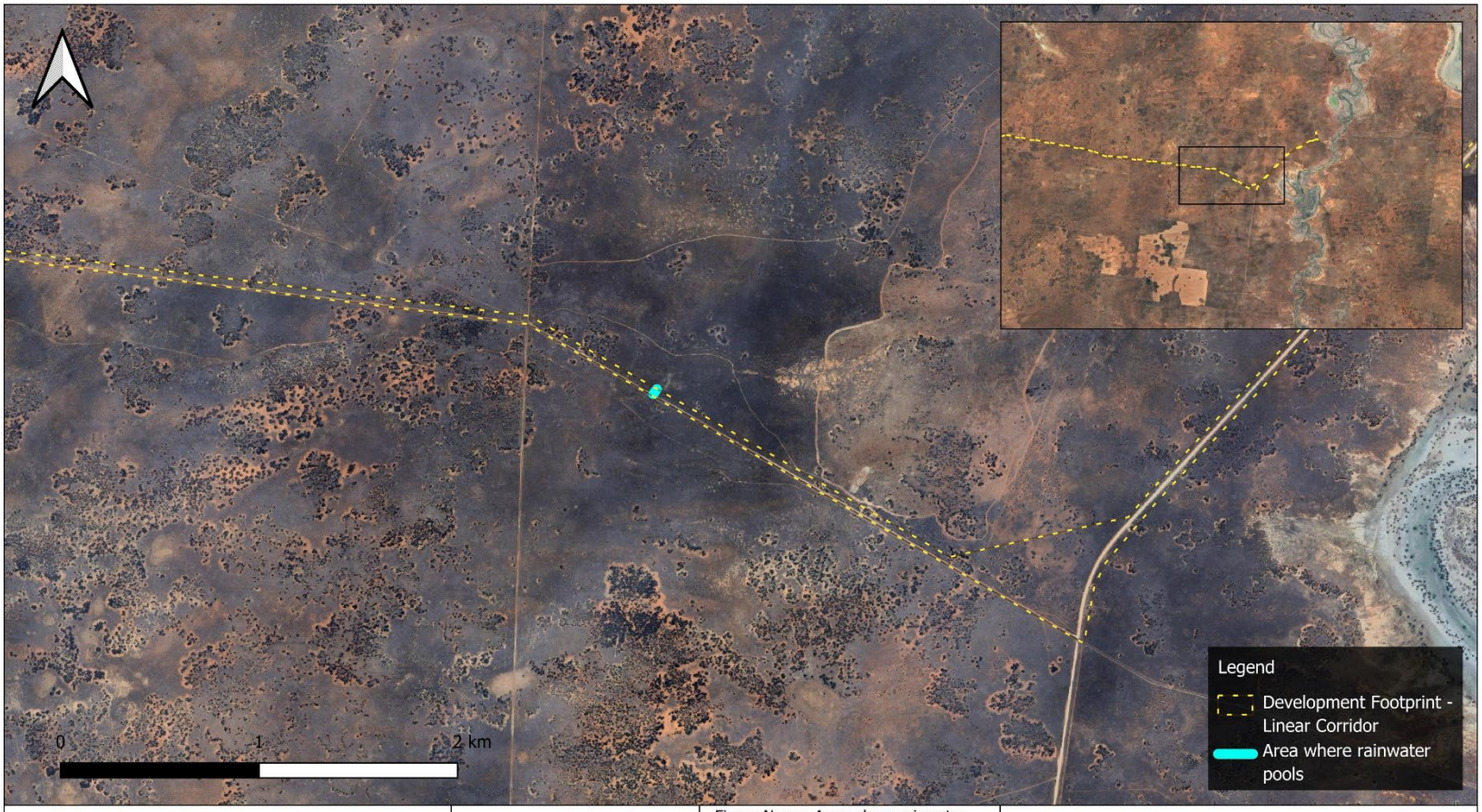
This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Areas in the mine site where rainwater pools after a significantly large rainfall event - Development Footprint - Mine Site	Biodiversity AUSTRALIA	
	Drawn by: NE	Location: Warwick Station		
	Date: November 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
				Scale: 1:65000

Figure 66: Areas in the mine site where rainwater pools after a significantly large rainfall event– Development Footprint - Mine Site



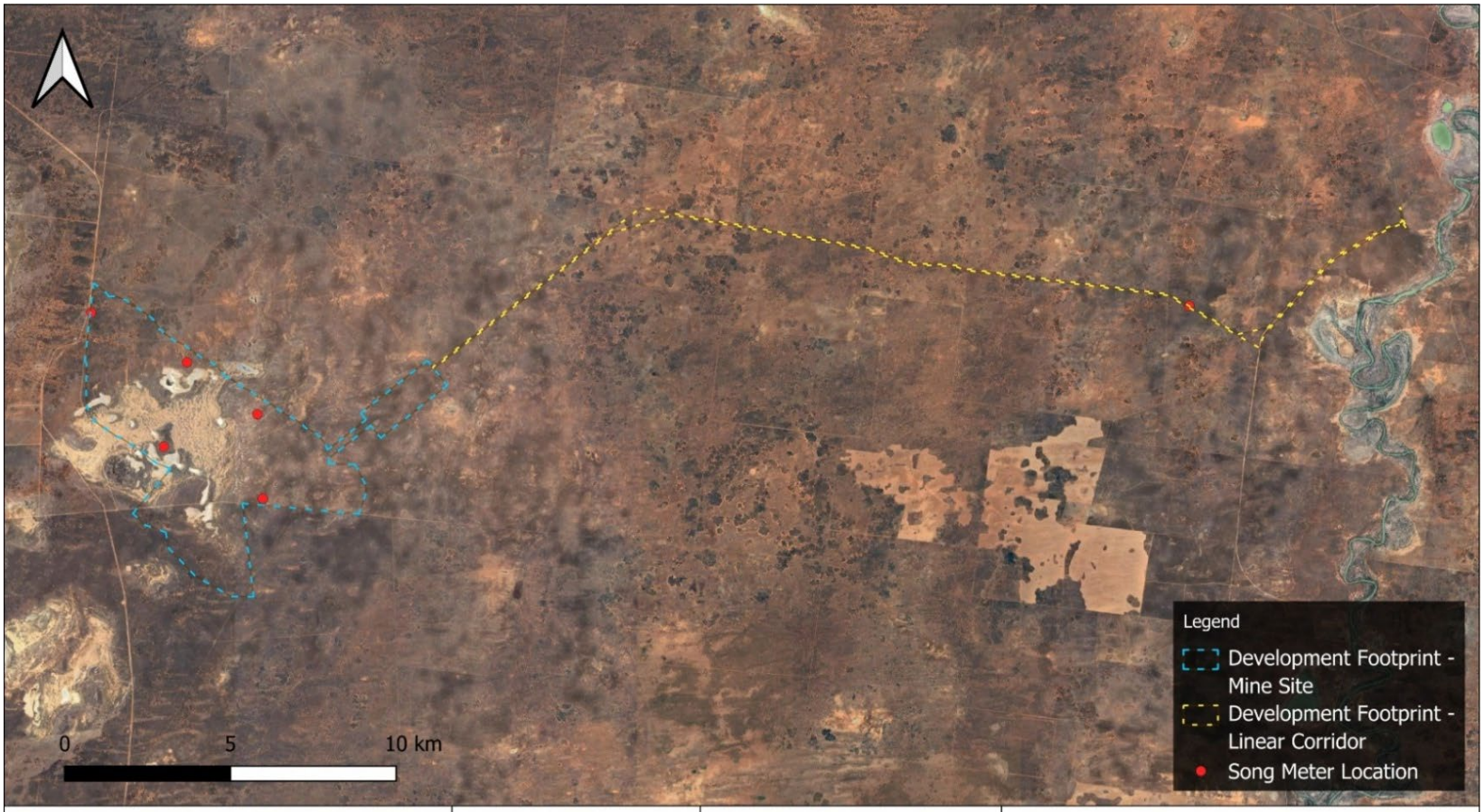
This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Area where rainwater pools after a significantly large rainfall event - Development Footprint - Linear Corridor 1/2	Biodiversity AUSTRALIA	
	Drawn by: NE	Location: Warwick Station		
	Date: November 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
				Scale: 1:25000

Figure 67: Area where rainwater pools after a significantly large rainfall event – Development Footprint - Linear Corridor 1 / 2



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Area where rainwater pools after a significantly large rainfall event - Development Footprint - Linear Corridor 2/2	Biodiversity AUSTRALIA	
	Drawn by: NE	Location: Warwick Station		
	Date: November 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
				Scale: 1:25000

Figure 68: Area within linear corridor where rainwater pools after significantly large rainfall events – Development Footprint - Linear Corridor 2 / 2



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Locations of Song Meter Recording Sites - Development Footprint	Biodiversity AUSTRALIA
	Drawn by: NE	Location: Warwick Station	
	Date: May 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872 / Spatial Reference: GDA2020 / MGA zone 54 / Scale: 1:150000

Figure 69: Location of targeted acoustic recorder surveys - Development Footprint

4.3.3.10 Expert Reports

Biodiversity Australia, GHD and Ecological Horizons

Species Assessed: Painted Burrowing Frog (*Neobatrachus pictus*) and Desert Mouse (*Pseudomys desertor)*

Habitat surveys were conducted for the Painted Burrowing Frog and Desert Mouse in May 2025, by suitably qualified ecologists to determine areas within the Development Footprint in which these species may occur (Figure 66 through Figure 68). Potential suitable breeding habitat for the Painted Burrowing Frog within the Development Footprint is comprised of PCT 58, 152, 154, 157 and 221, encompassing areas containing depressions, ephemeral saline wetlands and farm dams. Acoustic recorders were deployed in May 2025 within the potential suitable habitat locations (Figure 69) to determine the presence of *Neobatrachus pictus,* however a suitable rain event has not occurred within the region to obtain suitable data to confirm the presence/absence of this species since deployment. Following habitat surveys a preliminary assessment report was provided, identifying the low likelihood of occurrence of both the Painted Burrowing Frog and Desert Mouse (GHD 2025).

To support the undertaken surveys for the Painted Burrowing Frog (*Neobatrachus pictus*) and Desert Mouse (*Pseudomys desertor),* an expert report was sought in accordance with Box 3 of the Biodiversity Assessment Method (DPIE 2020). The preliminary assessment report and identified potential habitat (Figure 66 through Figure 68) was provided to Dr John Read, a recognised authority on *Pseudomys desertor* (SF23/131992) and *Neobatrachus pictus* (SF23/131995). Dr Read's expert status for these two species has been confirmed by the Director of South West, Biodiversity and Conservation Division, Department of Planning and Environment on 17 November 2023.

The expert report provided (A-7) addresses the potential of occurrence of these two species within the Development Footprints. Dr Read concluded that these two species are considered to be highly unlikely to occur within the Development Footprints due to the following reasoning.

1) *Despite records for both species from the Tarawi Reserve (Desert Mouse) and Scotia Sanctuary (Painted Burrowing Frog) within 40km of the study area, scarcity of other nearby records suggest that the Project lies on, or just beyond, the periphery of the consistently occupied range of both species.*
2) *The habitat of the project area is 'heavily grazed' by goats and macropods (GHD 2025), without the extensive tracts of good quality Triodia hummock land or natural or artificial sedgeland that typify P. desertor habitat. The long unburnt Triodia without abundant green foliage required by P. desertor, suggest both food and shelter sites are suboptimal in the region.*
3) *Potentially suitable, yet low likelihood, breeding habitat for Painted Burrowing Frogs was identified at 5 sites. Analyses of song meter data following >50mm rainfall events, and ideally follow-up ground surveys would be required to confirm or rule out their occupancy of these sites. However, the extensive tracts of unsuitable saline wetlands and paucity of quality ephemeral swamps or rock holes makes it highly unlikely that the Copi Mineral Sands site provides habitat for the Painted Burrowing Frog.*
4) *The abundance of foxes (observed nightly across the shrublands, and also feral cats observed consistently in and around the spinifex/mallee (J. Foster pers. comm.; tracks of both species observed (A Holmes pers. comm.) further reduces the likelihood of permanent Desert Mouse populations in the degraded study site.*
5) *The brief site appraisal failed to locate either species or likely habitat for either species within the project area (GHD 2025).*

On the basis of the expert report conclusion, it was determined the identified potential habitat (Figure 66 through Figure 68) lacked connectivity to known records and other habitat for the Painted Burrowing Frog, resulting in it being excluded as a species credit species. Similarly the Desert Mouse has been

excluded as a species credit species on the basis of survey results and the expert report conclusion located in A-7 and A-8.

As per the Frogs of south-west NSW, Painted Burrowing Frogs are primarily threatened by habitat loss and fragmentation caused by over-grazing and the decline of suitable wetland habitats (Ephemeral claypans, swamps, floodplains and permanent rivers), which is present withing the Development Footprint (DCCEEW, 2024).

Occurrence of resident or important populations of *N. pictus* is unlikely at the Copi Mineral Sands site, due to the key threats to the species within the site such as fragmentation by land clearing, loss of habitat through over-grazing by sheep and goats, and the loss of suitable wetland habitats (DCCEEW, 2024). This is supported by the conclusions from the GHD literature, data review and site report.

The Painted Burrowing Frog was determined to be unlikely to occur within the Development Footprints due to the scarcity of nearby records, presence of extensive tracts of unsuitable habitat and presence of predatory animals. As such the Painted Burrowing Frog has been excluded as a species credit species from the assessment.

See Appendix A-7 and A-8**.** for the full reports.

4.3.4 Survey Timing and Limitations

4.3.4.1 Flora

The survey period fell within the BAM-C prescribed survey period for all target flora species.

4.3.4.2 Fauna

Fauna detectability is limited by seasonal, behavioural or lifecycle characteristics of each species, and even by habitat variations (e.g. flowering periods), which can occur within a year, between years, decades, etc. (DEC 2004).

The survey timing coincided with the recommended survey period for all targeted fauna species. A single Little Eagle was recorded on the Subject Land on 17 December 2024, however surveys conducted between 6-11 August 2025 failed to detect the species within the Development Footprint – Mine Site. Surveys were conducted for nests as required for the species however no signs of breeding were observed. This dual credit species will be offset under ecosystem credits.

The survey requirements for the Painted Burrowing Frog, >50 millimetres of rainfall in 24 hrs are yet to be met. The lack of suitable survey conditions has resulted in the lack of suitable acoustic recordings, in lieu of this data, an expert report has been provided with suggestions Copi Mineral Sands site is highly unlikely to be of significance for *N. pictus* (Section 4.3.3.10, A-7 & A-8).

The survey requirements for the Desert Mouse were met in accordance with the species survey requirements. A species expert report was also produced for the mouse which states the Copi Mineral Sands site is highly unlikely to be of significance for the Desert Mouse. (Section 4.3.3.10, A-7 & A-8).

4.3.5 Incidental Observations

Any incidental fauna species that were observed, heard calling, or otherwise detected based on tracks or signs, were recorded and listed in the total species list for the Subject Land.

4.4 Targeted Survey Results

4.4.1 Flora

Threatened flora surveys detected the presence of one threatened flora species within the Development Footprint - *Austrostipa nullanulla* (Nulla spear-grass). Targeted threatened flora survey results and method are shown in Table 51, Figure 70, and



Photograph 18. Site Vegetation List is presented in Appendix A-2

4.4.1.1 Species Polygon

The only threatened flora species recorded within the Development Footprint areas was *Austrostipa nullanulla*. This species was detected during the two-phase grid-based systematic survey approach for large areas and subsequently searched for using the finer scale 10 m grid transect approach to locate and confirm the population extent. This helped define the species polygon, which was further refined to include all suitable substrates on which the species is considered to inhabit. Suitable habitat for the species is defined as land containing gypseous lunettes and copi rises. The species is associated with PCTS 152 Lunette chenopod shrubland mainly of the Murray Darling Depression Bioregion, 154 Pearl Bluebush low open shrubland of the arid and semi-arid plains and 253 Gypseous shrubland on rises in the semi-arid and arid plains. The species polygon was passed on these habitat constraints as listed in the NSW BioNet TBDC.

4.4.2 Fauna

Targeted threatened fauna survey results and methods are shown in Table 51, Photograph 17, and Photograph 18. Site Fauna List is presented in Appendix A-3.

4.4.2.1 Habitat Features

At the time of field surveys, the Subject Land was assessed to be in a modified state and included disturbances such as, clearing, over grazing by native and feral animals (goats and sheep) and weed invasion.

A range of habitat features were recorded which are described in Table 47 Table 48 and Table 49.

4.4.2.2 Species Polygon

The only threatened fauna species recorded within the Development Footprint areas was the Pink Cockatoo. This species was detected during all forms of surveys and incidentally both within and outside the Development footprint and Subject land. Where the species was detected within the Development footprint searches were conducted where surveyors followed the birds until they flew out of the Development Area out of sight. The species was not observed flying to a nest tree; however, this report has assumed presence of the species and species polygons have been drawn (200 m radius buffer) around two potential suitable breeding trees (HBT1 and HBT11). The species polygon areas are shown in the Table 48 below and illustrated in Figure 73.

Table 48: Pink Cockatoo Species polygon – PCT areas within Hollow Bearing Trees 1 & 11 200 m buffer

Vegetation Zone	Area (ha)	Credits
Linear Corridor - HBT 11		
LC-VZ#2-58_Mod	3.37	91
LC-VZ#3-143_Mod	0.2	8
LC-VZ#4-154_Mod	3.93	67
Subtotal	**7.5**	**166**

Vegetation Zone	Area (ha)	Credits
Mine Site - HBT 1		
MS-VZ#11-221_Mod	7.21	207
MS-VZ#12-221_High	1.01	28
MS-VZ#4-154_Mod	3.8	64
MS-VZ#7-170_Mod	0.54	8
Subtotal	**12.56**	**307**
Total	**20.06**	**473**

Table 49: Summary of habitat values Development Footprint – Mine Site

Habitat/ Attribute Type	Vegetation Zone 1	Vegetation Zone 2	Vegetation Zone 3
	PCT 58-Black Oak - Western Rosewood open woodland on deep sandy loams mainly in the Murray Darling Depression Bioregion	PCT 64-Samphire - Water Weed - Sea-Heath shrubland saline wetland of depressions of the arid and semi-arid (warm) zones	PCT 152-Lunette chenopod shrubland mainly of the Murray Darling Depression Bioregion
Groundcover	Moderate density chenopod groundcover	Low - moderate density chenopod groundcover	Moderate density chenopod groundcover throughout Vegetation Zone
Leaf litter	Moderate density casuarina needle and chenopod debris litter	Low to absent litter cover	Moderate litter cover present
Logs and debris	Moderate density woody debris	Low to absent woody debris	Very low density of Logs present throughout the Vegetation Zone
Hollows	Some mature trees with small hollows (< 10 cm) that may provide nesting habitat for small arboreal mammals and birds. Medium-sized (10-20 cm) hollows present in lower abundances (12) which may provide nesting habitat for larger arboreal mammals and birds e.g. possums, cockatoos.	Absent	Absent
Nectar Sources	Absent	Absent	Absent
Sap and gum sources	Absent	Absent	Absent
Allocasuarinas	*Casuarina pauper* present in moderate-high densities	Absent	Absent
Aquatic/ wetland habitats	Absent	Scattered ephemeral depressions/salt pans present	Absent
Fruiting species	Absent	Absent	Absent
Forest bird habitat	Low to average quality bird habitat. Some nesting, forage and refuge habitat value provided by trees and shrubs.	Very poor-quality bird habitat due to absence of trees and associated nesting, refuge and foraging resources.	Poor-quality bird habitat due to low number of paddock trees and associated nesting, refuge and foraging resources.

Habitat/ Attribute Type	Vegetation Zone 1	Vegetation Zone 2	Vegetation Zone 3
	PCT 58-Black Oak - Western Rosewood open woodland on deep sandy loams mainly in the Murray Darling Depression Bioregion	PCT 64-Samphire - Water Weed - Sea-Heath shrubland saline wetland of depressions of the arid and semi-arid (warm) zones	PCT 152-Lunette chenopod shrubland mainly of the Murray Darling Depression Bioregion
Caves, cliffs, overhangs, culverts, bridges	Absent. Absence of roosts for obligate Microchiropteran bats.	Absent	Absent. Absence of roosts for obligate Microchiropteran bats.
Small terrestrial prey	Likely to be moderate prey abundance over most of the site due to scattered logs, dead and alive Hollow Bearing Trees and grassy ground cover.	Likely to be absent - low prey abundance over most of the zone due to lack of canopy and midstory, absence of logs.	Likely to be low prey abundance over most of the zone due to lack of canopy and midstory, absence of logs.
Habitat Linkages	Vegetation Zone provides some linkage with vegetation that will be retained on the Subject Land.	Patches isolated	Vegetation Zone provides some link with native vegetation to be retained on the Subject Land.

Habitat/ Attribute Type	Vegetation Zone 4	Vegetation Zone 5	Vegetation Zone 6	Vegetation Zone 7
	PCT 154-Pearl Bluebush low open shrubland of the arid and semi-arid plains	PCT 157-Bladder Saltbush shrubland on alluvial plains in the semi-arid (warm) zone including Riverina Bioregion	PCT 170-Chenopod sandplain mallee woodland/shrubland of the arid and semi-arid (warm) zones	PCT 171-Spinifex linear dune mallee mainly of the Murray Darling Depression Bioregion
Groundcover	Moderate density chenopod ground cover.	Sparse groundcover comprising of native and exotic herbs and grasses – high disturbance by goats.	Sparse chenopod groundcover moderately grazed by goats.	Sparse spinifex groundcover etc..
Leaf litter	Low to absent litter cover	Low density leaf litter present	Low to absent litter cover	Low to absent litter cover
Logs and debris	Low density woody debris from living and dead bluebush.	Low density of woody debris present.	Fallen timber littered throughout the Vegetation Zone.	Fallen timber littered throughout the Vegetation Zone.

Habitat/ Attribute Type	Vegetation Zone 4	Vegetation Zone 5	Vegetation Zone 6	Vegetation Zone 7
	PCT 154-Pearl Bluebush low open shrubland of the arid and semi-arid plains	PCT 157-Bladder Saltbush shrubland on alluvial plains in the semi-arid (warm) zone including Riverina Bioregion	PCT 170-Chenopod sandplain mallee woodland/shrubland of the arid and semi-arid (warm) zones	PCT 171-Spinifex linear dune mallee mainly of the Murray Darling Depression Bioregion
Hollows	Absent	Absent	Twelve mature trees with small hollows (< 10 cm) that may provide nesting habitat for small arboreal mammals and birds. Medium-sized (10-20 cm) and large (> 20 cm) hollows present in lower abundances which may provide nesting habitat for larger arboreal mammals and birds e.g. possums, cockatoos.	Twelve mature trees with small hollows (< 10 cm) that may provide nesting habitat for small arboreal mammals and birds. Medium-sized (10-20 cm) and large (> 20 cm) hollows present in lower abundances which may provide nesting habitat for larger arboreal mammals and birds e.g. possums, cockatoos.
Nectar Sources	Absent	Absent	Mistletoe abundant and flowering. *Eucalyptus dumosa, E. gracilis, E. socialis, Alectryon oleifolius canescens* species present on the Subject Land and would flower throughout the year.	Mistletoe abundant and flowering. *Eucalyptus socialis, E. Dumosa, E. gracilis* species present on the Subject Land and would flower throughout the year.
Sap and gum sources	Absent	Absent	*Eucalyptus dumosa, E. oleosa, E. gracilis, E. socialis, E. leptophylla, Alectryon oleifolius canescens* species present on the Subject Land.	*Eucalyptus socialis, E. Dumosa, E. gracilis, E. costata, E. leptophylla, E. oleosa* species present on the Subject Land.
Allocasuarinas	Absent	Absent	*Casuarina pauper* present in low densities.	*Casuarina pauper* present in low densities.
Aquatic/ wetland habitats	Absent	Absent	Absent	Absent
Fruiting species	Absent	Native apricot (*Pittosporum angustifolium*)	Absent	Some Eucalypt species present
Forest bird habitat	Low quality bird habitat. Shrubs may provide some limited habitat.	Moderate quality bird habitat. Shrubs may provide some limited habitat.	Average to high quality bird habitat due to abundance of refuge, forage and nesting habitat.	Average to high quality bird habitat due to abundance of refuge, forage and nesting habitat.

Habitat/ Attribute Type	Vegetation Zone 4	Vegetation Zone 5	Vegetation Zone 6	Vegetation Zone 7
	PCT 154-Pearl Bluebush low open shrubland of the arid and semi-arid plains	PCT 157-Bladder Saltbush shrubland on alluvial plains in the semi-arid (warm) zone including Riverina Bioregion	PCT 170-Chenopod sandplain mallee woodland/shrubland of the arid and semi-arid (warm) zones	PCT 171-Spinifex linear dune mallee mainly of the Murray Darling Depression Bioregion
Caves, cliffs, overhangs, culverts, bridges	Absent. Absence of roosts for obligate Microchiropteran bats.	Absent. Absence of roosts for obligate Microchiropteran bats.	Absent. Absence of roosts for obligate Microchiropteran bats.	Absent. Absence of roosts for obligate Microchiropteran bats.
Small terrestrial prey	Likely to be moderate prey abundance over most of the zone due to presence of ground cover, shrub layer as well as an abundance of logs, litter and dead and alive Hollow Bearing Trees.	Likely to be low-moderate prey abundance over most of the zone due to presence of ground cover, shrub layer as well as an abundance of logs, litter and dead and alive Hollow Bearing Trees.	Likely to be moderate prey abundance over most of the zone due to soil type (suitable for borrowing), presence of ground cover, shrub layer and canopy trees, as well as an abundance of logs, litter and dead and alive Hollow Bearing Trees.	Likely to be moderate prey abundance over most of the zone due to soil type (suitable for borrowing), presence of ground cover, shrub layer and canopy trees, as well as an abundance of logs, litter and dead and alive Hollow Bearing Trees.
Habitat Linkages	Vegetation Zone provides some linkage with vegetation that will be retained on the Subject Land.	Vegetation Zone provides some linkage with vegetation that will be retained on the Subject Land.	Vegetation Zone provides some linkage with vegetation that will be retained on the Subject Land.	Vegetation Zone provides some linkage with vegetation that will be retained on the Subject Land.

Habitat/ Attribute Type	Vegetation Zone 8	Vegetation Zone 9	Vegetation Zone 10	Vegetation Zone 11
	PCT 215-Woollybutt Grass open grassland on red earths of the inland plains	PCT 221-Black Oak - Pearl Bluebush open woodland of the sandplains of the semi-arid warm and arid climate zones	PCT 253-Gypseous shrubland on rises in the semi-arid and arid plains	PCT 254-Black Oak - Bladder Saltbush on light clays in the arid zone
Groundcover	Sparse groundcover comprising of native and exotic herbs and grasses.	Moderate density chenopod groundcover with moderate to high levels of goat disturbance.	Patchy groundcover comprising of native and exotic herbs and grasses.	Moderate density chenopod groundcover with moderate to high levels of goat disturbance.
Leaf litter	Moderate density leaf litter throughout.	Moderate density casuarina needle and chenopod debris litter.	Low to absent litter cover.	Moderate density casuarina needle and chenopod debris litter.

Habitat/ Attribute Type	Vegetation Zone 8	Vegetation Zone 9	Vegetation Zone 10	Vegetation Zone 11
	PCT 215-Woollybutt Grass open grassland on red earths of the inland plains	PCT 221-Black Oak - Pearl Bluebush open woodland of the sandplains of the semi-arid warm and arid climate zones	PCT 253-Gypseous shrubland on rises in the semi-arid and arid plains	PCT 254-Black Oak - Bladder Saltbush on light clays in the arid zone
Logs and debris	Few logs were present. Moderate density woody debris	Moderate density woody debris	Very few logs were present. Low density woody debris	Moderate density woody debris
Hollows	Absent	Some mature trees (39) with small hollows (< 10 cm) that may provide nesting habitat for small arboreal mammals and birds. Medium-sized (10-20 cm) hollows present in lower abundances (12) which may provide nesting habitat for larger arboreal mammals and birds e.g. possums, cockatoos.	Absent	Some mature trees (39) with small hollows (< 10 cm) that may provide nesting habitat for small arboreal mammals and birds. Medium-sized (10-20 cm) hollows present in lower abundances (12) which may provide nesting habitat for larger arboreal mammals and birds e.g. possums, cockatoos.
Nectar Sources	Absent	Occasional *Eucalyptus dumosa* present.	Absent	Occasional *Eucalyptus dumosa* present.
Sap and gum sources	Absent	Occasional *Eucalyptus dumosa* present.	Absent	Occasional *Eucalyptus dumosa* present.
Allocasuarinas	Absent	*Casuarina pauper* present in moderate-high densities.	Absent	*Casuarina pauper* present in moderate-high densities.
Aquatic/ wetland habitats	Absent	Absent	Absent	Absent
Fruiting species	Absent	Absent	Absent	Absent
Forest bird habitat	Low quality habitat due to absence of Hollow Bearing Trees and areas of shrubs for refuge and forage.	Average quality habitat due to presence of trees that may contain hollows and some areas of dense shrubs for refuge and forage.	Low quality habitat due to absence of Hollow Bearing Trees and areas of shrubs for refuge and forage.	Average quality habitat due to presence of trees that may contain hollows and some areas of dense shrubs for refuge and forage.
Caves, cliffs, overhangs, culverts, bridges	Absent. Absence of roosts for obligate Microchiropteran bats.	Absent. Absence of roosts for obligate Microchiropteran bats.	Absent. Absence of roosts for obligate Microchiropteran bats.	Absent. Absence of roosts for obligate Microchiropteran bats.

Habitat/ Attribute Type	Vegetation Zone 8	Vegetation Zone 9	Vegetation Zone 10	Vegetation Zone 11
	PCT 215-Woollybutt Grass open grassland on red earths of the inland plains	PCT 221-Black Oak - Pearl Bluebush open woodland of the sandplains of the semi-arid warm and arid climate zones	PCT 253-Gypseous shrubland on rises in the semi-arid and arid plains	PCT 254-Black Oak - Bladder Saltbush on light clays in the arid zone
Small terrestrial prey	Likely to be low-moderate prey abundance over most of the zone due to presence of ground cover, shrub layer as well as an abundance of logs, litter and dead and alive Hollow Bearing Trees.	Likely to be moderate prey abundance over most of the zone due to presence of ground cover, shrub layer and scattered canopy trees, as well as an abundance of logs, litter and dead and alive Hollow Bearing Trees.	Likely to be low prey abundance over most of the zone due to lack of canopy and understorey, very few logs and open ground cover.	Likely to be moderate prey abundance over most of the zone due to soil type (suitable for borrowing), presence of ground cover, shrub layer and canopy trees, as well as an abundance of logs, litter and dead and alive Hollow Bearing Trees.
Habitat Linkages	Vegetation Zone provides some linkage with vegetation that will be retained on the Subject Land.	Vegetation Zone provides some linkage with vegetation that will be retained on the Subject Land.	Vegetation Zone provides some linkage with vegetation that will be retained on the Subject Land.	Vegetation Zone provides some linkage with vegetation that will be retained on the Subject Land.

Table 50: Summary of habitat values within the Development Footprint - Linear Corridor

Habitat/ Attribute Type	Vegetation Zone 1	Vegetation Zone 2	Vegetation Zone 3
	PCT 28-White Cypress Pine open woodland of sand plains, prior streams and dunes mainly of the semi-arid (warm) climate zone	PCT 58-Black Oak - Western Rosewood open woodland on deep sandy loams mainly in the Murray Darling Depression Bioregion	PCT 143-Narrow-leaved Hopbush - Scrub Turpentine - Senna shrubland on semi-arid and arid sandplains and dunes.
Groundcover	Sparse groundcover comprising of native and exotic herbs and grasses – high disturbance by goats.	Low density chenopod groundcover with moderate – high disturbance by goats.	Sparse groundcover comprising of native and exotic herbs and grasses – high disturbance by goats.
Leaf litter	Low density leaf litter present.	Patches of moderate density casuarina needle and chenopod debris litter.	Low density leaf litter present.
Logs and debris	Logs were present throughout the vegetation zone.	Moderate density of woody debris present.	Low density of woody debris present.
Hollows	Low number (39) of mature trees with small hollows (< 10 cm) that may provide nesting habitat for small arboreal mammals and birds. Medium-sized (10-20 cm) hollows present in lower abundances (12) which may provide nesting habitat for larger arboreal mammals and birds e.g. possums, cockatoos.	Some mature trees (39) with small hollows (< 10 cm) that may provide nesting habitat for small arboreal mammals and birds. Medium-sized (10-20 cm) hollows present in lower abundances (12) which may provide nesting habitat for larger arboreal mammals and birds e.g. possums, cockatoos.	Absent
Nectar Sources	Absent	Absent	Absent
Sap and gum sources	Absent	Absent	Absent
Allocasuarinas	Absent	*Casuarina pauper* present in moderate densities.	Absent
Aquatic/ wetland habitats	Absent	Absent	Absent
Fruiting species	Absent	Absent	Largely absent with few fruiting shrubs
Forest bird habitat	Low to moderate quality bird habitat. Some nesting, forage and refuge habitat value provided by trees and shrubs. However, regrowth is largely absent due to browsing by feral goats.	Low to moderate quality bird habitat. Some nesting, forage and refuge habitat value provided by trees and shrubs. However, regrowth is largely absent due to browsing by feral goats.	Low quality forest bird habitat. Few scattered mature trees present. However, regrowth is largely absent due to browsing by feral goats.

Habitat/ Attribute Type	Vegetation Zone 1	Vegetation Zone 2	Vegetation Zone 3
	PCT 28-White Cypress Pine open woodland of sand plains, prior streams and dunes mainly of the semi-arid (warm) climate zone	PCT 58-Black Oak - Western Rosewood open woodland on deep sandy loams mainly in the Murray Darling Depression Bioregion	PCT 143-Narrow-leaved Hopbush - Scrub Turpentine - Senna shrubland on semi-arid and arid sandplains and dunes.
Caves, cliffs, overhangs, culverts, bridges	Absent	Absent. Absence of roosts for obligate Microchiropteran bats.	Absent
Small terrestrial prey	Likely to be moderate prey abundance over most of the zone due to soil type (suitable for borrowing), presence of ground cover, shrub layer and canopy trees, as well as an abundance of logs, litter and dead and alive Hollow Bearing Trees.	Likely to be moderate prey abundance over most of the zone due to soil type (suitable for borrowing), presence of ground cover, understorey and canopy trees, as well as an abundance of logs, litter and dead and alive Hollow Bearing Trees.	Likely to be moderate prey abundance over most of the zone due to soil type (suitable for borrowing), presence of ground cover, shrub layer and canopy trees, as well as an abundance of logs, litter and dead and alive Hollow Bearing Trees.
Habitat Linkages	Vegetation Zone provides some linkage with vegetation that will be retained on the Subject Land.	Vegetation Zone provides some linkage with vegetation that will be retained on the Subject Land.	Vegetation Zone provides some linkage with vegetation that will be retained on the Subject Land.

Habitat/ Attribute Type	Vegetation Zone 4	Vegetation Zone 5	Vegetation Zone 6
	PCT 154-Pearl Bluebush low open shrubland of the arid and semi-arid plains	PCT 170-Chenopod sandplain mallee woodland/shrubland of the arid and semi-arid (warm) zones	PCT 171-Spinifex linear dune mallee mainly of the Murray Darling Depression Bioregion
Groundcover	Moderate density chenopod ground cover.	Sparse chenopod groundcover moderately grazed by goats	Sparse spinifex groundcover etc..
Leaf litter	Low to absent litter cover	Low to absent litter cover	Low to absent litter cover
Logs and debris	Low density woody debris from living and dead bluebush.	Fallen timber littered throughout the Vegetation Zone.	Fallen timber littered throughout the Vegetation Zone.
Hollows	Absent	Numerous mature trees (39) with small hollows (< 10 cm) that may provide nesting habitat for small arboreal mammals and birds. Medium-sized (10-20 cm) and large (> 20 cm) hollows present in	Numerous mature trees (39) with small hollows (< 10 cm) that may provide nesting habitat for small arboreal mammals and birds. Medium-sized (10-20 cm) and large

Habitat/ Attribute Type	Vegetation Zone 4	Vegetation Zone 5	Vegetation Zone 6
	PCT 154-Pearl Bluebush low open shrubland of the arid and semi-arid plains	PCT 170-Chenopod sandplain mallee woodland/shrubland of the arid and semi-arid (warm) zones	PCT 171-Spinifex linear dune mallee mainly of the Murray Darling Depression Bioregion
		lower abundances (12) which may provide nesting habitat for larger arboreal mammals and birds e.g. possums, cockatoos. No hollows were found >20 cm and >4 m above the ground.	(> 20 cm) hollows present in lower abundances (12) which may provide nesting habitat for larger arboreal mammals and birds e.g. possums, cockatoos.
Nectar Sources	Absent	Mistletoe abundant and flowering. *Eucalyptus dumosa, E. gracilis, E. socialis, Alectryon oleifolius canescens* species present on the Subject Land and would flower throughout the year	Mistletoe abundant and flowering. *Eucalyptus socialis, E. Dumosa, E. gracilis* species present on the Subject Land and would flower throughout the year
Sap and gum sources	Absent	*Eucalyptus dumosa, E. oleosa, E. gracilis, E. socialis, E. leptophylla, Alectryon oleifolius canescens* species present on the Subject Land.	*Eucalyptus socialis, E. Dumosa, E. gracilis, E. costata, E. leptophylla, E. oleosa* species present on the Subject Land.
Allocasuarinas	Absent	*Casuarina pauper* present in low densities.	*Casuarina pauper* present in low densities.
Aquatic/ wetland habitats	Absent	Absent	Absent
Fruiting species	Absent	Largely absent with a few fruiting eucalypt species	Largely absent with a few fruiting eucalypt species
Forest bird habitat	Low quality bird habitat. Shrubs may provide some habitat.	Average to high quality bird habitat due to abundance of refuge, forage and nesting habitat.	Average to high quality bird habitat due to abundance of refuge, forage and nesting habitat.
Caves, cliffs, overhangs, culverts, bridges	Absent. Absence of roosts for obligate Microchiropteran bats.	Absent. Absence of roosts for obligate Microchiropteran bats.	Absent. Absence of roosts for obligate Microchiropteran bats.
Small terrestrial prey	Likely to be low-moderate terrestrial prey abundance over most of the site due to scattered logs, low thick shrubs and grassy ground cover.	Likely to be moderate prey abundance over most of the zone due to soil type (suitable for borrowing), presence of ground cover, shrub layer and canopy trees, as well as an abundance of logs, litter and dead and alive Hollow Bearing Trees.	Likely to be moderate prey abundance over most of the zone due to soil type (suitable for borrowing), presence of ground cover, shrub layer and canopy trees, as well

Habitat/ Attribute Type	Vegetation Zone 4	Vegetation Zone 5	Vegetation Zone 6
	PCT 154-Pearl Bluebush low open shrubland of the arid and semi-arid plains	PCT 170-Chenopod sandplain mallee woodland/shrubland of the arid and semi-arid (warm) zones	PCT 171-Spinifex linear dune mallee mainly of the Murray Darling Depression Bioregion
			as an abundance of logs, litter and dead and alive Hollow Bearing Trees.
Habitat Linkages	Vegetation Zone provides some linkage with native vegetation that will be retained on the Subject Land.	Vegetation Zone provides some linkage with native vegetation to be retained on the Subject Land.	Vegetation Zone provides some linkage with native vegetation to be retained on the Subject Land.

4.4.2.3 All Observed/Detected Fauna

The surveys detected a range of fauna species over the Subject Land. Birds were the most common species detected (82 species), followed by reptiles (29 species), mammals (17 species), 5 of which are introduced and amphibians (3 species).

Two dual credit species (Ecosystem and species credit species) were detected during the survey; of these only the Pink Cockatoo (*Lophochroa leadbeateri*) was recorded both during and outside of the breeding season, and within and outside of the Development Footprint. Although numerous individuals, pairs, and groups were recorded, no evidence of breeding activity was observed despite persistent tracking and observation of these individuals. None of the Pink Cockatoos were observed using the identified potential nest trees, and none of the identified hollows were observed to have any evidence of nesting or breeding activity during the repeat visits and inspections. The second dual credit species recorded was the Little Eagle (*Hieraaetus morphnoides*) which was observed and photographed outside the Development Footprints, but within the Assessment Area, at the homestead on 17 December 2024. *H. morphnoides* was not recorded during the TBDC listed species survey period or within the Assessment Area, and it has been excluded from this BDAR due to it not being recorded during targeted surveys in August 2025 within potential breeding habitat or near eight large nests recorded within the Development Footprint – Mine Site.

A summary of target species/habitat features detected during the various field survey methods is listed below:

- Active herpetological searches – No threatened species were recorded during active herpetological searches.
- Diurnal bird surveys: - Four threatened bird species (South-eastern Hooded Robin (*Melanodryas cucullata*), Pink Cockatoo (*Lophochroa leadbeateri*), Southern Whiteface (*Aphelocephala leucopsis*), White-fronted Chat (*Epthianura albifrons*)) were identified during the diurnal bird surveys.
- Hollow Bearing Tree search – Thirty-nine (39) Hollow Bearing Trees were located, bearing a total of 65 tree hollows. Of these hollows, 12 were greater than 10 cm in diameter and more than 2 m above the ground (suitable breeding habitat for the Pink Cockatoo). Sixteen (16) are greater than or equal to 20 cm in diameter, and 1 greater than or equal to 30 cm in diameter. One hollow with a diameter of 20 cm and 4.5 m above ground level, potential suitable breeding habitat for large owls and parrots, was observed within the Assessment Area. Only 9 of the Hollow Bearing Trees were situated within the Development Footprints. Only 12 HBTs are suitable for the Pink Cockatoo, containing one or more hollows that is both >10 cm diameter and > 2 m above the ground. Two of the HBTs suitable for Pink Cockatoo breeding are located within the Development Footprint and 10 suitable HBTs are located beyond the footprint, outside the direct impact area. Hollow Bearing Tree Photographs are located in Appendix A-1.
- Nocturnal spotlighting surveys - No threatened fauna species were recorded during the nocturnal spotlighting surveys. Some of the native species recorded include *Podargus strigoides* (Tawny Frog-mouth), *Osphranter rufus* (Red kangaroos) and *Macropus giganteus* (Grey Kangaroo). Non-native fauna recorded were *Capra hircus* (Goats).
- Nocturnal call playback – No threatened fauna or non-threatened fauna species were recorded during the nocturnal call playback surveys.
- Elliot and pitfall trapping – No threatened fauna species were recorded during the Elliot and pitfall trapping surveys.

- Microbat call recording and analysis - No threatened fauna species credit species were recorded during the Anabat surveys. A microbat of the *Nyctophilus* genus was recorded, which may have been Corben's Long-eared Bat (*Nyctophilus corbeni*), a vulnerable ecosystem credit species.
- Opportunistic – One threatened species observed, the Little Eagle (*Hieraaetus morphnoides*).

Photograph 17: Little Eagle (*Hieraaetus morphnoides*) observed at Warwick Station Homestead, 17 December 2024.



4.4.2.4 Threatened Species Detected

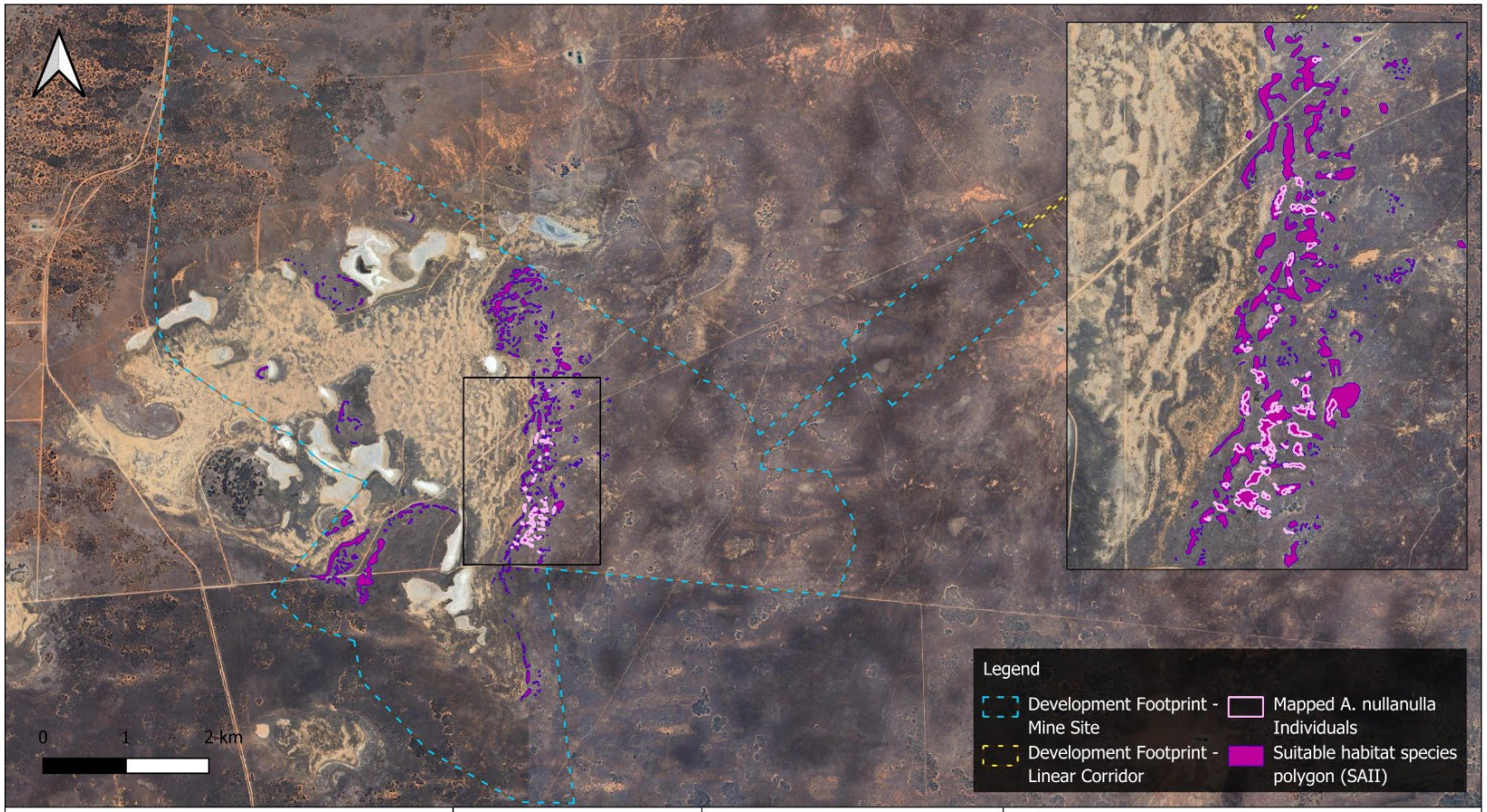
A single Little Eagle (*Hieraaetus morphnoides*) was observed at Warwick Station Homestead on 17 December 2024 outside of the Development Footprints (Figure 70). The sighting was outside the species survey window, which is August-October. The requisite surveys were conducted for the species from 6-11 August 2025, and the species was not detected. The species has been excluded from this report as a species credit species, however it is included in the ecosystem offsetting requirement.

Table 51 provides a list of species credit species subject to targeted survey.

Table 51: Species Credit Species survey results

Common Name	Scientific Name	Survey conducted	Survey timing constraints met?	Habitat components met?	Species detected?	Method
Flora						
Harrow Wattle	Acacia acanthoclada	Oct-Nov	Y	Y	N	Small Area 10 m Parallel field traverses
Purple -wood Wattle	*Acacia carneorum*	Nov	Y	Y	N	Two-phase 100 m grid-based systematic survey approach for large areas
A Saltbush	*Atriplex infrequens*	Nov-Feb	Y	Y	N	Two-phase 100 m grid-based systematic survey approach for large areas
A Spear-grass	*Austrostipa metatoris*	Nov	Y	Y	N	Small Area 10 m Parallel field traverses
Nulla spear-grass	*Austrostipa nullanulla*	Nov-Dec	Y	Y	Y	Two-phase 100 m grid-based systematic survey approach for large areas, followed by 20m grid search
Mossgiel Daisy	*Brachyscome papillosa*	Nov	Y	Y	N	Two-phase 100 m grid-based systematic survey approach for large areas
A Burr-daisy	*Calotis moorei*	Nov	Y	Y	N	Two-phase 100 m grid-based systematic survey approach for large areas
Bluebush Daisy	*Cratystylis conocephala*	Nov-Feb	Y	Y	N	Two-phase 100 m grid-based systematic survey approach for large areas
Desert Hopbush	*Dodonaea stenozyga*	All year	Y	Y	N	Small Area 10 m Parallel field traverses
Fleshy Minuria	*Kippistia suaedifolia*	Nov-Feb	Y	Y	N	Two-phase 100 m grid-based systematic survey approach for large areas
Pink Velvet Bush	*Lasiopetalum behrii*					Small Area 10 m Parallel field traverses
Winged Peppercress	*Lepidium monoplocoides*	Dec	Y	Y	N	Small Area 10 m Parallel field traverses
Button Immortelle	*Leptorhynchos waitzia*	Nov	Y	Y	N	Small Area 10 m Parallel field traverses
Thyme Rice-Flower	*Pimelea serpyllifolia subsp. serpyllifolia*		Y	Y	N	Small Area 10 m Parallel field traverses
Greenhood Orchid	*Pterostylis cobarensis*		Y	Y	N	Small Area 10 m Parallel field traverses
Bitter Quandong	*Santalum murrayanum*		Y	Y	N	Small Area 10 m Parallel field traverses
Bladder Senna	*Swainsona colutoides*		Y	Y	N	Small Area 10 m Parallel field traverses
Yellow Swainson-pea	*Swainsona pyrophila*		Y	Y	N	Small Area 10 m Parallel field traverses
Silky Swainson-pea	*Swainsona sericea*	Nov	Y	Y	N	Small Area 10 m Parallel field traverses

Common Name	Scientific Name	Survey conducted	Survey timing constraints met?	Habitat components met?	Species detected?	Method
Fauna						
Crowned Gecko	*Lucaslum stenodactylum*	Dec - Jan	Y	Y	N	Nocturnal spotlight, physical habitat searches, Elliot trapping, pitfall trapping
Painted Burrowing frog	*Neobatrachus-pictus*	All Year	Y	N	N	Acoustic recording after flooding rain. Flooding rain has not occurred.
Pink Cockatoo	*Lophochroa leadbeateri*	Aug – Feb	Y	Y	Y	Diurnal bird survey, HBT watch, Opportunistic
Black-eared Miner	*Manorina melanotis*	Nov – Feb	Y	Y	N	Diurnal bird survey, Opportunistic
Red-lored Whistler	*Pachycephala rufogularis*	Nov – Feb	Y	Y	N	Diurnal bird survey, Opportunistic
South-eastern Hooded Robin	*Melanodryas cucullata*	Nov – Feb	Y	Y	Y	Diurnal bird survey, Opportunistic
Southern Whiteface	*Aphelocephala leucopsis*	Nov – Feb	Y	Y	Y	Diurnal bird survey, Opportunistic
White-fronted Chat	*Epthianura albifrons*	Nov – Feb	Y	Y	Y	Diurnal bird survey, Opportunistic
Black-breasted Buzzard	*Hamirostra melanosternon*	Nov – Feb	Y	Y	N	Diurnal birds of prey survey, Opportunistic
Square-tailed Kite	*Lophoictinia isura*	Nov – Feb	Y	Y	N	Diurnal birds of prey survey, Opportunistic
Little Eagle	*Hieraaetus morphnoides*	August	Y	Y	N	Diurnal birds of prey survey, at hottest time of day.
White-bellied Sea-Eagle	*Haliaeetus leucogaster*	Nov – Feb	Y	Y	N	Diurnal birds of prey survey, Opportunistic
Bush Stone-curlew	*Burhinus grallarius*	Nov – Feb	Y	Y	N	Diurnal birds of prey survey, Nocturnal spotlight, Opportunistic
Australian Bustard	*Ardeotis australis*	Nov – Feb	Y	Y	N	Diurnal birds of prey survey, Opportunistic
Southern Hairy-nosed Wombat	*Lasiorhinus latifrons*	Feb	Y	Y	N	Nocturnal spotlight
Masked Owl	*Tyto novaehollandiae*	Jan	Y	Y	N	Nocturnal call
Desert Mouse	*Pseudomys desertor*	Dec	Y	Y	N	Elliot trapping, pitfall trapping/ Nocturnal spotlight
Southern Myotis	*Myotis macropus*	Jan	Y	Y	N	Acoustic survey



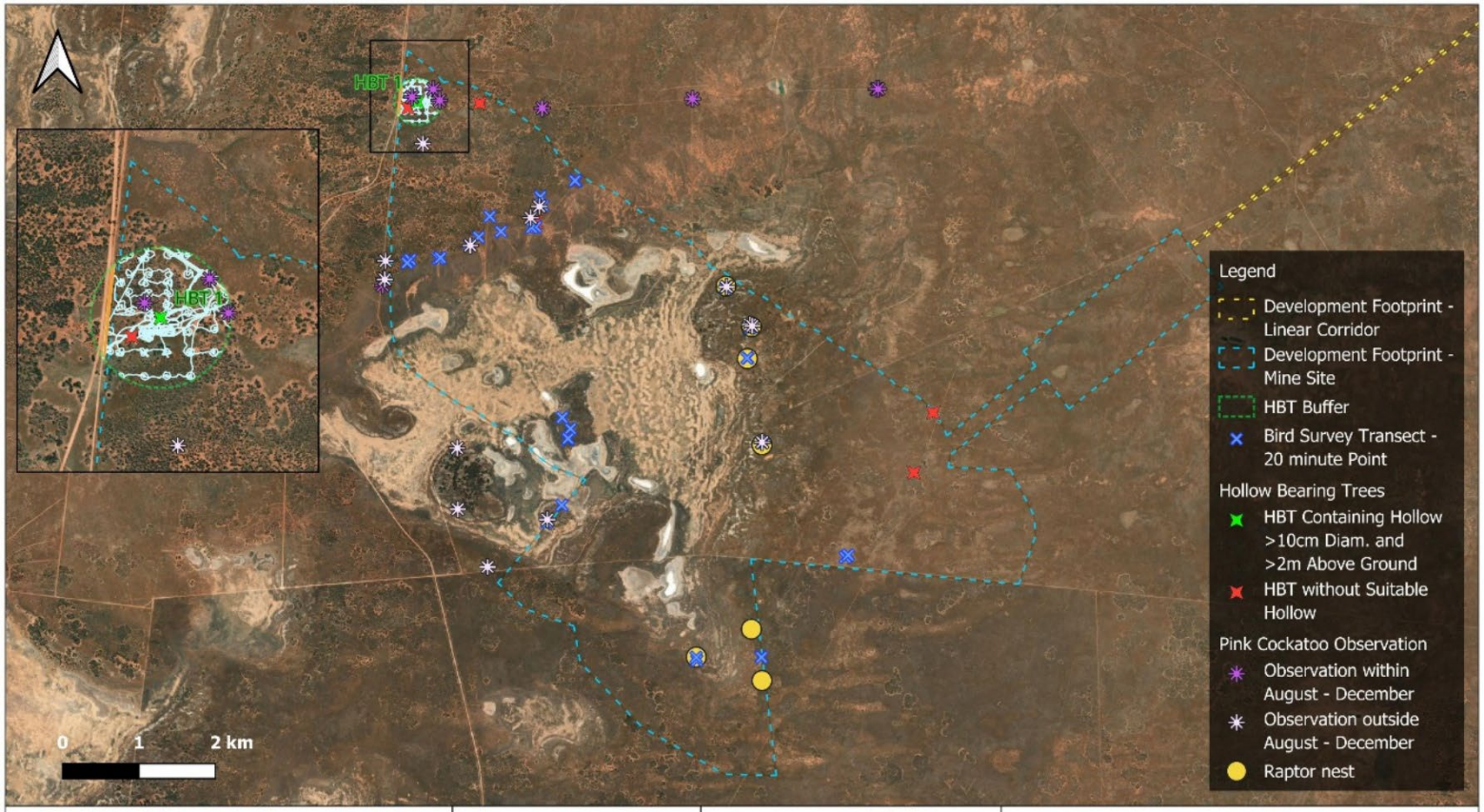
This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.

Project Manager: NC	Figure Name: SAII Impacts - All Species Polygons - Development Footporint - Mine site	Biodiversity AUSTRALIA	
Drawn by: NE	Location: Warwick Station		
Date: November 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:60000

Figure 70: Locations of Threatened flora species observed during Bio Aus threatened flora survey

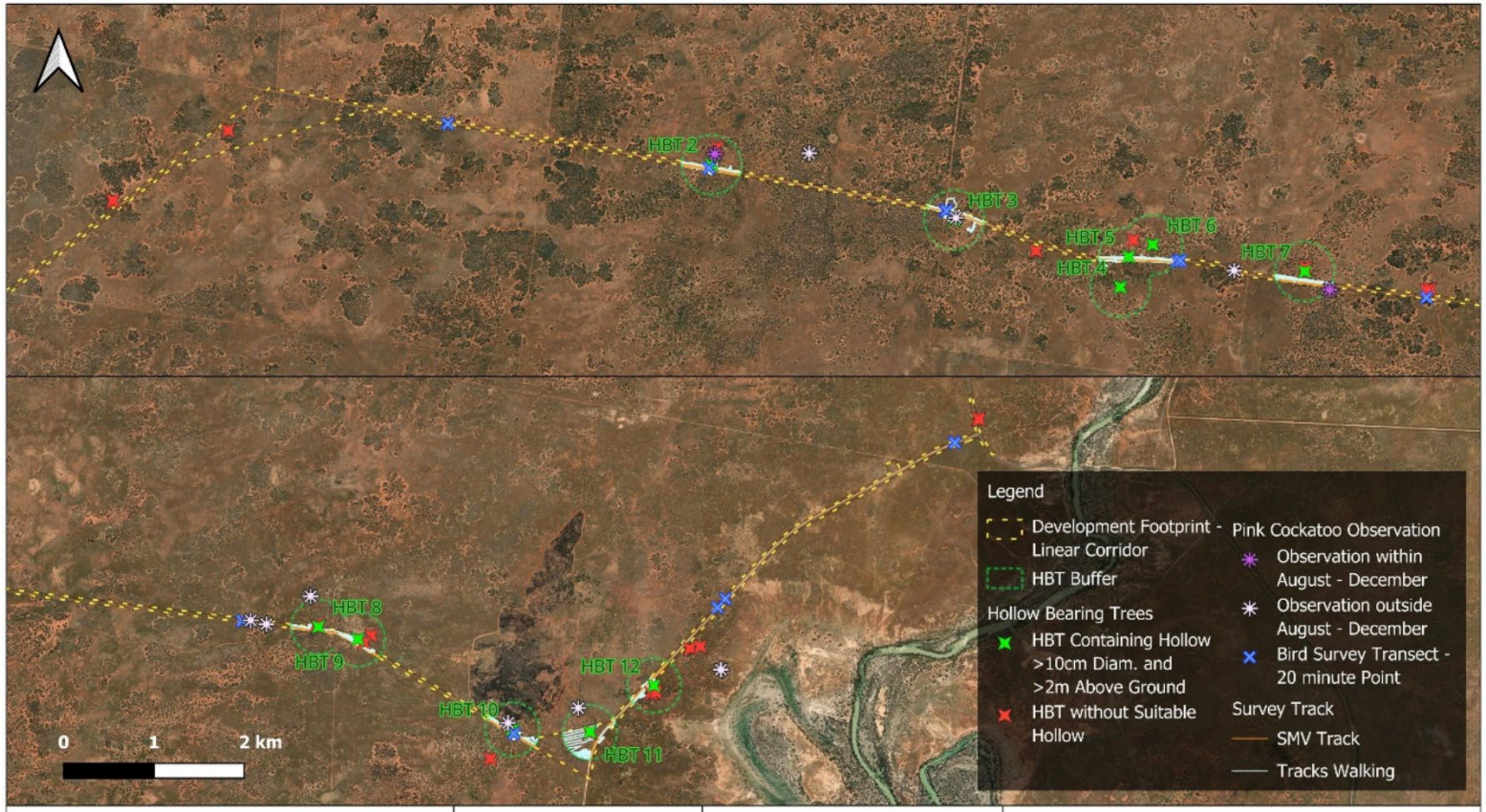


Photograph 18: Occurrences of *Austrostipa nullanulla* on an exposed gypsum rise



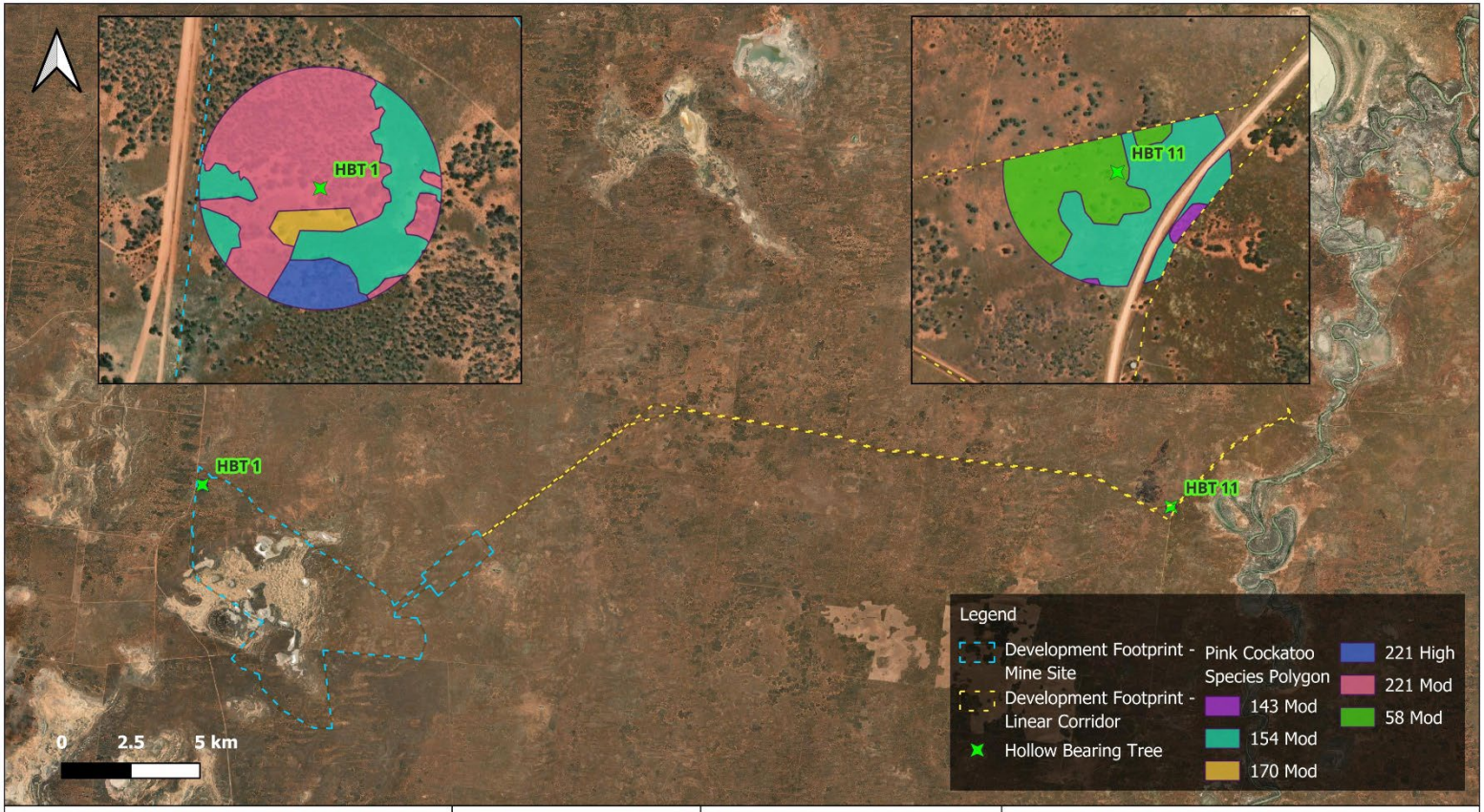
This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Pink Cockatoo Survey Effort - Mine Site	Biodiversity AUSTRALIA	
	Drawn by: NE	Location: Warwick Station		
	Date: February 2026	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54 Scale: 1:65000

Figure 71: Survey Effort for Pink Cockatoo within the Development Footprint Mine Site area (1 x HBT)



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Pink Cockatoo Survey Effort - Linear Corridor	Biodiversity AUSTRALIA	
	Drawn by: NE	Location: Warwick Station		
	Date: February 2026	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference:
				Scale: 1:50000

Figure 72: Survey Effort for Pink Cockatoo within the Development Footprint Linear Corridor area (11 x HBTs)

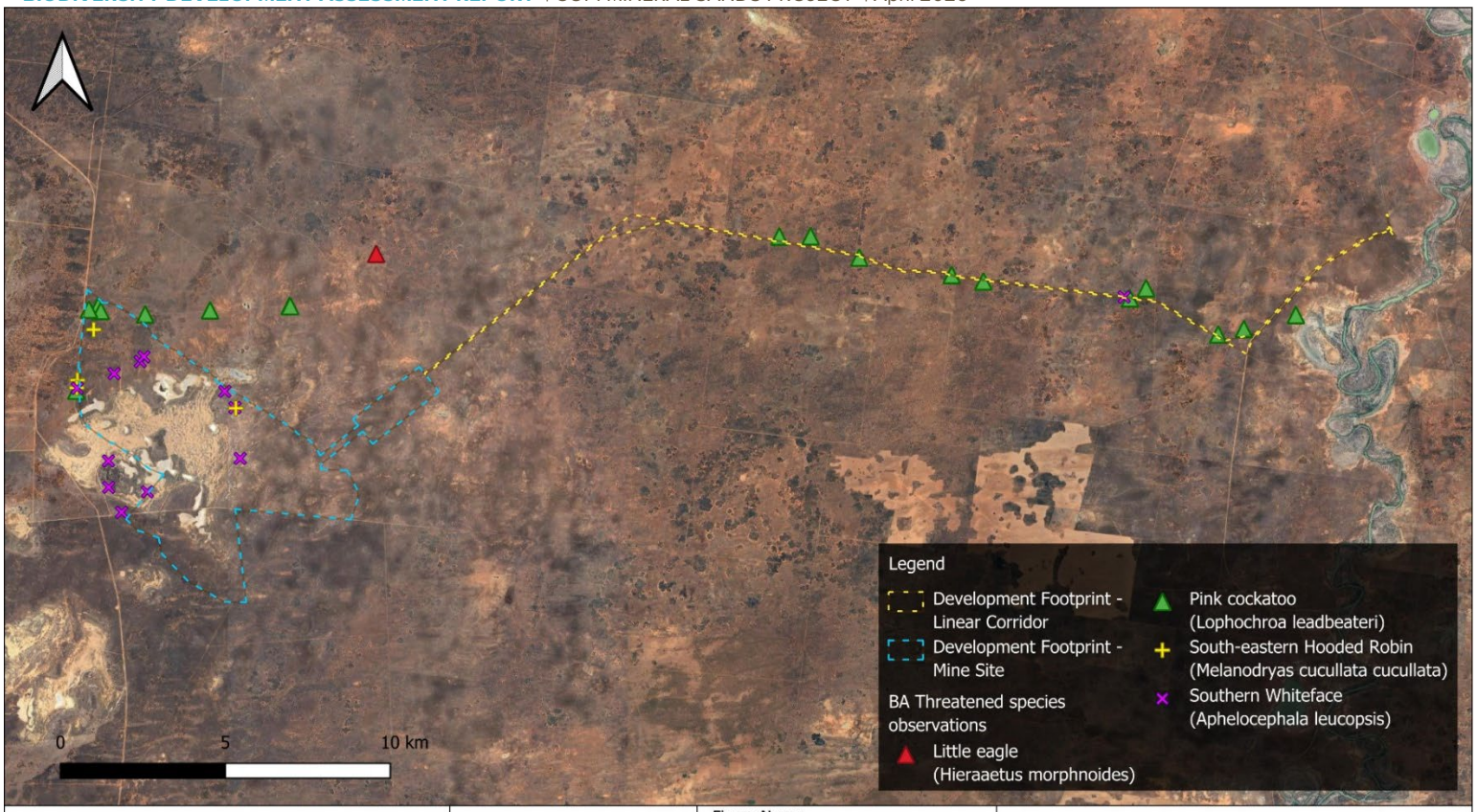


This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Pink Cockatoo assumed presence Species polygons buffering HBTs	Biodiversity AUSTRALIA	
	Drawn by: NE	Location: Warwick Station		
	Date: March 2026	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
				Scale: 1:180000

Figure 73: Pink Cockatoo Assumed Presence Species polygons buffering Hollow bearing trees with 200 m radius (TBDC 2026)



Photograph 19: Group of Pink Cockatoos observed approximately 3.6 km outside the Development Footprint



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Threatened Fauna Species Observations - Biodiversity Australia - Development Footprint	Biodiversity AUSTRALIA	
	Drawn by: NE	Location: Warwick Station		
	Date: November 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
				Scale: 1:150000

Figure 74: All Threatened fauna species observed during Bio Aus threatened fauna surveys

STAGE 2 - IMPACT ASSESSMENT

5. Avoidance and Minimisation

Consistent with the mitigation hierarchy established under the NSW *Biodiversity Conservation Act 2016*, The Project has been designed to prioritise the avoidance of biodiversity impacts wherever practicable. Where impacts cannot be fully avoided, measures have been incorporated to minimise disturbance. Offsets will only be considered as a last resort.

5.1 Impact Avoidance

The Project has progressed through the design phases for the past 7 years with numerous biological, environmental and engineering stakeholders contributing to the final design presented within this BDAR. As demonstrated within the Stage 1 BDAR, the proponent and numerous BAM Accredited Assessors have applied significant effort to fully understand the Biodiversity Values of the Subject Land and Assessment Area through a series of fully compliant BAM 2020 surveys. Where no survey guideline existed for a particular species, advice on survey effort and methodology were sought from the BCS, both in person during the preliminary onsite meeting and subsequently via email requests to the BOS Helpdesk. Due to the extensive survey effort, the Biodiversity Values of the Development Footprint are very well understood. Additional information about the Project was also obtained by Biodiversity Australia through the review and consultation process. This has included a vast array of documents, reports, and online material, such as the BAM 2020, Copi EIS, and geotechnical reports, as well as through a series of meetings with relevant stakeholders including R.W. Corkery & Co Pty. Ltd., RZ Resources Limited (The Client), and the Department of Climate Change, Energy, the Environment and Water (DCCEEW). This information has been utilised to:

- Identify Biodiversity Values,
- Take all reasonable measures to Avoid the impacts of The Project's actions on those Biodiversity Values,
- Take all reasonable measures to Minimise the impact of the Project on Biodiversity Values when they could not be fully avoided,
- Provide comprehensive management plans to mitigate the severity of residual impacts whether they be prescribed impacts or otherwise, &
- Apply the BOS to offset any and all residual impacts.

Section 7.1.1, part 2 of the BAM 2020 states '*selecting a final proposal location may be an iterative process. Decisions may need to be revisited after all field surveys have been completed.'* Mineral sand mining, by nature, does not lend itself to having significant opportunities for footprint design modification. Effectively, the areas which contain the desired minerals must be subjected to direct, open cut mining in order to retrieve and process those minerals. Thus, in these areas, there are very limited opportunities to avoid the process of clearing Native Vegetation.

Whilst the size and location of the Development Footprint – Mine Site is dictated by the underlying ore resource; the overall Development Footprint of the Project has undergone multiple design iterations during the 7-year planning phase of the project. There have been 4 major versions of the Development Footprint design, with multiple iterations of each version. The layout of version 1.0 and version 2.0, which culminated in preparation of EIS in 2020 and 2022, were not designed to address biodiversity-related constraints. However, the design iterations between Versions 3.0 and 3.1 were designed to minimise impacts to biodiversity where practicable. An internal review by both R.W. Corkery & Co. and RZ Resources determined that the biodiversity impacts of the version 3.0 buffer zone being approximately 900 m from the limit of the Extraction Area were not reasonable, and the engineering team were instructed to reduce the buffer substantially. In early 2024, version 3.1 was adopted incorporating a

significantly reduced Limit of Disturbance buffer zone, a reduction of approximately 600 m. In late 2024 this Development Footprint design stage was amended to remove Huntingfield and Sunshine Stations from the Project (design version 4.0) for reasons unrelated to biodiversity.

The impacts to biodiversity have been minimised through modifications to the location and extent of the Extraction area where practicable. For example, the version 3.0 design of the Extraction Area included a 900 m wide buffer zone (see Figure 75), while design version 3.1 has been reduced at its widest point to 300 m. The reduction in width of the buffer zone within Warwick and Nulla Stations from 900 m wide to 300 m wide resulted in the proposed disturbance area being reduced from 4,526 ha to 3,798 ha, a reduction of 728 ha. The area where the minimisation measure has reduced disturbance is illustrated in Figure 76.

Additionally, the Project has been designed in such a manner that the maximum volume of material would be placed in-pit and within areas of disturbance for temporary storage and overburden. These actions have resulted in the minimisation of the requirement to disturb additional land for these activities. Similarly, the Infrastructure Area has been designed in a manner that would result in disturbance of the minimum area of land required for the safe operation of the Project. This would concentrate Project-related activities in one area and prevent unnecessary disturbance of other areas within the Mine Site.

The Development Footprint – Linear Corridor has also undergone several iterations to reduce direct impacts on biodiversity (Figure 77). The Development Footprint – Linear Corridor, including haul roads, overburden pits, stockpiles etc., allow for greater flexibility and design changes for avoidance and/or minimisation of impacts as the location of these features are not entirely restricted by the location of the underlying ore resource.

The Development Footprint - Linear Corridor has undergone several design iterations as shown in Figure 75. The original concept design of the linear corridor included a 120 m wide corridor (444.42 ha), which was reduced through multiple iterations finally to the current 42 m wide corridor (218.43 ha)(Figure 75, Figure 76, Figure 77 and Figure 78). The current Linear Corridor design (42 m width) resulted in a reduction of the impact area by approximately 50%, and avoidance of 226 ha of native vegetation within the Subject Land. Impacts to biodiversity have been further reduced by strategically locating Project infrastructure in areas deemed to be the lowest ecological value. The proposed Development Footprint – Linear Corridor has been aligned to utilise existing roads, infrastructure and historically disturbed or cleared areas (where practicable) to provide the most viable and direct route whilst minimising impacts to Native Vegetation communities, Threatened Ecological Communities, associated fauna habitat, and habitat connectivity. The utilisation of the existing access tracks/roads (29.06 ha) has reduced the impacts of Native Vegetation within the Development Footprint - Linear corridor from 218.42 ha to 190.16 ha.

In addition to reducing the proportion of native vegetation within the current Development Footprint – Linear Corridor by utilising existing roads, infrastructure and infrastructure and historically disturbed or cleared areas, the proposed future impacts have been further reduced by utilising areas that previously held exemptions relating to approved clearing under the *Rural Fires Boundary Clearing Code* and *Clearing for Rural infrastructure and* were therefore at a high risk of disturbance. Spatial Analysis of the Subject Land identified the presence of multiple cadastral property boundaries and instances of rural infrastructure (i.e. access roads/tracks and fence lines) spread throughout the majority of the Subject Land. Under the previous land use of the Subject Land, several areas of Native Vegetation were identified to be of '*high risk to loss'* through potential future clearing in accordance with the *Rural Boundary Clearing* under the *Rural Fires Boundary Clearing Code* and *Clearing for Rural infrastructure* under the Part 3 Schedule 5A of the *Local Land Services Act 2013* (Figure 77). Under the *Rural Fires Boundary Clearing Code,* a landholder is permitted to clear Native Vegetation to a maximum of 25 m from the cadastral property boundary for the purpose of bush fire hazard mitigation. Therefore, a 25 m internal buffer has been imposed upon all cadastral property boundaries, resulting in the identification of 25.16 ha of area

identified to be of '*high risk to loss'* within the current Development Footprint - Linear Corridor. Additionally, the *Local Land Services Act 2013*, *Schedule 5A Part 3 - Clearing of native vegetation for rural infrastructure* states that within the Western Division (which includes the Project), a 40 m maximum authorised distance of clearing for rural infrastructure is permitted, except for small holdings and for temporary fences. As such, a corridor of 40 m (20 m either side of the midline) has been applied for linear structures, such as access roads/tracks and fence lines. This has been applied to reduce the impacts associated within linear infrastructure, resulting in the identification of 67.71 ha of area identified to be of '*high risk to loss'* within the current Development Footprint - Linear Corridor. Spatial analysis illustrated that the areas identified to be of '*high risk to loss,'* overlapped in some areas within the Subject Land resulting in the identification of 69.63 ha (32%) within the current Development Footprint - Linear Corridor of area identified to be of '*high risk to loss'* (Figure 77).

It is noted that the Huntingfield/Sunshine areas, adjacent to the northwest boundary of the current Development Footprint – Mine Site (which was included in the original Mine Site design as shown in Figure 75) was removed from the current layout. However, it is not an avoidance measure as RZ Resources may apply to mine this land in the future. The area was excluded due to an inability to access these properties, which meant biodiversity impacts could not be fully determined. In contrast, the proposed footprint has been thoroughly surveyed in accordance with the BAM.

One further and major consideration for the minimisation of impacts to the Subject Land relates to changes to current land use and land management. The Subject Land has historically been used for pastoral activities, namely livestock grazing. Heavy grazing by goats and sheep has degraded much of the vegetation within the Subject Land, such that the majority was assessed by Biodiversity Australia as being of high to moderate condition. The Proposed Development will lead to the cessation of grazing activities, due to both the removal of livestock and the control of feral pastoral animals. This will improve the overall ecological health of the Subject Land. By reducing grazing pressures and allowing Native Vegetation to regenerate, habitat quality will gradually increase, supporting a greater abundance and diversity of native flora and fauna. This change in land management is expected to enhance and contribute to the long-term sustainability of biodiversity across the Subject Land. The final land use will largely be a native ecosystem, with investigation into the viability of alternative, sustainable post-mining land uses such as renewable energy generation.

Table 52: Design Iterations of the Current Development Footprint – Mine site

Mine Site	Version 3.1	Version 4.1 (Current)
Area	4,526 ha	3,798 ha*
Proportion of Original Footprint	100%	84%

**Excluding future areas of proposed development*

Table 53: Design Iterations of the Development Footprint - Linear Corridor

Linear Corridor	Original Footprint	1st Iteration	2nd Iteration	Current Footprint
Width	120 m	90 m	60 m	42 m
Area	444.42 ha	352.62 ha	259.62 ha	218.42 ha
Proportion of Original Footprint	100%	79%	58%	49%

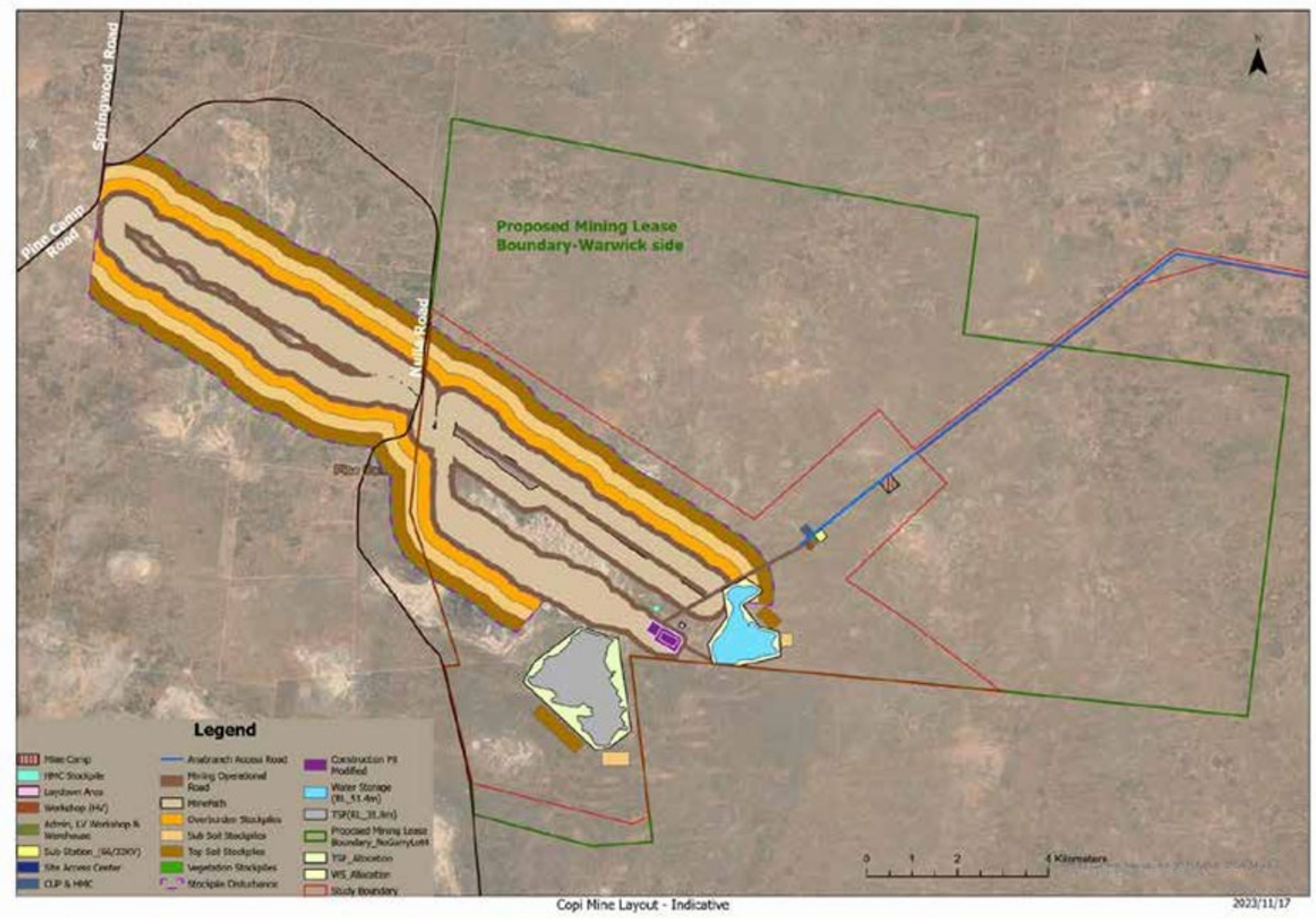
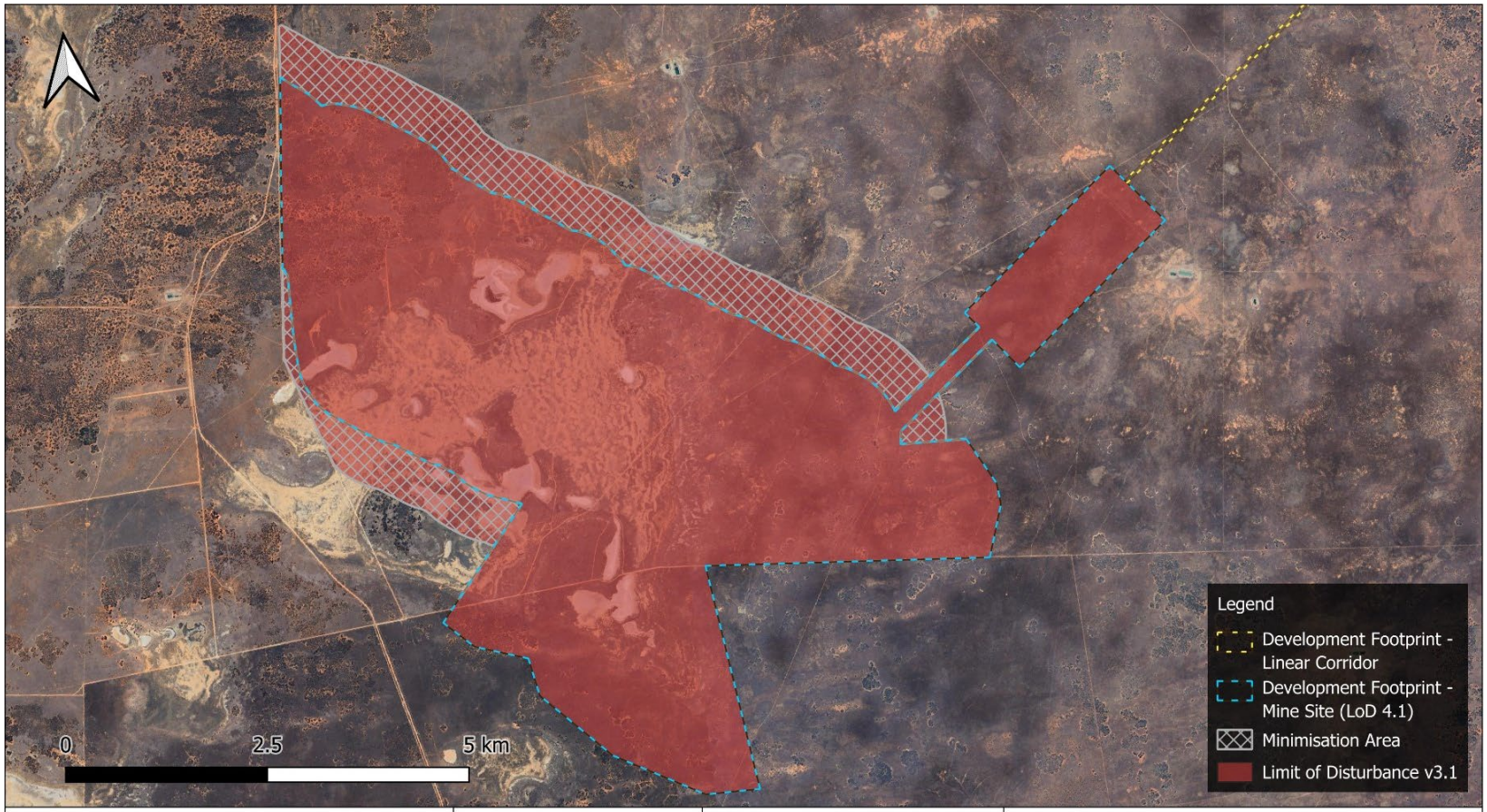
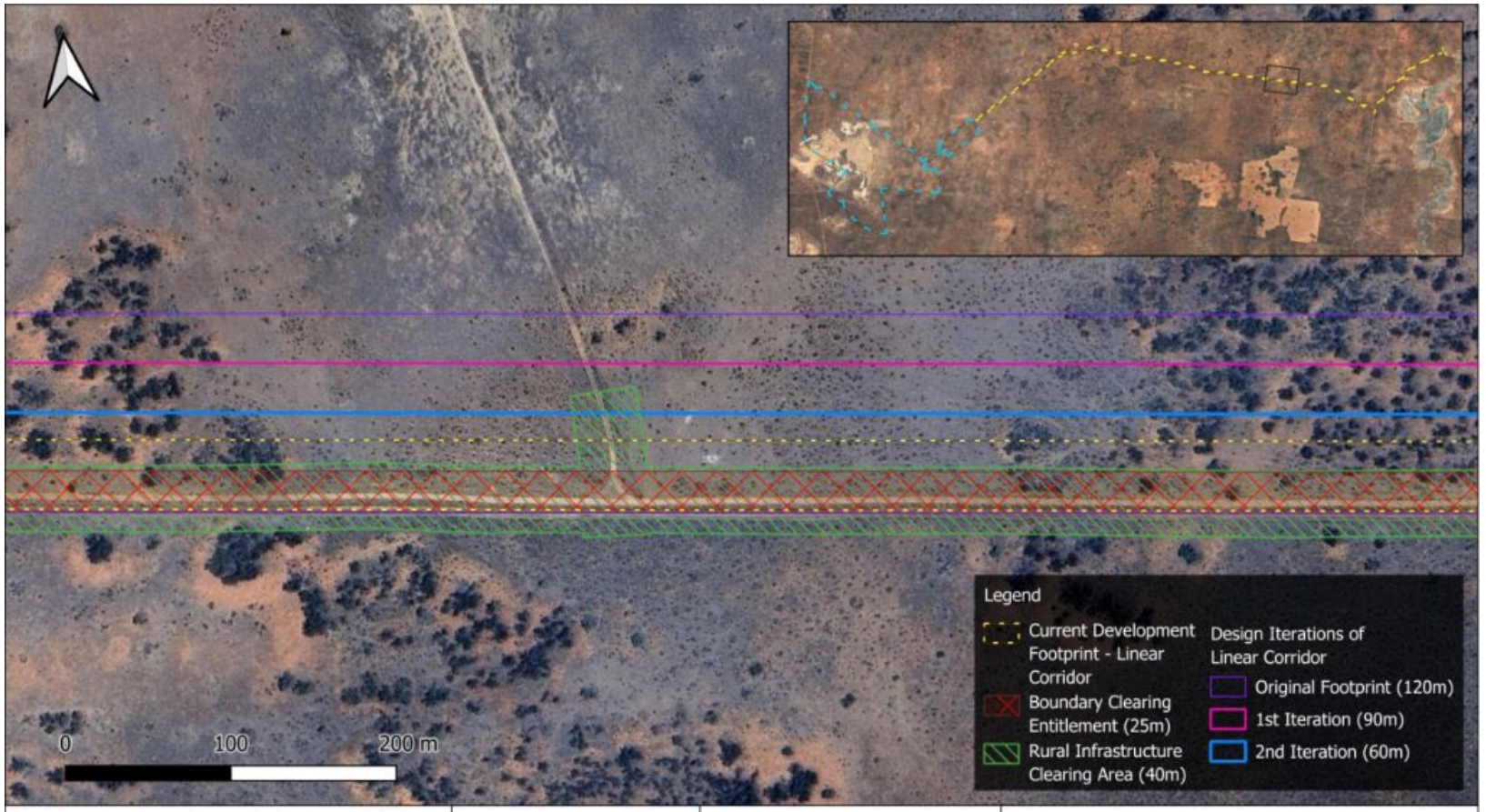


Figure 75: An earlier design (Version 3.0 - November 2023) showing the buffer width to extraction area at 900 m wide (EnviroKey 2024)



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	Drawn by: NE	Location: Warwick Station		
	Date: August 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
				Scale: 1:61702

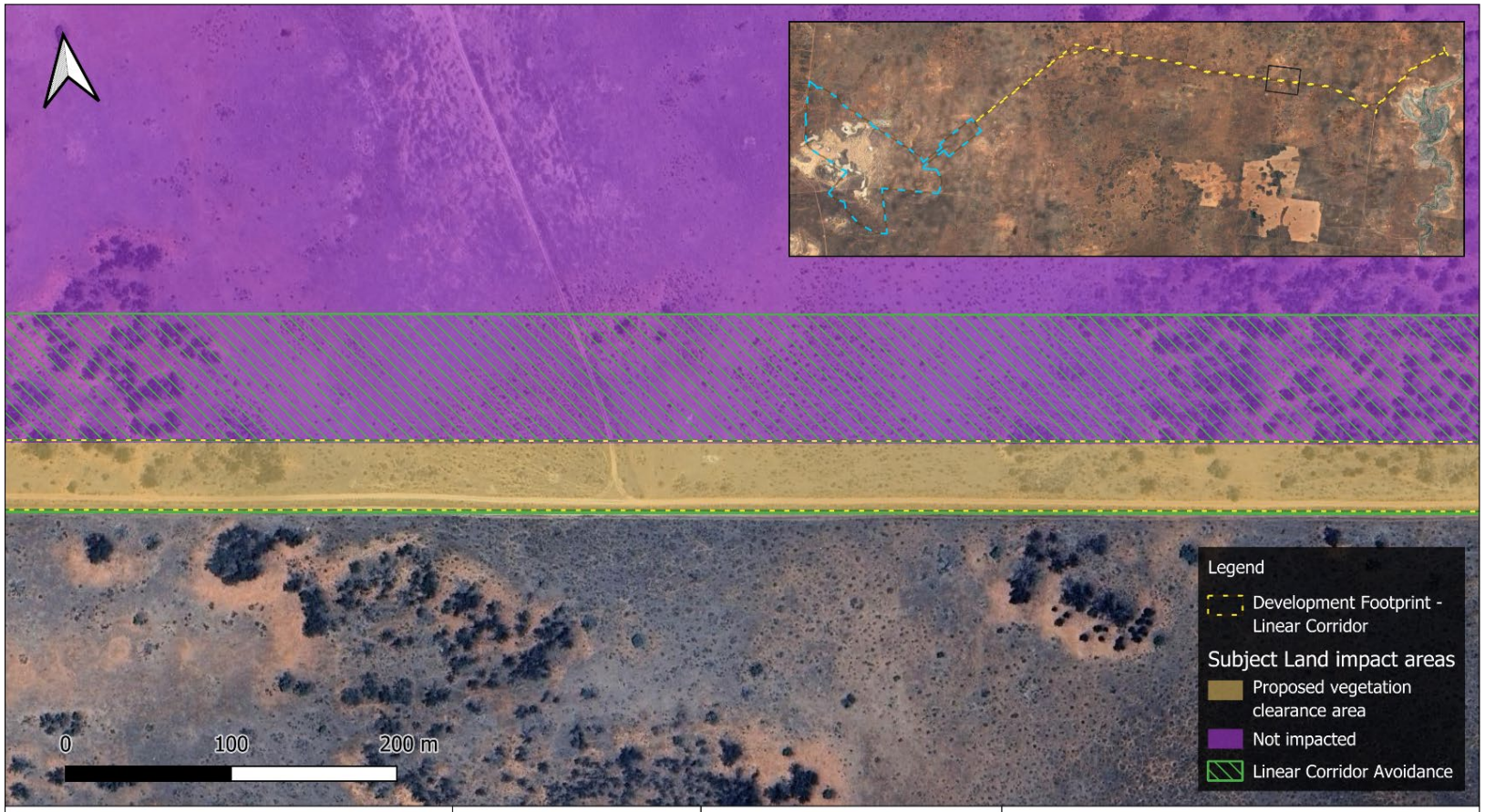
Figure 76: Development Footprint – Mine Site minimisation measures



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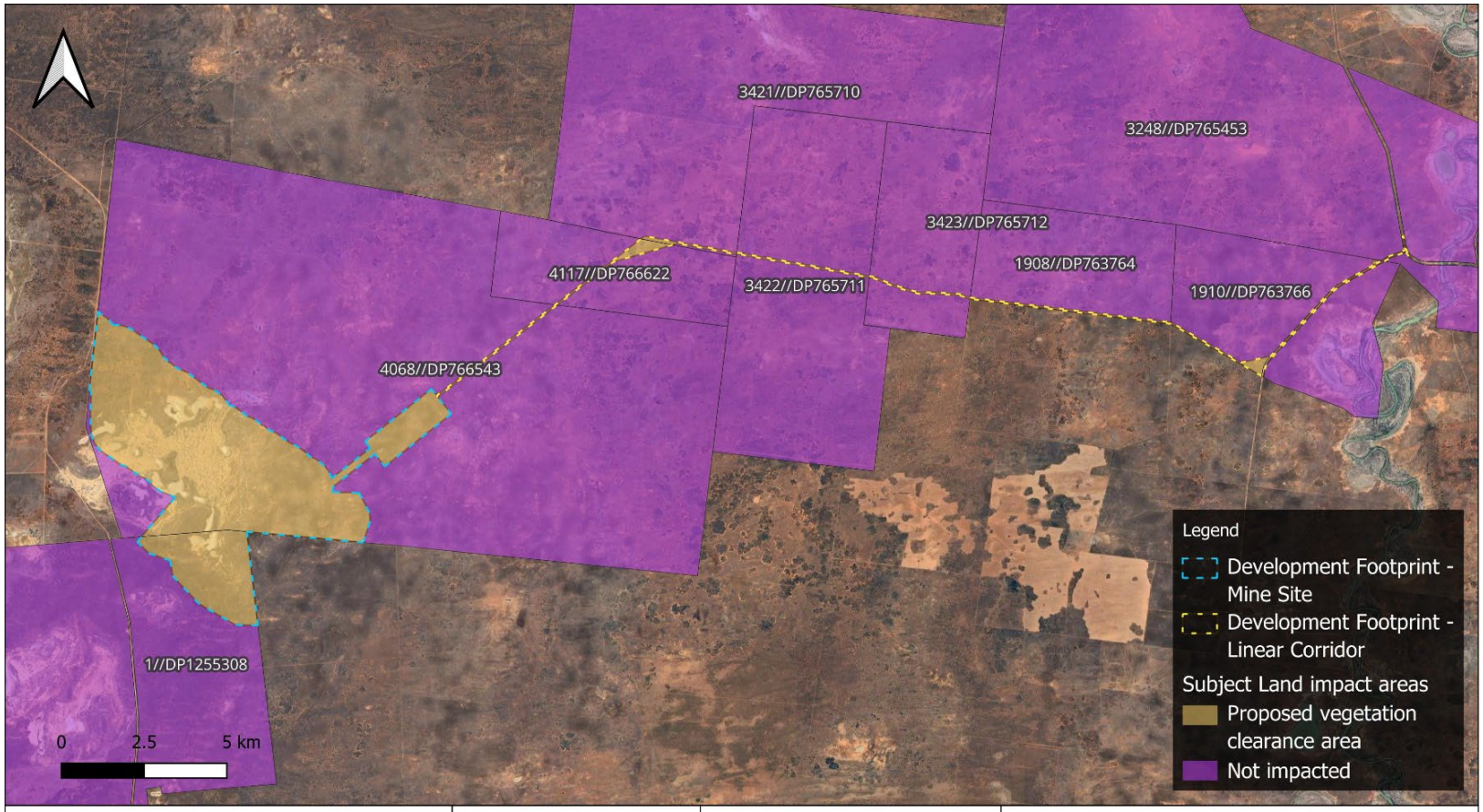
Project Manager: NC	Figure Name: Linear Corridor Minimisation Measures	Biodiversity AUSTRALIA	
Drawn by: NE	Location: Warwick Station		
Date: August 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:3000

Figure 77: Linear Corridor Design Iterations, Rural Boundary Clearing and Rural Infrastructure Clearing



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Linear Corridor Avoidance Measures	Biodiversity AUSTRALIA	
	Drawn by: NE	Location: Warwick Station		
	Date: August 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54 Scale: 1:3000

Figure 78: Linear Corridor Avoidance



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.

Project Manager: NC	Figure Name: Final impacts likely to occur on Subject Land - Development Footprint	Biodiversity AUSTRALIA	
Drawn by: NE	Location: Warwick Station		
Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:150000

Figure 79: Final impacts likely to occur on the Subject Land - Development Footprint

5.2 Direct Impacts

The greatest risk of potential impacts on threatened species and biodiversity values from The Project will occur during the construction and operational phases. Construction activities will span 17 years to support the installation of the standard operational mining infrastructures (Development Footprint – Mine Site) and the 46 km Haul Corridor Road (Development Footprint – Linear Corridor). These activities will be undertaken concurrently with mining operations and involve ground disturbance, vegetation clearing, earthworks and stockpiles, and construction of hydrological and drainage features (e.g. culverts and establishment of temporary construction compounds and laydown areas). The direct impacts associated with these phases are described below.

5.2.1 Vegetation Clearing and Habitat Removal

The Project will result in the removal of 3,883.08 hectares (3,692.92 ha from the Development Footprint - Mine Site and 190.16 ha from the Development Footprint - Linear Corridor) of Native Vegetation. An additional 28.11 ha of roads, tracks and other cleared land within the Development Footprint - Linear Corridor, and 108.30 ha from the Development Footprint - Mine Site, will be cleared due to the proposed works, resulting in a total of 4019.49 ha of land cleared (Figure 79). The Project will also result in the removal of a 3.84 ha scattered patch of *A. nullanulla* from the central section of the Development Footprint – Mine Site. The loss of Native Vegetation will be offset through the BOS as outlined in this BDAR. No BC Act listed EEC will be subject to clearing. No further vegetation loss will be required through the operational phase of The Project.

The vegetation to be affected provides forage, refuge, and nesting habitat for a variety of fauna species, including birds and reptiles. At least nine of the Hollow Bearing Trees identified within the Development Footprint as having potential to provide nesting/denning habitat for hollow-obligate fauna species will be removed from within the Development Footprint – Mine Site and four from the Development Footprint – Linear Corridor. Those within the Development Footprint – Mine Site possess at least eight hollows, of which only one was greater than 10 cm in diameter and >2 m above the ground (suitable breeding habitat for the Pink Cockatoo). Of the 11 HBTs along the haul road with hollows >10 cm and >2 m above the ground, only one is located within the Development footprint. In total there are ten HBTs with suitable breeding hollows for the Pink Cockatoos located outside the Development Footprint.

Given the suitable nest hollows and number of Pink Cockatoos observed within and adjacent to the development footprint, it is important the clearing of potential breeding habitat for this species is completed in a specific way, including:

- Clearing of hollow-bearing trees should occur outside the Pink Cockatoo breeding season (breeding season is August to November, plus two-weeks either side to allow for environmental conditions), and
- Stag watching of specific hollow-bearing trees for two days prior to clearing to ensure no active breeding nests will be disturbed.

5.3 Indirect Impacts

Indirect impacts resulting from The Project activities may include habitat modification from subsidence and may include localised dieback of Native Vegetation that provided habitat connectivity, particularly along the Linear Corridor. For example, increasing dust suspension, noise and light, especially during

construction works, may impact on breeding, foraging and dispersal behaviours of native species. The following potential indirect impacts may be associated with The Project.

5.3.1 Fragmentation

Habitat fragmentation leads to an overall loss of habitat, reduced patch size and increased habitat isolation (Fahrig, 2003). The size and isolation of a fragment strongly influence ecological processes within each area, particularly population size, community composition, and genetic stability (Jellinek *et al.* 2004). As fragmentation and isolation increase, the threat of species extinction rises locally and regionally (Jellinek *et al.* 2004).

Removing Native Vegetation for The Project will contribute to local habitat loss and fragmentation. This fragmentation can impact fauna dispersal, modify gene flow, and alter the microclimate by reducing habitat accessibility and increasing edge effects (Battisti 2003; Offerman *et al.* 1995; Saunders *et al.* 2012). Fragmentation and associated landscape changes are major factors in biodiversity decline, ecosystem modification, and altered ecosystem processes. The effects vary based on fragment distance from similar habitats, landscape position, the form of habitat modification (e.g. edge effects), surrounding land uses, species ecology, and how these factors influence the movement of organisms between fragments and larger areas of habitat (Lindenmayer and Fisher 2006, DCCEEW 2025b).

Presently, the Subject Land is partially fragmented by a legacy network of vehicle tracks and fence lines, which create residual barriers to the movement and dispersal of larger fauna, such as macropods. To avoid exacerbating these impacts, the existing tracks have been incorporated into the design of the Development Footprint, minimising the need for new tracks, and efforts have been made to limit increases to track widths. Other fauna groups, including birds, reptiles and small mammals, are less likely to be affected by this fragmentation, as they face fewer barriers to dispersal (e.g. birds can fly between patches, and smaller species typically have limited home ranges and can pass through fences).

The forested areas in the north-western section of the Development Footprint, which provide the greatest biodiversity value, occur on the fringe of a much larger, contiguous forested section beyond the Development Footprint (Figure 79). The PCTs comprising the forest are associated with a variety of volant (e.g. Corben's Long-eared Bat and Pink Cockatoo) and non-volant (e.g. Kultarr and Jewelled Gecko) threatened species. Although the smaller section on the fringe of the forest will be subject to vegetation removal, the larger, contiguous section will remain undisturbed and functional as a connectivity corridor during and after the clearing and construction phases, helping to minimise the impacts of the loss of the smaller section. Volant species inhabiting the section earmarked for removal can readily relocate into the adjacent forest, while non-volant species will have access to connected habitat, allowing gradual dispersal as clearing progresses. Similarly, the remaining areas of vegetation within the Development Footprint, while providing habitat for fewer species, are widespread and connected across the broader landscape (Figure 79), further supporting dispersal opportunities and limiting the impacts of fragmentation. All non-volant ecosystem credit species associated with the PCTs present in the Development Footprint are of such a size that barriers like boundary fencing are unlikely to impede their movements.

5.3.2 Erosion and Sedimentation

Sedimentation and erosion impacts can occur during both the construction and operation phases of The Project. Erosion/sedimentation may occur via erosion of fill material and disturbed soils, scouring of exposed soil, earthen banks and habitats adjacent to the Development Footprint via directed flow (surface water runoff) or where runoff is concentrated.

Erosion can remove the most productive part of the soil profile, the topsoil, resulting in a greatly reduced opportunity for natural regeneration of vegetation communities, unless stockpile. Topsoil resources can be protected by removing topsoil altogether from areas of high disturbance and setting the topsoil aside, in appropriate storage for reuse in rehabilitation programs. Where topsoil is left in situ in disturbed areas, erosion and sediment control measures are required to minimise loss of topsoil. These mitigation measures are summarised in Table 60, and will be discussed in more detail in the Soil Erosion and Sediment Control Plan.

Sedimentation and erosion are likely to occur as part of dredge mining operations. However, these impacts must be contained within the dredge ponds, which will not be connected to other waterways. The post-mining rehabilitation period will ensure any areas subjected to erosion and sedimentation throughout the operation of the mine will be rehabilitated to minimise any deleterious impacts to nearby catchments. Nevertheless, comprehensive erosion and sediment plans must be prepared prior to construction and implemented prior to any earthworks.

Standard mechanisms and controls will be required to ensure the prevention of erosion and sedimentation during construction and post-development, and such impacts do not extend beyond the Development Footprint. The development of a Soil Erosion and Sediment Control Plan (SESCP) developed by a Certified Practitioner in Erosion and Sediment Control (CPESC) is recommended. This SESCP must address all statutory environmental factors.

5.3.3 Injury/mortality during clearing

Conflict between site traffic and fauna is likely to occur within the Development Footprint (Linear Corridor and Mine Site). The optimal time for construction and maintenance activities is during daylight hours, as animals within hollows and fallen logs, within dense vegetation and leaf litter, are at risk of being injured or killed during clearing operations in poor light. Fauna may be placed under stress, injured or killed during tree felling via:

- Being nocturnal or in torpor, and unable to escape prior to the tree falling,
- Collapse of the hollow when it impacts the ground,
- Collision with internal walls or via being thrown out when the tree falls, &
- Being present as young e.g. eggs.

This risk increases during breeding seasons (generally spring to late autumn) and in cooler seasons when mammals and reptiles enter torpor.

The Development Footprint contains Hollow Bearing Trees, fallen timber habitat and areas of dense shrub cover, therefore providing a risk of fauna mortality during clearing. The presence of a suitably qualified or experienced person per machine during all clearing activities will mitigate the risk of injury to fauna. Further detail of the mitigation measures proposed to reduce injury or mortality during clearing is provided in Section 5.5.5.

The Project has the potential to cause injury or mortality to threatened fauna as well as other native fauna. Fauna may be injured or killed as a result of the Proposed Development through:

- Strike from moving vehicles/machinery performing construction and operational duties on the Mine Site– key concern for ground-dwelling species, particularly those with low mobility.
- Collision from medium to high-speed vehicles travelling along the Linear Corridor – key concern for some birds and ground dwelling fauna,

- Entrapment during habitat removal – key concern during tree falling for species that use HBT, or hollow logs for roosting and denning, and
- Entrapment in trenches/holes – key concern for ground dwelling species (reptiles and small mammals), particularly those that are active at night and cannot avoid trenches.

The Traffic Management Plan will inform the requirements for temporary fencing to minimise the risk of fauna injury/mortality due to vehicle strike or entrapment during excavations. The Traffic Management Plan will be implemented during the construction and operation phases of The Project to assist in controlling the risks of species collision.

5.3.4 Edge effects

Changes to the edges of vegetation communities has been attributed to a range of detrimental effects on different ecosystems. These changes have been linked to effects such as the alteration of environmental conditions, changes in species abundance and distributions and changes in species interactions (Murcia 1995). However, the likelihood of such changes corresponds to the disparity between the environments of path edges and interiors, and not all habitats are subjected to the same degree of impact (Kremsater & Bunnell, 1999). For instance, in open arid landscapes, the transition between edge and interior environments is more gradual, leading to less pronounced edge effects compared to densely forested areas.

The Project's infrastructure will lead to creation of habitat patches which may be subjected to edge effects. To a lesser extent, the construction of other infrastructure and facilities will create edges adjacent to remnant vegetation patches. The edge effects can include:

- Increased risk of weed incursion from disturbed areas.
- increased exposure of fauna to predation due to increased visibility.
- microclimatic changes associated with increased sunlight.
- increased weed proliferation.

Weeds are already prevalent within the Subject Land. However, there is a risk that disturbance to Native Vegetation, changes to microhabitat and mobilisation of earthmoving equipment/materials may introduce or exacerbate weeds within the Development Footprint.

Ground dwelling fauna are most at risk from increased predation around the edges of Native Vegetation (remnant habitat) as fauna are more visible and accessible.

The Subject Land occurs within a remote, harsh arid landscape dominated by open habitats and is not susceptible to substantial edge effects, however, most vegetation within the Development Footprint has previously been degraded due to long-term grazing. Given these conditions, and the minimisation measures outlined in Section 5.3.1 (Fragmentation), edge effects following the Proposed Development are not expected to significantly worsen or become pronounced through delineation and disturbance. Notwithstanding, the network of vehicle tracks around and through the Subject Land provides vectors for weed invasion and the dumping of rubbish, though the low frequency at which these tracks are used limits disturbance risks. Additionally, these risks are not expected to heighten significantly during the construction and operational phases of the development due to planned inductions, signage and the provision of onsite waste disposal facilities. See also Sections 5.3.1 (Fragmentation), 5.3.7 (Noise, vibration and anthropogenic disturbance) and 5.3.8 (Light spill).

5.3.5 Weed Invasion

Potential impacts from invasive plant species can be devastating if no management is undertaken to prevent, control, minimise and eradicate the spread of exotic plants. Weeds can have a substantial impact on native flora and fauna by altering the balance of natural ecosystems and outcompeting native flora when it comes to necessary sunlight, shade, nutrients and space (DCCEEW 2025d). This can result in long-term effects unless appropriate mitigation and management measures are implemented.

The Subject Land is currently subject to low moderate levels of weeds. A total of 260 plant species were observed during the Field Survey, of these 49 are exotic species (Table 54). However, weed species listed under the *Australia Weeds Strategy 2017-2027* or weeds of national significance were not observed during the Field Survey.

An increase in vehicle and foot traffic associated with the construction and operational phases of The Project may increase the spread of weeds in the Subject Land.

The Western Downs Regional Council Biosecurity Plan defines and outlines strategies, objectives and outcomes necessary for a planned and coordinated approach to weed management across the region. DPE (2020) provides hygiene protocols for weeds and includes keeping vehicles, machinery, and people dry surfaces, and removing all soil, plant material and other debris from clothing, footwear, tools and equipment (DPE 2020). The following standard recommendations will be taken into account during the pre-construction phase of The Project:

- Vehicles and equipment must be adequately cleaned and free of weeds, dirt and other materials that may contain weed seeds before being bought onto the site.
- Weeds must be actively managed during the clearing and construction phase, including those immediately adjacent that may spread into the subject site.
- The site must be routinely inspected for weeds during the construction phase.
- If any weed establishment is detected during inspections, appropriate control measures must be implemented to manage their spread and impact.
- Disturbance of vegetation and soils on the site must be limited to the areas of the proposed work and must not extend into adjacent vegetation.
- All plant used for clearing and construction works is certified as weed-free.
- Appropriate collection and disposal of all weed material removed via clearing.
- Any recent weed invasions within the development area must be removed.
- Ongoing weed control in the development area.

High risk vectors for weed spread such as roads and washdown bays must be regularly monitored for weed invasion, and control measures implemented where necessary to limit the potential for spread and minimise impacts from weeds. Additional mitigation measures are discussed in Section 5.5.5 (Mitigation measure summary). These include the development and implementation of the Biodiversity Management Plan, Construction Environmental Management Plan (CEMP) and associated sub-plans post construction as the Biosecurity Management Plan.

Table 54: List of weeds observed during the field survey

Family Name	Common Name	Scientific Name
Brassicaceae	Flax-leaf Alyssum	*Alyssum linifolium**
Asphodelaceae	Onion Weed	*Asphodelus fistulosus**
Poaceae	Bearded Oats	*Avena barbata**
Brassicaceae	Ward's Weed	*Carrichtera annua**
Asteraceae	Saffron Thistle	*Carthamus lanatus**
Poaceae	Buffel Grass	*Cenchrus ciliaris**
Asteraceae	Maltese Cockspur	*Centaurea melitensis**
Asteraceae	Skeleton Weed	*Chondrilla juncea**
Cucurbitaceae	Camel Melon	*Citrullus amarus**
Cucurbitaceae	Colocynth	*Citrullus colocynthis**
Convolvulaceae	Field Bindweed	*Convolvulus arvensis**
Asteraceae	Flaxleaf Fleabane	*Conyza bonariensis**
Asteraceae	Stinkwort	*Dittrichia graveolens**
Geraniaceae	Common Crowfoot	*Erodium cicutarium**
Euphorbiaceae	A Milkweed	*Euphorbia sp*.*
Boraginaceae	Smooth Heliotrope	*Heliotropium curassavicum**
Boraginaceae	Potato Weed	*Heliotropium europaeum**
Caryophyllaceae	Rupturewort	*Herniaria cinerea**
Poaceae	Barley Grass	*Hordeum leporinum**
Poaceae	Barley	*Hordeum vulgare**
Asteraceae	Smooth Catsear	*Hypochaeris glabra**
Asteraceae	Willow-leaved Lettuce	*Lactuca saligna**
Asteraceae	Prickly Lettuce	*Lactuca serriola**
Brassicaceae	Common Peppercress	*Lepidium africanum**
Plumbaginaceae	Winged Sea Lavender	*Limonium lobatum**
Malvaceae	Spiked Malvastrum	*Malvastrum americanum**
Fabaceae (Faboideae)	Cut-leaved Medic	*Medicago laciniata**
Fabaceae (Faboideae)	Woolly Burr Medic	*Medicago minima**
Fabaceae (Faboideae)	Burr Medic	*Medicago polymorpha**
Fabaceae (Faboideae)	Small-leaved Burr Medic	*Medicago praecox**
Fabaceae (Faboideae)	Barrel Medic	*Medicago truncatula**
Aizoaceae	Small Ice Plant	*Mesembryanthemum nodiflorum**
Asteraceae	Stemless Thistle	*Onopordum acaulon**
Poaceae	Grasses, reeds and bamboos	*Poaceae indeterminate**
Aizoaceae	Wiry Noon-flower	*Psilocaulon granulicaule**
Asteraceae	False Sowthistle	*Reichardia tingitana**

Family Name	Common Name	Scientific Name
Poaceae	Roughtail	*Rostraria pumila**
Lamiaceae	Mintweed	*Salvia reflexa**
Lamiaceae	Vervain	*Salvia verbenaca**
Poaceae	Arabian Grass	*Schismus barbatus**
Caryophyllaceae	-	*Silene spp*.*
Brassicaceae	Smooth Mustard	*Sisymbrium erysimoides**
Brassicaceae	London Rocket	*Sisymbrium irio**
Brassicaceae	Indian Hedge Mustard	*Sisymbrium orientale**
Asteraceae	Common Sowthistle	*Sonchus oleraceus**
Caryophyllaceae	Sandspurry	*Spergularia rubra**
Asteraceae	Dandelion	*Taraxacum officinale**
Zygophyllaceae	Cat-head	*Tribulus terrestris**
Asteraceae	Bathurst Burr	*Xanthium spinosum**

5.3.6 Feral Pest Fauna

The Project has the potential to attract feral fauna. Feral cats and red foxes are already known to occur on the Subject Land and are significant predators of native species (NPWS 2001; Dickman 1996; May and Norton 1996; DCCEEW 2025b). Other feral animals known to occur on the Subject Land include rabbits and goats. These species can negatively impact native fauna and flora through the spread of disease, competition for food and shelter, and the destruction of habitat (DCCEEW 2025c). The impacts of feral animals have been listed as key threatening processes under the BC Act 2016. A Biodiversity Management Plan (BMP) will be implemented during the pre-construction, construction, operation, and rehabilitation phases to assist in the integrated control of these species. This BMP will include lethal control and monitoring measures.

5.3.7 Noise, vibration and anthropogenic disturbances

The clearing and construction phase of The Project is likely to result in increased levels of noise and vibration within and immediately surrounding the Development Footprint. A report from Muller Acoustic Consulting Pty Ltd (MAC, 2025) predicts noise emissions to range from > 60 dB near noise sources (e.g. mining operations, processing plant) to 35 dB up to 1.5 km from sources (Assessment Area). These levels may not be limited to daylight hours as mining, processing and transport operations can occur 24 hours per day. Further, it is expected that noise and vibration levels will remain at a relatively constant level for the life of The Project.

The increase in noise and vibration could impact local fauna, particularly birds, through adverse changes to behaviour, population densities, community structure and breeding success (Barber *et al.* 2009). These responses can result from the frequent disturbance to daily activities by evoking anti-predatory responses and by blocking call signals between individuals (Barber *et al.* 2009).

Impacts on fauna and disturbance from noise during construction and operation will generally cause fauna to move away from noise sources as these may anticipated as a threat. The BMP must include mitigation strategies as part of vegetation clearing protocols, including sequential/stage clearing requirements, to minimise the impact on fauna. Where vibration levels are predicted to outpace the

screening criteria, a more detailed assessment of the structure and vibration monitoring must be undertaken to ensure vibration levels remain below standard limits for that structure.

While the exact tolerance thresholds of the various species present on site are unknown, a review of research on the effects of noise on wildlife reports that adverse responses by birds (e.g. decline in species diversity, call rates and call durations) begin at around 40 dB, while those of mammals (e.g. changes in proportion of time spent feeding), reptiles, and amphibians (e.g. reduction in chorus duration) begin above 60 dB (Shannon *et al.* 2016). Thus, it can be inferred that birds might avoid spending any considerable length of time within the immediate vicinity of noise sources within the Development Footprint and that they will likely be unaffected beyond 1.5 km of noise sources. Mammals, reptiles, and amphibians may only be disturbed near noise sources. Monitoring is recommended throughout the lifespan of The Project to ensure noise levels do not exceed those predicted and that no long-term adverse changes to species diversity and abundance occur, particularly for avifauna. A Biodiversity Management Plan (see Section 5.5.2) will be developed and will commence with flora and fauna monitoring to establish a baseline, which, along with the findings of this BDAR, will provide be used to monitor the influence of noise and other potential impacts on flora and fauna communities.

5.3.8 Light Spill

The introduction of additional artificial light has the potential to effect fauna within and adjacent to the Development Footprint. Studies have shown both an increase in orientation and disorientation as a result of additional illumination to an area. This can have the potential to alter normal foraging, communication and reproductive behaviours, as well as competition and predation dynamics within and among species (Longcore and Rich, 2004; Chepesiuk, 2009). For example, some species may experience heightened predation pressure due to the increased hunting success of predators that benefit from illumination, while others may refrain from foraging due to the decreased ability to detect natural light cycle changes (Fardell & Dickman, 2023).

Light spill is expected to occur from the Mine Site infrastructure area, extraction areas, and vehicles. Despite this, the buffer zones surrounding the extraction areas and positioning of the Development Footprint in an area of limited habitat value must ensure that light spill remains largely within the bounds of the Development Footprint and impacts on wildlife species will be minimal. Nevertheless, artificial lighting is recommended to be kept to a minimum and strategically placed so as not to disturb fauna in adjacent habitats. Measurements of light disturbance must be ongoing and incorporated into an adaptive environmental monitoring program, whereby intervention will occur if triggers are exceeded.

To ensure anthropogenic impacts are minimised, it is recommended that artificial lighting be kept to a minimum and be of a localised and low luminosity, with light directed to the ground and not onto retained trees/adjacent vegetation. Sufficient artificial lighting will likely be required for security reasons and in the event any evening works are required. Security lighting is preferred to be sensor-based to reduce energy consumption and contribute to Climate Change. The applicant will need to consider the requirements of the *Australian Standard 4282:2023* and the *National Light Pollution Guidelines for Wildlife.* The effects of light spill on wildlife will be monitored through the Biodiversity Management Plan.

5.3.9 Movement obstruction

Temporary and permanent fences will be installed around the Development Footprint to exclude people, vehicles, and animals for the construction and operational mine site.

Fencing will also be used to exclude feral animals (e.g. goats, sheep) during the rehabilitation period in strategically areas. Depending on the type of fencing to be installed within remnant areas, these fences may obstruct the movement of threatened fauna across the Development Footprint. Some obstruction is

already occurring on the Subject Land, particularly along sections of the Linear Corridor due to the presence of property boundary fences. Any obstruction related to the Proposed Development will be limited to the Mine Site Development Footprint.

Threatened fauna may also potentially be injured by collision with wire fences, particularly barbed wire. Kangaroos and emus were observed colliding established property boundary fences along the Proposed Linear Corridor, and others were observed deceased after having become stuck, highlighting the potential for impacts to wildlife. Mitigation measures to eliminate this risk have been outlined in Section 5.5.5 (Mitigation Measure Summary).

5.3.10 Increased dust levels

Dust impacts generated during the construction phase of The Project may negatively affect Native Vegetation. Deposition of airborne dust, sand and soil may have potential impacts on vegetation if excessive levels are sustained over extended periods. When dust settles on plant foliage, it can reduce the amount of light penetration on the leaf surface, block and damage stomata and slow gas exchange and water loss. A diminished ability to photosynthesise may result in reduced growth rates of vegetation, flora vigour, and overall community health (Thompson *et al.* 1984).

Localised dust effects are likely to arise during the following activities:

- Vegetation clearing, earthworks associated with the construction of surface facilities such as the construction villages and access roads and vehicle movements. Dust from these activities will occur over a relatively short duration, typically several months where dust plumes may affect Native Vegetation adjacent to these areas.
- The access and internal roads proposed for The Project will be unsealed, and there will be an increase in dust during the clearing, construction, and operational phases of The Project. An Air Quality Management Plan will be prepared following approval of the proposed Mine Site to address impacts associated with increased dust levels.
- Dust from stockpiles.

The Linear Corridor will provide primary access to the construction site and villages; therefore adjacent vegetation will suffer from continuous exposure to dust impacts. Some additional localised dust deposition across the Development Footprint – Mine Site may occur immediately adjacent to access roads. Vegetation situated in proximity to construction and operational activities may become coated with dust. However, this will be short term and unlikely to cause any significant damage or permanent impacts.

The potential effects of dust deposition on vegetation are determined by the following factors:

- The characteristics of leaf surfaces, such as roughness, influencing the rate of dust deposition on vegetation.
- concentration and size of dust particles in the ambient air and its associated deposition rates
- local meteorological conditions and the degree of penetration of dust into vegetation.

Proposed mitigation measures will include using water trucks to wet road surfaces and reduce dust kick-up, as well as developing a monitoring program to track the extent and effects of depositional dust on sensitive plant communities over time, ensuring timely intervention in the event of adverse changes being detected. An Air Quality Management Plan will be developed before construction which will consider

potential dust related impacts. These will be detailed in the Biodiversity Management Plan (see Section 5.5.2).

5.3.11 Increased risk of starvation

The vegetation proposed for removal is surrounded by vast areas of intact Native Vegetation. The areas of intact vegetation that are beyond the Development Footprint will ensure that food resources will not decrease to a level that will pose a risk of starvation to fauna.

5.3.12 Critical loss of shade or shelter

Some tree loss will be required for the development. This is unlikely to lead to a critical loss of shade or shelter due to the vastness of adjoining habitats.

5.3.13 Increased Soil Salinity

An increase in soil salinity can be detrimental to native species with surfaced salts becoming toxic to a large majority of native flora. Increases in soil salinity have been linked to large-scale land clearing and are usually associated with the clearing of vegetation (Australian Bureau of Statistics 2013). The Project requires the removal of 3883.08 ha of vegetation and the construction of dredge ponds, which will be filled with extracted groundwater. The groundwater on the Subject Land has been found to have an extremely high salt concentration (61 g/L or 10,167 mS/m), such that it exceeds the salt tolerance thresholds of all plant communities present on the Development Footprint (Greenloaning Biostudies, 2022). Accordingly, it can be concluded that the plant communities are not accessing or utilising water from the groundwater table, and that the removal of vegetation will not cause the groundwater table to rise and bring salts closer to the surface. However, the establishment of the dredge ponds will likely disperse the hypersaline groundwater over areas beyond those currently subjected to salt deposition through groundwater evaporation, and this could greatly increase soil salinity within affected areas of the Development Footprint.

Full Preliminary Observations of Groundwater Dependent Ecosystems – Greenloaning Biostudies report is located in Appendix A-10.

5.3.14 Rubbish Dumping

The Subject Land is currently subject to minor levels of rubbish dumping, primarily due to the actions of the current landowners. It is possible that the risk of rubbish dumping will heighten due to increased human presence because of the proposed development. However, suitable waste disposal facilities will be provided as part of the development, and waste will be routinely transported off site to waste disposal facilities in nearby townships. It is recommended that rubbish dumping is monitored throughout the lifespan of The Project, and that a Waste Management Plan outlining exactly how waste will be dealt with is developed. These will be outlined in the Biodiversity Management Plan (see Section 5.5.2).

5.3.15 Wood Collection

Woody debris provides habitat for wildlife, substrates for fungal and plant germination and growth, and contributes to soil processes (Smith *et al.* 2012). Its removal can, therefore, have adverse ecological impacts. All materials required for the development will be sourced externally and the Subject Land is far from populated areas and is not considered to attract wood collection. Nevertheless, the establishment of onsite mining camps could create a new avenue for potential wood collection, for activities such as campfires. It is essential that environmental inductions developed for the Proposed Development

highlight the importance of leaving woody debris in situ and undisturbed to avoid environmental degradation.

5.3.16 Bush rock removal and disturbance

Bush rocks are essential habitat features for biodiversity as they provide refuge for reptiles (O'Sullivan *et al.* 2024). The removal of bush rock can have serious implications for the persistence of rock-dependent reptile species. The Subject Land is not considered to attract bush rock collection, but the risk of collection could grow with the increased human activity associated with the Proposed Development. Similarly to wood collection, the importance of leaving bush rock undisturbed must be highlighted in pre-work environmental inductions. Additionally, the rehabilitation phase must ensure bush rock is restored on the rehabilitated landscape (to be addressed in the CEMP).

5.3.17 Increased risk of fire

The proposed development will not increase the risk of fire in the area.

5.4 Prescribed Impacts

5.4.1 Karst, Caves, Crevices, Cliffs, Rocks and Other Geological Features of Significance

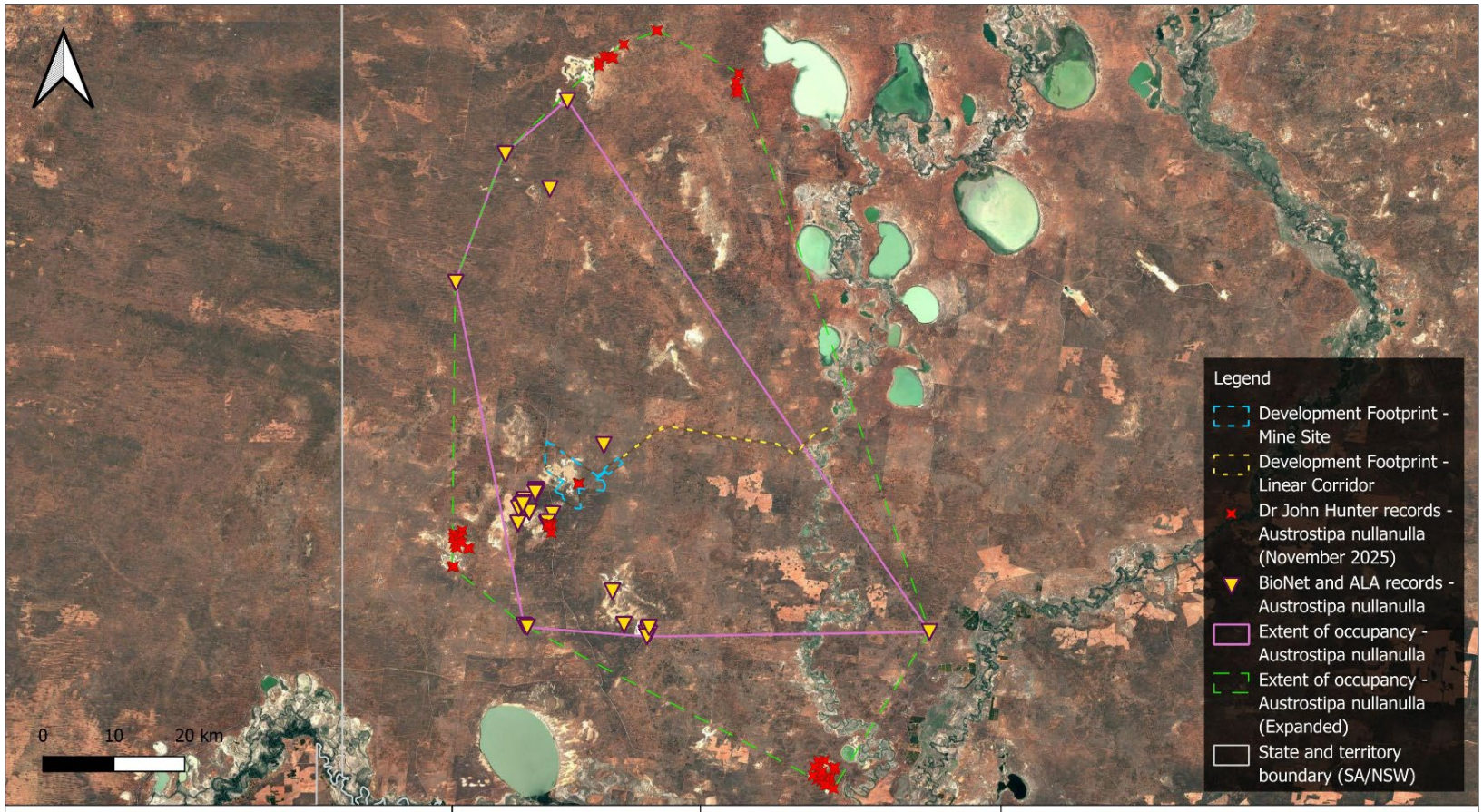
The Subject Land contains significant geological features in the form of gypsum soils associated with lunette rises. These soils and rises are essential habitat features for the endangered (BC Act 2016) Nulla Spear Grass (*Austrostipa nullanulla*), a gypsum obligate species which qualifies as a Serious and Irreversible Impact (SAII) entity (see Section 5.6). The former and current extent of occupancy for *Austrostipa nullanulla* is shown in Figure 80. The Project will require the removal of 3.84 ha of land occupied by *A. nullanulla* from PCT 253 within the Development Footprint – Mine Site. Additionally, 135.88 ha of potential habitat in the form of gypsum soils consistent with PCT 253 will be removed from the Development Footprint – Mine Site. Neither individuals nor potential habitat for *A. nullanulla* were recorded within the Development Footprint – Linear Corridor.

The removal of realised and potential *A. nullanulla* habitat will be offset with species and ecosystem credits (657 credits for *A. nullanulla* and 1,469 credits for PCT 253). As this species has an extremely limited distribution, particularly within NSW, it is very unlikely that species offset credits will be available for this grass. In lieu of species offset credits for *A. nullanulla*, offsets may need to be made towards another flora species of similar conservation status. At present, *A. nullanulla* is not listed as a species qualifying for Conservation Actions, despite being listed as Endangered in NSW and recognised as a SAII.

Additionally, endeavours will be made to restore the disturbed soils and rises once the soils are processed and works on sectors have ceased. This will take the form of placing gypsum-rich soils on the eastern margins of salt pans, mimicking the current habitat and conditions in areas occupied by *A. nullanulla.* Soil disturbance and rehabilitation will occur progressively, minimising the scale of areas disturbed at any one time. There are also plans for a research project to collect *A. nullanulla* seeds from the Development Footprint prior to clearing and experiment with propagating specimens within restored and rehabilitated gypseous soils (see Section 5.6.3). The species is identified on BioNet as having a 'high sensitivity to gain' and thus is likely to be responsive to restoration efforts. If successful re-establishment of the species is achieved within the restoration areas, it will aid soil stabilisation in the rehabilitated areas and assist its conservation on the Subject Land and across its broader distribution. The re-establishment of other, less specialised flora species will also assist in soil stabilisation as well as the improvement of biodiversity.

The methodology used to calculate the species polygon for *A. nullanulla* within the Development Footprint will also be used to calculate the offset species polygon for *A. nullanulla* in designated Biodiversity Stewardship offset areas.

To fulfill offset requirements under BC Act Section 6.4, a quote for *Austrostipa nullanulla* credits in the South Olary Plains subregion (associated with the Copi Mineral Sands Project / Warwick Station – Nulla Road, Pine Camp) has been obtained from the Biodiversity Conservation Trust (BCT) under PES00632. This provides the estimated credit price for potential payment into the Biodiversity Conservation Fund (BCF) if land-based offsets prove unachievable.



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Extent of Occupancy Austrostipa nullanulla NSW	Biodiversity AUSTRALIA
	Drawn by: NE	Location: Warwick Station	
	Date: November 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872
			Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:700000

Figure 80: Preliminary investigations to Land based Offset for Austrostipa nullanulla

5.4.2 Human-made Structure and Non-native Vegetation

The Subject Land does not contain human-made structures or non-native vegetation that provides meaningful habitat to threatened species.

5.4.3 Habitat Connectivity

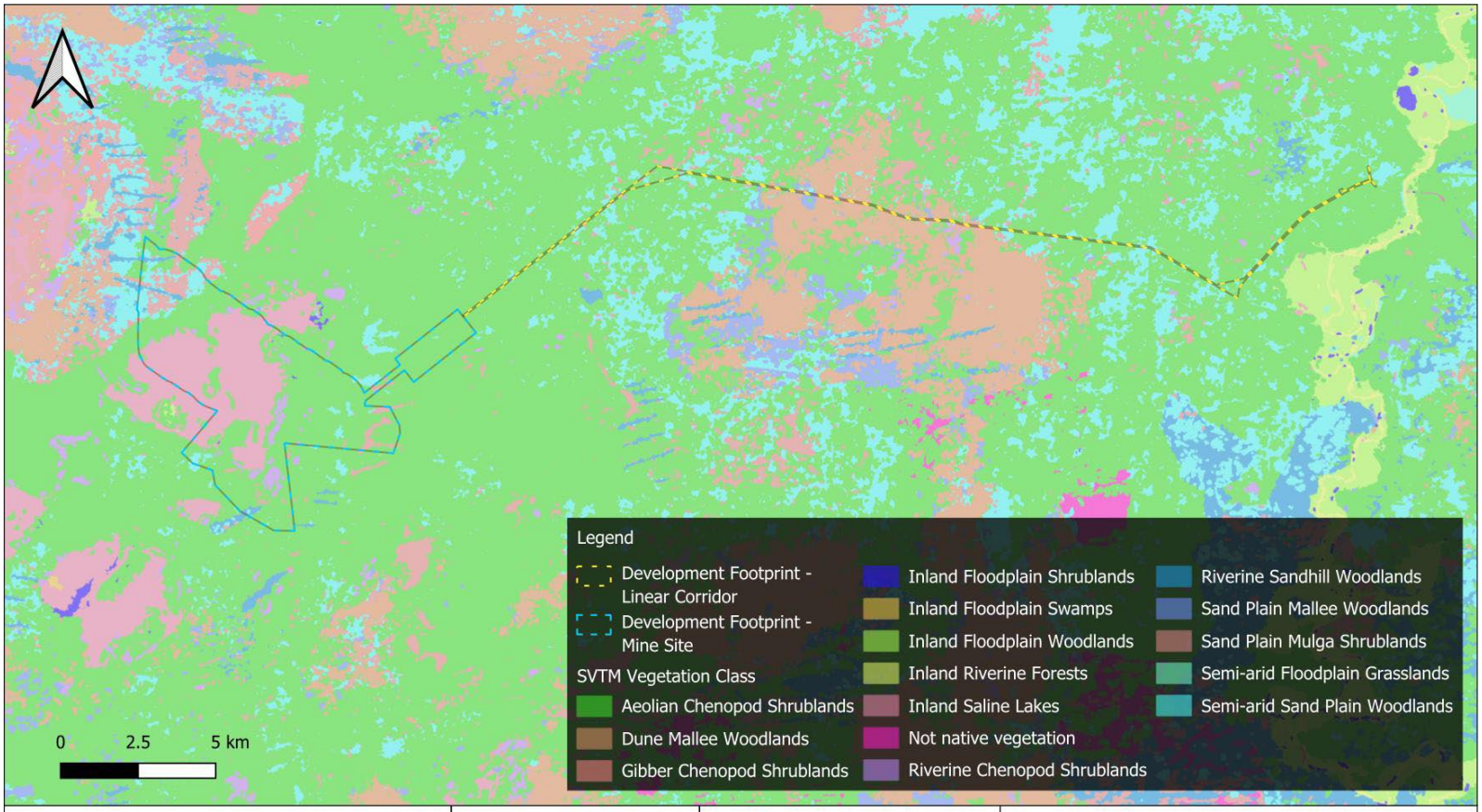
The Project will result in the removal of 3,883.08 hectares ha from the Mine Site Footprint and 190.16 ha from the Linear Corridor Footprint of Native Vegetation. This removal of vegetation will impact the connectivity of habitats that facilitate the movements of fauna whose ranges encompass the Subject Land. Further, the Development Footprint will be surrounded by fencing, potentially disrupting species' behaviour, dispersal abilities, and gene flow (Fischer & Lindenmayer, 2007).

However, these impacts are expected to affect only non-threatened fauna, such as macropods, whose large body sizes and home ranges preclude movement through fenced areas and necessitate uninterrupted access to connected habitat. The macropod species observed on the Subject Land, including the Western Grey Kangaroo, Common Wallaroo, and Red Kangaroo, have wide distributions due to their broad habitat tolerances. This ecological flexibility means these species are not restricted by the connectivity of particular PCTs and can adapt to a variety of vegetation types across the landscape. Consequently, while fencing and vegetation removal may temporarily alter their movement patterns, these macropod species are expected to persist by utilising habitats and resources within the environment surrounding the Development Footprint. Therefore, the anticipated impacts on connectivity are unlikely to result in any significant long-term effects on their populations.

Species with potential to occur on the Subject Land that have more specialised habitat requirements, such as the spinifex-obligate Mallee Slender Blue-tongue Lizard, are also expected to experience limited impacts associated with the loss of habitat connectivity and disruption to movement. This is due to two factors:

- As shown in Figure 81, vast areas of intact vegetation beyond the Development Footprint will remain undisturbed, including a large, contiguous forested area to the north-west of the Subject Land. In all cases, the PCTs present within the Development Footprint extend uninterrupted beyond the Project boundary, meaning that displaced species will have ample connected habitat for movement and dispersal outside the affected area.
- The threatened species with potential to occur within the Subject Land, such as those listed in Table 59 have body sizes or dispersal modes, including the ability to fly, that allow them to bypass barriers (as discussed in Section 5.3.1 Fragmentation).

One threatened flora species, *Austrostipa nullanulla*, may be impacted by the loss of habitat connectivity resulting from The Project. The Project requires the removal of 3.84 ha of area occupied by *A. nullanulla* within the Development Footprint – Mine Site, as well as 135.88 ha of potential habitat. This potential habitat, which is located on an exposed gypseous rise to the east of a salt pan, extends north and south from the known mapped occurrence of *A. nullanulla.* The removal of these exposed gypseous rises could potentially reduce habitat connectivity for *A. nullanulla*, as they provide soils conducive to the species' colonisation.



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.

Project Manager: NC	Figure Name: Regional Scale Habitat Connectivity - Development Footprint	Biodiversity AUSTRALIA	
Drawn by: NE	Location: Warwick Station		
Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:160000

Figure 81: Regional scale habitat connectivity - Development Footprint



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Indicative mining schedule - Development Footprint - Mine Site	Biodiversity AUSTRALIA
	Drawn by: NE	Location: Warwick Station	
	Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872
			Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:70000

Figure 82: Indicative mining schedule - Development Footprint - Mine Site

5.4.4 Water Bodies, Water Quality and Hydrological Processes

The Development Footprint – Mine Site contains salt pans (Figure 83) mapped as wetlands under the NSW Wetlands Layer. However, these salt pans areas are ephemeral – they do not support any permanent wetland ecosystems and only occasionally collect rainwater and surface water runoff. Furthermore, they are highly saline due to groundwater evaporation, as their elevation in some areas is close to the groundwater table, which sits between 24 and 26 m AHD (Australian Height Datum) across the Development Footprint (GEO-ENG, 2024). The salinity of the groundwater in the uppermost aquifer, which is accessible to plants and hosts the orebody to be mined by the proposed development, is 61 g/L or 10,167 mS/m (Greenloaning Biostudies, 2022(Appendix A-10) ; GEO-ENG, 2024. This is almost twice the salinity of sea water and greatly exceeds the tolerance thresholds of all flora species present within the PCTs considered to be potentially groundwater dependent (PCTs 64, 157, 221, 253) by high ecological value aquatic ecosystem (HEVAE) framework mapping (Greenloaning Biostudies, 2022; RWC, 2024). For example, the most salt-tolerant plant species present on the Subject Land, Samphire (*Tecticornia pergranulata* subsp. *pergranulata*), which dominates PCT 64, has an upper salinity tolerance threshold 6,500 mS/m (DPI & RD, 2023). Since the salinity of the groundwater surpasses this range, even this extremely salt-tolerant plant is highly unlikely to rely on groundwater. This is supported by the absence of this and other plant communities from low-lying areas below 26 m AHD (the elevation of the groundwater table). Consequently, two separate groundwater assessments independently concluded that the likelihood of the plant communities within the Development Footprint qualifying as GDE's is remote (Greenloaning Biostudies, 2022; GEO-ENG, 2024). Any reliance on groundwater is likely to be limited to small perched and ephemeral groundwater aquifers associated with rainfall recharge.

Localised changes to groundwater levels are expected to occur as a result of the boring and extraction required to fill the dredge ponds necessary for The Project. Namely, a 1 – 6 m drawdown in groundwater levels is expected to occur in the first year of operations in the eastern side of the Development Footprint (RWC, 2024). This drawdown is predicted to span a total area of 1,153.38 ha, with 271.76 ha permeating beyond the boundary of the Development Footprint (Figure 84). However, it must be noted that the depth of the drawdown is predicted to decrease in a radial manner with increasing distance from the centre of the affected area, so the areas beyond the Development Footprint will experience less drawdown. The depth of the drawdown will stabilise at 1 m from the 5th year of operations for the remaining operational lifespan of The Project. It will increase to 2,382 ha in size by the 10th year, then gradually shrink and return to pre-development depths upon the conclusion of mining operations. Another, much smaller drawdown of only 163.30 ha and with a depth of 1 – 2 m is expected to occur in the north-western part of the Development Footprint from the 5th year of operation until the 10th year, after which point it will have returned to normal levels (Figure 84). It must be again reiterated that regardless of the information presented above, it is clear that the PCTs within the Development Footprint are not GDE's, and the expected impacts of these groundwater changes are nil.

In addition to the drawdown in groundwater levels, the construction and operation of the Mine Site will result in the permanent removal of large sections of the salt pans located within the Development Footprint – Mine Site (Figure 83). As stated previously, these areas do not currently support any vegetation communities. However, they may be of some value to wildlife. For example, the salt pans may provide some foraging and roosting value to avifauna species, such as the threatened White-fronted Chat (*Epthianura albifrons*), both when dry and when inundated during significant rainfall events. In particular, salt pans may offer areas of enhanced predator detection for roosting, and abundant macroinvertebrate resources for foraging (Sacco *et al.* 2021). Whilst it is expected that impacts associated with the removal of these salt pans will be minimal due to there being a number of other salt pans in the vicinity of the Subject Land that will remain undisturbed, it is essential to ensure the remaining sections outside the Development Footprint retain their ecological function.

The salt pans act as sinks for surface water runoff, allowing flow to be captured by fringing vegetation and increasing soil moisture content. This moisture is essential for sustaining the macroinvertebrate

communities that the White-fronted Chat and other threatened bird species (see Table 55 and Table 59) depend on. It also creates the conditions necessary for the germination of seeds deposited by the vegetation communities present along the salt pans' periphery (e.g. PCT 64) (Ferguson, 1997). Thus, ensuring the continued ability of the remaining salt pans to capture and hold water during rainfall inundation events is critical for the maintenance of biodiversity. The Project acknowledges the importance of maintaining the function of the residual sections of the salt pans beyond the Development Footprint and will implement measures to manage surface water and vegetation within these areas to support ongoing ecosystem health. Specifically:

- The mining pits will be installed at a lower elevation than the residual salt pans they bisect. To prevent uncontrolled seepage from the salt pans into the pits, which could drain the salt pans of captured water, the embankments separating the pits from the salt pans will be constructed as water-retaining structures.
- Flow bunds will be installed to direct clean surface flow into areas where it can pool and infiltrate, and to prevent it from entering disturbed areas. Similarly, bunds will be installed to prevent sediment-laden runoff from entering the surrounding environment (See Figure 85).
- Adaptive measures to monitor and manage vegetation health in the residual salt pan sections are described in Table 57 and will be further detailed in The Project's Development Consent Management Plan, consistent with regulatory requirements.

Table 55: Threatened species associated with PCT 64 Samphire - Water Weed - Sea-Heath shrubland saline wetland of depressions of the arid and semi-arid (warm) zones

PCT	Common Name	Species Name	Type	BC Act	EPBC Act	Profile ID	Atlas Code
64	Australian Bustard	*Ardeotis australis*	Birds	Endangered	-	10063	FA0176
64	Sanderling	*Calidris alba*	Birds	Vulnerable	-	10127	FA0166
64	Little Pied Bat	*Chalinolobus picatus*	Bats	Vulnerable	-	10159	FA1352
64	Grey Falcon	*Falco hypoleucos*	Birds	Vulnerable	Vulnerable	10330	FA0236
	Button Immortelle	*Leptorhynchos waitzia*	Herbs & Forbs	Endangered	-	10467	FL1559
64	Southern Myotis	*Myotis macropus*	Bats	Vulnerable	-	10549	FA1357
64	Little Eagle	*Hieraaetus morphnoides*	Birds	Vulnerable	-	20131	FA0225
64	Spotted Harrier	*Circus assimilis*	Birds	Vulnerable	-	20134	FA0218
64	Rufous Fieldwren	*Calamanthus campestris*	Birds	Vulnerable	-	20138	FA9950
64	White-fronted Chat	*Epthianura albifrons*	Birds	Vulnerable	-	20143	FA0448
64	Dusky Woodswallow	*Artamus cyanopterus cyanopterus*	Birds	Vulnerable	-	20303	FA8519

The nature of the mineral sands mining Project limits opportunities to avoid impacts in areas where deposits occur (i.e. the salt pans). The unique characteristics of the inhospitable groundwater, the localised nature of the disturbance areas, the occurrence of similar undisturbed areas beyond the Development Footprint ensure that impacts, and the monitoring and mitigation measures introduced to ensure the ecosystem function of the residual salt pans ensure that impacts to biodiversity are minimised. A Water Management Plan (WMP) describing groundwater monitoring and management measures, such as groundwater quality testing and an adaptive review of modelling scenarios, must be prepared for The Project prior to the commencement of operations (GEO-ENG, 2024). An Accredited Person must form part of this Water Management Plan to properly address any potential impacts to biodiversity.

One meter high flow bunds are proposed to be constructed at three locations around the perimeter of the Mine Site Development Footprint Figure 85. These flow bunds will be constructed as a precautionary

measure to protect the mine site and surrounding vegetation from potential inundation following storm events. Under storm modelling provided in the R.W. Corkery & Co. Geospatial analysis and Modelling expert report, (RWC 2026) (Appendix A-6) pooling or inundation will not be experienced outside the Development Footprint at either of the two bunds located to the west, however the shorter bund located to the east will experience pooling and inundation in an area extending north from the exterior of the bund, as shown in Figure 85.

Inundation may occur over approximately 44 ha of PCT 154 Pearl Bluebush low open shrubland. The potential impacts associated with inundation of vegetation (PCT 154), are uncertain as rainfall events are unpredictable within the region. Complete avoidance of these impacts is unable to be achieved due to the detailed design of the development and the nature and uncertainty of potential impacts; thus minimisation is essential. Mitigation measures will include monitoring of Vegetation Integrity Plots established within the potential inundation zones and offset through the requirement of credits where monitoring indicates a significant reduction in Vegetation integrity.

A total of 42 BAM VI plots were conducted within the ground-truthed PCT 154 vegetation zones within the Mine Site Development Footprint between November 2024 and November 2025. The Vegetation integrity (VI) scores from all 42 plots can be used to determine an adaptive management action trigger value, by first calculating the average VI score from the multiple BAM plots within each vegetation zone, then determining the annual rate of decline for each VZ within BOAMS. Finally, the trigger value for the retirement of additional credits, can be calculated by doubling the annual rate of decline (ARD).

In accordance with the BAM 2020 s4.3.4, to determine the ARD of PCT 154 outside the Development Footprint, four VI plots are proposed to be located within the 44 ha VZ Mod 154 inundation zone, which is forecast to be impacted by pooling stormwater following the construction of flow bunds. Plot data from these 4 plots will provide an average VI score for the VZ and subsequent annual rate of decline and adaptive management action trigger value. Table 56 provides the VI scores, annual rate of decline, trigger value, sample size and VI plot identifiers for PCT 154 within the Mine Site Development Footprint.

The credit obligation generated by impacts to 44 ha of moderate condition PCT 154 within in the modelled inundation zone is 553 ecosystem credits. Table 56, illustrates the current vegetation integrity of PCT 154 within the Mine Site Development Footprint along with the number of plots, plot numbers used to calculate the Vegetation Integrity Score of the VZ, annual rate of decline and the proposed annual rate of decline trigger for the retirement of credits. The ecosystem credits offset liability generated by inundation of 44 ha of PCT 154 will be documented in the Biodiversity Management Plans part of monitoring and will be retired if required.

Table 56: PCT 154 Moderate vegetation zone values

VZ	VI	ARD VI without Management	Triger Value	Number of Plots	Plot Numbers
Moderate	34.2	-1.5	-3	42	42 - 75 & 78 - 85

In addition to PCT 154, another PCT which is not shown by modelling to be at risk of impacts but occurs within low lying sensitive areas is PCT 64. This community occurs within salt lakes, salt pans and on lake and pan margins, both within the Mine Site Development Footprint, and outside footprint on nearby adjacent land. A total of 14 BAM VI plots were conducted within the ground-truthed PCT 64 vegetation zones within the Mine Site Development Footprint between November 2024 and November 2025. A total of 7 plots were conducted within the mine site area and 7 on adjacent land outside the footprint. The Vegetation integrity (VI) scores from 14 plots can be used to determine the adaptive management action trigger value, as outlined above for PCT 154.

No areas of PCT 64 Samphire - Water Weed - Sea-Heath shrubland saline wetland outside of the Development Footprint are predicted to be impacted by the storm modelling. However, as a precautionary measure, baseline Vegetation Integrity values have been recorded from 14 BAM plots located within (the mine site and adjacent land) PCT 64 vegetation zones (VZ). An additional 5 VI plots are proposed to be positioned within PCT 64 outside the flow bunds. Four in PCT 64 along the southern flow bund and one in PCT 64 located north of the northernmost flow bund. These additional external VI plots will be located 50 m from the flow bund structures. From the collected data, the annual rate of decline (ARD) has been calculated for each VZ. Biodiversity Australia have set adaptive management trigger values for each of these VZs at twice the ARD. This means that if VI scores from BAM plots located outside the development, within impact buffer areas in land adjacent (containing PCT 64 VZs) drop below original VI baseline values by more than twice the ARD, it will trigger the adaptive management actions listed in Table 58.

Each PCT 64 VZ present within the Mine Site Development Footprint, along with the corresponding VI scores, annual rate of decline, trigger value, sample size and VI plot identifiers, are displayed in Table 57.

Table 57: PCT 64 vegetation zone values

ZV	VI	ARD VI without Management	Triger Value	Plots	Plot Numbers
Mod-high	49.9	-1.8	-3.6	7	23, 24, 25, 26, 27, 28, 29
Mod	19.9	-0.9	-1.8	4	29, 30, 40, 41
Mod-Low	26.8	-1.5	-3	5	18, 19, 20, 36, 39
High	81.8	-1.1	-2.2	1	10

Credit obligations for PCT 64 have not been generated as the potential impact area for the community was not indicated in the modelling. If monitoring of the additional external VI Plots indicate the VI of PCT 64 outside the Development Footprint falls below 75% of the baseline VIS credit obligations should be calculated as part of the adaptive management plan if the VIS continues to decline despite the implementation of mitigation measures outlined in Table 58.

Geospatial analysis and Modelling experts at R.W. Corkery & Co. used a 2D flood (hydraulic) model in HEC-RAS to estimate where water would flow, where it would pond, and inundation depth during a modelled large storm event. Analysts then compared the “no mine / no bund” case against the “with mine / with bund” case, to determine the effect of the flow bund under the same modelled storm event.

Key outputs of this modelling are: the predicted peak flood depth maps for each scenario and the flood level difference mapping that highlights areas where inundation depths go up or down due to the bund and mine scenario.

The storm modelling used is based on a 2D HEC-RAS hydraulic simulation for a 1% AEP, 72-hour modelled storm. Interpretation was achieved by comparing: (1) peak flood depth mapping for the “no mine” scenario versus the “with mine” scenario (with the flow bund shown), and (2) a flood level difference map that indicates where depths increase or decrease between scenarios. Overall, the mapping shows broadly similar flood patterns between the scenarios at the site scale, with the most noticeable changes concentrated around the flow bund alignment and nearby low-lying areas. Shown in Figure 85.

Key inputs/assumptions of the modelling were:

- Terrain: 5 m-resolution elevation/topography to capture low points, drainage lines and subtle depressions where water can pond.
- Modelled storm: 1% AEP, 72-hour event (consistent across scenarios so the comparison is like-for-like).
- Rainfall pattern and scaling: modelled rainfall distribution through time adopted from the hydrology setup (hyetographs), with standard aerial adjustment for catchment scale.
- Losses: infiltration/loss parameters applied consistently to represent initial wetting and ongoing losses during the event.
- Surface conditions: simplified/consistent roughness representation so differences in results are driven mainly by terrain and the bund inclusion.
- Scenario change: the main structural difference between scenarios is the inclusion of the flow bund in the "with mine" case, enabling an isolated comparison of its effect on water levels and flow redistribution.

This modelling is best treated as a **comparative scenario assessment**, not a detailed final design of a full surface water management system. The purpose is to show where the bunds alter flow paths and local ponding, and whether those changes extend beyond the immediate area. The difference mapping indicates that changes are generally localised rather than widespread across the broader domain.

State type vegetation mapping in the inundation and potential inundation areas has been refined via desktop vegetation mapping assessments and extensive ground-truthing of PCTs within the Mine Site Development Footprint.

The modelling inundation overlays (no-mine vs with-mine) shows that inundation is largely occurring to the north in the mapped shrubland communities. Based on the current mapping overlay, interaction with PCT 64 appears limited on the mapping provided, however PCT 154 appears to be at greatest risk of inundation impacts across an area of 44 ha, extending north of the mines site Development Footprint. This area receives rainwater via a series of drainage lines which direct the water from west, north and east of the smaller flow bund.

Although the comparative scenario assessment provided by the storm modelling does not indicate that PCT 64 is at risk of inundation; due to the sensitivity of the community and its association with salt pans and salt lakes, monitoring measures are proposed to detect impacts, trigger mitigation actions and prevent damage to the community and ecosystem present in those three areas where flow bunds are located.

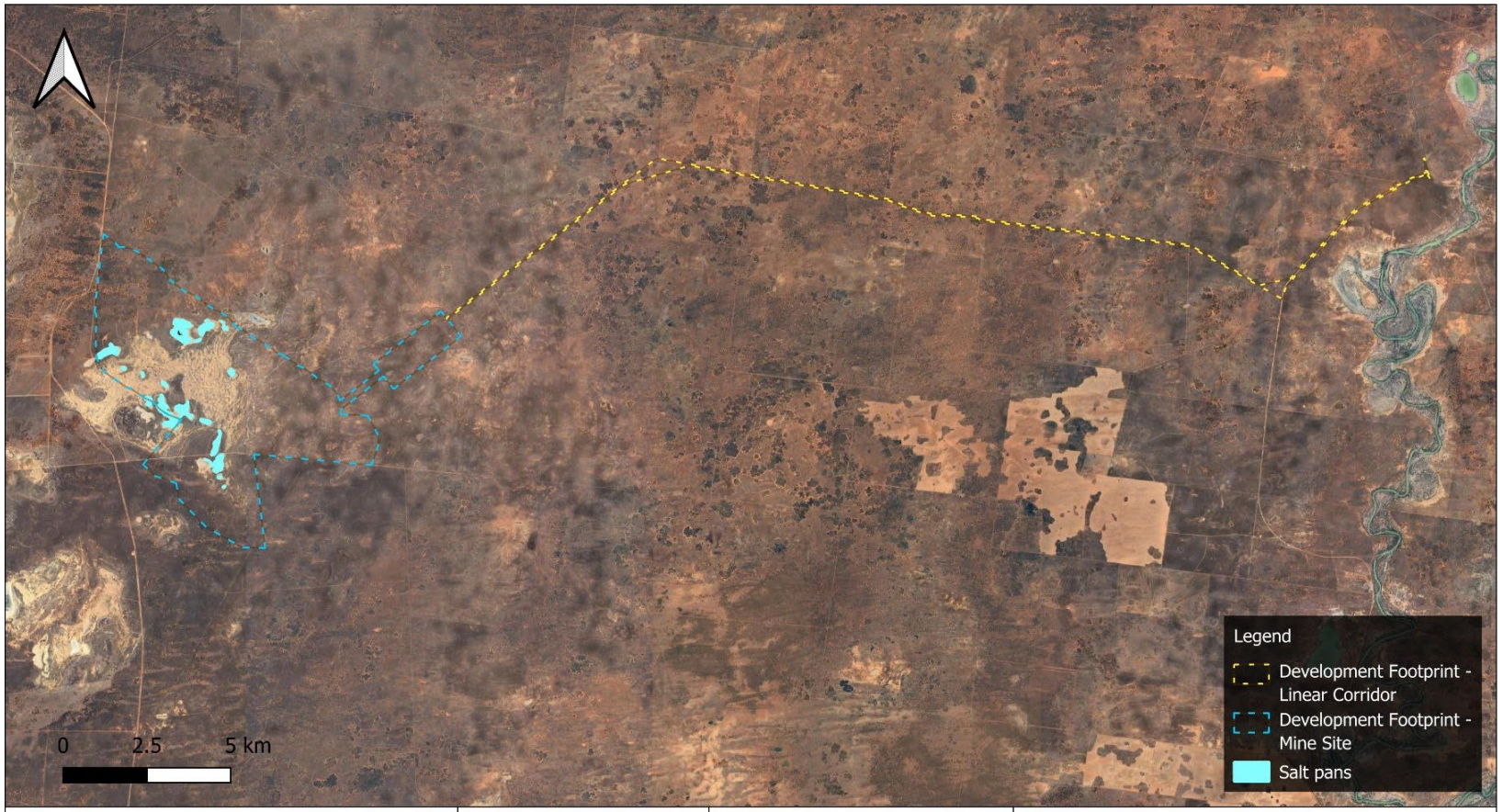
Table 58: Indirect and prescribed impacts Salt lakes – Adaptive management measures to manage residual impacts

Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
1. Vegetation integrity	PCT 64 VI assessments undertaken during "average" benchmark conditions PCT 64 VI assessments undertaken during "dry" benchmark conditions (yet to be conducted) PCT 154 VI assessments undertaken during "average" benchmark conditions PCT 154 VI assessments undertaken during "dry" benchmark conditions (yet to be conducted)	Seasonal rainfall will determine benchmarks against which VI scores will be compared	Annual VI monitoring throughout PCT 64 and 154 See Figure 86 and Figure 87	If VI scores fall below the baseline for 2 consecutive years. Annual rate of decline (ARD) for PCT 154 is identified to be twice baseline ARD Recorded VI of PCT 64 falls below 75% of baseline VI Extended periods of inundation Extended periods of no rain Fire damage	Engage hydrologist to investigate whether surface flow availability and bund effectiveness is adequate. Increase monitoring frequency to every 3 months to monitor VI trends. Retirement of Credits identified in Section x for PCT 154 Calculate credit requirements for PCT 64 residual impacts if VI continues to decline despite adaptive management actions Increased frequency of VI monitoring in response to extended periods of inundation.	VI score trends	Results of investigations into the causes of VI declines will be used to inform ongoing management
2. Soil monitoring	Soil sampling is required to be undertaken prior to impacts occurring within the Development Footprint in order to establish a baseline.	Soil monitoring must be undertaken following high rainfall events	Quarterly monitoring and reporting of Soil sampling throughout PCT 64.and 154 See Figure 86 and Figure 87	Greater than 20% change in soil salinity.	Engage Geologist and hydrologist to investigate remediation actions. Increase monitoring to monthly to determine trends in soil quality Application of soil ameliorants Prepare a report outlining the	Soil salinity trends	Results of investigations into the causes of change to Soil salinity will inform ongoing management

Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
					investigation into the changes		
3. Salt Lake Invertebrate utilisation	Establish a baseline through diurnal invertebrate surveys undertaken at all salt lakes during spring prior to development	Climate, migratory patterns and environmental conditions	Annual monitoring of salt lake utilisation by invertebrates conducted within spring. See Figure 86 and Figure 87	Reduction in observed invertebrate fauna occupation of unimpacted	If a reduction in the utilisation of Salt Lake by invertebrate species is observed, monitoring should be conducted over multiple periods during Spring.	Trend in Invertebrate utilisation of Salt lakes	Results of utilisation of salt lakes will inform ongoing management and if further biodiversity credits are required to be retired.
4. Monitoring of ground water drawdown	Outlined within the Copi Mineral Sands Project Groundwater Impact Assessment	Effects of seasonal rainfall must be considered.	Monitoring methods are to follow those outline in the Copi Mineral Sands Project Groundwater Impact Assessment. Monitoring will occur at increased frequency during actions that are likely to cause groundwater drawdown. See Figure 86 and Figure 87.	Expected timeline of water drawdown exceeded beyond identified limits. These limits will be defined in the updated Groundwater modelling. To be guided by updated water drawdown modelling. i.e. Groundwater drawdown exceeds modelled depths.	Increased monitoring of water retaining embankments. Prepare a report outlining the investigation into the changes Repairs undertaken in water retention embankments Increased number of water retention embankments Review of Groundwater Model	Groundwater depths and duration of drawdown.	Results of investigations will outline ongoing management actions and determine if further mitigation measures are required to be implemented
5. Salt lake water quality	Establish baseline through water sampling of Salt Lakes prior to impacts where achievable.	Seasonal rainfall	Flow bunds are required to be monitored following heavy rainfall Flow bunds are to be inspected weekly for damages Water Quality testing See Figure 86 and Figure 87.	Monitoring of Salt Lake water quality identifies greater than 20% change in parameters Damaged Flow bunds	Reduce volume of groundwater extracted. Source water from elsewhere. Increased monitoring of Flow Bunds. Repairs undertaken to Flow Bunds	Water quality – organic and inorganic compounds, sedimentation etc.	Results of investigations will outline ongoing management actions and determine if further mitigation measures are required to be implemented

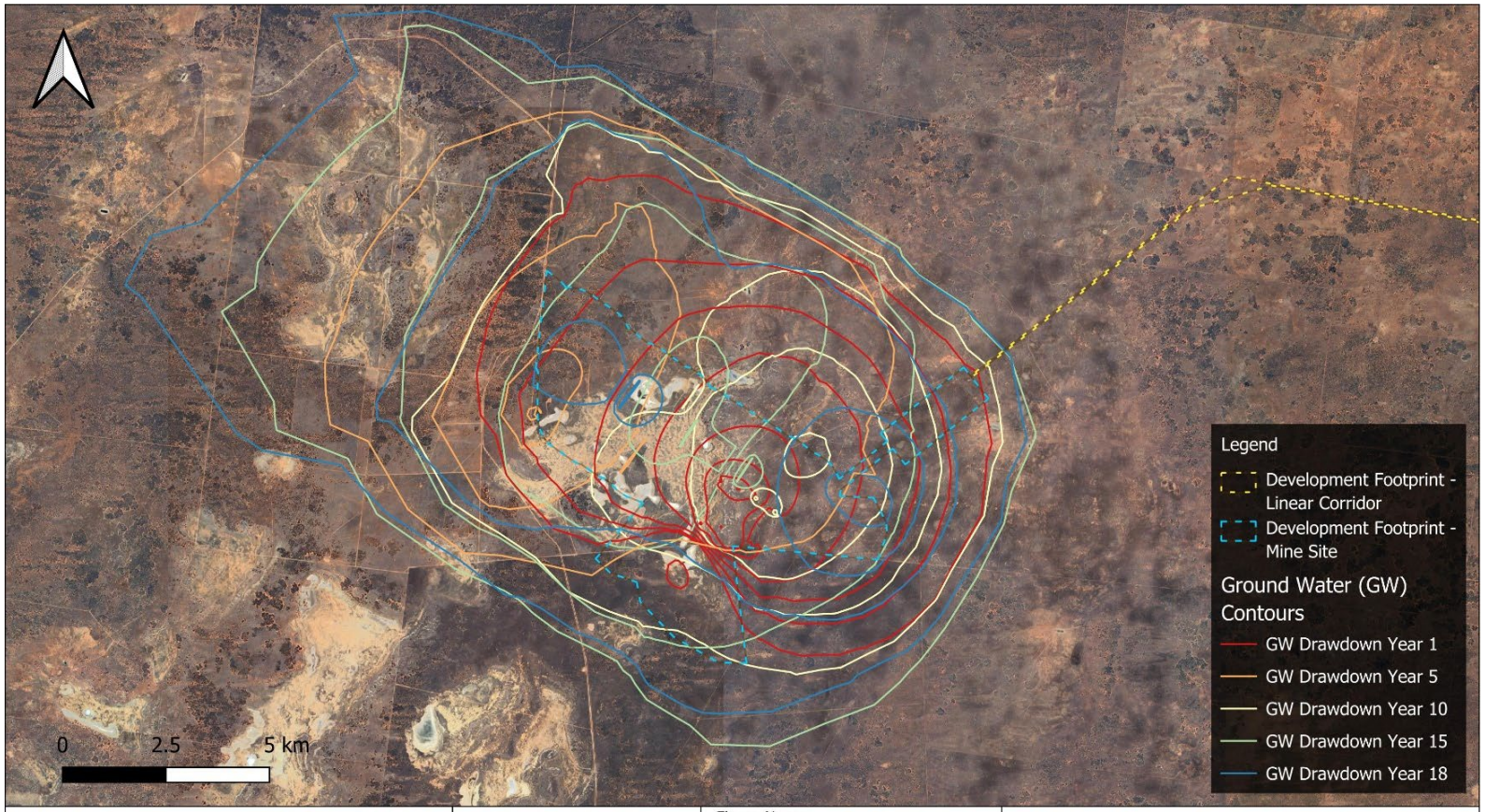
Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
					Increased size of Flow bunds Repairs are to be undertaken within no more than 14 days of identification		
6. Mine water Use	Establish baseline once development begins	High rainfall events will likely increase volumes. Drought conditions will likely increase evaporation rates and reduce pond levels	Monthly Monitoring and reporting of: Bore Pumping Volumes Water return volumes Evaporation rates Pond water levels Dredge and sand pumping volumes See Figure 86 and Figure 87.	Monitoring of Mine water usage as outlined in the Copi mineral Sands Project – Groundwater Impact Assessment, reports a greater than 20% increase in projected usage	Replace monitoring infrastructure Increased water monitoring Prepare a report outlining the investigation into the changes	Volume of water consumed.	To be guided by Groundwater impact Assessment (i.e. Greater than 150% change in Mine water usage)
7. Groundwater quality	Outlined within the Copi Mineral Sands Project Groundwater Impact Assessment	High rainfall and drought events will likely influence groundwater quality. Groundwater drawdown is likely to influence groundwater quality.	Quarterly monitoring and reporting of bore water quality. See Figure 86 and Figure 87.	To be guided by Groundwater impact Assessment (i.e. Greater than 50% change in groundwater parameters)	Increased monitoring of groundwater quality Investigation of groundwater changes Repair of groundwater and waste water	Groundwater quality trends	Results of investigations will outline ongoing management actions and determine if further mitigation measures are required to be implemented
8. Flow, watercourse function and flooding	Outlined within the Copi Mineral Sands Project Amended Surface Water Assessment	High rainfall and groundwater drawdown is likely to influence flow, watercourse function and flooding	Flow bunds are required to be monitored following heavy rainfall Flow bunds are to be inspected weekly for damages	Damages to flow bunds Increased frequency of rainfall events Identification of additional inundation areas	Increased monitoring of Flow Bunds. Repairs undertaken to Flow Bunds Increased size of Flow bunds Engage hydrologist to investigate whether	Rainfall data, evaporation, groundwater depths and duration of drawdown, VI score trends	Results of investigations will outline ongoing management actions and determine if further mitigation measures are required to be implemented

Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
			Repairs are to be undertaken within no more than 14 days of identification See Figure 86 and Figure 87.		surface flow availability and bund effectiveness is adequate. Increase monitoring frequency to every 3 months to monitor impacts.. VI score trends.		



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Location of salt pans - Development Footprint	Biodiversity AUSTRALIA	
	Drawn by: NE	Location: Warwick Station		
	Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
				Scale: 1:150000

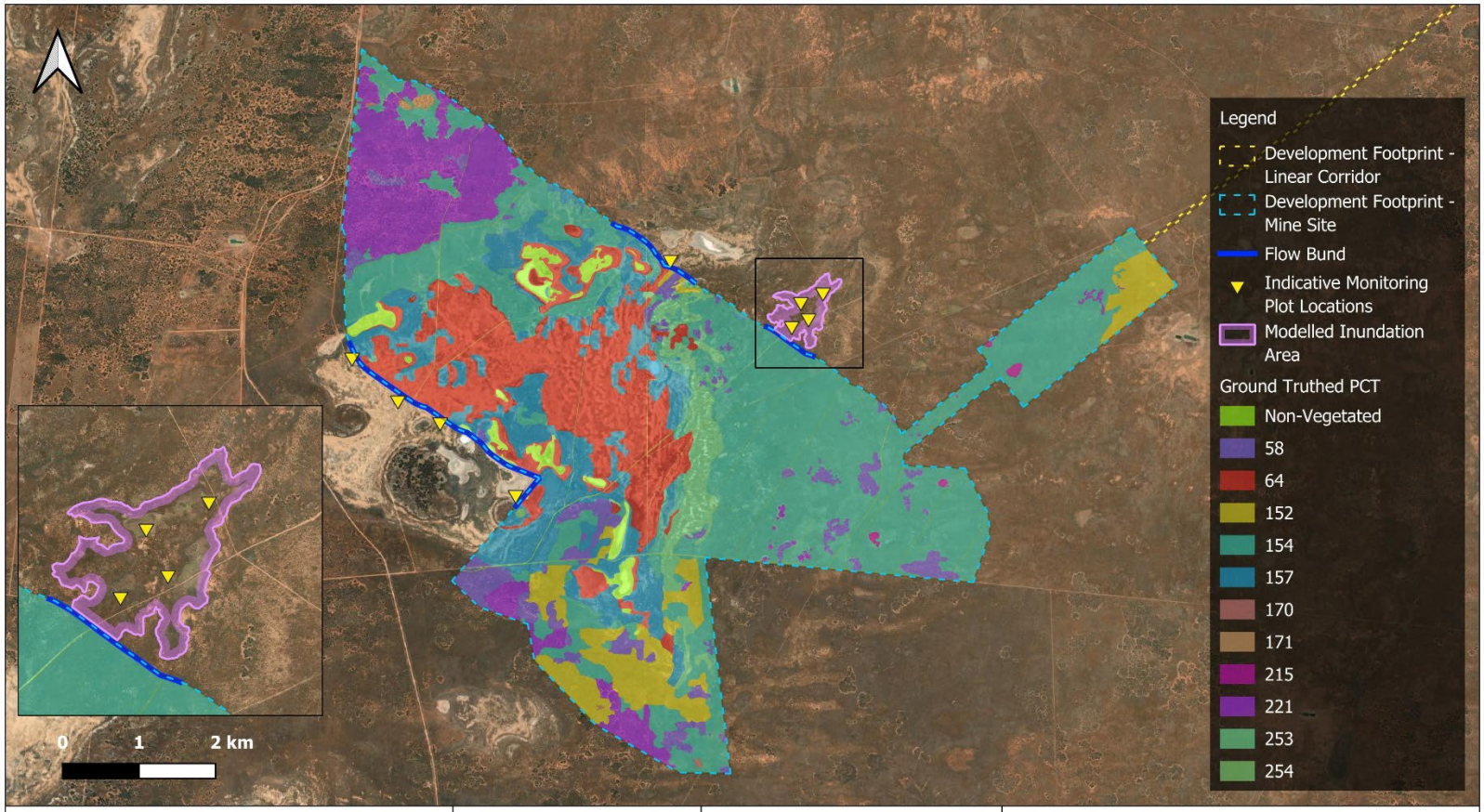
Figure 83: Location of salt pans – Development Footprint



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.

Project Manager: NC	Figure Name: Modelled Predictions of Groundwater Drawdown - Smooth Model - Development Footprint - Mine Site	Biodiversity AUSTRALIA	
Drawn by: NE	Location: Warwick Station		
Date: May 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:120000

Figure 84: Modelled predictions of groundwater drawdown - smooth model - Development Footprint - Mine Site



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.

Project Manager: NC	Figure Name: Modelled Inundation Area - Mine Site	Biodiversity AUSTRALIA	
Drawn by: NE	Location: Warwick Station		
Date: February 2026	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:65000

Figure 85: Flow bunds and indicative inundation areas resulting from a ‘with mine’ storm event scenario

5.4.5 Wind Farm Developments

The proposed development is not a wind farm development.

Vehicle Strike

The Proposed Development will lead to increased vehicle activity on the Subject Land which has the potential to increase the incidence of vehicle collisions with threatened and non-threatened fauna. Studies have shown a significant increase in fauna vehicle strike incidents where road densities and vehicle speeds are high, which can result in the direct mortality of fauna (Clevenger *et al.* 2002; Gurriga *et al.* 2012). Whilst road densities for the Proposed Development will not be high (access to the Mine Site will be via a single site access road), high vehicle speeds may still create increased risk for fauna vehicle strike. At present, the Anabranch Mail Road, which feeds into the proposed site access road, is subject to the default speed limit under all roads other than urban roads of 100 km/hr. However, the narrow travel width of the road precludes 100 km/hr operating speeds, and an operating speed of approximately 80 km/hr is considered more appropriate (Tonkin Consulting, 2024). Although 80 km/hr bears lower risk for fauna vehicle strike than 100 km/hr, the risk is still increased and requires likelihood reduction measures.

The Traffic Assessment report for The Project details adjustments to the Anabranch Mail Road and site access road which are primarily designed to improve the safety of Mine Site workers but might also reduce fauna collision risks. These include upgrading the roads' pavement condition to achieve all-weather accessibility and widening them to allow two-way traffic along their entirety. These adjustments would improve braking performance and increase visibility, respectively, allowing for better fauna detection and a greater likelihood of avoiding collision. Additional measures detailed in the report include using buses to transport workers to and from the Mine Site to reduce the number of vehicles travelling on the Anabranch Mail Road and site access road, establishing a speed limit of 50 km/hr within the Mine Site, and a proposed 40 m wide fenced road reserve along the entirety of the site access road (Tonkin Consulting, 2024). The latter measure would be highly effective at minimising the likelihood of fauna vehicle strikes, particularly with mammal fauna like kangaroos and feral goats. However, it would greatly compromise habitat connectivity for these species.

On top of these measures, and to ensure that they are implemented appropriately, a Traffic Management Plan (TMP) will be an outcome of the Traffic Assessment report. The TMP will include measures such as installing signs to warn drivers of the presence of wildlife and ensuring that speed limits are adhered to, especially during periods of decreased visibility, such as at night or when following another vehicle that may create dust. To further minimise the effects of dust on visibility and fauna strikes, water trucks shall routinely wet road surfaces. Another suggested method to mitigate fauna vehicle strikes is to remove roadkill from roads immediately after strikes occur. Such actions would prevent raptors, such as the threatened Little Eagle and Black Kite, and other scavenging species from being attracted to the roads to reduce the risk of collision. A Biodiversity Management Plan will require that all vehicle fauna strike incidents be recorded. The BMP will outline trigger points that once incurred or exceeded will require further adaptive management actions to be implemented throughout the site. Trigger points for adaptive responses are defined (e.g., >2 strikes/month prompts night curfews), with examples of further measures (e.g., fencing hotspots, vehicle modifications). If macropod strikes reach or exceed the trigger value outlined within the BMP, routine inspections of fencing along roadways must occur and upgrades to height or reductions to mesh aperture will be considered to ensure fauna access to the road reserve is prevented; if reptiles strikes are common, vehicle movements may be further limited during peak reptile activity periods. Additional measures might include further reduced speed limits and increased water truck frequency.

Table 59: Prescribed impacts on Ecosystem credit threatened species

Common Name	Scientific Name	Suitable habitat for ecosystem credit species (Associated PCT)	Prescribed Impact
Birds (Raptors)			
Black Falcon	*Falco subniger*	58,152,154, 157,170, 171, 253	**Karst, Caves, Crevices, Cliffs, Rocks and Other Geological Features of Significance** The Subject Land has very low topography, an absence of cliffs and other geological features that would likely impede the breeding or hunting behaviour of raptors. **Habitat Connectivity** All of the Ecosystem credit threatened raptors associated with the Subject Site are highly mobile and would rely less on habitat connectivity and more on expansive areas of habitat. More importantly, a consistent prey base which is easily accessible with opportunities for nesting across broad areas are likely to maintain individual populations. This ecological flexibility means these raptors are not restricted by the connectivity of particular PCTs and can adapt to a variety of vegetation types across the landscape. **Loss of water bodies and changes to groundwater levels** It is anticipated that changes to salt pans and low lying ephemeral areas is unlikely to have a significant impact on raptors. Given the highly saline nature of the salt lakes and the absence of any permanent wetland systems, systematic changes to behaviour are unlikely. This is also supported by their highly mobile nature across the landscape, depending on 'boom and bust cycles.' Any reliance on groundwater is likely to be limited to small perched and ephemeral groundwater aquifers associated with rainfall recharge. **Wind Farm Development** N/A **Vehicle Strike** Raptors as a group are particularly susceptible to vehicle strike given they may scavenge road-kill on and beside roads. A number of important strategies have been identified to be included in the EMP to reduce the risk of bird strike, including reducing speed during peak bird activity periods, fencing, removing road-kill, such as kangaroos, from road sides and generally reducing overall speed of road trains both across the Mine Site and Haul Road.
Black-breasted Buzzard	*Hamirostra melanosternon*	58,152,154, 157,170, 171, 221, 254	
Little Eagle	*Hieraaetus morphnoides*	All PCTs	
Grey Falcon	*Falco hypoleucos*	All PCTs	
Spotted Harrier	*Circus assimilis*	All PCTs	
Square-tailed Kite	*Lophoictinia isura*	58, 221, 254	
White-bellied Sea-Eagle	*Haliaeetus leucogaster*	58, 157, 170, 171	
Birds (General)			
Blue-winged Parrot	*Neophema chrysostoma*	58, 157,170, 215, 253	**Karst, Caves, Crevices, Cliffs, Rocks and Other Geological Features of Significance** The Subject Land has very low topography, an absence of cliffs and other geological features that would likely impede the breeding or hunting behaviour of birds. Most of the threatened birds associated with this group are not as mobile and would have restricted home ranges. The staged approach of the Mine (Figure 82) should provide some opportunity to move across the landscape, however, there will be a loss of some individuals. Measures to minimise these impacts have been addressed in Sections 5.4 and 5.5. **Habitat Connectivity**
Chestnut Quail-thrush	*Cinclosoma castanotum*	171	
Diamond Firetail	*Stagonopleura guttata*	58, 170	
Dusky Woodswallow	*Artamus cyanopterus cyanopterus*	All PCTs	
Gilbert's Whistler	*Pachycephala inornata*	58, 170, 171	

Common Name	Scientific Name	Suitable habitat for ecosystem credit species (Associated PCT)	Prescribed Impact
Grey-crowned Babbler (eastern subspecies)	*Pomatostomus temporalis temporalis*	58	All of the Ecosystem credit threatened birds associated with the Subject Site are moderately mobile and would have the capacity to move as a result of the Mines activities. They would rely on some connectivity throughout the landscape particularly species which are less mobile such as Rufous Fieldwren and Shy Heathwren. Good quality habitat to provide a regular prey base and opportunities for nesting will be compromised by the Mines activities. For the most part, their ecological flexibility means most of the subject birds are less restricted by the connectivity of particular PCTs and would be able to adapt to a variety of vegetation types across the landscape. Other more specialist species will be detrimentally impacted by the Mine. **Loss of water bodies and changes to groundwater levels** It is anticipated that changes to salt pans and low lying ephemeral areas is unlikely to have a significant impact on generalist birds. Given the highly saline nature of the salt lakes and the absence of any permanent wetland systems, systematic changes in behaviour are unlikely. This is also supported by their highly mobile nature across the landscape, depending on 'boom and bust cycles.' Any reliance on groundwater is likely to be limited to small perched and ephemeral groundwater aquifers associated with rainfall recharge. **Wind Farm Development** N/A **Vehicle Strike** Birds as a group are not particularly susceptible to vehicle strike given they rarely have a reason to visit road-side verges other than rainfall events where water is likely to accumulate in culverts. Strategies have been identified to be included in a TMP to reduce the risk of bird strike, including reducing speed during peak bird activity periods, fencing, removing road-kill, such as kangaroos, from road sides and generally reducing overall speed of road trains both across the Mine Site and Haul Road.
Malleefowl	*Leipoa ocellata*	171, 215	
Painted Honeyeater	*Grantiella picta*	58, 215	
Pied Honeyeater	*Certhionyx variegatus*	58, 152, 154, 170, 171, 221	
Pink Cockatoo	*Cacatua (Lophochroa) leadbeateri*	28, 58, 143, 152, 154, 170, 171, 215, 221, 253, 254	
Purple-crowned Lorikeet	*Glossopsitta porphyrocephala*	170, 171	
Purple-gaped Honeyeater	*Lichenostomus cratitius*	170, 171	
Redthroat	*Pyrrholaemus brunneus*	153, 154	
Rufous Fieldwren	*Calamanthus campestris*	64, 157	
Scarlet-chested Parrot	*Neophema splendida*	170, 171	
Shy Heathwren	*Hylacola cautus*	171	
South-eastern Hooded Robin	*Melanodryas cucullata cucullata*	58, 170, 171, 215, 221, 254	
Southern Scrub-robin	*Drymodes brunneopygia*	171	
Southern Whiteface	*Aphelocephala leucopsis*	58, 152, 154, 157, 170, 171, 215, 253	
Varied Sittella	*Daphoenositta chrysoptera*	58, 170, 171, 221, 254	
White-fronted Chat	*Epthianura albifrons*	64, 152, 154, 157, 253	
Reptiles			
Bardick	*Echiopsis curta*	171	**Karst, Caves, Crevices, Cliffs, Rocks and Other Geological Features of Significance** The Subject Land has very low topography, an absence of cliffs and other geological features that would likely impede the breeding or hunting behaviour of reptiles. Most of the threatened snakes and lizards within this group are not as mobile and would have restricted home ranges. The staged approach of the Mine (Figure 82) should provide some opportunity to move across the landscape,
Interior Blind Snake	*Ramphotyphlops endoterus*	154, 215	
Jewelled Gecko	*Strophurus elderi*	170, 171	

Common Name	Scientific Name	Suitable habitat for ecosystem credit species (Associated PCT)	Prescribed Impact
Ringed Brown Snake	*Pseudonaja modesta*	58, 170, 171, 215	however, there will be a loss of individuals associated with Mining activities. Measures to minimise these impacts have been addressed in Sections 5.4 and 5.5. **Habitat Connectivity** All of the Ecosystem credit threatened reptiles associated with the Subject Site have limited mobility and would have limited capacity to move as a result of the Mines activities. They would rely on connectivity for dispersal and gene flow. Species which have very limited capacity for dispersal include the Mallee Worm-lizard (*Aprasia inaurita*) and Interior Blind Snake (*Ramphotyphlops endoterus*). Good quality habitat is required to provide a regular prey base and opportunities for burrowing and dispersal will be significantly compromised by mining activities. For the most part, their ecological flexibility means most of the subject reptiles are less restricted by the connectivity of particular PCTs and would be able to adapt to a variety of vegetation types across the landscape. Ecological specialist are more likely to be detrimentally impacted in areas impacted by the Mine. **Loss of water bodies and changes to groundwater levels** It is anticipated that changes to salt pans and low lying ephemeral areas is unlikely to have a significant impact on reptiles. Given the highly saline nature of the salt lakes and the absence of any permanent wetland systems, systematic changes in behaviour are unlikely. This is also supported by their highly mobile nature across the landscape, depending on 'boom and bust cycles.' Any reliance on groundwater is likely to be limited to small perched and ephemeral groundwater aquifers associated with rainfall recharge. **Wind Farm Development** N/A **Vehicle Strike** There is an increased risk of vehicle strike from lizards and snakes crossing roadways, particularly during peak activity periods for reptiles coinciding with truck movements along haul roads. If reptiles strikes become frequent, vehicle movements may be further limited during peak reptile activity periods. Additional measures might include further reduced speed limits and increased water truck frequency to improve visibility on roads.
Mallee Slender Blue-tongue Lizard	*Cyclodomorphus melanops elongatus*	215	
Mallee Worm-lizard	*Aprasia inaurita*	171, 215	
Marble-faced Delma	*Delma australis*	170, 171	
Wedgesnout Ctenotus	*Ctenotus brooksi*	171, 215	
Western Blue-tongued Lizard	*Tiliqua occipitalis*	154, 170, 171	
Small Mammals			
Bolam's Mouse	*Pseudomys bolami*	58, 170, 171, 221, 254	**Karst, Caves, Crevices, Cliffs, Rocks and Other Geological Features of Significance**

Common Name	Scientific Name	Suitable habitat for ecosystem credit species (Associated PCT)	Prescribed Impact
Sandy Inland Mouse	*Pseudomys hermannsburgensis*	58, 154, 171, 215	Threatened small mammals are predominately dependent on the sand based substrates within the Development Footprint. There are no real geological features which would provide niche habitats for more specialist mammals. **Habitat Connectivity** The Project will result in the removal of 3,883.08 ha from the Mine Site and 190.16 ha from the Linear Corridor of Native Vegetation. This removal of vegetation will impact the connectivity of habitats that facilitate the movements of fauna whose ranges immediately encompass the Subject Land, disrupting species behaviour, dispersal abilities and gene flow. vast areas of intact vegetation beyond the Development Footprint will remain undisturbed, including a large, contiguous forested area to the north-west of the Subject Land. In all cases, the PCTs present within the Development Footprint extend uninterrupted beyond the Project boundary, meaning that displaced small mammals will have ample connected habitat for movement and dispersal outside the affected area. **Loss of water bodies and changes to groundwater levels** Localised changes to groundwater levels are expected to occur as a result of the boring and extraction required to fill the dredge ponds necessary for The Project. Namely, a 1 – 6 m drawdown in groundwater levels is expected to occur in the first year of operations in the eastern side of the Development Footprint. The impact on small mammals is expected to be negligible as it is clear within the Development Footprint that the PCTs are not GDE's, and the expected impacts of these groundwater changes is expected to be negligible. **Wind Farm Development** N/A **Vehicle Strike** There will be localised vehicle strikes of small mammals as a result of increased vehicle activity on the Subject Land. Monitoring of vehicle strike on small mammals will be difficult to monitor given their small size and problems around accurate identification once struck. A Biodiversity Management Plan will also need to incorporate a vehicle fauna strike incidents including small mammals. These matters will be further dealt with in a Traffic Management Plan (TMP) for The Project. Fences are unlikely to provide a meaningful barrier to small rodents unless specifically designed to exclude them.
Southern Ningaui	*Ningaui yvonneae*	170, 171	
Stripe-faced Dunnart	*Sminthopsis macroura*	58, 154, 171, 215, 221	
Western Pygmy Possum	*Cercartetus concinnus*	58, 170, 171, 221, 254	
Kultarr	*Antechinomys laniger*	58, 152, 154, 157, 170, 171, 215, 221	
Microbats			
Corben's Long-eared Bat	*Nyctophilus corbeni*	58, 170, 171, 221	**Karst, Caves, Crevices, Cliffs, Rocks and Other Geological Features of Significance** There are no Karst or Cave features that are likely to harbour microbats associated with the Subject Land and no other areas of geological significance that are likely to be important to microbats. **Habitat Connectivity** Individuals of threatened microbats will be detrimentally impacted by the loss of 3,883.08 ha from the Mine Site and 190.16 ha from the Linear Corridor of Native Vegetation. However, given the staged approach of the Mine (Figure 82), there will be some opportunity for microbats to recover over time. The removal of vegetation will impact the connectivity of habitats that facilitate the movements of microbats whose ranges immediately encompass the Subject Land, disrupting species behaviour, dispersal abilities and gene flow. Vast areas of intact vegetation beyond the Development Footprint
Inland Forest Bat	*Vespadelus baverstocki*	58, 170, 171, 221, 254	
Little Pied Bat	*Chalinolobus picatus*	All PCTs	
Yellow-bellied Sheathtail-bat	*Saccolaimus flaviventris*	58, 170, 171, 215, 221	

Common Name	Scientific Name	Suitable habitat for ecosystem credit species (Associated PCT)	Prescribed Impact
			will remain undisturbed, including a large, contiguous forested area to the north-west of the Subject Land. In all cases, the PCTs present within the Development Footprint extend uninterrupted beyond the Project boundary, meaning that displaced microbats will have ample connected habitat for movement and dispersal outside the affected area. **Loss of water bodies and changes to groundwater levels** The impact on microbats is expected to be negligible as it is clear within the Development Footprint that the PCTs are not GDE's, and the expected impacts of these groundwater changes is expected to be negligible. Most of the threatened microbats are dependent on woodland environments and do not rely on permanent water for critical stages of their lifecycle. **Wind Farm Development** N/A **Vehicle Strike** As all of the threatened microbats are nocturnal it's unlikely that vehicle collisions will occur unless there are vehicle movements during dawn and dusk periods. It will be recommended in the Traffic Management Plan that vehicle movements do not occur at this time.

5.5 Measures to Minimise Impacts

The proposal would be subject to several mitigation measures and environmental controls to reduce the overall impact of the development on biodiversity and ensure potential offsite impacts are minimised. The conclusions of this assessment have assumed that these will be implemented. A summary of the impact mitigation measures employed prior, during and after project actions, including descriptions of the measures, timing and responsibility and associated failure risk weightings are listed in Table 60 and illustrated in Figure 86 and Figure 87.

5.5.1 Protection and Rehabilitation of Retained Vegetation

The Subject Land contains areas of Biodiversity Value, namely the forested areas to the north-west of the Development Footprint. These areas comprise good-moderate quality woodland vegetation and abundant habitat features that will be retained. Whilst the quality of vegetation varies across the Subject Land, the areas to be retained contains the highest quality vegetation and is comprised of communities of mature trees, with minimal weed invasion, established ground layer habitat and an abundance of hollow logs and woody debris. The design of The Project avoids these areas of higher quality vegetation. Areas where vegetation has been cleared will be subject to ecological rehabilitation. The details of this rehabilitation will be detailed within a Rehabilitation Plan.

5.5.2 Biodiversity Management Plan

A Biodiversity Management Plan (BMP) will be developed following approval of the Proposed Development and Environmental Impact Statement (EIS) outlining the findings of the extensive Environmental Impact Assessment for The Project. The BMP will commence with flora and fauna monitoring to establish a baseline. This baseline, and the findings of this BDAR, will serve as a benchmark for future surveys, enabling comparisons and measurement of potential impacts over time. The document will then outline an adaptive management plan designed to identify, address, and mitigate adverse ecological impacts associated with the proposed action.

A number of adaptive management plans will be prepared to address specific biodiversity impacts and outline mitigation measures to be implemented during all phases of The Project including:

- Biosecurity (Weed and Pest) Management Plan (all phases).
- Rehabilitation Plan (construction and operation phases).
- Soil Erosion & Sediment Control Plan (pre-construction and construction phases).
- Air quality Management Plan (construction and operation phases).
- Topsoil Management Plan (construction and operation phases).
- Vegetation Management Plan (all phases).
- Traffic Management Plan.
- Waste Management Plan.
- *Austrostipa nullanulla* Adaptive Management Plan.

An overall Construction Environmental Management Plan (CEMP) will also be prepared to mitigate and manage impacts such as noise and light pollution. This plan will describe:

- Risk Assessment.
- Objective.
- Environmental Management Activities and Mitigation Measures.
- Action and timing.
- The monitoring program, which may include:
    - Roles and responsibilities (clearly stating who is responsible for each activity),
    - Performance indicators against achievements and outcomes that are to be measured in an accurate and reliable methodology. (e.g. BAM 2024/2025 baseline survey),
    - Monitoring requirements (timing and frequency of monitoring to detect changes in the performance indicators, to determine outcome achievement, and inform adaptive management,
    - Trigger values for corrective actions, &
    - Auditing and review mechanisms.

Monitoring of retained vegetation areas will be undertaken throughout the life of The Project. Remnant vegetation will be monitored for foliar discolouration, partial, or complete defoliation, increased pathogenic diseases, tree death and dust deposition as indicators of vegetation impacts. In areas where natural regrowth is not sufficient to replace dead trees, replanting will be undertaken.

The BMP will also monitor potential impact sources to ensure they are mitigated or remain within acceptable levels and define trigger points that will determine when and how interventions are required. For example, if depositional dust is found to be impacting plant health along the Linear Corridor, requests may be made to reduce speed limits and increase the frequency of water trucks to dampen the road surface and minimise dust. Potential impact sources that will be monitored include:

- Weed invasion.
- Noise levels.
- Light disturbance.
- Feral animals.
- Dust levels and Sediment Control.
- Rubbish dumping, wood collection and bush rock removal.

Additionally, the BMP will describe protocols and procedures to minimise injury and mortality to wildlife throughout the Proposed Development's construction and operational phases, including:

- Environmental inductions.
- Pre-clearing surveys.
- Clearing supervision.
- Hollow Bearing Tree removal protocol.
- Documenting instances of fauna injury or mortality.

5.5.2.1 General Clearing Measures

The following measures are recommended to manage clearing:

- Site induction is to specify that no clearing is to occur beyond the marked area. All vehicles are only to be parked in designated areas.
- Outline vegetation clearing protocols, including sequential/stage clearing requirements.
- Clearing and earthworks are to avoid damage to root zones of retained trees.
- No materials or fill are to be placed under retained trees or within adjacent vegetation.
- Weeds are not to be mulched with native vegetation and must be taken to a licenced landfill facility.

5.5.2.2 Pre-clearing Survey and Clearing Supervision

The clearing extent is to be inspected for fauna by a suitably qualified or experienced person immediately prior to commencement of any vegetation removal involving machinery and/or tree-felling. This is to occur each morning if clearing spans over multiple days/weeks. Pre-clearing checks would include searches of habitat (e.g. lifting and destructive searches of logs) and searches for bird nests. Any detected fauna is to be relocated off-site to nearby suitable areas (preferably within their natural home range) prior to clearing.

During the pre-inspection, any habitat features detected (e.g. hollows, logs, nests) are to be clearly marked with flagging tape to allow easy identification during clearing.

- A suitably qualified or experienced person must be present on site to supervise all clearing works to retrieve any fauna detected during works and undertake appropriate action (e.g. humanely euthanise severely injured animals and/or relocate uninjured animals). The fauna spotter must also be present during de-watering of any temporary water bodies on the site to rescue and relocate any potential stranded aquatic fauna species.
- A report detailing the results of the clearing monitoring is to be provided to the consent authority within 14 days of works completion.

5.5.2.3 Hollow-bearing Tree Removal Protocol

Hollow-bearing trees are to be felled in a manner that will minimise the risk of injury/mortality of denning/roosting fauna within the limitation of Work Health and Safety (WHS) Guidelines. This is suggested to be achieved by the following general procedure:

- The hollow-bearing trees are to be gently bumped several times prior to removal to encourage any fauna present to vacate.
- Trees are to be felled in a manner that minimises injury to fauna. This includes gently pushing or ‘soft felling’ with an excavator or gradual cut down by an arborist.
- A suitably qualified or experienced person is to be present during felling and sectioning of the hollow-bearing tree (at the proponent’s cost) in case of animal injury. Hollows are to be inspected for fauna once the tree is deposited. All uninjured animals are to be released in the retained habitat on site.
- If the hollow is determined to be occupied and fauna do not require assistance (e.g. roosting bats), the entrance is to be blocked, and the log placed in a shaded and protected area on the edge of the site. The obstacle is to be removed just prior to dusk to allow passive escape of the fauna within. The log may then be removed if required.

Upon completion of this exercise, a brief written report (with photos) detailing the above is to be submitted to Council within 14 days of the removal of the hollow-bearing trees.

Given the suitable nest hollows and number of Pink Cockatoos observed within and adjacent to the development footprint, it is important the clearing of potential breeding habitat for this species is completed in a specific way, including:

- Clearing of hollow-bearing trees should occur outside the Pink Cockatoo breeding season (breeding season is August to November, plus two-weeks either side to allow for environmental conditions), and
- Stag watching of specific hollow-bearing trees for two days prior to clearing to ensure no active breeding nests will be disturbed.

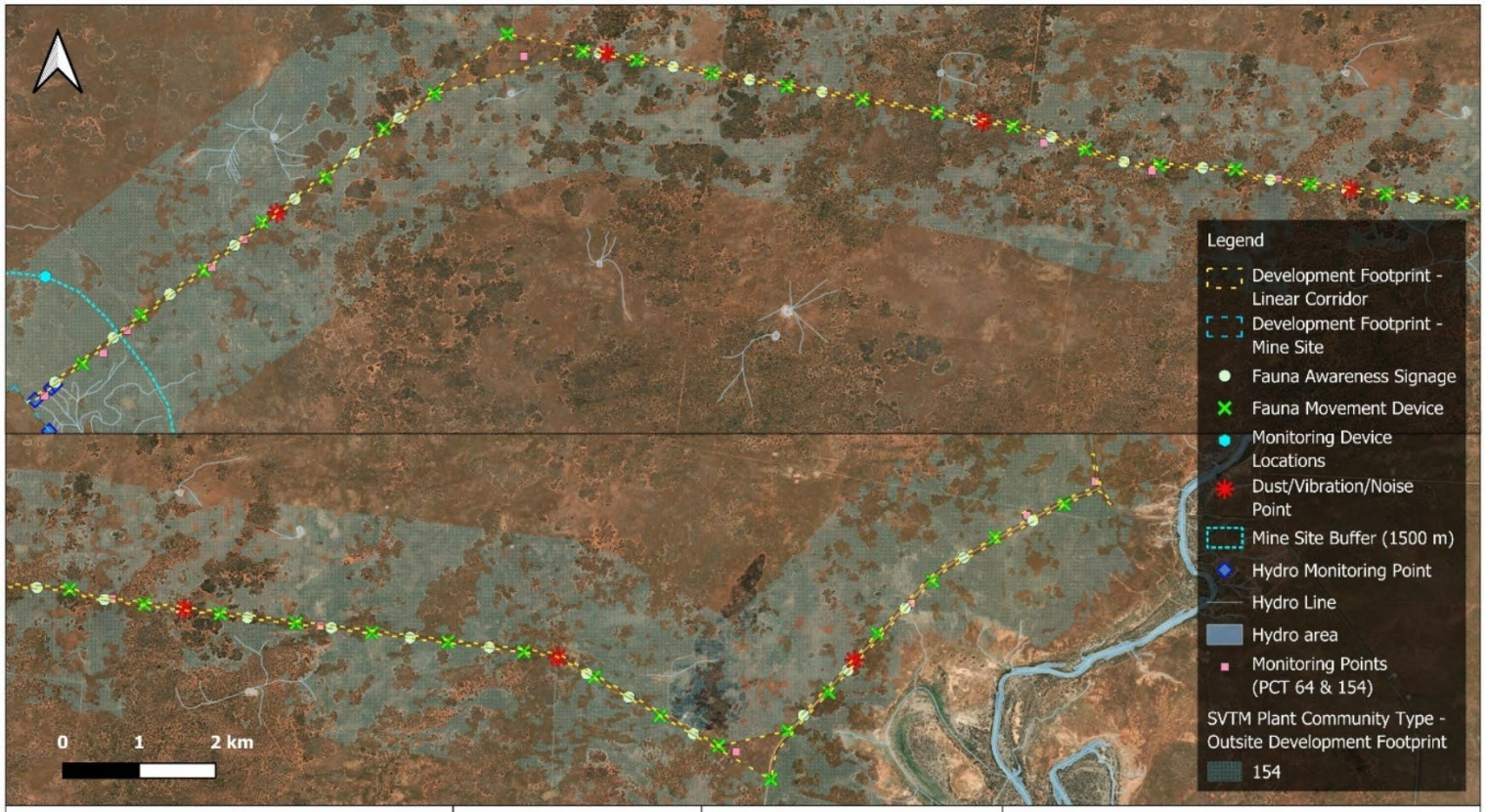
5.5.3 Mitigation Measure Summary

The mitigation measures summary table located below (Table 60) outlines mitigation measures for the project. TARP (Trigger Action Response Plan) Table 58 located in section 5.4.4, and Table 61 through Table 67 below, provide examples of adaptive management measures which must be used where applicable throughout each of the management plans outlined in section 5.5.2 above.



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: General Site Mitigation Measures - Mine Site	Biodiversity AUSTRALIA
	Drawn by: NE	Location: Warwick Station	
	Date: February 2026	Client: R.W. Corkery & Co.	Job Number: ENS6872
			Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:80000

Figure 86: Adaptive Management Plan mitigation measures in the Development Footprint Mine Site Area



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: General Site Mitigation Measures - Linear Corridor	Biodiversity AUSTRALIA	
	Drawn by: NE	Location: Warwick Station		
	Date: February 2026	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference:
				Scale: 1:65000

Figure 87: Adaptive Management Plan mitigation measures in the Development Footprint linear Corridor Area

Table 60: Mitigation measures summary for The Project

Impact	Number	Mitigation Measures	Timing	Responsible Party	Risk of Failure
Project Planning	P-1	The preparation and planning of or implementation of the below management plans must be completed prior to construction works commencing. • Operational Environment Management Plan • Construction Environment Management Plan • Biodiversity Management Plan • Vegetation Management Plan • Rehabilitation Management Plan • Research Plan • Rehabilitation Research Plan • Revegetation Research Plan • Translocation Plan • *Austrostipa nullanulla* management Plan • Biosecurity Management Plan • Soil Erosion and Sediment Control Plan • Air Quality Management Plan • Topsoil Management Plan • Stormwater and Runoff Management Plan • Traffic Management Plan • Waste Management Plan The above plans are required to outline the following: • Responsible Parties for each management action • Responsible parties for auditing and compliance • Environmental objectives and outcomes • Spatial mapping • Performance criteria/ milestones • Completion Criteria • Evidence based risk assessment • Monitoring and auditing requirements • Compliance Reporting requirements • Contingency/Adaptive management measures	Pre construction (Plans updated as required)	Construction Manager, Health, Safety and Environment (HSE) Manager	Low

Impact	Number	Mitigation Measures	Timing	Responsible Party	Risk of Failure
		The above plans will be prepared by suitably qualified personnel and reviewed by RW Corkery and RZ Resources Limited prior to implementation.			
	P-2	The Biodiversity Management Plan must be prepared identifying the Flora and Fauna mitigation measures for each phase of The Project. The BMP will include strategies to limit and reduce potential impacts on vegetation and habitat. Primary objectives of the plan will blueprint: • Roles and responsibilities of personnel and auditing plan. • Details of relevant flora and fauna (especially threatened species) to be protected during all phases of The Project, including: • Extent and conditions of the habitats within the Development Footprint. • Species, habitat and breeding places/season. • Protocols to limit fauna injury and mortality, including management risks associated with open excavations, increased traffic and responses and reporting for roadkill and adverse incidents. • Protocols to ensure The Project does not provoke threats to fauna habitat, including exotic species (weeds/pests), road incidents and bushfires. • Display plans of areas to be cleared in stages and areas to be protected, including fauna movement corridors, habitat features, ' no go zones' and rehabilitation areas. • Pre-clearing protocols, including pre-clearing inspections, establishment of exclusion zones and ground identification of specific habitat features to be inspected and possibly retained. • Framework vegetation clearing protocols, including species-specific clearing requirements for *Austrostipa nullanulla* (Nulla spear-grass), fauna relocation management procedures and any specified seasonal limit on clearing activities. • Display plans of the area to be impacted within the Development Footprint and adjoining areas outlining the location of key constraints including Native Vegetation, flora and fauna habitat, nests and breeding places. • Demands for temporary and permanent fencing to minimise the risk of fauna injury/mortality due to vehicle strike or entrapment during excavations. • Unpredictable threatened species find procedures, including outlining the process of stopping works, engaging a qualified ecologist to confirm	Pre construction (Plans updated as required)	Construction Manager, Health, Safety and Environment (HSE) Manager	Low

Impact	Number	Mitigation Measures	Timing	Responsible Party	Risk of Failure
		the presence, contacting government regulators, securing any approvals required and restarting work. • Revegetation and Rehabilitation requirements for disturbed areas, no longer required for active use or construction, particularly within Native Vegetation, threatened species habitat, watercourses and drainage features. • Inclusion of various related sub plans • Vegetation Management Plan • Rehabilitation Management Plan • Fauna Management Plan • *Austrostipa nullanulla* Adaptive Management Plan • Stormwater and runoff Management Plan • Soil Erosion and Sediment Control Plan • Biosecurity Management Plan • Traffic Management Plan • Waste Management Plan • Air Quality Management Plan • Research Plan • Rehabilitation Research Plan • Revegetation Research Plan • Translocation Plan			
	P-3	A Vegetation Management Plan (VMP) is to be prepared, implemented and audited as part of the OEMP, CEMP and BMP. The constitutional objectives of the plan will display: • Roles and responsibilities of personnel implementing and auditing the plan. • Requirements for clearing vegetation around saline plains and drainage features. • Display maps and plans of the areas to be cleared and areas to be protected, 'No go Zones,' and proposed rehabilitation areas. • Outline pre-clearing protocols including establishment of exclusion zones and on-ground inspection of vegetation to be retained. • Outline vegetation clearing protocols, including sequential/stage clearing requirements • Protocols to reclaim and relocate woody debris, tree hollows and boulders/rocks.	Pre construction (Plans updated as required)	Construction Manager, Health, Safety and Environment (HSE) Manager	Low

Impact	Number	Mitigation Measures	Timing	Responsible Party	Risk of Failure
		• Design and construction solutions are to be explored to minimise impacts to vegetation proposed for retention during construction following AS4970-2009 – Protection of trees on development sites and AS43-73-2007-Pruning of amenity trees. • Locate infrastructure and construction amenities and areas (Access, laydown areas, site offices, parking, fencing, stockpiles and storage) within cleared or disturbed areas, outside of the exclusion zones or vegetation to be retained. • Inclusion of various related subplans • Rehabilitation Management Plan • *Austrostipa nullanulla* Adaptive Management Plan • Stormwater and runoff Management Plan • Soil Erosion and Sediment Control Plan • Biosecurity Management Plan • Waste Management Plan • Research Plan • Rehabilitation Research Plan • Revegetation Research Plan			
	P-4	An *Austrostipa nullanulla* Adaptive Management Plan will be developed to manage and mitigate impacts to known individuals of *A. nullanulla* within the subject Land. Preliminary mitigation measures are listed in section 5.6.9.	Pre construction (Plans updated as required)	Construction Manager, Health, Safety and Environment (HSE) Manager	Low
	P-5	Prepare, implement and audit an Erosion and Sedimentation Control Plan (ESCP) and Stormwater and runoff management plan following the International Erosion Control Association Australasia (IECA). *'Best Practice Erosion and Sediment Control Document'* (IECA, 2008) as part of the CEMP and outlining measures for the prevention of erosion and sedimentation during construction. The ESCP must include: • Suitable measures for erosion prevention including treatment of all bare exposed ground with the adequate crusting agent during extended construction works as soon as practicable upon construction completion. • Planning to minimise risk and manage sedimentation. • Chemical Spill Procedures to manage potential contaminants during construction.	Pre construction (Plans updated as required)	Construction Manager, Health, Safety and Environment (HSE) Manager	Low

Impact	Number	Mitigation Measures	Timing	Responsible Party	Risk of Failure
		Refuelling, chemical storage and maintenance activities are undertaken in designated areas away from environmentally sensitive areas. Containment areas will be designed and managed following relevant regulatory requirements and standards. Include groundwater quality monitoring and management measures. See Figure 86 and Figure 87.			
	P-6	Prepare, implement and audit a Traffic Management Plan for the movement of vehicles within the Subject Land. This Plan must identify mitigation measures and adaptive management actions to mitigate the impacts of increased traffic within the Subject Land. Mitigation measures must include but are not limited to: • Speed Restrictions • Fauna movement devices • Fauna awareness signage • Identification of Fauna hotspots • Speed control devices Vehicle movement exclusions/reductions (reduction of vehicle speed and numbers during dusk and dawn)	Pre construction (Plans updated as required)	Construction Manager, Health, Safety and Environment (HSE) Manager	Low
	P-7	Prepare, implement and audit a Biosecurity management plan (BSMP) as part of BMP, OEMP & CEMP The BSMP must identify site specific mitigation measures to reduce the impacts of weeds, pests and pathogens on native vegetation within the Subject Land. Management measures must include but are not limited to: • Preclearance Weed Census • Targeted annual Weed Species Census • Methods for prevention of introduction and/or spread of weeds, pests and pathogens. • Weeds, pests and pathogens monitoring, management measures and control. • Targeted Monthly Weed surveys in high traffic areas, washdown areas, around water sources and pathways, disturbance roadsides, storage and stockpiles. Locations of surveys to be confirmed after an initial sitewide survey which identifies key areas of concern and included these in the BSMP and VMP. • All plant and machinery present on site and entering the site is certified as weed free • All plant, vehicles, equipment, PPE and clothing must be adequately cleaned and free of weeds, dirt and other materials that may contain weed seeds or pathogens prior to entering and exiting the subject Land. • Appropriate collection and disposal of all weed material to a licensed facility	Pre construction (Plans updated as required)	Construction Manager, Health, Safety and Environment (HSE) Manager	Low

Impact	Number	Mitigation Measures	Timing	Responsible Party	Risk of Failure
		• Ongoing weed management throughout all stages of the development including the operational phase and rehabilitation. • New weed invasions are controlled within 2 weeks of identification • Exclusion fencing installed to mitigate the spread of weeds into adjacent retained vegetation • Monthly Monitoring of adjacent vegetation for weed infestations			
	P-8	Prepare, implement and audit a Waste management plan as part of BMP, OEMP & CEMP The WMP must identify site specific mitigation measures to reduce the impacts of waste generated from increased anthropogenic impacts within the region. Mitigation measures must include but are not limited to; • Identification of waste disposal facilities • Monitoring program • Adaptive management measures Waste management protocols i.e. monthly waste inspection, monthly waste collection etc.	Pre construction (Plans updated as required)	Construction Manager, Health, Safety and Environment (HSE) Manager	Low
General	G-1	All site personnel to attend environmental training as part of the work site induction prior to entering the work site. All personnel will be instructed on their obligations for vegetation clearing protocols, maximum speed limits and biosecurity procedures.	Pre-construction, construction and operation.	Construction Manager, Health, Safety and Environment (HSE) Manager	Low
	G-2	Preparation, implementation, review and planning of management and mitigations actions outlined within the plans identified in Section 5.5.	Pre-construction, construction and operation.	Construction Manager, Health, Safety and Environment (HSE) Manager	Low
Vegetation Clearing, habitat loss and fragmentation	V-1	Minimise the clearing footprint wherever feasible including avoiding/minimising clearing to mapped and ground-truthed Biodiversity Values (Figure 88), threatened species and communities, saline plains, groundwater, watercourses and drainage features and Native Vegetation.	Pre-construction	Project Design Team, Construction Manager, HSE Manager, Qualified Ecologist	Medium
	V-2	Safeguard vegetation clearing boundaries and 'No go Zones' for areas that may support HBT, threatened species breeding, foraging and shelter habitat, active microhabitat features and within proximity of watercourses and saline plains are established with appropriate signage and visible and physical markings. High visibility tape, barricade webbing or similar must be applied. If fencing or flagging	Pre-construction & Construction		Low

Impact	Number	Mitigation Measures	Timing	Responsible Party	Risk of Failure
		is in poor condition, it must be replaced as practical to reduce the potential of accidental disturbance or clearing.			
	V-3	Temporary construction areas will be rehabilitated as soon as possible after the completion of construction and operation works to reconnect fragmented habitats. This will be reflected where appropriate in the VMP and RMP.	Construction	HSE Manager	Medium
	V-4	A qualified fauna spotter catcher must be engaged prior and during any vegetation clearing to ensure that legislative obligations related to protect native fauna are met. The responsibilities of the fauna spotter catcher will ensure that: • Hollows to be inspected prior to clearing using inspecting cameras, work platforms, or other suitable methods. • Clearing only occurs once a spotter/catcher gives sign off that vegetation has been inspected and is clear of native fauna present within the area. • Clearing commence within areas with least connectivity and directs fauna towards retained areas, towards Native Vegetation surrounding the Development Footprint. • Clearing in sequence to ensure adequate time for fauna to find refugia towards retained areas.	Pre-construction & Construction	Construction Manager, HSE Manager, Fauna Spotter Catcher	Low
	V-5	During Vegetation Clearing: • Qualified fauna spotter catcher to be present at all times. • Undertake stage clearing sequences to minimise the amount of clearing in one time • Stockpile cleared vegetation within clearing limits and retained topsoil and vegetation for on-site rehabilitation. • Hollow Bearing Trees to be slow felled to minimise the chances of fauna injury or death and must be inspected by a qualified fauna spotter catcher to confirm no injured wildlife is present.	Construction		Low
	V-6	If works extend outside of the approved impact area, a record is to be created in the incident management provisions, and an investigation will be undertaken as to why works extend outside the approved area.		Construction Manager, HSE Manager	Medium
	V-7	Exclusion fencing along the Linear Corridor Development footprint will include installation of one-way fauna movement devices allowing fauna within the Development Footprint to move out of the Development Footprint. These devices will be installed at 1 km intervals on alternating sides of exclusion fencing along the linear corridor Development Footprint.	Pre-construction, Construction	Construction Manager, HSE Manager	Medium
	N-1	The BMP OEMP and CEMP are required to include measures to monitor and mitigate the air quality, noise and vibration risks associated with the proposed	Pre-construction		Medium

Impact	Number	Mitigation Measures	Timing	Responsible Party	Risk of Failure
		activity in accordance with the *Construction Noise and Vibration Strategy* (Transport for NSW, 2019), Construction Noise Guideline (DECC, 2009), especially in areas with proximity of EECs or threatened species habitat. The BMP and CEMP would include a noise and vibration management plan to provide the framework for managing and mitigating potential construction noise and vibration impacts. Specific and active construction noise and vibration impact statements would detail standard and additional mitigation measures to be implemented based on predicted noise levels.		Construction Manager, HSE Manager	
Noise, light and vibration	N-2	Restrictions of operational and construction work hours to daylight periods. Where night works are required, lights must be directed to minimise light spills into adjacent habitats and to reduce noise and vibration impacts on nocturnal fauna species.	Pre-construction, construction and operation.		
	N-3	Wildlife-friendly lighting must be considered, designed and installed where suitable. For example, light impacts are to be minimised through the use of sensor lighting for low traffic areas and/ or directional lighting for high traffic areas.			
	N-4	Construction vehicles must comply with maintenance schedules and operational restrictions designed to limit noise and light spill impacts during construction and operation phases.			
	N-5	Where vibration levels are predicted to outpace the screening criteria, a more detailed assessment of the structure and vibration monitoring must be undertaken to ensure vibration levels remain below appropriate limits for that structure. See Figure 86 and Figure 87.			
	N-6	Monitoring stations for Noise and vibration are required to be installed within 1.5km of the mine site Development Footprint to monitor impacts on fauna and vegetation. See Figure 86 and Figure 87.			
	N-7	Important fauna habitat within 1.5km of the mine site Development Footprint should be identified prior to construction works. Monitoring of these locations should be undertaken prior to, and during/following activities that result in and increase in noise and vibration i.e. blasting and vegetation clearing. See Figure 86 and Figure 87.			
Increased dust	D-1	The BMP, CEMP and OEMP are required to include monitoring of air quality and dust creation. Monitoring must include stationary monitoring devices placed strategically within and outside the Development Footprint to monitor dust levels. See Figure 86 and Figure 87.	Pre-construction, construction and operation.	Construction Manager, HSE Manager.	High

Impact	Number	Mitigation Measures	Timing	Responsible Party	Risk of Failure
	D-2	Dust suppression devices must be utilised throughout the Development Footprint. These will include but are not limited to; water carts, impermeable membrane covers and sprinkler systems.			
	D-3	Dust suspension monitoring to be carried out within proximity of EECs, internal unsealed access roads and other disturbed areas. Whenever possible engage watering polymer application to limit generation of dust.			
	D-4	All temporary stockpiles are to be covered, stabilised and/or moistened as required to minimise dust generation.			
	D-5	Dust inspections are to be undertaken daily to ensure construction activities are not generating excessive dust near sensitive receivers specified in the CEMP.			
Erosion and Sedimentation, hydrology and Environmental spills	E-1	All drainage and hydrological features to comply with accepted development requirements for operational work. These standards will be clearly outlined in the CEMP.	Pre-construction, construction.	Construction Manager, HSE Manager.	Low
	E-2	Monitoring soil and groundwater salinity. The most salt tolerant species *Tecticornia pergranulata* subsp. *pergranulata*, which is an indicator species for PCT 64, is not likely to be able to utilise groundwater with such extreme salinity levels of 61 g/l (10,167 mS/m). Groundwater within the Assessment Area is likewise too saline to support other, less salinity tolerant plant community types, such as Groundwater Dependent Ecosystems (GDEs).			Low
	E-3	Monitoring of Vegetation Integrity Plots within PCT 154 and PCT 64 outside of the Development Footprint to identify impacts of hydrological changes within the region. See Figure 86 and Figure 87.	Pre-construction, construction, operation and rehabilitation	Site Environmental officer,	Low
Fauna Injury and Mortality	F-1	Prepare, implement and audit a Traffic Management Plan that outlines the current and expected flow of vehicle (and pedestrian) movements and identifies potential collision points for terrestrial fauna along the Development Footprint – Linear Corridor.	Pre-construction, construction.	Construction Manager.	Low
	F-2	Speed limits on arterial roads and on/off ramps with appropriate signage. It is recommended vehicles maintain a designated speed limit of 80 km/hr or lower along arterial roads and on/off ramps within the Proposed Development Footprint.	Construction and operation.	Construction Manager.	High
	F-3	Vehicle operations to be limited during dawn and dusk periods to avoid fauna collision with nocturnal animals while visibility is impaired. Where operations must be conducted, vehicle speeds are to be reduced by at least 50% to increase response time to potential fauna collisions.			Medium

Impact	Number	Mitigation Measures	Timing	Responsible Party	Risk of Failure
	F-4	Vehicle access exclusion fencing to be established around cleared areas in locations of known threatened fauna habitat, or activity to prevent wildlife from returning to work areas.			Medium
	F-5	Install fauna awareness signage in locations along access tracks where native fauna are likely to cross. See Figure 86 and Figure 87.			Low
	F-7	Rehabilitation of temporary construction areas is to be undertaken sequentially and as soon as practicable after clearing. If areas cannot be rehabilitated, temporary fencing is to be erected to avoid fauna injury/mortality.	Pre-construction, Constructions, Operation, Rehabilitation	Construction Manager, HSE Manager.	Medium
	F-8	Install temporary fencing around deep trenches where fauna has the potential to be entrapped.	Pre-construction, construction.	Construction Manager, HSE Manager	Low
	F-9	It is recommended that the boundary of the Development Footprint is fenced to exclude fauna from the within Development Footprint. It is also recommended that Fauna exclusion fencing must: • be of a suitable height to exclude all local fauna • be dug into the ground to prevent burrowing fauna from entering the Development Footprint • contain minimal barbed wire • not include 90^{O} corners to reduce injury to fauna • gaps, entry and exit points in exclusion fencing should include “wings” to guide fauna away from the entrance and fauna deterrent sirens to reduce the potential movement of fauna into the Development Footprint • include the installation of one-way fauna movement devices allowing fauna within the linear corridor Development Footprint to move out of the Development Footprint. These devices must be installed on alternating sides at 1 km intervals along exclusion fencing for the linear corridor Development Footprint.	Installation (Pre-construction and Construction) Maintenance and monitoring (Construction, Operation and Rehabilitation)	Construction Manager, HSE Manager, Site Enviro	Low
Introduction and spread of weeds, pests and pathogens	W-1	Prepare implement and audit a Biosecurity Management Plan. All reasonable and practical measures must be considered to minimise the risks and threats associated with weeds, pests and pathogens. Mitigation measures may include but are not limited to: • Designated washdown facilities • Designated Boot scrub stations	Pre-construction, construction.	Construction Manager, HSE Manager	Medium

Impact	Number	Mitigation Measures	Timing	Responsible Party	Risk of Failure
		• Weed and seed certification of machinery, equipment and vehicles entering the Subject Land • All vehicles, machinery and equipment are to be free of all weed seed, debris and soil prior to entering and exiting the Subject Land • Designated parking areas for vehicles and machinery • Installation of cattlegrids to reduce the spread of soil, mud and debris from vehicles entering and exiting the Subject Land • Ongoing Weed and Pest management within the Subject Land and Development Footprint. • Annual weed census monitoring • Monthly weed census monitoring of infested areas, dispersal pathways and disturbed areas. • Installation of exclusion fencing along the boundary of the Development Footprint to prevent works from entering and impacting adjacent retained vegetation. • Treatment of new weed infestations within 2 weeks of identification and prior to seeding • Appropriate collection, storage and disposal of weed materials to a licensed facility.			
	W-2	Commence a pre-clearance weed census and reporting displaying the requirements for treatment and management actions, which are to be implemented and reported in accordance with the OEMP, CEMP, BSMP, BMP and VMP.	Pre-construction, construction.		
	W-3	Install and maintain appropriately designed exclusion fencing around the Development Footprint to prevent access by herbivores (kangaroos, goats, rabbits) and other feral grazers, protecting vegetation from browsing and grazing impacts.	Pre-construction, construction	Construction Manager, HSE Manager	Medium
	W-4	Establish additional protective fencing around areas of suitable habitat for *Austrostipa nullanulla* and all rehabilitated sections within the Development Footprint to safeguard regenerating vegetation from herbivore disturbance.			
	W-5	Removal of Goats from the Development footprint and Subject Land in accordance with the methodologies outlined within the Biosecurity Management Plan (BSMP) (i.e. Trapping and ground shooting).			
Anthropogenic impacts	A-1	Mitigation measures and monitoring rubbish dumping is to be promoted, implemented and audited as part of the Biodiversity Management Plan.	Pre-construction.		Low

Impact	Number	Mitigation Measures	Timing	Responsible Party	Risk of Failure
	A-2	Suitable waste disposal facilities will be provided as part of the development implementation and audit of the Waste Management Plan, associated with CEMP and OEMP where information related to when and how waste must be stored and routinely transported off-site to waste disposal facilities within the LGA.	Pre-construction, construction.	Construction Manager, HSE Manager	
	A-3	Rocks, fallen timber and logs must remain on site and the wood collection for fire camps must not be permitted.	Construction, operation.	Construction Manager, HSE Manager	Medium

Table 61: Vegetation Clearing, habitat loss and fragmentation

Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
1. Pre-Clearance, Clearance and habitat loss	• Records of potential suitable habitat features such as Hollow Bearing Trees (HBT), stick nests, rocky outcrops, decorticating bark etc. • Pre-clearance survey throughout entire Subject Land to identify, record/flag habitat features and identify threatened	• Local seasonal and climate, migratory patterns and environmental conditions may influence presence and movement of fauna within the site. • Clearing of hollow-bearing trees should occur outside the Pink Cockatoo breeding season (breeding season is August to November,	• Methodical Inspection & recording of all habitat features prior to clearing is crucial to prevention of habitat loss, fauna injuries and fatalities. • Habitat features physically marked with flagging tape, and GPS co-ordinates were noted to record the locations of habitat features.	• Identify and record potential suitable habitat and/or instances of fauna presence. • Habitat features identified must be recorded, marked and factored into relocation plan.	• Preclearance inspection habitat and Fauna records to guide clearance activities. • Suitable qualified/experienced professional spotter/catcher present to monitor and manage fauna interactions during the clearing activities. • Removal of habitat features and relocation to a designated holding area for later placement into suitable adjacent/nearby bushland or conservation area.	• Location of potential suitable habitat recorded. • New location of relocated potential suitable habitat determined and recorded	• All potential suitable habitat identified, recorded and relocated in to suitable adjacent/nearby bushland or conservation area.

Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
	• fauna and flora present • Report containing results of preclearance survey to be prepared and used to guide clearance activities.	plus two-weeks either side to allow for environmental conditions).	• Stag watching of specific hollow-bearing trees for two days prior to clearing to ensure no active breeding nests will be disturbed.		• Where impact levels have been exceeded initiate investigation. • Prepare short report outlining the investigation into the impacts.		
2. Fragmentation	• Mapped retained remnant native vegetation patches which provide potential suitable habitat.	• Local seasonal and climate, migratory patterns and environmental conditions may influence presence and movement of fauna within the site.	• Biannually analysis of mapped retained remnant native vegetation patches	• Any reduction in mapped retained remnant native vegetation patch area.	• Inclusion of fragmentation avoidance and reduction in VMP. • Planned revegetation in areas considered to reduce fragmentation.	• Mapping, analysis and on-ground inspections included in annual/biannual monitoring plan.	• Success of prior revegetation to guide application of management to areas considered for defragmentation.

Table 62: Noise, light and vibration

Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
1. Noise, Light and Vibration	• Noise, light and vibration data has been	• Seasonal weather patterns will	• A data gathering project has	• Trigger values for light spill, vibration and	• Wherever a trigger value has been exceeded for	• Use of baseline data to compare	• Regular monitoring of noise, light,

Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
	collected by RZ Resources at multiple monitoring stations located across the Subject Land since July 2024 • This data will continue to be built upon. • See Figure 86 and Figure 87.	impact each of the metrics recorded and monitored. • Wind speed and direction, cloud cover, rainfall intensity and duration. • See Figure 86 and Figure 87.	been in effect since RZ installed monitoring stations across the Subject Land in July 2024. • Daily reports containing hourly values are received. • See Figure 86 and Figure 87.	noise will be in line with mine site specific regulations and industry standards.	noise, light or vibration, the project manager will initiate investigation/report and management actions outlined in the appropriate adaptive management plan. • Actions include review of shift activities roster, inclusion of proposed reductions in site prestart meetings. • Prepare a short report outlining the investigation into the changes	pre-approval values with post-approval activities and known periods where triggers are reached.	vibration data to ensure mine activity does not exceed triggers. • Consistent notifications where noise, light, vibration trigger events occur, so operators are aware and can modify activities in line with noise, light, vibration regulations.

Table 63: Increased dust

Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
1. Dust pollution	• Dust data collected by RZ Resources since July 2024	• Seasonal weather patterns will impact the dust metric	• A data gathering project has been in effect since RZ installed	• Trigger values for dust generation will be in line with mine site specific	• Wherever a trigger value has been exceeded for dust, the project manager will initiate	• Use of baseline data to compare pre-approval values with post-approval	• Regular monitoring of dust data to ensure mine

Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
	• This data will continue to be built upon • See Figure 86 and Figure 87.	recorded and monitored. • Wind speed and direction, rainfall intensity and duration.	monitoring stations across the Subject Land in July 2024. • Daily reports containing hourly values are received. • See Figure 86 and Figure 87.	regulations and industry standards.	investigation/report and management actions outlined in the appropriate adaptive management plan. • Actions include dust suppression tanker watering, review of shift activities roster, inclusion of proposed reductions in site prestart meetings. • Prepare a short report outlining the investigation into the changes	activities and known periods where triggers are reached.	activity does not exceed triggers. • Consistent notifications where dust value trigger events occur, so operators are aware and can modify activities in line with dust regulations.

Table 64: Erosion and Sedimentation, hydrology and Environmental spills

Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
1. Erosion & Sedimentation	• Relevant PCT VI plot assessments undertaken during 'average' and/or 'dry' benchmark	• Seasonal rainfall will determine benchmarks against which VI plot scores	• Annual VI plot monitoring throughout relevant PCTs where risk of erosion is elevated.	• If VI plot scores fall below the baseline for 2 consecutive years. • Greater than 20% change in	• Engage Geologist and hydrologist to investigate remediation actions.	• VI plot ground cover and leaf litter cover score trends • Sedimentation trends	• Results of investigations into the causes of relevant VI plot value declines and sedimentation changes will be

Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
	conditions for ground cover, leaf litter and exposed/bare earth	will be compared • Soil erosion and sedimentation monitoring must be undertaken following high rainfall events • See Figure 86 and Figure 87.	• Erosion control Performance Criteria will be detailed within a Rehabilitation Management Plan. Continued failure to achieve erosion Key Performance Indicators in the same area may require additional alternative control measures detailed within the Adaptive Management Biodiversity Strategy BMP • See Figure 86 and Figure 87.	sedimentation baseline levels after rainfall. • Sheet erosion – Minor: Shallow soil deposits downslope, Moderate: Partial exposure of roots; moderate soil deposits downslope, Severe: Loss of surface horizon; subsoil exposure; root exposure; substantial soil deposits downslope. • Rill/Gully Erosion – Minor: <15 Rills and <0.3m deep, Moderate: 15-30 rills and <0.3m deep, Severe: >30 rills and / or any >0.3m deep. • Annual rate of decline (ARD) for PCT 154 is identified to be twice baseline ARD • Recorded VI of PCT 64 falls below 75% of baseline VI	• Increase monitoring to monthly to determine trends in sedimentation • Application of measures such as sediment fencing, direct seeding, hydro mulching, placing tree logs and brush matting across cleared areas. • Erosion infilling is to be undertaken by the placement of gravel and or clean sand via manual application. • Prepare a report outlining the investigation into the changes		used to inform ongoing management
2. Hydrology and	• Establish hydrology	• Effects of seasonal	• Monitoring methods are to	• Any hydrological or environmental	• Initiate emergency	• Water and soil quality –	• Results of investigations

Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
Environmental spills	baseline through water sampling of Salt Lakes prior to impacts where achievable. • Outlined within the Copi Mineral Sands Project Groundwater Impact Assessment • Establish Vegetation Integrity Plots within PCT 64 and 154 outside of the Development Footprint	rainfall must be considered.	follow those outline in the Copi Mineral Sands Project Groundwater Impact Assessment. • Monitoring will occur at increased frequency during actions that pose a risk of spills. • Biannual Vegetation Integrity Plots	spill occurring within the Subject Land. • Extended periods of Inundation of PCT 64 and 154 outside of the Development Footprint. • Annual rate of decline (ARD) for PCT 154 is identified to be twice baseline ARD • Recorded VI of PCT 64 falls below 75% of baseline VI	response including identify source and nature of hazard, PPE and site-wide protection protocols, set up a perimeter, stop/contain spill at source, • Minimise impacts, properly dispose of hazard source and cleanup contaminant – decontaminate and rehabilitate if required • If the situation escalates, external emergency responders may be required and seek medical attention if required. • Investigate incidents and increased soil and water monitoring at high risk areas • Prepare a report outlining the investigation into the changes • Collection of pooled water	organic and inorganic compounds, sedimentation etc. • Groundwater quality trends	will outline ongoing management actions and determine if further mitigation measures are required to be implemented

Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
					within PCT64 and 154 to be utilised within the Development footprint for dust suppression. • Increase monitoring frequency to every 3 months to monitor VI trends. • Retirement of Credits identified in BDAR Section 5.4.4 for PCT 154 • Calculate credit requirements for PCT 64 residual impacts if VI continues to decline despite adaptive management actions		

Table 65: Fauna Injury and Mortality

Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
1. Fauna welfare	• Data from the traffic management	• Local seasonal and climate, migratory patterns and	• Remote cameras will record traffic activity levels	• Excessive fauna strikes	• Reporting occurrences of vehicle strike within Subject	• Records of vehicle strike, roadkill for all fauna,	• Results of investigations analysed and applied to traffic

Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
	plan outlines the current and expected flow of vehicle (and pedestrian) movements and identifies potential collision points for terrestrial fauna along the Development Footprint – Linear Corridor. • See Figure 86 and Figure 87.	environmental conditions may influence presence and movement of fauna within the site. • Clearing of hollow-bearing trees should occur outside the Pink Cockatoo breeding season (breeding season is August to November, plus two-weeks either side to allow for environmental conditions).	and reported daily. • All stages of the project. • Mandatory reporting for vehicle strikes • Stag watching of specific hollow-bearing trees for two days prior to clearing to ensure no active breeding nests will be disturbed.	• Excessive disruption of fauna movements	Land and investigation of incidents. • Reduce traffic movements and speed limits on the Development Footprint - Linear Corridor to 40 km/h during dawn and dusk periods, where animal activity is likely to occur. • Speed limits on arterial roads and on/off ramps with appropriate signage. Vehicles must maintain a designated speed limit of 80 km/hr or lower along arterial roads and on/off ramps within the Proposed Development Footprint. • Vehicle access exclusion fencing to be established around cleared areas in locations of known threatened fauna habitat, or activity to prevent wildlife from	including native and exotic mammals, reptiles, birds, and amphibians.	management plan.

Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
					returning to work areas. • Install fauna awareness signage in locations along access tracks where native terrestrial fauna is likely to cross and where higher density of HBTs and occurrences of Pink Cockatoos have been recorded. • See Figure 86 and Figure 87. • Installation of high visibility Variable Message Signs to alert vehicles of recent fauna interactions. • Rehabilitation of temporary construction areas is to be undertaken sequentially and as soon as practicable after clearing. If they cannot be rehabilitation, temporary fencing is to be erected to avoid		

Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
					fauna injury/mortality. • Install temporary fencing around deep trenches where fauna has the potential to become trapped. • Installation of additional one way fauna movement devices		

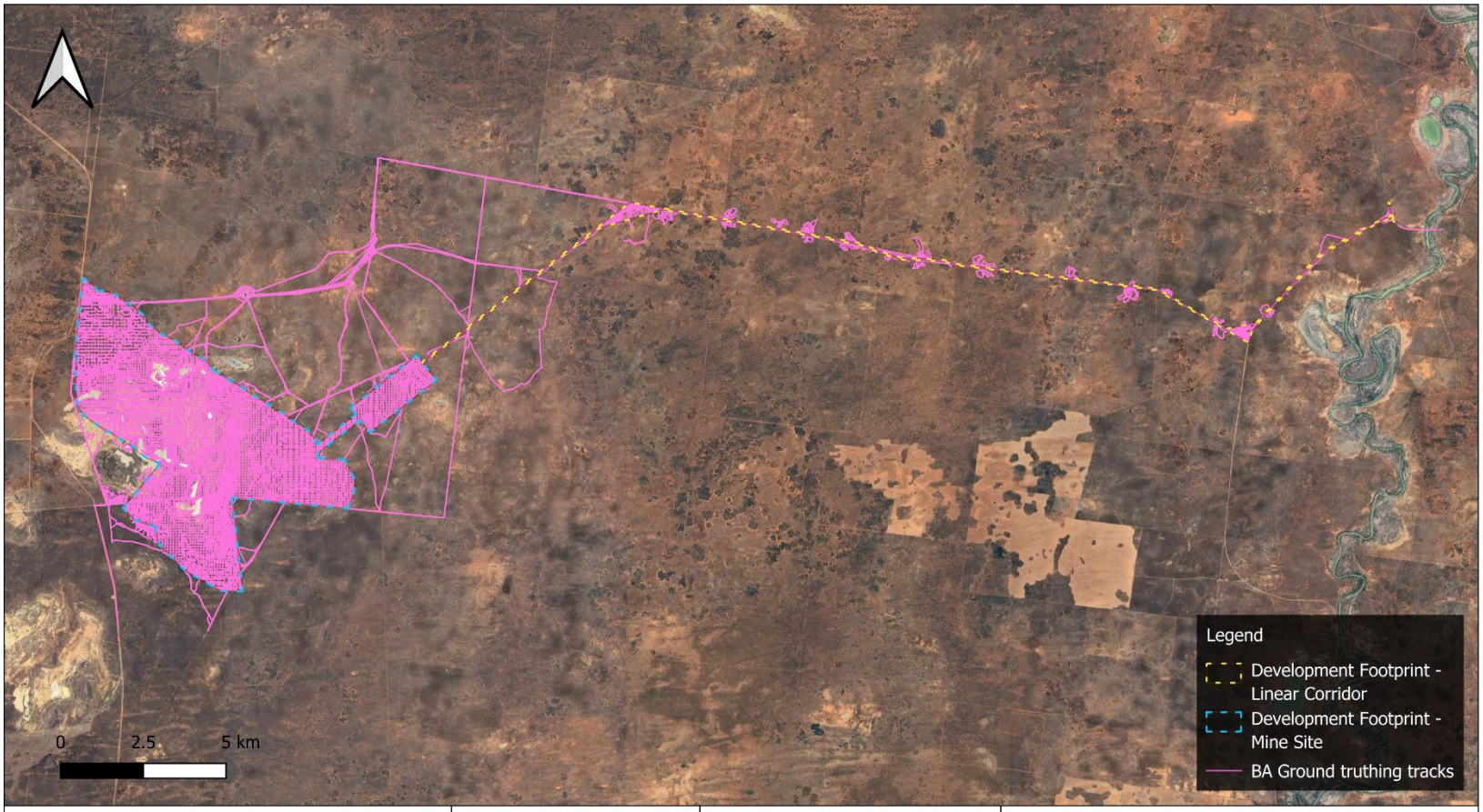
Table 66: Introduction and spread of weeds, pests and pathogens

Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
1. Weeds and pathogens	• Various PCT VI plot assessments undertaken during average and dry benchmark conditions, within appropriate high risk areas. • Levels of die-off, dieback, weed infestations, and plant	• Seasonal rainfall will determine benchmarks against which VI scores will be compared • Seasonal rainfall and temperature	• Annual VI monitoring throughout PCTs within appropriate high risk areas. • Plant disease/pathogen inspection. • Annual Targeted Weed census	• If a significant increase (>20%) in weed cover or weed species richness occurs. • If VI plot scores fall below the baseline for 2 consecutive years.	• Preparation of a Weed eradication plan and/or a Weed Management Plan. • Vehicle washdown/disinfectant stations at site entry points. • Soil erosion and sediment control measures	• VI score trend report data • Plant disease / pathogen, die-off, dieback, impacts report data.	• Results of investigations will outline ongoing management actions and determine if further mitigation measures are required to be implemented

Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
	disease/pathogen impacts. • Targeted Baseline Weed Census • See Figure 86 and Figure 87.		• Monthly targeted Weed monitoring of high traffic areas, washdown areas, roadsides, water sources, dispersal pathway. Locations of surveys to be confirmed after an initial sitewide survey which identifies key areas of concern and included these in the VMP. • See Figure 86 and Figure 87.	• Instances of plant disease/pathogen impacts. • The Biosecurity Management plan will include key trigger points for the control of identified weed species present within the Subject Land • New infestations of weed species • Presence of weed reproductive material	• Ongoing Weed management throughout the project lifecycle • Treatment of new infestation within 2 weeks of identification • Weed reproductive material is to be manually collect and disposed of appropriately.	• Initial weed species consensus	• Results of the weed census will identify key triggers and management actions required to be undertaken to effectively control weed species within the Development Footprint.
2. Pest management	• Pest population surveys to be conducted to estimate population numbers	• Seasonal rainfall • Seasonal resources	• Annual PIR camera monitoring • Annual Ground shooting reports • Annual Trapping reports • Annual VI monitoring • Annual Fauna surveys • See Figure 86 and Figure 87.	• No reduction or an increase in estimated pest population • No reduction in number of animals captured or shot. • If VI plot scores fall below the baseline for 2 consecutive years. • Evidence of herbivory in exclusion areas	• Increase frequency of pest management actions • Exclusion fence inspection • Maintenance/Repair of exclusion fence	• Estimation of Pest population • Number of pests captured • Number of pests shot	• Results of conducted monitoring will determine the success of pest management. • Results will indicate if further intervention is required

Table 67: Anthropogenic impacts

Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
1.Human caused impacts	• Establish a baseline through site condition inspection/assessments undertaken at all relevant areas of the Subject Land prior to commencing development. • Data from the site-wide fencing, signage and remote camera condition, function and maintenance report.	• Monitoring of the Subject Land identifies greater than 20% change in parameters	• Quarterly monitoring and reporting of site condition / rubbish levels, fence and camera function.	• Occurrences of rubbish detected • Fences, signage and cameras are not functioning	• Occurrences of rubbish within and around the Subject Land are detected; monitoring is increased and a report prepared. • Rubbish collection and removal implemented. • Fences, signage and cameras inspected and repaired where needed.	• Data from the Quarterly report assessing fencing, signage and remote camera condition and function	• Results of investigations and quarterly report will outline ongoing management actions and determine if further mitigation measures are required to be implemented



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Ground truthing transects - Development Footprint	Biodiversity AUSTRALIA	
	Drawn by: NE	Location: Warwick Station		
	Date: November 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54 Scale: 1:150000

Figure 88: Ground-truthing transects - Development Footprint Impact Summary

5.6 Assessment of Serious and Irreversible Impacts (SAII)

5.6.1 Identification of SAII Entities

Section 6.5 of the BC Act requires developments to consider SAII on threatened species and ecological communities which meet one or more of the following criteria:

- Principle 1 - Evidence of rapid rate of decline (clause 6.7(2)(a) BC Regulation);
- Principle 2 - Evidence of small population size (clause 6.7(2)(b) BC Regulation);
- Principle 3 - Evidence of limited geographic distribution (clause 6.7(2)(c) BC Regulation); and/or,
- Principle 4 - Evidence that the entity is unlikely to respond to management (clause 6.7(2)(d) BC Regulation).

Section 9.1 of the BAM requires additional impact assessments for entities at risk of SAII.

One SAII entity was recorded on the Subject Land; *Austrostipa nullanulla* (Nulla grass, a spear grass). It has been stated, that *A. nullanulla* meets SAII criteria under one (1) of the four (4) principles, Principle 3, and is thus identified as an entity at risk of an SAII. Application of Principle 3 is required where there are impacts on the habitat of a species or ecological community that is currently observed, estimated, inferred or reasonably suspected to have a very limited geographic distribution.

The SAII Principle 3 generally applies to entities that are listed as Critically Endangered under the BC Act, where the reason for being listed as Critically Endangered is the entity's very restricted geographic distribution. This is reflective of *A. nullanulla*, which is listed as an Endangered species under the BC Act. Species listed as Critically Endangered under the BC Act are considered to have very limited geographic distribution and are generally known to:

- Have an area of occupancy (sensu IUCN 2017) of ≤10 km^2,
- Have an extent of occurrence (sensu IUCN 2017) of ≤100 km^2,
- Have at least two of the following three conditions:
    - Are severely fragmented or only known from one location,
    - Continuing decline, &
    - Extreme fluctuations.
- Inhabit less than or equal to three locations in New South Wales (SAII 2019).

During Biodiversity Australia's surveys *A. nullanulla* and suitable habitat was found to occupy an area of 59.58 ha within the Development Footprint – Mine Site (A.nullanulla report Figure 1, BDAR Figure 89).

The species polygon is in accordance with Section 5.2.5 of the BAM and focuses on statutory obligations without extending beyond the method's scope. The polygon covers the full extent of suitable habitat, defined by the TBDC habitat constraint of "gypsum derived soils associated with salt lakes," regardless of plant presence detection during surveys.

Suitable habitat was identified and mapped through a combination of field-verified potential habitat surveys (conducted in November 2025), satellite imagery (e.g., from sources like Google and NSW Spatial Services), and high-resolution aerial imagery. For the associated PCT 253 (Gypseous shrubland on rises in the semi-arid and arid plains), the polygon now encompasses the full extent of suitable exposed

gypseous soils. For non-associated PCTs (152 and 154), suitable habitat was clarified and mapped by delineating mappable microhabitats (gypsum-rich soils near salt lakes) based on soil profiles, topographic data, and vegetation indicators observed during surveys. No additional non-associated PCTs were identified as suitable.

Austrostipa nullanulla mapped suitable habitat Species Polygon, credit requirements, and a description of mapped individuals are detailed in BDAR Section 5.8 - Species Credits.

Serious and Irreversible Impacts Principle 3 – Very Limited geographic range.

SAII Principle 3 for *A. nullanulla* states it is known from three (3) or less locations and/or an Area of Occupancy less than 10 km^2, or Extent of Occurrence less than 100 km^2. Species with a very limited geographic range are regarded to be at risk of Serious and Irreversible Impacts in accordance with the principle set out at Clause 6.7(2)(c) of the Biodiversity Conservation Regulation 2017. TBDC displays 'Known from <3 locations and/or an AOO <10km^2 or EOO <100 km^2'.

Species that have a very limited geographic range (distribution) are generally known to:

1) have an area of occupancy of ≤10 km^2; and/or

2) have an extent of occurrence of ≤100 km^2; and/or

3) have at least two of the following three conditions:

    a) are severely fragmented or only known from one location;

    b) continuing decline;

    c) extreme fluctuations; and/or

4) inhabit less than or equal to three locations in NSW. A 'location' means a geographically or ecologically distinct area where a single threatening event could rapidly affect all individuals of a species. Where a species is affected by more than one threatening event, location should be defined by considering the most serious plausible threat.

Biodiversity Australia Associate Professor - Dr John Hunter of the University of New England, along with RZ Resources Environmental & Rehabilitation Officer Phil Grant, undertook targeted research investigations into *A. nullanulla* within the Development Footprint and the surrounding area from 13th -20th November 2025. During their field surveys the pair conducted 108 5x5 metre plots and found presence of *A. nullanulla* in all targeted locations at varying densities from sparce to very dense. Dr hunter found that the species is clearly restricted to Gypsum areas, however presence varies depending on the condition of the surface (crusty or powdery) and also on the level of windblown sand deposited, although the perceived effect of this factor varied from site to site. The species occurred on all gypsum deposits regardless of landscape position, and was found in many locations originally thought unlikely, including deposits in the middle of lakebeds, as opposed to the typical predicted areas of dunes and flat terrain on top of rises. In some of the targeted areas the species was recorded in large numbers, with plots containing over 400 tussocks per 5m^2 plot). It is estimated that the total population size in NSW is approximately 30 million individuals. This estimate covers all the areas surveyed, mapped and represented in Dr Hunter's *A. nullanulla* report shapefile. Comprehensive mapping and records of the species is currently being prepared for submission to NSW BioNet, as well as a short communication article featuring methods and results. Dr Hunter has concluded from his field investigations that the habitat and population extent of *Austrostipa nullanulla* is much larger than previously considered.

Further assessment in relation to SAII criteria has been undertaken below.

5.6.2 Background Information

Austrostipa nullanulla is a small, perennial spear grass that grows in tussocks to 0.5 m tall. It is a gypsum-obligate species that is strongly associated with lunettes and rises comprised of gypseous soils. These features are typically found on the margins of relict and salt lakes in arid and semi-arid environments (OEH, 2023). *A. nullanulla* typically flowers in the wet season from December to January but can flower at other times in the year in response to significant rainfall. However, it does not necessarily flower every year. Seed dispersal is facilitated by wind, rain, and flood events (OEH, 2023).

The known distribution of *A. nullanulla* extends horizontally 1,000 km east-west from northwest Victoria to the interior of South Australia, encompassing far southwest NSW and south-east South Australia (Figure 3). The vertical distribution stretches 600 km north-south from the Queensland border to Adelaide (SA Draft Recovery Plan 2012). Prior to Dr Hunter's survey, the total number of mature *A. nullanulla* individuals known to currently occur in Australia is estimated to be 210,000, comprising approximately 200,000 plants in NSW, 10,000 in South Australia, and an additional 1,500 in conservation areas (Towan Plains Flora and Fauna Reserve) within Victoria (TSSC, 2010). The species is listed as Endangered in NSW under the BC Act, Endangered in Victoria (Flora and Fauna Guarantee Act 1988) and as Vulnerable in South Australia (National Parks and Wildlife Act 1972). The species was delisted from the Vulnerable category under the Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act), effective from 19 August 2010 (Comm Listing Advice 2010).

Besides being confined to a soil type with a naturally restricted distribution, the primary threats to *A. nullanulla* are grazing and habitat degradation (OEH, 2023). The plant is palatable to native (e.g. kangaroos) and invasive herbivores (e.g. rabbits), as well as feral and domestic livestock (e.g. sheep and goats). The significant grazing pressure imparted by these species can lead to reductions in density and abundance of *A. nullanulla* and complicate the identification of new populations (heavily grazed tussocks lack diagnostic features). Measures to limit the impacts of grazing include exclusion fencing, the removal of artificial water points, and feral and native herbivore control (OEH 2014; OEH, 2019). Habitat degradation can occur through numerous disturbances such as the construction of rabbit warrens (rabbits preferentially construct warrens in soft gypseous soils), habitat loss (e.g. mining and agriculture), and off-road vehicles (OEH, 2023). These impacts can also be mitigated with exclusion fences, as well as the protection of both potential and realised habitat.

The NSW population of *A. nullanulla* is under management at two (2) stronghold locations: Nulla Station 18 km north-west of Lake Victoria in the state's far southwest; and Nanya Station 100 km due north of Lake Victoria. The Subject Land is positioned between these two (2) management sites, 40 km north of Lake Victoria. Prior to Dr Hunter's surveys, the most recent estimates for the numbers of individuals contained within the two (2) management sites are > 30,000 and 10,000, respectively (OEH, 2019). The source of the contrast between the sum of these figures (> 40,000) and the total estimated to occur in NSW (~ 200,000) appears to be the variability in reported estimates for the number of individuals at Nulla Station. For example, early estimates in 2002 reported a species total figure of 200,000 plants, with 110,000 fenced as part of a Nulla station grazing-protection effort. (DECC NSW, 2002). However, the more recent *Saving our Species* annual report cards suggest a species total figure in excess of 40,000 (OEH, 2019) with 10,000 at Nanya Station and >30,000 at Nulla Station. The recent and more conservative, estimate is likely to be of higher accuracy due to the concerted conservation effort in recent years. Notwithstanding this, it is worth noting that between-year estimates of population change, which suggest stability, have only been qualitatively deduced from comparisons of photographs, and that populations, though not quantified or monitored, occur beyond the two (2) management sites (e.g. on the Subject Land).

Dr Hunter's 2025 survey findings provide solid evidence to support neighbouring landholders reports of the existence of several populations of *A. nullanulla* received in early 2025 (located to the north of Warwick Station). This suggests the occurrence of *A. nullanulla* within the Development Footprint is one of several previously unrecorded populations that currently occur within NSW. It is suggested, the entire NSW EOO stretches from Nunya station 50 km to the north, southeast through Warwick Station and includes populations recorded 20 km to the south of the Development Footprint, south of Nulla Station (Figure 2, BDAR Figure 89). Future surveys to further confirm the presence and extent of *A. nullanulla* will be conducted in the region surrounding the Development Footprint as part of the planned Federation University Masters and PhD student research project, which will be funded by RZ Resources Limited. Findings from the research will add to records and understanding of the species in NSW.

The joint species population, Area of Occupancy and Extent of Occurrence mapping survey conducted in November 2025 by RZ Resources and Biodiversity Australia's Dr John Hunter of *A. nullanulla* in the area surrounding the project Development Footprint estimates an area of 675 ha of potential habitat and a population estimate of approximately 30 million. The study consisted of 108 plots (5 m x 5m) conducted in areas of suitable *A. nullanulla* habitat. See below for extracts of the survey methods and results from Dr Hunter's Survey of Austrostipa nullanulla (Hunter 2025). Full Expert Report located in Appendix A-11.

5.6.3 *A. nullanulla* 2025 Survey Methodology

A survey of known and potential sites containing *Austrostipa nullanulla* was conducted over five days from 14 to 18 November 2025. On each day, a different property was assessed, spanning the likely distribution of the species based on known records and visual assessment of habitat from remote imagery. The first two days were spent at locations within Warwick Station and Nulla Station (including the exclusion plot) where the species had been positively identified These initial surveys were focussed on becoming familiar with the clear identification features of fruiting, non-reproductive and seedling features of the grass.

At each location, a selection of areas appearing to be dominated by gypsum were visited. Randomly placed 5 x 5 m plots were established to assess the number of individuals present. Plots were also randomly placed in areas where it appeared no *Austrostipa nullanulla* were growing at the site. All plots were marked out by the placement of a 20 m length of cordage around four corner pegs, ensuring a consistent 25m^2 was surveyed. All plots were surveyed by the same two (2) staff (JTH & PG) with one staff searching for 'mature' individuals and the other staff searching for newly sprouted seedlings. Random plot placement was intended to avoid bias when assessing population size.

The population estimate for *A. nullanulla* (restricted to the far south-west corner of NSW) was calculated via an extrapolation process. Plot locations were randomly positioned, thus encompassing areas where the species occurs in varied densities, and also where the species is absent. Tussock densities within plots ranged from one per 5 x 5 m plot to 400+ per plot. Samples contributing to the estimated NSW population size were collected from all known mapped locations, across the known distribution of the species. The calculated species count and area covered by all 5 x 5 m plots was then extrapolated onto the mapped Species Polygon area which covers 675 ha of suitable habitat for the species.

Landscape and site-scale population estimates were calculated by considering a range of factors including historic records and notes, on-ground observations at all five (5) survey locations, geomorphology, local knowledge, satellite and aerial imagery and data from recent surveys at Warwick Station for the Copi Mineral Sands Project. At sites where *A. nullanulla* forms extensive stands (e.g., Nulla Station exclosures – areas where both domestic and native animals have been excluded) plots were established across population gradients to refine density estimates and spatial patterns. Stand boundaries and patch extents were mapped using high-accuracy GPS and high-resolution imagery. This data underpins population size estimates for each of the sites and the extrapolation across suitable habitat, contributing to regional and range-wide species abundance estimates.

Mapping of habitat was conducted by visual interpretation of exposed gypsum deposits with reference to locations visited on foot and sampled via plots using ESRI World Imagery (WGS84 - Vantor, Earthstar

Geographics, and the GIS User Community) within ArcGIS pro. Caveats to mapping include both over and under-mapping polygons depending on the nature of the gypsum deposits and the level of surface.

5.6.4 *A. nullanulla* 2025 Survey Results

A total of 108 plots were placed across five properties (Naya Station, Nulla Station, Warwick Station, Bells Grove, and Oakbank) with 11,646 individual tussocks counted. The highest number of individuals within a 5 x 5 m plot was 490 tussocks and 17 plots were found to have no tussocks. The mapping area amounted to an estimated 675 ha Area of Occupancy within NSW, and an Extent of Occurrence of about 120 km north south and 50 km east west (approximate EOO polygon of 2,863 km^2). Based on the plot counts and mapping, it is estimated that the population within NSW could be in the order of 30 million individuals.

Habitat

Austrostipa nullanulla was mostly found on exposed gypsaceous soils most commonly associated with dunes/lunettes of lake beds. However, gilgai-like exposed gypsum within lake beds were also found to have this species present. In a broader context, the habitat was found associated with a number of vegetation types including Mallee (Eucalyptus dominated), Saltbush (Maireana and Tecticornia), Belah (Casuarina pauper), Rosewood (Alectryon oleifolius) and low open shrublands (Roepera and Frankenia). However, more generally these broader vegetation types occur most commonly only as adjacent communities, with *Austrostipa nullanulla* occurring separately as monospecific stands of low sparse grassland. These areas generally had a hard surface with a diverse cryptogamic crust layer. Although described from copi – flour gypsum, *Austrostipa nullanulla* was rarely found on the powdery/flour gypsum which sometimes occurred at the base of lunettes. The in-tact copi is considered to provide suitable habitat for the species, however the loose powdery (like talcum powder) form of copi appears to provide poor unsuitable habitat, and more data is required to confirm or disprove this hypothesis.

Grazing

The only location during the entire survey that had substantial patches of mature and fruiting material was within the exclosures at Nulla Station. In all other visited locations, *Austrostipa nullanulla* was grazed very heavily with only a few individuals escaping grazing, allowing them to grow to full or near full height or were found to be reproductive even when a few centimetres tall.

Additional Threats

Austrostipa nullanulla in most instances was restricted to pure gypsum surfaces and any addition of other soil types over this surface restricted its occurrence. This was not universal and, in some instances, even a depth of silt and sand likely greater than the rooting depth still had tussocks of the species. Based on these observations it is likely that increased deposition of silts and sands over exposed gypsum will reduce the potential suitable habitat for this species.

Due to the harsh conditions of growing on pure gypsum soils, it is likely that weed invasion is generally not a major threat across most of the species' distribution. However, in a few locations *Asphodelus fistulosus* (Onionweed) and *Nicotiana glauca* (Tree Tobacco) were found to be competing well on gypsum and likely reducing tussock occurrence and population sizes.

Rabbits are already listed as a threatening process as they prefer the soft gypsum soils for their burrows. However, more extensive damage was seen to be caused by mechanical ripping of dens. Much larger areas than affected by dens was damaged by this eradication method.

The breaking of gypsum hard surfaces and destroying of cryptogamic crusts by trampling and vehicle traffic can reduce population numbers where this is extensive.

5.6.5 *A. nullanulla* 2025 Survey Discussion

The results presented here indicate that *Austrostipa nullanulla* is highly likely to be a gypsophyte (gypsum specialist). Thus, it is likely that the species has a number of life history and physiological characteristics that enable it to survive within these stressful habitats. Further work should investigate if the species shows similar characteristics as found in other gypsophytes, including accumulation of sulphur, calcium, magnesium, and oxalate crystals and if this may affect palatability to grazers. During the survey, *Austrostipa nullanulla* individuals commonly exhibited green shoots where other Austrostipa species did not, indicating that it may, like other gypsophytes, access crystallised water, enabling it to persist through dry periods. As with other gypsophytes, experiments conducted by Phil Grant showed that *Austrostipa nullanulla* was able to grow on a variety of soil types (Cera *et al.* 2021) other than gypsum. This may indicate that there is not a fundamental edaphic reason the species is restricted to exposed gypsum, and lack of competition on these specialist soils may be a major reason for why this species is highly restricted.

While a number of vegetation community types have been described that include *Austrostipa nullanulla,* it was our observation that in most instances this species grows as monospecific stands adjacent to, or as patches within these types, rather than an integrated part/subcomponent. As with other examples globally, these gypsum lunettes/dunes and outcroppings were associated with a significant and diverse cryptogamic crust that may be a key component in helping *Austrostipa nullanulla* persist on these soils (Escudero *et al.* 2015).

Current population estimates indicate that around 200,000 tussocks are known. However, this estimate is largely based on the population at Nulla Station of which 110,000 is thought to be within the exclusion plots alone. However, more recently collections of the species has occurred beyond Nulla Station within NSW. Based on our survey and plot counts it is likely that the species population size in NSW alone (not including SA or Victoria populations) is an order of magnitude larger and may be up to approximately 30 million individuals, spanning an EOO area 6,000 km^2 in size (120 km north-south and 50 km east-west), with an AOO (potential habitat) estimated as 6.75 km^2 (675 ha) located within the NSW EOO. This is likely to affect the current conservation status as Endangered within the *Biodiversity Conservation Act 2016*.

Listed threats to the species include rabbit warrens, mining, agricultural cultivation, natural restriction to a specific habitat, increased watering points, and grazing (native and non-native animals). As the species was still found to exist in heavily grazed areas, grazing alone is unlikely to directly cause widespread extinction. However, grazing would substantially reduce the amount of seed being produced, particularly in poor/dry seasons. The combination of grazing and drought over a 3 year period would pose a threat to this species. Only in seasons where rainfall is well above average might there be enough biomass growth to allow for more substantial reproductive output. This could be an issue if the seed bank only lasts three to five years. A prolonged drought lasting at least three to five years in combination with heavy grazing pressure could cause a substantial reduction in the species' ability to persist. Other threats noted during the investigation include windblown soil deposition (overgrazed landscapes) covering exposed gypsum, weed invasion specifically by *Asphodelus fistulosus* and *Nicotiana glauca*, warren ripping, and physical trampling and vehicle tracks.

5.6.6 Assessment of *A. nullanulla* 2025 survey results against SAII Principle 3 Criteria

1. Area of Occupancy (AOO)(Ha)

Area of suitable habitat currently occupied by a species within its 'Extent of Occurrence.' This area is measured by species presence in 2 km x 2 km grids. A species will generally not occur throughout the entire area of its Extent of Occurrence due to unsuitable or unoccupied habitats. For migratory species, AOO is either the breeding area or over-wintering area, whichever is smaller. Where a range or minimum estimate (shown as '>') is displayed, use the lowest value. Where a maximum estimate (shown as '<') is displayed, data is of low confidence. If no other information source(s) is available use the value but ensure low confidence is reported in the BDAR or BCAR. Where evidence demonstrates that the data is inaccurate, provide source and data to DPIE (via BAM support mailbox). These should also be included in the BDAR or BCAR. AOO <10k m^2.

The Survey of *Austrostipa nullanulla* (Hunter 2025) estimates the AOO of *A. nullanulla* within NSW is currently 6.7 km^2 (675 ha). This is smaller than the criteria metric of 10km^2. On a broader national scale, across NSW, Victoria and South Australia, the AOO is estimated at over 10 km^2.

2. Extent of Occurrence (EOO)(ha)

The spatial spread of a species to determine the degree to which risks from threatening factors could impact an entire population. It is not intended to be an estimate of the amount of occupied or potential habitat. The EEO is the area contained within the smallest polygon that can be drawn to encompass all known, inferred or projected areas of the population (but excludes records classified as vagrant) and does not exclude any areas, discontinuities, disjunctions regardless of whether the species can occur in these areas or not. Where a range or minimum estimate (shown as '>') is displayed, use the lowest value. Where a maximum estimate (shown as '<') is displayed, data is of low confidence. If no other information source(s) is available use the value but ensure low confidence is reported in the BDAR or BCAR. Where evidence demonstrates that the data is inaccurate, provide source and data to DPIE (via BAM support mailbox). These should also be included in the BDAR or BCAR. EOO <100 km^2.

The Survey of *Austrostipa nullanulla* (Hunter 2025) estimates the EOO of *A. nullanulla* as a 3,000 km triangular area shown in BDAR Figure 90 (Addendum Figure 2). The overall area extends 120 km north-south and 50 km east-west to cover a square-shaped area 6,000km^2 in size. This area is larger than the criteria metric of 100 km^2. On a broader national scale, across NSW, Victoria and South Australia, the EOO is estimated at over 60,000 km^2.

3. Number of Threat-defined locations

The number of geographically or ecologically distinct areas that a single threatening event could rapidly affect the whole population present. The size of the location depends on the area covered by the threatening event, and where a species is affected by more than one threatening event, location should be defined by considering the most serious plausible threat.

The Survey of *Austrostipa nullanulla* (Hunter 2025) estimates five (5) large disjunct locations in NSW alone, with a more refined estimate of 15-30 smaller disjunct locations across the range. This finding does not align with the criteria conditions of 'are severely fragmented or only known from one location:

(b) continuing decline;
(c) extreme fluctuations.

On a national scale, it is estimated that 35 disjunct populations occur at separate locations across NSW, Victoria and South Australia.

4. Extreme fluctuations in number

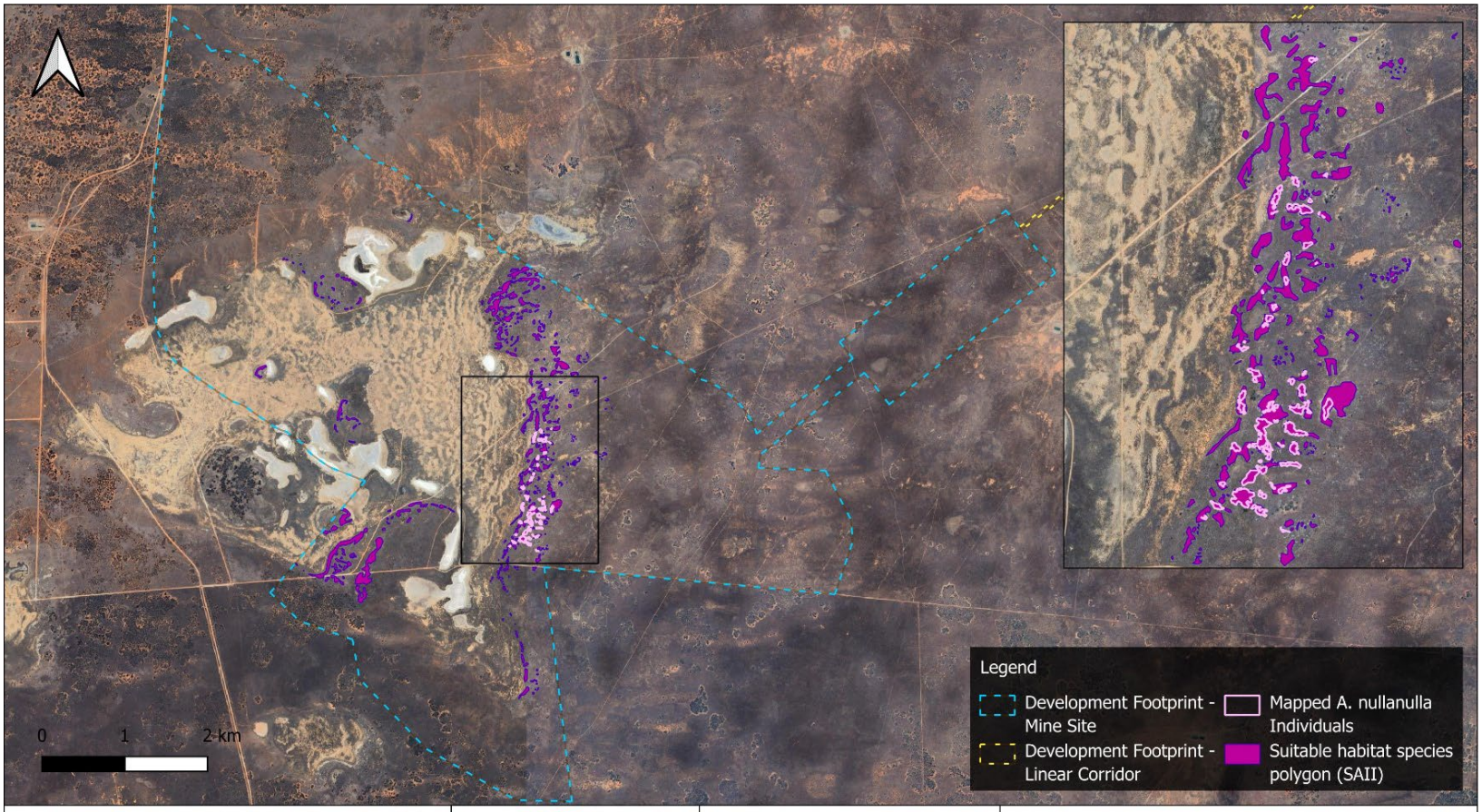
Where population size or distribution area varies widely, rapidly and frequently, and typically with a variation greater than one order of magnitude (i.e., a tenfold increase or decrease). Populations that undergo extreme fluctuations are likely to have highly variable growth rates and are therefore exposed to higher extinction risks.

The Survey of *Austrostipa nullanulla* (Hunter 2025) found that between 5-30 disjunct populations of varying sizes occur at locations spread over a 6,000 km^2 area in NSW alone. Although not enough is known about this species, there is no data to suggest extreme fluctuations in numbers, and populations are thought to be stable. On a broader national scale, it is estimated that the 35 disjunct locations occur across an area of 60,000 km within NSW, Victoria and South Australia.

In addition, *A. nullanulla* in known to occur in at least two (2) locations in South Australia on the Eyre Peninsula (including Lake Gillies Conservation Reserve) and has also been recorded in the north of the state, particularly on the margins of the many lakes across the state. The species is also known from at least three (3) locations in Victoria including Towan Plains Flora and Fauna Reserve, Murray-Sunset National Park and on the Raak Plain.

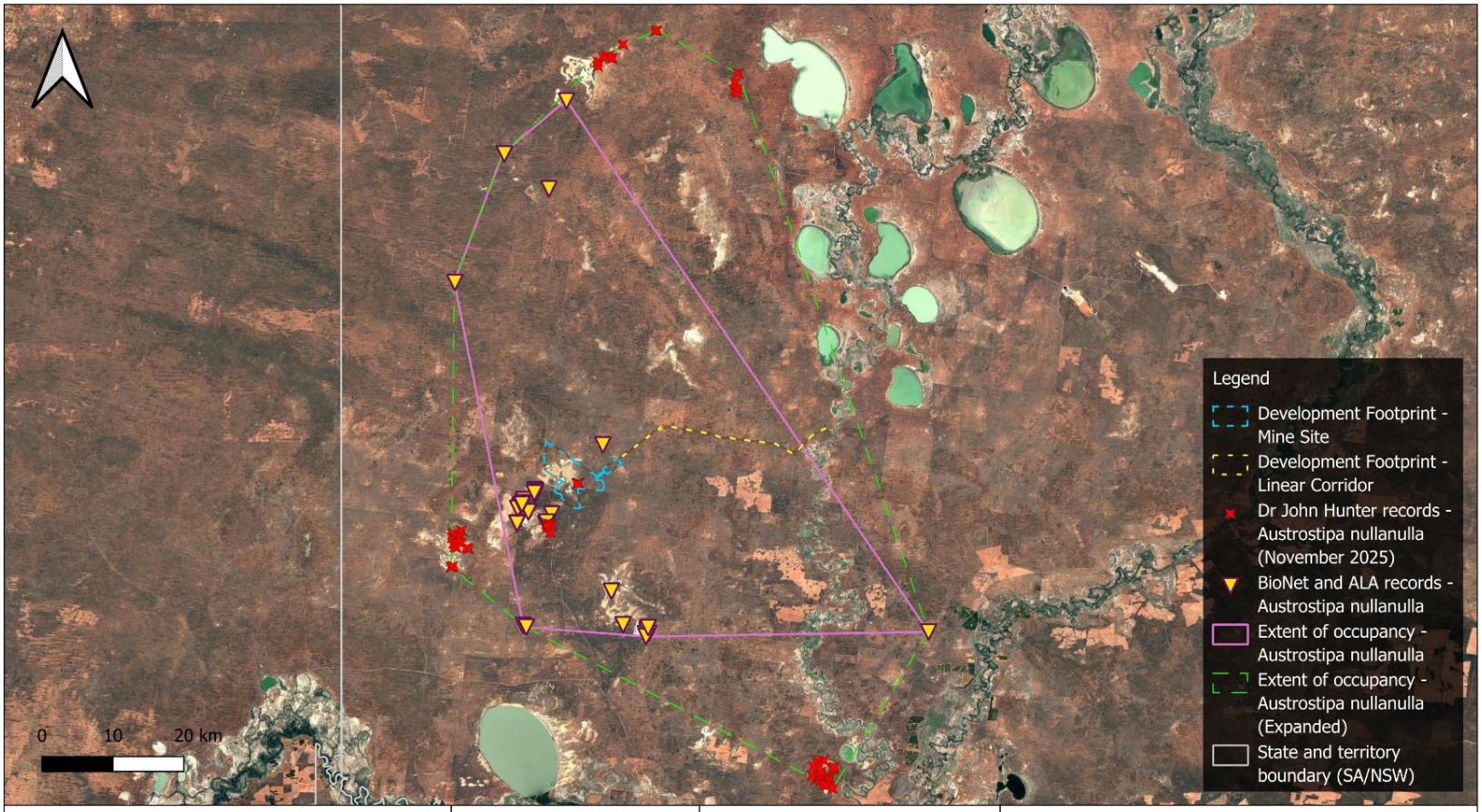
Figure 89 of the BDAR (Addendum Figure 1) Shows the mapped extent of *A. nullanulla* within the Development Footprint. Figure 90 (Addendum Figure 2) shows the expanded EOO within NSW. Both figures were created with data collected as part of the fieldwork for Dr John Hunter's Survey of *Austrostipa nullanulla* report (Hunter 2025).

It is recognised that this species requires further effort to fully determine its EOO in NSW.



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: SAII Impacts - All Species Polygons - Development Footporint - Mine site	Biodiversity AUSTRALIA
	Drawn by: NE	Location: Warwick Station	
	Date: November 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872
			Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:60000

Figure 89: SAII Impacts for *Austrostipa nullanulla*



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.

Project Manager: NC	Figure Name: Extent of Occupancy Austrostipa nullanulla NSW	Biodiversity AUSTRALIA	
Drawn by: NE	Location: Warwick Station		
Date: November 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:700000

Figure 90: Extent of Occupancy *Austrostipa nullanulla* NSW



Figure 91: Federal distribution of *A. nullanulla*, across numerous locations in NSW, Victoria and SA (source: Atlas of Living Australia, 2026).

5.6.7 Evaluation of Serious and Irreversible Impact

Austrostipa nullanulla is assessed under the criteria for Principle 3: *evidence of limited geographic range.* In NSW, *A. nullanulla* is reportedly known only from two (2) locations: Nulla Station and Nanya Station (OEH, 2019; DCCEEW, 2023). These stations are 85 km apart, with the Subject Land positioned directly between. Data from the Atlas of Living Australia (ALA, retrieved from www.ala.org.au) shows a concentration of records near the salt pans 10 km south-west of the Subject Land, suggesting that the Subject Land is part of a third location. This corresponds with the TBDC justification for the inclusion of SAII entities under Principle 3, which requires that an entity is known from three (3) or fewer locations (retrieved from BioNet Atlas). Further included in the justification are criteria that an entity has an AOO less than 10 km^2 and/or an EOO of less than 100 km^2. As AOO and EOO data are not currently available on BioNet Atlas, Bio. Aust. created an EOO polygon for the NSW population of *A. nullanulla* using records from ALA, the EnviroKey BDAR, and this BDAR. The EOO encompassing all these records (i.e. NSW EOO) was calculated to be 272,693 ha or 2,726.93 km^2 (exceeding the SAII criteria of < 100km^2). Insufficient data are available to calculate the AOO of *A. nullanulla.*

Nevertheless, *A. nullanulla* qualifies as an SAII entity due to the few locations in NSW with records of the species.

The NSW BioNet states *A. nullanulla* has a 'Very High Sensitivity to Loss' associated with clearing due to its limited geographic distribution and a 'Very High' level of biodiversity concern. The NSW BioNet also states that *A. nullanulla* has a 'High Sensitivity to Gain' because of its ability to respond positively to management and colonise improved habitat. The threats faced by *A. nullanulla*, such as grazing and habitat degradation, can be readily controlled through exclusion fencing and habitat protection. Management actions such as these have a high likelihood of success in restoring and maintaining habitat suitability for *A. nullanulla* at biodiversity stewardship sites, provided the species' other habitat requirements (e.g. gypseous soils) are met.

There is uncertainty regarding the capacity of *A. nullanulla* to recolonise rehabilitated areas following mining operations. This is due to limited understanding of the factors that influence the species' distribution, such as soil, aspect, and competition. RZ Resources Limited, with support from Federation University and Biodiversity Australia, intend to propose and fund a PhD/Honours program to undertake a study on the rehabilitation of *A. nullanulla.* The proposed research will incorporate methods used in pre-existing conservation sites at Nulla and Nunya Stations, as well as rehabilitation trials undertaken by RZ Resources Limited geologist Phil Grant, to test whether *A. nullanulla* can be re-established during postmining rehabilitation efforts. The study will also monitor the species' abundance, extent and condition on the Subject Land to determine population trends and devise long-term management strategies that could be implemented in conservation plans for the species elsewhere throughout its range.

As part of the Biodiversity Management Plan for the proposed development, an *Austrostipa nullanulla* Adaptive Management Plan will be developed in conjunction with future research into the habitat, ecology and extent of *A. nullanulla* within the region. The ANAMP (Section 5.6.9) and associated research, will be developed to investigate responses of *A. nullanulla* to proposed mitigation, rehabilitation, revegetation and management measures to mitigate the proposed impacts to *A. nullanulla.*

To ensure the viability of rehabilitation efforts, a preliminary research phase will be undertaken prior to the commencement of mining activities. This will focus on:

- Collecting *A. nullanulla* seeds from the Subject Land,
- Conducting controlled propagation trials within designated restoration areas (gypseous soils), &
- Identifying optimal cultivation techniques to enhance post-mining revegetation success.

If successful and established, measures to prevent any subsequent impacts to the rehabilitated tussocks would include the establishment of exclusion fencing, feral pest control, and monitoring.

5.6.8 Additional Assessment criteria for impacts under the BAM 2020

Impact to *A. nullanulla* requires assessment under BAM 2020 - Section 9.12 Additional impact assessment provisions for threatened species at risk of an SAII:

> *Subsection 4. In relation to the impacts from the proposal on the species at risk of an SAII, the assessor must include data and information on:*
>
> *b. impact on geographic range (Principles 1 and 3) presented by:*
>
> *i. the area of the species' geographic range to be impacted by the proposal in hectares, and a percentage of the total AOO, or EOO within NSW.*
>
> The proposed development will directly impact 59.58 ha of confirmed habitat for *Austrostipa nullanulla* within the Development Footprint. This area represents 8.83% of the mapped AOO within NSW (675 ha) and 0.02% of the mapped EOO (~286,300 ha).
>
> The proposed impacted habitat occurs contiguous with a substantially larger retained area supporting the same subpopulation. Approximately 91.97% of the mapped AOO associated with this subpopulation will be retained outside the Development Footprint and will not be directly impacted. The proposed impact does not result in the contraction of the species broader EOO and does not isolate the remaining population from adjacent habitat. Retained habitat is of comparable vegetation structure and condition and remains connected to surrounding occurrences within the regional landscape.
>
> *ii. the impact on the subpopulation as either: all individuals will be impacted (subpopulation eliminated); OR impact will affect some individuals and habitat; OR impact will affect some habitat, but no individuals of the species will be directly impacted.*
>
> The proposed development will result in the removal of individuals and habitat but will not eliminate the subpopulation. Based on the proportion of occupied habitat within the Development Footprint, it is estimated that up to 8.83% of the AOO will be reduced. Retained habitat occurs with and directly adjacent to the impact area ensuring continued ecological function and reducing the risk of functional isolation.
>
> *iii. to determine if the persisting subpopulation that is fragmented will remain viable, estimate (based on published and unpublished sources such as scientific publications, technical reports, databases or documented field observations) the habitat area required to support the remaining population, and habitat available within dispersal distance, and distance over which genetic exchange can occur (e.g. seed dispersal) and pollination distance for the species.*
>
> Fragmentation is unlikely to occur as the retained areas remain connected within the local landscape and within dispersal distance in areas adjacent to the proposed Development Footprint and within the broader AOO and EOO. *A. nullanulla* is wind pollinated, facilitating pollen movement across open landscapes and over distances to maintain gene flow between adjacent patches. Seed dispersal occurs primarily thought

attachment of awned caryopses and faunal movement. Given the contiguity of retained habitat and proximity of nearby populations, opportunities for genetic exchange are expected to persist.

Dr Hunter's research (Hunter 2025) demonstrated that *A. nullanulla* persist across a broad range of soils and vegetation conditions than previously documented, including areas previously thought to be uninhabitable for *A. nullanulla.* This indicates ecological resilience and adaptive capacity within the regional landscape. Existing populations in the region demonstrate persistence across variable environmental conditions. There is no evidence of recruitment failure or population collapse in retained areas. The retained habitat and connectivity are considered sufficient to support ongoing population viability in the short and long term subject to implementation of the proposed management measures.

Dr Hunter's report is potentially the most in-depth body of research conducted within NSW for the species. The PhD and Honours programs which are planned with Federation University will further contribute published literature for the species, including studies of dispersal distance, genetic exchange and pollination for the species.

iv. to determine changes in threats affecting remaining subpopulations and habitat if the proposed impact proceeds, estimate changes in environmental factors including changes to fire regimes (frequency, severity); hydrology, pollutants; species interactions (increased competition and effects on pollinators or dispersal); fragmentation, increased edge effects, likelihood of disturbance; and disease, pathogens and parasites. Where these factors have been considered elsewhere in relation to the target species, the assessor may refer to the relevant sections of the BDAR or BCAR.

A monitoring program is proposed for the retained population of *A. nullanulla.* This monitoring program is planned to work concurrently with the Federation University research program and will be guided by strategic *A. nullanulla* Adaptive Management Plans (ANAMP), a Biodiversity Management Plan including Vegetation management and Fauna Management Plans. Potential increase in weed invasion, grazing pressure, or edge effects will be managed through targeted monitoring and control measures under the ANAMP. Vehicle and machinery hygiene protocols will be implemented to mitigate the risk of introducing soil-borne pathogens.

5.6.9 *Austrostipa nullanulla* Mitigation Measures

The proposed development intends to remove approximately 59.58 ha of suitable habitat for *Austrostipa nullanulla* throughout the Development Footprint. To satisfy the biodiversity related approval conditions, support compliance with applicable State and Commonwealth legislation, including the NSW *Biodiversity Conservation Act 2016*, Biodiversity Assessment Method 2020 (BAM), and, where relevant, the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act) an *Austrostipa nullanulla* Adaptive Management Plan (ANAMP) will be developed to manage impacts to *A. nullanulla* during the various stages of the proposed development.

The ANAMP will be developed in conjunction with future research into the habitat, ecology and extent of *A. nullanulla* within the region. Future research will be funded by RZ Resources Limited and undertaken by the Federation University Masters and PhD student research programs. The ANAMP will incorporate findings from this research through annual reviews, and interim reviews at key research milestones, to ensure relevant conducted research is incorporated into the ANAMP, ensuring best practice

methodologies are utilised to manage and mitigate impacts to *A. nullanulla* within the Development Footprint.

The ANAMP will be developed to incorporate specific mitigation measures for each stage of the proposed development, including findings from the proposed research opportunities. The management actions identified in the ANAMP will include actions in line with the Priorities Action Statement (PAS) for *A. nullanulla*, research project findings and State and Federal Guidelines where applicable. Table 68: ANAMP Mitigation Measures located below 1 provides an overview of projected mitigation measures to be implemented prior to further research being undertaken. See also Table 69: *Austrostipa nullanulla* Adaptive Management Responses for the species specific *A.nullanulla* TARP.

The Subject Land is positioned between two known strongholds for this species within NSW, Nulla Station 18 km north-west of Lake Victoria in the state's far southwest; and Nanya Station 100 km due north of Lake Victoria. Surveys conducted in 2025 by Dr John Hunter and Phil Grant of the surrounding region, revealed that *A. nullanulla* was not only present within Nulla and Nanya Stations, but was also present at Warwick Station, Huntingfield, Bells Grove and Oakwood. Translocation of *A. nullanulla* present within the Development Footprint will be undertaken as a research opportunity to preserve existing populations within the region where avoidance cannot be undertaken. Individuals of *A. nullanulla* within the Development Footprint will be translocated to the aforementioned existing populations in the surrounding region.

Translocation can be undertaken through four main methodologies, Whole Plant Translocation (whole plant/soil core or whole turves), Seed Translocation (direct seeding), Seed Bank Translocation (scalping and whole turves) and Translocation of Nursery-Grown Plants (tubestock planting). Final methodology selection will be informed by research outcomes and pilot trials. Based on the ecology and requirements of *A. nullanulla* it is likely that direct seeding into areas of suitable habitat with existing *A. nullanulla*, translocation of whole turves (Figure 92 and Figure 93) and scalping with direct seeding of *A. nullanulla* would provide the highest rate of success for the rehabilitation and revegetation of *A. nullanulla*. Success criteria, monitoring intervals and corrective actions will be defined in the ANAMP and will include measurable performance indicators such as survival rates, recruitment, and establishment success over the monitoring period.

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Table 68: ANAMP Mitigation Measures

Mitigation Measures	Timing	Responsible Party	Priority	Risk of Failure
Pest Management Herbivores comprising both of pest and native species are present throughout the Development Footprint. Exclusion fencing is to be installed surrounding the known extent of the *A. nullanulla* to manage the impacts of herbivory to *A. nullanulla*. Ongoing monitoring should be completed annually to determine the effectiveness of control. Monthly inspections of exclusion fencing and exclusion areas for pest impacts should be undertaken to ensure exclusion fencing is maintained in good condition.	Initial and ongoing monitoring (Preconstruction, Construction, Operation and Rehabilitation)	Qualified pest management contractor, Construction Manager	High	Low
Research Building on the research conducted by Dr John Hunter and Phil Grant in 2025, further research projects to determine the extent of *A. nullanulla* within the region are proposed to be undertaken. In conjunction with this research and improving upon unpublished research conducted by Phil Grant, the development of a Restoration Research Plan, Translocation Research Plan or Revegetation Research Plan should be undertaken to investigate the species-specific and site-specific revegetation/rehabilitation methodologies and requirements. Research plans should include management actions i.e. pest management, watering, soil preparation etc. to ensure the scientific rigor of undertaken research is maintained throughout the life of the projects.	Initial and ongoing (Preconstruction and ongoing as required)	Project Team, Universities	High	Medium
Population Dynamics Ongoing monitoring of the current extent of *A. nullanulla* within the Development Footprint as shown in Figure 89 SAII Impacts for Austrostipa nullanulla and its surrounds to determine population dynamics. Where monitoring indicates that the population/area of extent within the Development Footprint additional exclusion fencing will be required to be installed throughout the Development Footprint.	Annually (Sep-Dec 4 weeks following a significant rainfall event)	Project Team, Site enviro, Universities	High	Low
Seed Harvesting Manual seed collection and storage of viable material is required to be undertaken to provide a viable seed bank for research and future rehabilitation and remediation of impacted areas. Machinery should not be utilised to harvest seed from *A. nullanulla* to reduce potential impacts to established *A. nullanulla.*	Annually (Dec-Jan) (Preconstruction and ongoing as required)	Project Team, Universities, Site Enviro	High	Med
ANAMP Review	Annually	Project Team, Universities, Site Enviro	Med	Low

Mitigation Measures	Timing	Responsible Party	Priority	Risk of Failure
The ANAMP is required to undergo an annual review to incorporate findings from conducted research, updated project planning requirements and timings.				
Translocation site selection *A. nullanulla* is known to persist at several location in NSW, including two locations within the Wentworth region; Nanya Station and Nulla Station, with additional local nearby populations identified in Dr John Hunters 2025 *A. nullanulla* research report (Hunter 2025). The required approval to undertake translocation of *A. nullanulla* to Nanya and Nulla stations has not yet been requested. RZ resources has recently purchased local properties containing *A. nullanulla* tussocks and habitat in the region and adjacent to the proposed mine site, increasing and securing translocation site options. See Figure 92 and Figure 93	Prior to translocation and construction with *A. nullanulla* species polygon (Preconstruction)	Project Team, Universities	Med	Low
Establishment and Management of Translocation sites Utilising the research undertaken in 2025 and further research to determine the extent of *A. nullanulla* within the region. Site selection will be determined by the ability to create semi-controlled natural environment where suitable habitat exists, and the management of pests, weeds and availability of water can be controlled.	Prior to translocation and construction with *A. nullanulla* species polygon (Preconstruction)	Project Team, Universities, Site Enviro	High	Low
Translocation Prior to the commencement of construction works within the identified *A. nullanulla* species polygon (Figure 89), translocation of the existing and newly germinated individuals of *A. nullanulla* should be translocated utilising a suitable method outlined in the NSW Translocation Operation Policy (NSW DPHIE 2019) and the Guidelines for the Translocation of Threatened Plants in Australia. (Australian Network for Plant Conservation 2018). Translocation should be undertaken during the growth period of *A. nullanulla* and immediately prior to forecasted rain to reduce watering requirements. See Figure 92 and Figure 93	Prior to construction of areas containing *A. nullanulla* Sep-Dec (Prior to rainfall) (Preconstruction)	Project Team, Universities, Site Enviro	High	Med
Translocation monitoring Monitoring of translocated individuals of *A. nullanulla* is required to be undertaken on a regular basis to monitor responses to initial removal, placement and longevity of translocation. Monitoring should be undertaken weekly for the first 8 weeks following translocation, then monthly for 6 months, then annually.	Weekly (8 weeks following translocations) Monthly (8 months following translocation) Annually (10 months following translocation) (Construction and operation)	Project Team, Universities, Site Enviro	High	Low

Mitigation Measures	Timing	Responsible Party	Priority	Risk of Failure
Preservation of the natural seed bank The excavation and stockpiling of soils often leads to the degradation of soil structure and composition. *A. nullanulla* relies on specific windblown gypsum to provide suitable soil conditions for germination and growth. To preserve the natural seed bank and site-specific soil conditions (i.e. Gypseous soils), excavation of soils across the Development Footprint particularly within the *A. nullanulla* species polygon soil scalping is recommended. Soil scalping is a method of soil preservation utilised in revegetation where elevated nutrients (i.e. Nitrogen and Phosphorus) and high weed seed levels pose a threat to the success of revegetation. Soil Scalping is utilised in this situation to remove the top 100-150 mm (max 200 mm) preserving the natural seed bank and A-horizon nutrients for research into the revegetation and rehabilitation of *A. nullanulla* potential habitat. It is recommended that scalping be undertaken from 0-100 mm and 100-200 mm to further preserve the soil structure and avoid mixing of soil layers. Stockpiles of soils should be placed on and covered by a non-permeable material to reduce the potential of erosion and leaching of valuable nutrients. Where these soils are to be utilised for revegetation, remediation or research, soils should be placed in the reverse order of extraction to ensure maximum retention of nutrient levels and soil structure. Soil hygiene, disease and pathogen control measures are required to be considered when translocating soils off site.	Prior to construction of areas containing *A. nullanulla* (Preconstruction and construction)	Project Team, Universities, Site Enviro, Machinery Operators	High	Low

Table 69: *Austrostipa nullanulla* Adaptive Management Responses

Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
Pest management	• To be collected via surveys.	Seasonal rainfall Seasonal pest population dynamics • Seasonal changes in resources	PIR camera survey Trapping Ground shooting Exclusion fence monitoring Exclusion fence installation • Monitoring for pest impacts within exclusion area.	Impacts from herbivorous pest species observed within exclusion areas Damaged exclusion fencing Identification of movement of pest species into the exclusion area. Identification of pest impacts within proposed translocation sites • Lack of intact and good condition exclusion fencing at translocation sites	Increased control measures Exclusion fence inspection Exclusion fence repair • Installation of Exclusion fences at translocation sites (See Figure 92 and Figure 93)	Pest population monitoring results Pest population control results • Exclusion fence monitoring	• Results of pest management will inform the appropriate control measures required for future control of pests.
Population dynamics	• Baseline survey conducted as part of BDAR to map species polygon of *A. nullanulla*	• Seasonal rainfall	• Targeted threatened flora surveys (Grasses)	• Increase in area of extent	• Installation of additional exclusion fencing around new individuals	Targeted survey results • GIS spatial mapping of individuals	• Results of ongoing monitoring will indicate the requirement for further exclusion and mitigation measures to be implemented
Soil testing	• To be collected within the *A. nullanulla* species polygon prior to excavation and	• Seasonal rainfall	• Soil testing	• Occurrence of soil pathogens/diseases within soils proposed for scalping.	• Translocation to be undertaken on Subject Land or within close	Soil test results of soils to be scraped • Soil test result of proposed	• Soil testing will determine the presence of soil pathogens and diseases. If scalped soils

Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
	construction works commencing within the species polygon.				proximity to the Subject Land	translocation sites	contain pathogens or diseases that are not present at offsite translocation areas, offsite translocation should not be conducted.
Whole Plant Translocation	• Total number of plants translocated	Seasonal rainfall • Plant health	• Total count	High proportion of translocation failure • Below average rainfall	Research Plan to determine corrective measures Further seed collection from known populations Soil testing • Increased watering schedule	• Ongoing monitoring of cover and abundance	• Research will determine the effectiveness of various whole plant translocation methodologies (i.e. various tubestock sizes, whole plant core vs. whole turves)
Direct seeding	• Baseline data of existing cover and abundance of all species within direct seeding areas is required to monitor the establishment and germination of *A. nullanulla*	Seasonal rainfall and temperature Seed viability • Soil nutrients	• Total cover and abundance counts of *A. nullanulla*	No germination of *A. nullanulla* from direct seeding Below average rainfall • Unsuccessful seed harvesting	Viability and germination testing of harvested seed Increased watering schedule Soil testing Additional seed harvesting from known populations	Ongoing monitoring of cover and abundance. • Successful seed harvesting.	• Research will determine the effectiveness of various direct seeding methodologies and management techniques.

Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
					• Watering of established populations of *A. nullanulla*		
Seed Bank Translocation	• Baseline data is not required as translocated soils will not contain established *A. nullanulla*. translocated soils will be void of vegetation until watering/rainfall spurs germination	Seasonal Rainfall and temperature Operator skills Machinery capabilities	• Total cover and abundance of all regenerating species	No germination of *A. nullanulla* or other species • Below average rainfall	Viability and germination testing of seed bank in controlled environment (i.e.. greenhouse) Soil testing Increased watering schedule • Additional direct seeding of *A. nullanulla*	• Ongoing monitoring of cover and abundance of all germination	• Research will determine the effectiveness of seedbank translocation for *A. nullanulla*

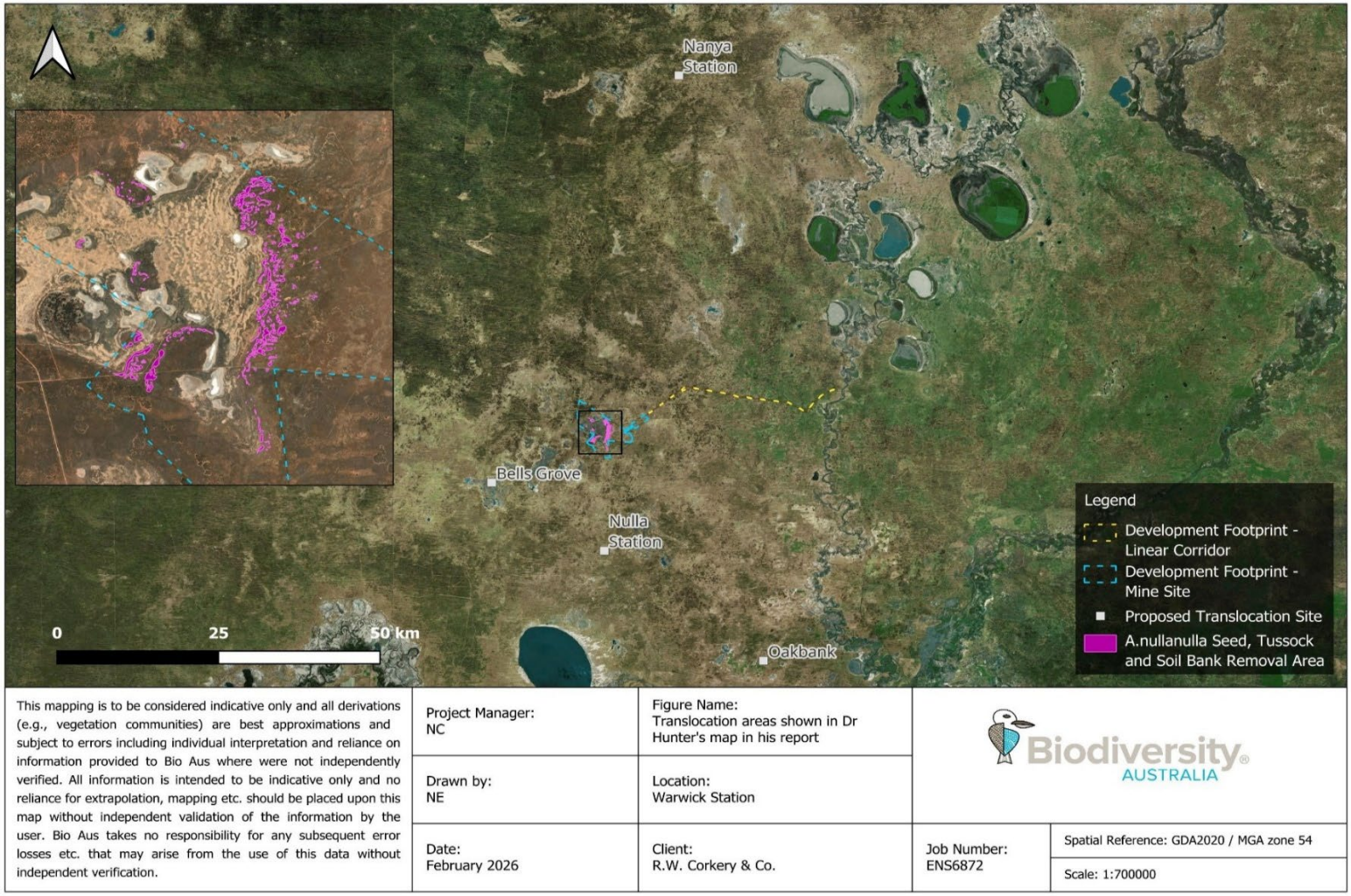
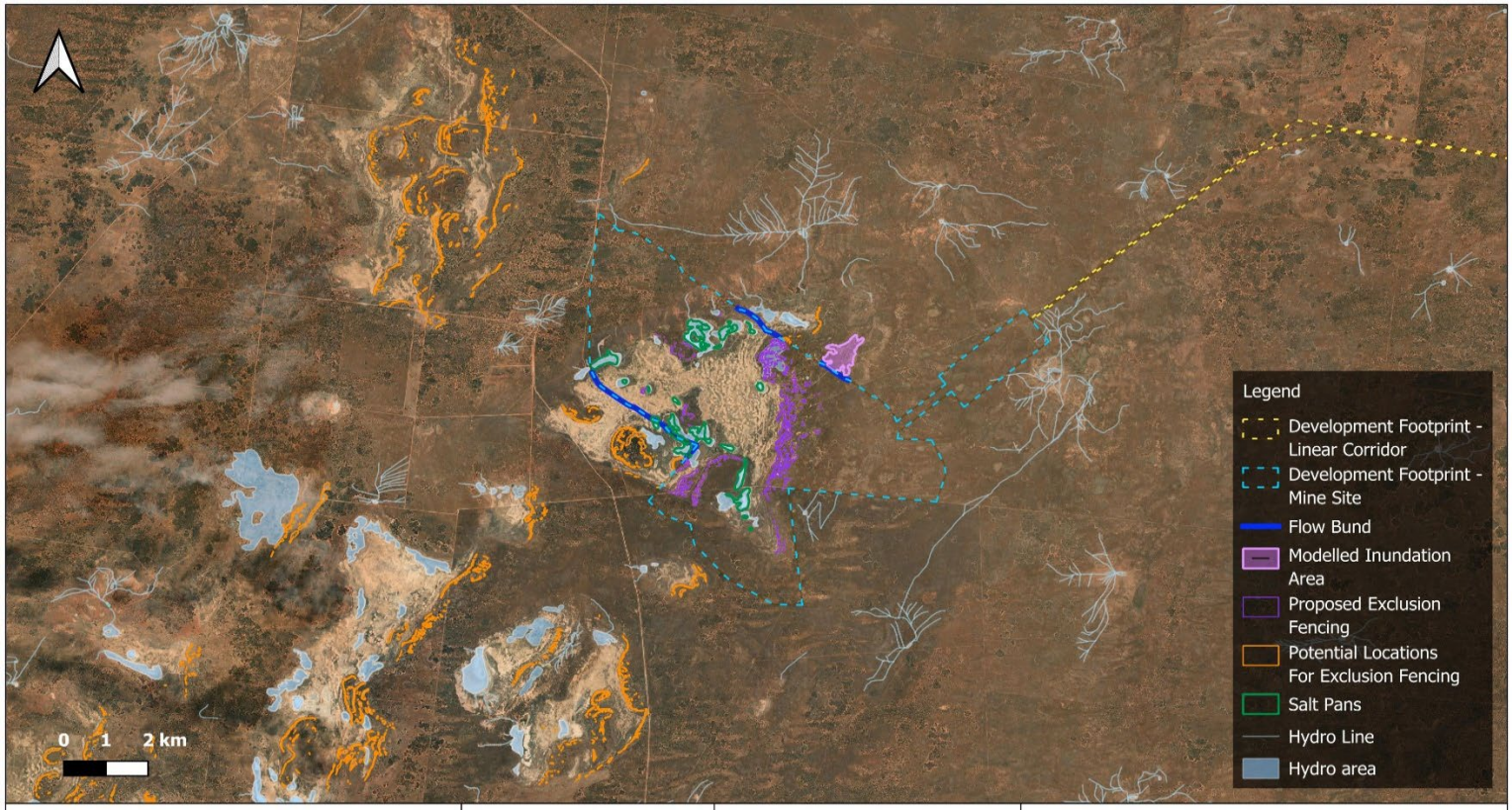


Figure 92: *Austrostipa nullanulla* translocation mitigation management measure locations within the Development Footprint Mine site area and destination sites in the surrounding properties



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: A.nullanulla Mitigation Measures - Mine Site	Biodiversity AUSTRALIA	
	Drawn by: NE	Location: Warwick Station		
	Date: February 2026	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54 Scale: 1:120000

Figure 93: *Austrostipa nullanulla* Adaptive Management Plan showing mitigation management measures within the Development Footprint Mine Site area and the broader region

5.7 Ecosystem Credits

The credit requirement details for Vegetation Zones impacted by the development are included in the Table 70 - Mine Site and Table 71 Linear Corridor below.

5.8 Species Credits

Credit requirement for the species credits species that will be impacted by the development are shown in Table 72 Mine Site and Table 73 Linear Corridor.

Table 70: Ecosystem credits for plant communities types (PCT), ecological communities & threatened species habitat – Mine Site

Zone	Vegetation zone name	TEC name	Current VI score	Change in VI	Area (ha)	Sensitivity to loss (Justification)	Species sensitivity to gain class	Biodiversity risk weighting	Ecosystem credits
58 Black Oak - Western Rosewood open woodland on deep sandy loams mainly in the Murray Darling Depression Bioregion									
1	MS-VZ#1-58_Mod	Not a TEC	53.8	53.8	189.82	PCT Cleared - 50%	High	1.8	4,470
								Subtotal	**4,470**
64 Samphire - Water Weed - Sea-Heath shrubland saline wetland of depressions of the arid and semi-arid (warm) zones									
2	MS-VZ#2-64_Mod	Not a TEC	49.9	49.9	641.45	PCT Cleared - 0%	High	1.50	12,011
								Subtotal	**12,011**
152 Lunette chenopod shrubland mainly of the Murray Darling Depression Bioregion									
3	MS-VZ#3-152_Mod	Not a TEC	49.8	49.8	249.82	PCT Cleared - 27%	High	1.50	4,666
								Subtotal	**4,666**
154 Pearl Bluebush low open shrubland of the arid and semi-arid plains									
4	MS-VZ#4-154_Mod	Not a TEC	34.2	34.2	1564.73	PCT Cleared - 43%	High	1.50	20,053
								Subtotal	**20,053**
157 Bladder Saltbush shrubland on alluvial plains in the semi-arid (warm) zone including Riverina Bioregion									
5	MS-VZ#5-157_Mod	Not a TEC	70	70	492.12	PCT Cleared - 60%	High	1.8	16,592
6	MS-VZ#6-157_High	Not a TEC	77.1	77.1	3.58	PCT Cleared - 60%	High	1.75	110
								Subtotal	**16,702**
170 Chenopod sandplain mallee woodland/shrubland of the arid and semi-arid (warm) zones									
7	MS-VZ#7-170_Mod	Not a TEC	26.1	26.1	1.98	PCT Cleared - 41%	High	1.50	19
								Subtotal	**19**
171 Spinifex linear dune mallee mainly of the Murray Darling Depression Bioregion									
8	MS-VZ#8-171_Mod	Not a TEC	63	63	5.57	PCT Cleared - 19%	High	1.50	132
								Subtotal	**132**
215 Woollybutt Grass open grassland on red earths of the inland plains									
9	MS-VZ#9-215_Mod	Not a TEC	20.1	20.1	5.07	PCT Cleared - 20%	High	1.50	38
10	MS-VZ#10-215_High	Not a TEC	31.6	31.6	0.82	PCT Cleared - 20%	High	1.50	10

Zone	Vegetation zone name	TEC name	Current VI score	Change in VI	Area (ha)	Sensitivity to loss (Justification)	Species sensitivity to gain class	Biodiversity risk weighting	Ecosystem credits
								Subtotal	**48**
221 Black Oak - Pearl Bluebush open woodland of the sandplains of the semi-arid warm and arid climate zones									
11	MS-VZ#11-221_Mod	Not a TEC	57.3	57.3	391.85	PCT Cleared - 30%	High	1.50	8,423
12	MS-VZ#12-221_High	Not a TEC	62	62	3.12	PCT Cleared - 30%	High	1.50	72
								Subtotal	**8,495**
253 Gypseous shrubland on rises in the semi-arid and arid plains									
13	MS-VZ#13-253_Mod	Not a TEC	54.3	54.3	140.14	PCT Cleared - 30%	High	1.50	2,852
								Subtotal	**2,852**
254 Black Oak - Bladder Saltbush on light clays in the arid zone									
14	MS-VZ#14-254_Mod	Not a TEC	60.5	60.5	1.16	PCT Cleared - 10%	High	1.50	26
								Subtotal	**26**
								Total	**69,474**

Table 71: Ecosystem credits for plant communities types (PCT), ecological communities & threatened species habitat – Linear Corridor

Zone	Vegetation zone name	TEC name	Current VI score	Change in VI	Area (ha)	Sensitivity to loss (Justification)	Species sensitivity to gain class	Biodiversity risk weighting	Ecosystem credits
28 White Cypress Pine open woodland of sand plains, prior streams and dunes mainly of the semi-arid (warm) climate zone									
1	LC-VZ#1-28_Mod	Sandhill Pine Woodland in the Riverina, Murray-Darling Depression and NSW South Western Slopes bioregions	54.6	54.6	0.77	Biodiversity Conservation Act listing status	High	2.00	21
								Subtotal	**21**
58 Black Oak - Western Rosewood open woodland on deep sandy loams mainly in the Murray Darling Depression Bioregion									
2	LC-VZ#2-58_Mod	Not a TEC	53.8	53.8	48.82	PCT Cleared - 50%	High	1.8	1,150
								Subtotal	**1,150**
143 Narrow-leaved Hopbush - Scrub Turpentine - Senna shrubland on semi-arid and arid sandplains and dunes.									
3	LC-VZ#3-143_Mod	Not a TEC	80.2	80.2	17.2	PCT Cleared - 30%	High	1.50	517

Zone	Vegetation zone name	TEC name	Current VI score	Change in VI	Area (ha)	Sensitivity to loss (Justification)	Species sensitivity to gain class	Biodiversity risk weighting	Ecosystem credits
								Subtotal	**517**
154 Pearl Bluebush low open shrubland of the arid and semi-arid plains									
4	LC-VZ#4-154_Mod	Not a TEC	34.2	34.2	102.09	PCT Cleared - 43%	High	1.50	1,308
								Subtotal	**1,308**
170 Chenopod sandplain mallee woodland/shrubland of the arid and semi-arid (warm) zones									
5	LC-VZ#5-170_Mod	Not a TEC	26.1	26.1	13.6	PCT Cleared - 41%	High	1.50	133
								Subtotal	**133**
171 Spinifex linear dune mallee mainly of the Murray Darling Depression Bioregion									
6	LC-VZ#6-171_Mod	Not a TEC	63	63	6.56	PCT Cleared - 19%	High	1.50	155
								Subtotal	**155**
								Total	**3,284**

The full Biodiversity Credit Report is provided in Appendix A-4.

Table 72: Species credits for threatened species – Mine Site

Vegetation zone name	Habitat condition (VI)	Change in habitat condition	Area (ha)	Sensitivity to loss (Justification)	Sensitivity to gain (Justification)	BC Act Listing status	EPBC Act listing status	Potential SAII	Species credits
***Austrostipa nullanulla* / A spear-grass (Flora)**									
58_Mod	53.8	53.8	3.3	Geographic Distribution	Ability to colonise improved habitat	Endangered	Not Listed	True	133
64_Mod	49.9	49.9	0.95	Geographic Distribution	Ability to colonise improved habitat	Endangered	Not Listed	True	36
152_Mod	49.8	49.8	2.8	Geographic Distribution	Ability to colonise improved habitat	Endangered	Not Listed	True	104
154_Mod	34.2	34.2	6.9	Geographic Distribution	Ability to colonise improved habitat	Endangered	Not Listed	True	177
157_Mod	77.1	77.1	14	Geographic Distribution	Ability to colonise improved habitat	Endangered	Not Listed	True	810
253_Low	54.3	54.3	30.8	Geographic Distribution	Ability to colonise improved habitat	Endangered	Not Listed	True	1,255
254_Mod	60.5	60.5	0.83	Geographic Distribution	Ability to colonise improved habitat	Endangered	Not Listed	True	38
								Subtotal	**2,553**
***Lophochroa leadbeateri* / Pink Cockatoo (Fauna)**									
154_Mod	34.2	34.2	3.8	BC Act listing status	Sp. dependent on habitat attributes	Vulnerable	Endangered	False	65
170_Mod	26.1	26.1	0.54	BC Act listing status	Sp. dependent on habitat attributes	Vulnerable	Endangered	False	7
221_Mod	57.3	57.3	7.2	BC Act listing status	Sp. dependent on habitat attributes	Vulnerable	Endangered	False	207
221_High	61.9	61.9	1	BC Act listing status	Sp. dependent on habitat attributes	Vulnerable	Endangered	False	31
								Subtotal	**310**

Table 73: Species credits for threatened species – Linear Corridor

Vegetation zone name	Habitat condition (VI)	Change in habitat condition	Area (ha)	Sensitivity to loss (Justification)	Sensitivity to gain (Justification)	BC Act Listing status	EPBC Act listing status	Potential SAII	Species credits
***Lophochroa leadbeateri* / Pink Cockatoo (Fauna)**									
154_Mod	53.8	53.8	3.4	BC Act listing status	Sp. dependent on habitat attributes	Vulnerable	Endangered	False	91
170_Mod	80.2	80.2	0.2	BC Act listing status	Sp. dependent on habitat attributes	Vulnerable	Endangered	False	8
221_Mod	34.2	34.2	3.9	BC Act listing status	Sp. dependent on habitat attributes	Vulnerable	Endangered	False	67
								Subtotal	**166**

*The Burrowing Frog (*Neobatrachus Pictus*) is currently excluded as per the justification provided within the expert report (Ecological Horizons 2025) (Appendix A-7) however this species is subject to further assessment. A compliant survey would require appropriate flooding conditions, which to date have not eventuated. Song Meter acoustic recorders have been deployed since May 2025 in preparation for suitable rainfall to occur within the Development Footprint.

Little Eagle (*Hieraaetus morphnoides*)

A Little Eagle was recorded on 17 December 2024 (Photograph 17) by ecologists during the day at a homestead located 3.5 km north of the Mine Site Development Footprint, and just 6 km north of a number of suitably large sized raptor nests within mapped PCTs associated with the threatened bird (as per the NSW TBDC) inside the Mine Site Development Footprint. Subsequently, to help guide survey design, a potential species polygon was created, in accordance with the BAM guidelines, which included each of the eight (8) large raptor nest trees and the surrounding vegetation which includes a 200 m buffer. The potential species polygon covered an area of 163.23 ha across all 8 associated PCTs 58, 64, 152, 157, 154, 170, 221 and 253. However, the Little Eagle has been excluded after surveys conducted from 6-11 August 2025 failed to detect the species over 6 days of surveys, with 2 replicates conducted in each transect location. The Little Eagle survey effort is shown in Figure 59 - Figure 61.

The Little Eagle is a dual credit species – both ecosystem and species credit species, but not a listed SAII.

Nulla Nulla Grass *(Austrostipa nullanulla*) – is a species credit species

Nulla Nulla Grass is known to occur on the edges, crests, slopes and spurs of salt lakes, particularly where there is exposed Gypsum or the existing soils are derived from Gypsum often called 'flour gypsum' (OEH 2023, TSSC 2010, Pobke, 2007). Within NSW, this species is primarily restricted to gypseous lunettes and Copi rises, while at Nulla Station it grows on the margins of relict lakes (OEH 2023).

Gypsum derived soils are present throughout the Development Footprint as depicted in Photograph 18. These areas were surveyed by a Principal Botanist and other suitably qualified personnel to determine the presence of *A. nullanulla.* This survey accurately mapped the extent of the occurrence on foot with handheld GPS devices using parallel field traverses in accordance with the Surveying threatened plants and their habitats - NSW survey guide for the BAM.

Several patches of *A. nullanulla* were located on the fringing rises and banks of the old lake beds within the Mine Site Development Footprint (Photograph 18). These patches demonstrated the species reliance on gypsum which was illustrated by the reduction of *A. nullanulla* and the increase in other competitive species where the gypseous soils reduced. These gypseous soils provided a natural buffer between the identified specimens of *A. nullanulla* and surrounding vegetation. As per the expert advice of Dr Hunter, the mapping of habitat was conducted by visual interpretation of exposed gypsum in reference to locations visited on foot and sampled via plots using ESRI World Imagery (WGS84 - Vantor, Earthstar Geographics, and the GIS User Community) within ArcGIS pro. Caveats to mapping include both over and under-mapping polygons depending on the nature of the gypsum deposits and the level of surface exposure.

The resulting polygons determined a combined area of the patches totalling 59.58 ha, which included seven (7) mapped PCTs: 58, 64, 152, 154, 157, 253 and 254. The mapped patches were located on gypseous rises in the centre of the Mine Site Development Footprint as show in Figure 94.

Painted Burrowing Frog (*Neobatrachus pictus*)

The Painted Burrowing Frog is known to occur within South Australia, Western Victoria and at two locations within NSW. Distribution within NSW is likely to be underestimated based on the limited access to suitable habitat following required rain events (OEH 2025). This species has the potential to occur within open grassland, mallee, woodland farmland and cleared areas found in flooded areas after sufficient rain events.

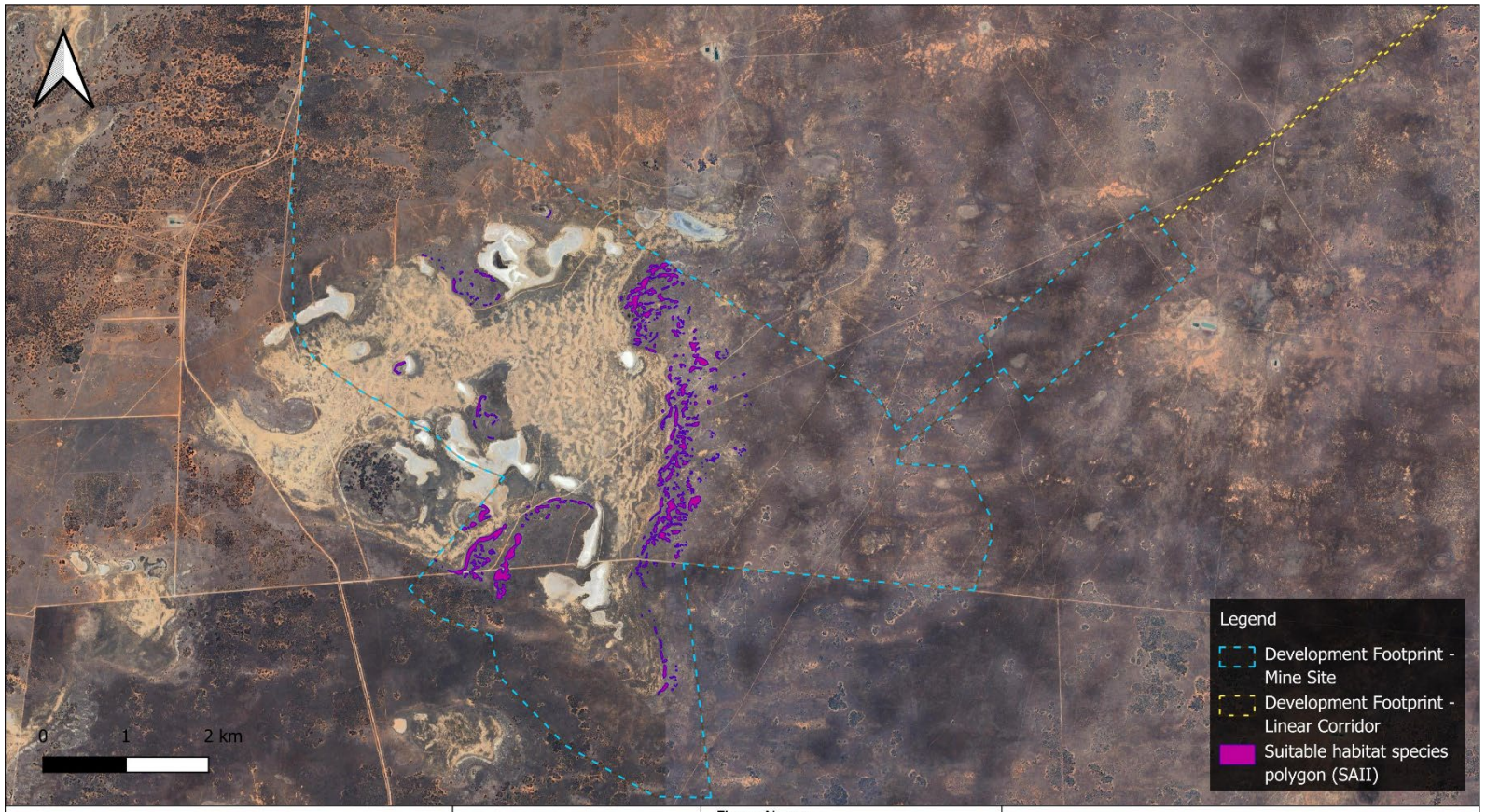
Habitat surveys were conducted for Painted Burrowing Frog in May 2025, by suitably qualified ecologists to determine areas within the Development Footprints in which this species may occur (Figure 66 through

Figure 68). Following the provision of a preliminary assessment report (GHD 2025) and suitable breeding habitat mapping an expert report was sought from Dr John Read. In accordance with Box 3 of the Biodiversity Assessment Method (DPIE 2020), to address the potential occurrence of *Neobatrachus pictus* within the Development. The Expert report provided by Dr John Read (SF23/131995) (A-6), identified that the Development Footprint is highly unlikely to provide important habitat for *Neobatrachus pictus.* The species is unlikely to occur within the Development Footprint due to the scarcity of nearby records, presence of extensive tracts of unsuitable habitat and presence of predatory animals. As such, the Painted Burrowing Frog has been excluded as a species credit species within the BAM-C. Painted Burrowing Frog (*Neobatrachus pictus*) is a species credit species but is not listed as a SAII.

Pink Cockatoo (*Lophochroa leadbeateri*)

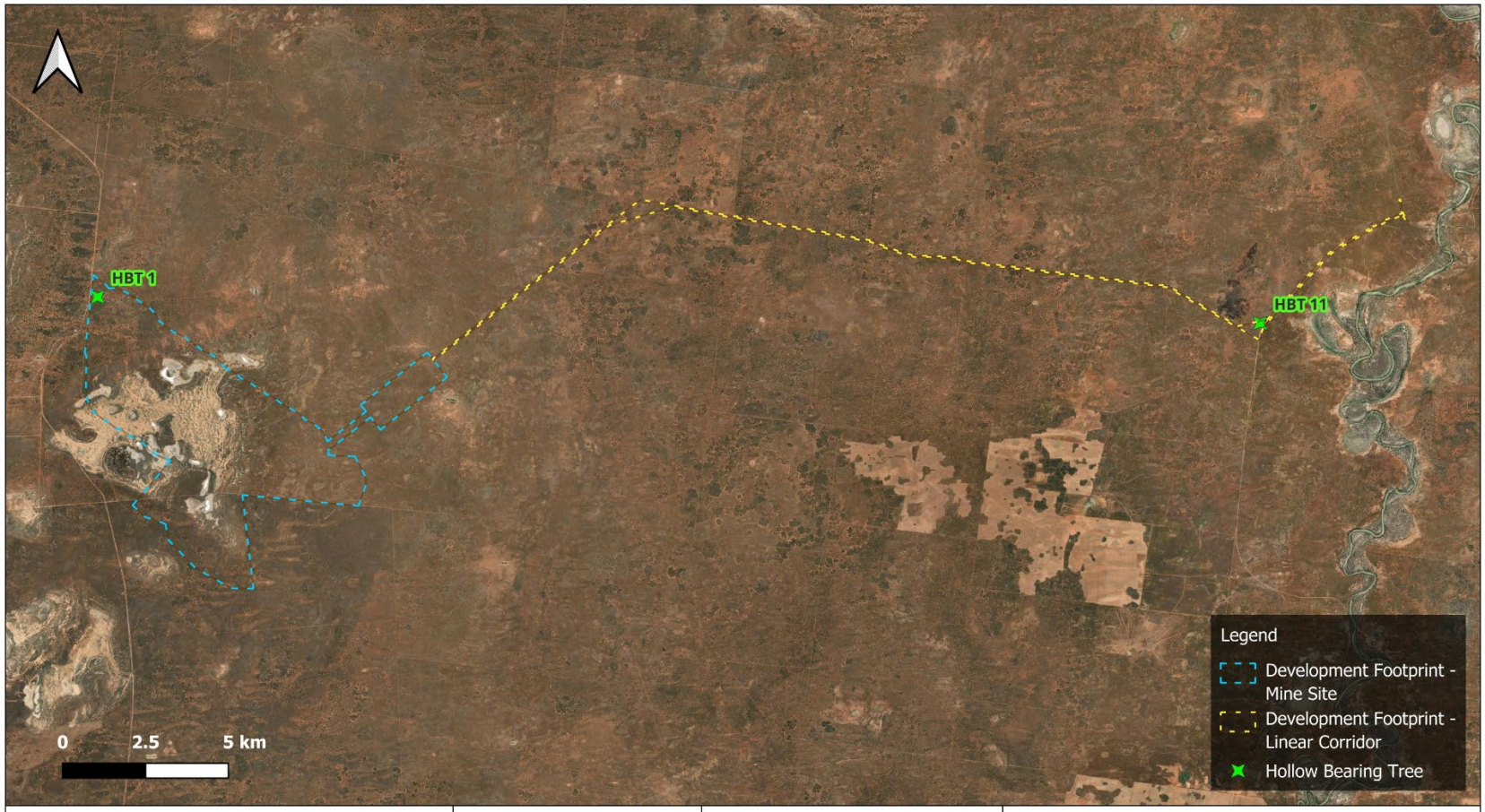
Pink Cockatoo are known to occur in Southwest NSW and were recorded in and around the Development Footprint - Mine Site and Development Footprint - Linear Corridor during targeted and opportunistic surveys within the breeding season August to December. However, no evidence of breeding (activity or active breeding habitat) was observed or recorded in either area. Pink Cockatoo has been assumed present due to insufficient survey effort where two suitable habitat trees will be cleared. The locations of the Pink Cockatoo hollow bearing trees can be seen in Figure 95.

Areas requiring offsets and no offsetting are shown in Figure 97, Figure 98, Figure 99 and Figure 100. The full credit report is provided in Appendix A-4 and the full Expert Report in Appendix A-7.



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Species Polygon - Austrostipa nullanulla - Development Footporint - Mine site	Biodiversity AUSTRALIA
	Drawn by: NE	Location: Warwick Station	
	Date: November 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872 / Spatial Reference: GDA2020 / MGA zone 54 / Scale: 1:60000

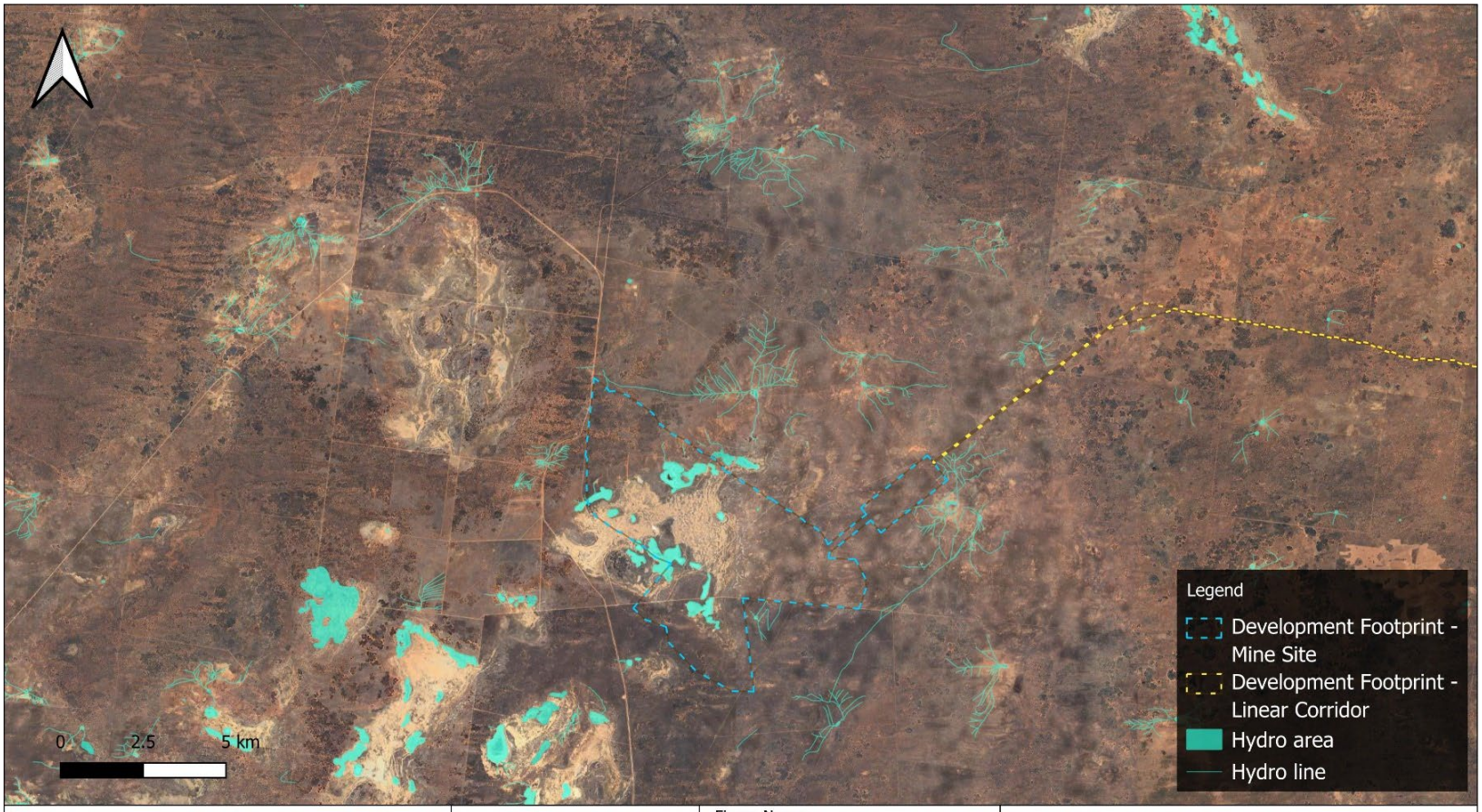
Figure 94: Species polygon – *Austrostipa nullanulla* - Development Footprint - Mine Site.



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.

Project Manager: NC	Figure Name: Pink Cockatoo assumed presence Species polygons site context	Biodiversity AUSTRALIA	
Drawn by: NE	Location: Warwick Station		
Date: March 2026	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:150000

Figure 95: Pink Cockatoo assumed presence Species polygons at two hollow bearing trees across the development footprint



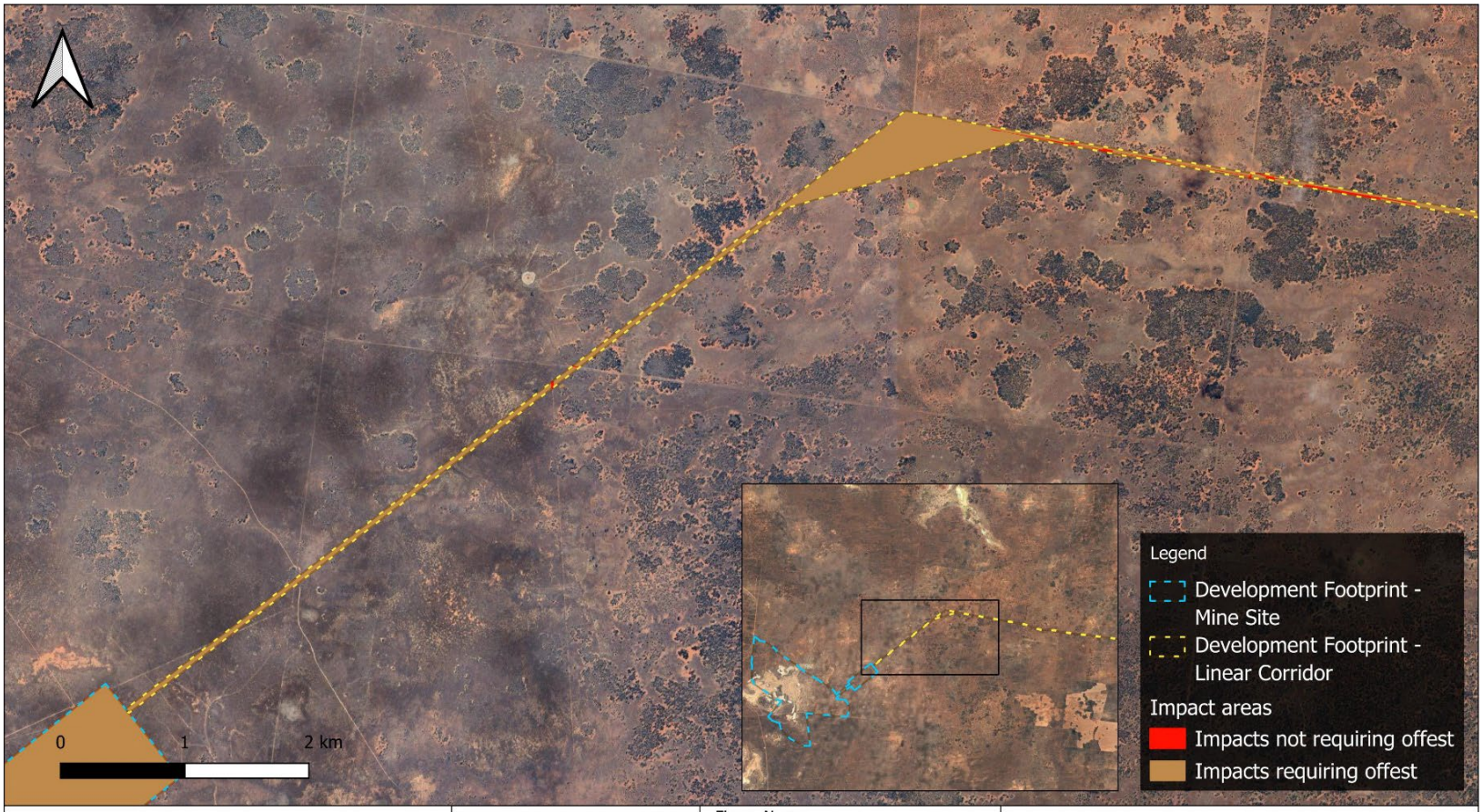
This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Surface water catchments including Western (excluded) and Eastern Salt Pans	Biodiversity AUSTRALIA	
	Drawn by: NE	Location: Warwick Station		
	Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
				Scale: 1:150000

Figure 96: Surface water catchments including Western (excluded) and Eastern Salt Pans



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Areas requiring offset, areas not requiring offset - Development Footprint - Mine Site	Biodiversity AUSTRALIA	
	Drawn by: NE	Location: Warwick Station		
	Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
				Scale: 1:65000

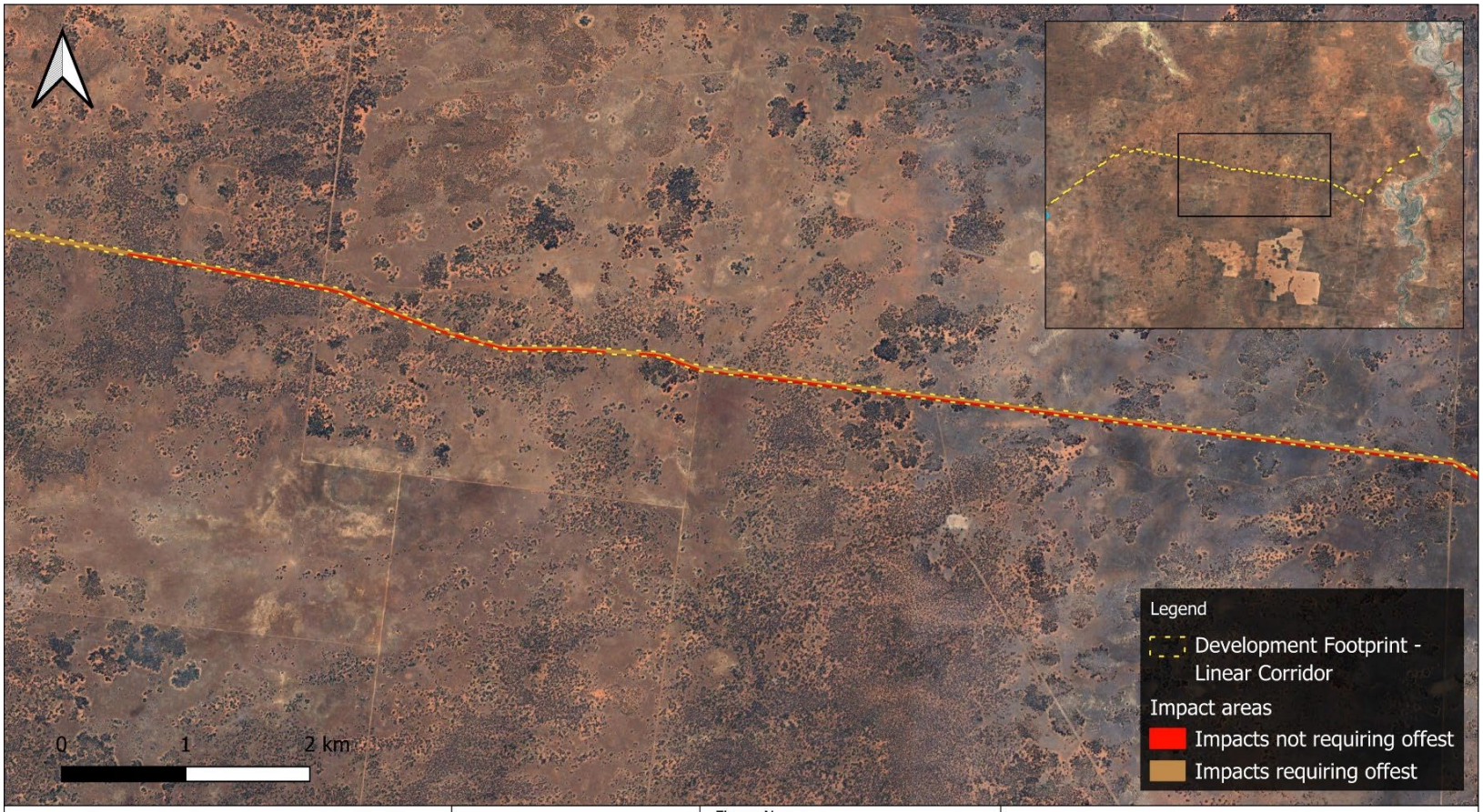
Figure 97: Areas requiring offset, areas not requiring offset - Development Footprint - Mine Site



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.

Project Manager: NC	Figure Name: Areas requiring offset, areas not requiring offset - Development Footprint - Linear Corridor 1/3	Biodiversity AUSTRALIA	
Drawn by: NE	Location: Warwick Station		
Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:40000

Figure 98: Areas requiring offset, areas not requiring offset - Development Footprint – Linear Corridor 1 / 3



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.

Project Manager: NC	Figure Name: Areas requiring offset, areas not requiring offset - Development Footprint - Linear Corridor 2/3	Biodiversity AUSTRALIA	
Drawn by: NE	Location: Warwick Station		
Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:40000

Figure 99: Areas requiring offset, areas not requiring offset - Development Footprint – Linear Corridor 2 / 3



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Areas requiring offset, areas not requiring offset - Development Footprint - Linear Corridor 3/3	Biodiversity AUSTRALIA	
	Drawn by: NE	Location: Warwick Station		
	Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
				Scale: 1:40000

Figure 100: Areas requiring offset, areas not requiring offset - Development Footprint – Linear Corridor 3 / 3

6. Conclusion

Biodiversity Australia (Bio Aus) was requested to prepare a Biodiversity Development Assessment Report (BDAR) for the proposed Copi Mineral Sands Project (The Project). This is for an open-cut mineral sands mine for the extraction and processing of heavy mineral ore to produce a heavy mineral concentrate for R.W Corkery & Co Pty. Ltd (RWC) on behalf of RZ Resources Limited (the "Applicant"). The proposed mine and its associated infrastructure would be located within an area referred to as the "Mine Site," located about 75 kilometres northwest of Wentworth, New South Wales.

The Project is classified as a State Significant Development (SSD) under Clause 5(1)(a) of Schedule 1 of the State Environmental Planning Policy (Planning Systems) 2021 because The Project is for the purpose of 'mineral sands mining'. The Development Application will therefore require assessment under Division 4.7 of Part 4 of the *Environmental Planning and Assessment Act 1979* (EP&A Act). In accordance with Section 4.5(a), the consent authority for The Project will be the Minister for Planning or their delegate.

This BDAR was prepared as a requirement of the Planning Secretary's Environmental Assessment Requirements (SEARs) (SSD-41294067). The Project also triggered the Biodiversity Offset Scheme (BOS) Entry Threshold as it would exceed the area clearing threshold and impact on areas mapped as sensitive on the Biodiversity Values Mapping issued by the NSW State Government.

An Environmental Impact Statement (EIS) accompanied by a BDAR undertaken by EnviroKey Pty Ltd, was submitted to the then Department of Climate Change, Energy, the Environment and Water (DCCEEW) in May 2024. Since the public exhibition of this BDAR, the applicant has amended The Project to reduce the Development Footprint. Additionally, in response to feedback received from the Biodiversity, Conservation and Science Division (BCS), the Applicant engaged Bio Aus to undertake a revised BDAR for The Project. As a result, this report presents an updated assessment inclusive of The Project amendments, and matters raised by the BCS.

In accordance with the Biodiversity Assessment Method 2020 (BAM 2020), a parent case (00052608) was established in the New South Wales Biodiversity Offsets and Agreement Management System (BOAMS). The parent case was then split into two related child cases in the Biodiversity Assessment Methodology Credit Calculator (BAM-C). The Development Footprint – Mine Site and associated infrastructure areas were assigned to a Site-based development (related case 00052609) and the Development Footprint – Linear Corridor and access road were assigned to a Linear development (related case 00055120).

A separate Commonwealth EPBC Act referral has been undertaken and is currently under review. The proponent has not sought assessment under the bilateral agreement.

This BDAR has been previously submitted three times and has undergone three rounds of requests for further information (RFI-96105708). Initially 13 issues were raised by the Conservation Programs, Heritage and Regulation Group. All issues raised by CPHR were addressed and the responses incorporated into the revised BDAR Rev 5.0. Subsequently, after resubmission, five issues were raised by Conservation Planning and Assessment (CPA). Biodiversity Australia's responses to the five issues raised by CPA have now been addressed within this BDAR and can also be found in the CPA RFI response letter located in Appendix A-1. The most recent issue concerns the Pink Cockatoo which has been assumed present and species polygons drawn around two habitat trees in accordance with the buffer requirements of the NSW BioNet Threatened Biodiversity Data Collection.

Field surveys within the Assessment Area have been ongoing since December 2014. To ensure data remains within the 5-year lifespan required by the BAM 2020, only field survey data, including Vegetation Integrity Plots, from June 2020 onwards, were used for the BDAR.

Thirteen Plant Community Types (PCTs) are present within the Development Footprint/s in which all project-related disturbance within the Mine Site and Linear Corridor would occur. These include:

- PCT 28: White Cypress Pine open woodland of sand plains, prior streams and dunes mainly of the semi-arid (warm) climate zone,
- PCT 58: Black Oak – Western Rosewood open woodland on deep sandy loams mainly in the Murray Darling Depression Bioregion,
- PCT 64: Samphire – Water Weed – Sea Heath shrubland saline wetland of depressions of the arid and semi-arid (warm zones),
- PCT 143: Narrow-leafed Hopbush – Scrub Turpentine – Senna shrubland on semi-arid and arid sandplains and dunes,
- PCT 152: Lunette chenopod shrubland mainly of the Murray Darling Depression Bioregion,
- PCT 154: Pearl Bluebush low open shrubland of the arid and semi-arid plains,
- PCT 157: Bladder Saltbush shrubland on alluvial plains in the semi-arid (warm) zone including Riverina Bioregion,
- PCT 170: Chenopod sandplain mallee woodland/shrubland,
- PCT 171: Spinifex linear dune mallee mainly of the Murray Darling Depression Bioregion,
- PCT 215: Woollybutt Grass open grassland on red earths of the inland plains,
- PCT 221: Black Oak – Pearl Bluebush open woodland of the sandplains of the semi-arid warm and arid climate zones,
- PCT 253: Gypseous shrubland on rises in the semi-arid and arid plains, &
- PCT 254: Black Oak - Bladder Saltbush on light clays in the arid zone.

Field surveys conducted by EnviroKey since June 2020 and by Bio Aus since November 2024 have identified the following ecosystem credit species within the Development Footprint/s:

- Southern Whiteface (*Aphelocephala leucopsis*),
- Dusky Woodswallow (*Artamus cyanopterus*),
- Pied Honeyeater (*Certhionyx variegatus*),
- Little Pied Bat (*Chalinolobus picatus*),
- Chestnut Quail-thrush (*Cinclosoma castanotum*),
- Varied Sittella (*Daphoenositta chrysoptera*),
- Marble-faced Delma (*Delma australis*),
- White-fronted Chat (*Epthianura albifrons*),
- Little Eagle (*Hieraaetus morphnoides*) (foraging only),
- Pink Cockatoo* (*Lophochroa leadbeateri*) (foraging only),
- South-Eastern-Hooded Robin (*Melanodryas cucullata*),

- Bolam's Mouse (*Pseudomys bolami*),
- Ringed Brown Snake (*Pseudonaja modesta*),
- Redthroat (*Pyrrholaemus brunneus*),
- Jewelled Gecko (*Strophurus elderi*), &
- Inland Forest Bat *(Vespadelus baverstocki*).

The following Species Credit Species were confirmed as occurring within the Development Footprint/s:

- Nulla Nulla Grass (*Austrostipa nullanulla*) (Mine Site area only). This species is also a Serious and Irreversible Impact (SAII) entity.

Targeted surveys were conducted in accordance with BAM 2020 during the appropriate survey period, using approved survey methods for each of the candidate species. No evidence was found to confirm the presence of these candidate species. The species include:

Flora

- Harrow Wattle (*Acacia acanthoclada*)
- Purple-wood Wattle (*Acacia carneorum*),
- Atriplex infrequens,
- Austrostipa metatoris,
- Mossgiel Daisy (*Brachyscome papillosa*),
- Burr-daisy (*Calotis moorei*),
- Bladder Senna **(***Colutea arborescens*),
- Bluebush Daisy (*Cratystylis conocephala*),
- Desert Hopbush (*Dodonaea stenozyga*),
- Fleshy Minuria (*Kippistia suaedifolia*),
- Pink Velvet Bush (*Lasiopetalum behrii*),
- Winged Peppercress (*Lepidium monoplocoides*),
- Button Immortelle (*Leptorhynchos waitzia*),
- Thyme Rice Flower (*Pimelea serpyllifolia subsp. serpyllifolia*),
- Cobar Greenhood Orchid (*Pterostylis cobarensis*),
- Bitter Quandong (*Santalum murrayanum*),
- Silky Swainson-pea (*Swainsona sericea*), &
- Yellow Swainson-pea (*Swainsona pyrophila*).

Fauna

- Bush Stone-curlew (*Burhinus grallarius*),
- Crowned Gecko (*Lucasium stenodactylum*),

- Desert Mouse (*Pseudomys desertor*),
- Southern Myotis (*Myotis macropus*),
- Pink Cockatoo* (*Lophochroa leadbeateri*),
- Red-lored Whistler (*Pachycephala rufogularis*),
- Striated Grass Wren (Murray Mallee) (*Amytornis striatus howei*),
- Southern Hairy-nosed Wombat (*Lasiorhinus latifrons*),
- Square-tailed Kite (*Lophoictinia isura*),
- Australian Bustard (*Ardeotis australis*),
- White-bellied Sea-Eagle (*Haliaeetus leucogaster*),
- Black-eared Miner (*Manorina melanotis*),
- Black-breasted Buzzard (*Hamirostra melanosternon*),
- Little Eagle (*Hieraaetus morphnoides)***,
- Masked Owl (*Tyto novaehollandiae*), &
- Painted Burrowing Frog (*Neobatrachus Pictus*)***.

*The Pink Cockatoo is a dual credit species; ecosystem credits for foraging habitat, and species credit species for breeding habitat. Targeted surveys were undertaken in accordance with the survey guidelines during the breeding season targeting suitable hollow bearing trees. It was recorded in and around the Development Footprint - Mine Site and Development Footprint - Linear Corridor during targeted and opportunistic surveys within the breeding season August to December. However, no evidence of breeding (activity or active breeding habitat) was observed or recorded in either area. Pink Cockatoo has been assumed present due to insufficient survey effort around two suitable habitat trees which will be cleared.

** The Little Eagle is also a dual credit species; ecosystem credits for foraging habitat, and species credit species for breeding habitat. The species was recorded outside of the Development Footprint – Mine Site and Development Footprint Linear Corridor, however no individuals were observed or recorded within either area. A BAM compliant survey consisting of 20-minute raptor survey points along transects through suitable elevated wooded habitat and at Large Raptor nests were conducted on two consecutive days during the species survey window in August 2025, however no evidence of breeding was found.

*** The Painted Burrowing Frog is a species credit species. It has been recorded within the region of the Development Footprint – Mine Sites and Development Footprint – Linear Corridor. However, habitat assessments indicate that only very limited suitable breeding habitat occurs within the Development Footprint area. Targeted habitat surveys were undertaken in May 2025, to assess the quality and extent of the potential aquatic habitat. Detection of the Painted Burrowing Frog is contingent on specific survey conditions, including minimum of 50 millimetres of rain within a 24-hr period. No such event occurred during the assessment period precluding targeted survey effort. In accordance with Box 3 of the BAM (DPIE 2020), an expert report was provided. The expert report concluded that there is a low likelihood of occurrence for the frog due to factors including widespread saline wetlands which are unsuitable for *N. pictus,* making the Copi Mineral Sands site highly unlikely to be of significance for *N. pictus* (Ecological Horizons, 2025).

While Painted Burrowing Frogs are primarily threatened by habitat loss and fragmentation caused by over-grazing and the decline of suitable wetland habitats, these pressures have already contributed to the current degraded and unsuitable habitat conditions within the Development Footprint (DCCEEW, 2024). Consequently, the site does not provide habitat features likely to support the species.

Key threatening processes to the species such as fragmentation by land clearing, loss of habitat through over-grazing by sheep and goats, and the loss of suitable wetland habitats (DCCEEW, 2024).are found within the Development Footprint Mine site and therefore it is unlikely that N. pictus is present. This is supported by the conclusions from the GHD literature (GHD 2025), data review and site report.

The Painted Burrowing Frog was determined to be unlikely to occur within the Development Footprints due to the scarcity of nearby records, presence of extensive tracts of unsuitable habitat and presence of predatory animals. As such the Painted Burrowing Frog has been excluded as a species credit species from the assessment.

Targeted surveys for the Desert mouse were conducted in accordance with BAM 2020 and the species survey guidelines. However, due to this species being difficult to detect, an expert report was acquired, in addition to the field survey effort, to ensure a comprehensive assessment of presence. As such, based on the expert report, the Desert mouse has been excluded as a species credit species from the assessment.

Five Plant Community Types had potential links with three Endangered Ecological Communities (EEC) located within the Development Footprint/s. These included:

- Vegetation identified as PCT 28, which is consistent with the EEC *Sandhill Pine Woodland in the Riverina, Murray-Darling Depression and NSW South Western slopes bioregions* that is listed as Endangered under the *Biodiversity Conservation Act 2016* (BC Act),
- Vegetation identified as PCT 58, 143, 154, 170 were potentially linked with the EEC - *Acacia loderi shrublands* which is listed as Endangered under the BC Act, and
- Vegetation identified as PCT 28, 58, 170 was potentially linked with the EEC *Acacia melvillei Shrubland in the Riverina and Murray-Darling Depression bioregions* is listed as Endangered under the BC Act.

Following a review of the Final Determinations for each of the three relevant EECs, it was determined that only one community, PCT 28 White Cypress Pine open woodland of sand plains, prior streams and dunes mainly of the semi-arid (warm) climate zone, met the relevant criteria to be considered EEC (*Sandhill Pine Woodland in the Riverina, Murray-Darling Depression and NSW South Western slopes bioregions*) as defined by the New South Wales Scientific Committee – Final Determinations.

The Development Footprint – Mine Site would result in direct impacts to 3,692.92 hectares (ha), which comprises Native Vegetation that is consistent with all identified PCTs. The Development Footprint – Linear Corridor, would result in direct impacts to 190.16 ha of Native Vegetation.

The design of The Project has evolved in an iterative manner over a six-year period from 2018 to 2025. This has involved consideration of the findings of the technical and environmental studies undertaken, feedback from the local and wider community, and responses from the BCS and other New South Wales agencies. Strategies used to avoid and minimise impacts to biodiversity include the redesign of the Mine

Site and a reduction in the Linear Corridor width from an initial 120 metres to 90 metres to 60 meters, and more recently 42 metres.

An area (Huntingfield/Sunshine) adjacent to the northwest boundary of the current Development Footprint – Mine Site (which was included in the original Mine Site design) was removed from the current mine layout, however it is not an avoidance measure (RZ Resources may apply to mine this land in the future). The area was excluded due to the inability to accessing the property, which meant biodiversity impacts could not be fully determined. The current design avoids uncertain impacts.

Some infrastructure components will be located within the Development Footprint, but outside of the mine path for the life of The Project. However, the mine path will be progressively backfilled with tailings and overburden. Additionally, the Temporary Tailings Storage Facility (TTSF) will be used to backfill the mine path void following the cessation of mining operations.

This BDAR includes a range of measures designed to mitigate and manage impacts on Biodiversity Values commensurate to the level of impact proposed by The Project. These include staging of vegetation clearing, avoidance of retained areas of vegetation, pre-clearing surveys of Spinifex Grass and Hollow Bearing Trees, Nest Trees and specific requirements around *Austrostipa nullanulla.*

Based on BOAMS, and related cases in the BAM-C (Section 1); Tables E1 (Table 70) and E2 (Table 71) identify Ecosystem Credits, whilst Tables E3 (Table 72) and E4 (Table 73) identify the Species Credits related to the impacts within the Development Footprint at the Mine Site and Linear Corridor areas of The Project.

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8. Appendices

A-1 CPA RFI-96105708 - Response Letter

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23rd February 2026

Mandana Mazaheri: Team Leader - Resource Assessments
Energy, Resources and Industry Assessments
Department of Planning, Housing and Infrastructure – NSW Planning Group

Response to Request for Information: RFI-96105708

Copi Mineral Sands Project: SSD-41294067

Dear Mandana,

This letter addresses correspondence from Kerryn Richards, Director, Conservation Planning and Assessment (CPA), dated 6th February 2026, providing the Request for Information from the NSW Department of Climate Change, Energy, the Environment and Water (DCCEEW) – Conservation Programs, Heritage and Regulation Group (CPHR).

All five (5) items outlined in CPA's comments, have been addressed by providing additional information and clarifications related to the Biodiversity Development Assessment Report (BDAR). Biodiversity Australia plans to submit a revised BDAR incorporating the necessary amendments, including responses to the raised queries.

Our approach remains focused on fulfilling the proponents' statutory obligations under the *Biodiversity Conservation Act 2016*, the *Biodiversity Conservation Regulation 2017* and the Biodiversity Assessment Method 2020 while ensuring practical and proportionate solutions.

We trust that the details provided herein will support CPA's review and demonstrate our adherence to the required standards. Should any further clarification be needed, please do not hesitate to contact the undersigned at 0410 522 399 or via email at karl.robertson@biodiversityaust.com.au.

Yours faithfully,

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CPA Issue No.	4.1
CPA Issue	Commitments to mitigate potential SAII to ***Austrostipa nullanulla*** must be documented in an **Adaptive Management Plan** and implemented in all stages of the development.
CPA Comments	The updated SAII advice (Biodiversity Australia, January 2026) includes the additional assessment requirements for impacts to *Austrostipa nullanulla* against Section 9.1.2 of the BAM. Some assessment criteria (s9.1.2 4(b) (i-iv) have not been directly addressed, but relevant information is inferred from the text, and this has been used to prepare the advice in Attachment B. Clear and auditable actions are needed to ensure statements in the amended BDAR can be effectively implemented. For example, threats to *Austrostipa nullanulla* and its habitat from feral herbivores are identified and statements are made about ongoing feral herbivore control (s4.4.2.1, 5.1 and 5.6.2) but there is no discussion of goat control in Table 54 'Mitigation measures' and no provision for pest management during mine operation. Similarly, s5.6.3 of the amended BDAR commits to preventing impacts to "rehabilitated tussocks" if successful and established through exclusion fencing, feral pest control and monitoring. There is no indication that threats to retained individuals and habitat on or around the mine site will be similarly managed, and no information has been provided on locations where this would occur or timing and frequency of monitoring. Cumulative effects of this project, when considered with ongoing and unmanaged threats within and outside the subject land, are likely to contribute to ongoing declines of *Austrostipa nullanulla*. CPA recommends that specific targeted mitigation actions be developed to minimise and mitigate potential SAII impacts to *Austrostipa nullanulla*. A targeted Adaptive Management Plan for *Austrostipa nullanulla* should be prepared as part of the Biodiversity Management Plan and Rehabilitation Plan for the project. Section 5.6.3 proposes to fund research to improve rehabilitation/revegetation outcomes via a PhD/Honours project with Federation University, including a study to determine population trends. Outcomes of this research may be used to inform the Adaptive Management Plan for *Austrostipa nullanulla* and long-term adaptive management strategies.
CPA Recommendation	• Include the revised addendum SAII assessment in the final BDAR. • Prepare and implement a targeted Adaptive Management Plan for *Austrostipa nullanulla*.
CPA Recommended Condition of approval	A condition of approval should be prepared that includes preparation and implementation of an Adaptive Management Plan for *Austrostipa nullanulla* as part of the Biodiversity Management Plan and Rehabilitation Plan for the construction and operation of the project.
Biodiversity Australia Response	Addressing *BAM 2020 - Section 9.12 Additional impact assessment provisions for threatened species at risk of an SAII* *Subsection 4. In relation to the impacts from the proposal on the species at risk of an SAII, the assessor must include data and information on:*

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b. impact on geographic range (Principles 1 and 3) presented by:

i. the area of the species' geographic range to be impacted by the proposal in hectares, and a percentage of the total AOO, or EOO within NSW.

The proposed development will directly impact 59.59 ha of confirmed habitat for *Austrostipa nullanulla* within the Development Footprint. This area represents 8.83% of the mapped AOO within NSW (675 ha) and 0.02% of the mapped EOO (~286,300 ha).

The proposed impacted habitat occurs contiguous with a substantially larger retained area supporting the same subpopulation. Approximately 91.97% of the mapped AOO associated with this subpopulation will be retained outside the Development Footprint and will not be directly impacted. The proposed impact does not result in the contraction of the species broader EOO and does not isolate the remaining population from adjacent habitat. Retained habitat is of comparable vegetation structure and condition and remains connected to surrounding occurrences within the regional landscape.

ii. the impact on the subpopulation as either: all individuals will be impacted (subpopulation eliminated); OR impact will affect some individuals and habitat; OR impact will affect some habitat, but no individuals of the species will be directly impacted.

The proposed development will result in the removal of individuals and habitat but will not eliminate the subpopulation. Based on the proportion of occupied habitat within the Development Footprint, it is estimated that up to 8.83% of the AOO will be reduced. Retained habitat occurs with and directly adjacent to the impact area ensuring continued ecological function and reducing the risk of functional isolation.

iii. to determine if the persisting subpopulation that is fragmented will remain viable, estimate (based on published and unpublished sources such as scientific publications, technical reports, databases or documented field observations) the habitat area required to support the remaining population, and habitat available within dispersal distance, and distance over which genetic exchange can occur (e.g. seed dispersal) and pollination distance for the species.

Fragmentation is unlikely to occur as the retained areas remain connected within the local landscape and within dispersal distance in areas adjacent to the proposed Development Footprint and within the broader AOO and EOO. *A. nullanulla* is wind pollinated, facilitating pollen movement across open landscapes and over distances to maintain gene flow between adjacent patches. Seed dispersal occurs primarily thought attachment of awned caryopses and faunal movement. Given the contiguity of retained habitat and proximity of nearby populations, opportunities for genetic exchange are expected to persist.

Dr Hunter's research (Hunter 2025) demonstrated that *A. nullanulla* persist across a broad range of soils and vegetation conditions than previously documented, including areas previously thought to be uninhabitable for *A. nullanulla.* This indicates ecological resilience and adaptive capacity within the regional landscape. Existing populations in the region demonstrate persistence across variable environmental conditions. There is no evidence of recruitment failure or population collapse in retained areas. The retained habitat and connectivity are considered sufficient to support ongoing population viability in the short and long term subject to implementation of the proposed management measures.

Dr Hunter's report is potentially the most in-depth body of research conducted within NSW for the species. The PhD and Honours programs which are planned with Federation University will further contribute published literature for the species, including studies of dispersal distance, genetic exchange and pollination for the species.

iv. to determine changes in threats affecting remaining subpopulations and habitat if the proposed impact proceeds, estimate changes in environmental factors including changes to fire regimes (frequency, severity); hydrology, pollutants; species interactions (increased competition and effects on pollinators or dispersal); fragmentation, increased edge effects, likelihood of disturbance; and disease, pathogens and parasites. Where these factors have been considered elsewhere in relation to the target species, the assessor may refer to the relevant sections of the BDAR or BCAR.

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	A monitoring program is proposed for the retained population of *A. nullanulla*. This monitoring program is planned to work concurrently with the Federation University research program and will be guided by strategic *A. nullanulla* Adaptive Management Plans (ANAMP), a Biodiversity Management Plan including Vegetation management and Fauna Management Plans. Potential increase in weed invasion, grazing pressure, or edge effects will be managed through targeted monitoring and control measures under the ANAMP. Vehicle and machinery hygiene protocols will be implemented to mitigate the risk of introducing soil-borne pathogens. BDAR Section 5.6.8 *Austrostipa nullanulla* mitigation measures The proposed development intends to remove approximately 59.59 ha of suitable habitat for *A. nullanulla* throughout the Development Footprint. To satisfy the biodiversity related approval conditions, support compliance with applicable State and Commonwealth legislation, including the NSW Biodiversity Conservation Act 2016, Biodiversity Assessment Method 2020 (BAM), and, where relevant, the Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act) an *A. nullanulla* Adaptive Management Plan (ANAMP) will be developed to manage impacts to *A. nullanulla* during the various stages of the proposed development. The ANAMP will be developed in conjunction with future research into the habitat, ecology and extent of *A. nullanulla* within the region. Future research will be funded by RZ Resources Limited and undertaken by the Federation University Masters and PhD student research programs. The ANAMP will incorporate findings from this research through annual reviews, and interim reviews at key research milestones, to ensure relevant conducted research is incorporated into the ANAMP, ensuring best practice methodologies are utilised to manage and mitigate impacts to *A. nullanulla* within the Development Footprint. The ANAMP will be developed to incorporate specific mitigation measures for each stage of the proposed development, including findings from the proposed research opportunities. The management actions identified in the ANAMP will include actions in line with the Priorities Action Statement (PAS) for *A. nullanulla*, research project findings and State and Federal Guidelines where applicable. Table 1: ANAMP mitigation Measures located in Appendix A-1-1 provides an overview of projected mitigation measures to be implemented prior to further research being undertaken. The Subject Land is positioned between two known strongholds for this species within NSW, Nulla Station 18 km north-west of Lake Victoria in the state's far southwest; and Nanya Station 100 km due north of Lake Victoria. Surveys conducted in 2025 by Dr John Hunter and Phil Grant of the surrounding region, revealed that *A. nullanulla* was not only present within Nulla and Nanya Stations, but was also present at Warwick Station, Huntingfield, Bells Grove and Oakwood (Figure 1). Translocation of *A. nullanulla* present within the Development Footprint will be undertaken as a research opportunity to preserve existing populations within the region where avoidance cannot be undertaken. Individuals of *A. nullanulla* within the Development Footprint will be translocated to the aforementioned existing populations in the surrounding region. Translocation can be undertaken through four main methodologies, Whole Plant Translocation (whole plant/soil core or whole turves), Seed Translocation (direct seeding), Seed Bank Translocation (scalping and whole turves) and Translocation of Nursery-Grown Plants (tubestock planting). Final methodology selection will be informed by research outcomes and pilot trials. Based on the ecology and requirements of *A. nullanulla* it is likely that direct seeding into areas of suitable habitat with existing *A.nullanulla*, translocation of whole turves and scalping with direct seeding of *A. nullanulla* would provide the highest rate of success for the rehabilitation and revegetation of *A. nullanulla*. Success criteria, monitoring intervals and corrective actions will be defined in the ANAMP and will include measurable performance indicators such as survival rates, recruitment, and establishment success over the monitoring period. Suggested amendments to BDAR Table 54 Mitigation Measures Summary for the Project have been addressed and displayed in Table 1: ANAMP Mitigation Measures and Table 2: *Austrostipa nullanulla* Adaptive Management Responses located in Appendix A-1. Also refer to Figure 2 for the indicative ANAMP mitigation measures map.
CPA Issue No.	**12.2**

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CPA Issue	Targeted surveys in the breeding season for **Pink Cockatoo** have not been completed.
CPA Comments	Section 4.2 and Table 40 of the BDAR claims general bird surveys (20 minutes long and not focusing on any specific species) to be targeted surveys for Pink Cockatoo. As a candidate species, the BAM requires that targeted surveys for Pink Cockatoo need to be conducted during the breeding season (September to December) in the Development Footprint where suitable tree hollows were located. Surveys for suitable tree hollows located 57 potential tree hollows, mostly along the access route (BDAR s4.4.2.2, which is a different number to the 40 tree hollows mentioned in Table 4.3.3.4). According to the supplied spatial data, these surveys were conducted in February 2025, outside the breeding season for Pink Cockatoo. The presence/absence diurnal bird surveys have demonstrated that Pink Cockatoos occur on the site and the hollow-bearing tree surveys show that suitable breeding habitat is present. In the absence of targeted breeding surveys at the correct time of year, Pink Cockatoo breeding habitat must be assumed to be present, and polygons created for the species credit component of Pink Cockatoo breeding habitat.
CPA Recommendation	• Conduct targeted surveys for the Pink Cockatoo in the breeding season (September to December) to determine any species polygon requirements. • In the absence of targeted surveys in the breeding season, assume presence for Pink Cockatoo in associated PCT buffer areas where suitable hollow bearing trees occur.
Biodiversity Australia Response	Suitably qualified and experienced Biodiversity Australia ecologists conducted surveys for the Pink Cockatoo within and around the Copi Sands Project Mine Site and Linear Corridor Development Footprints under the instruction and supervision of BAM Accredited Assessors. As the Pink Cockatoo is listed as both an Ecosystem Credit (foraging) and Species Credit Species (breeding habitat) due to its differing foraging and breeding habitat requirements, surveys were conducted to confirm presence and foraging use of the site and identify and assess potential breeding through assessments of hollow bearing trees. As shown in Figure 1: Survey Effort for Pink Cockatoo within the Development Footprint Linear Corridor area (11 x HBTs) and Figure 2: Survey Effort for Pink Cockatoo within the Development Footprint Mine Site area (1 x HBT), provided in Appendix A-1-2, comprehensive surveys for the species were conducted across the entire Development Footprint within the breeding season in August to December 2024 and 2025. The surveys were guided by the threatened species survey guidelines for the Pink Cockatoo, listed within the NSW BioNet Threatened Biodiversity Database Collection (TBDC) and the NSW Biodiversity Assessment Method (BAM) 2020 Section 5.3 and subsections 5.2.1 – 5.2.3. Where specific survey details were not available (e.g. hollow height, survey duration), further information was sourced from published literature, including: • NSW Threatened Biodiversity Survey and assessment guidelines for development and activities Working Draft (DEC 2004), • Handbook of Australian, New Zealand & Antarctic Birds: volume 4 parrots to dollarbird (Higgins 1999), • NSW Field Survey Method Guidelines (DPI 2008), • Conservation Advice for *Lophochroa leadbeateri leadbeateri* (Eastern Major Mitchell's Cockatoo) (DCCEEW 2023),

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- Survey guidelines for Australia's threatened birds - Guidelines for detecting birds listed as threatened under the EPBC (DEWHA 2017), and
- Draft Regional Biodiversity Survey and Assessment Guidelines (NPWS & SMEC 2001).

According to the TBDC, suitable habitat for the species includes living or dead trees with hollows greater than 10 cm in diameter. Higgins (1999) confirms the suitability of tree hollows greater than 10 cm in diameter and adds that those located more than 2 m aboveground are preferentially used for breeding. In addition, Higgins (1999) states that the species commonly nests in very old, mature hollow-bearing trees (HBTs) and occasionally in large, abandoned raptor nests (Higgins, 1999). The TBDC lists signs of breeding as: (a) begging birds of any age or sex; (b) lone individuals of the species identified during the breeding season (August to November); or (c) an occupied nest.

An inconsistency regarding the breeding season of the Pink Cockatoo was noted within the TBDC: the 'Months of Survey Species credit' section within the 'Survey' panel of the 'Ecological Data' tab lists the breeding season as September through to December, while the 'Survey Comments' section references August to November as the breeding season on two separate occasions. For the Pink Cockatoo surveys, Biodiversity Australia followed this recommended survey timing which is also referenced as August to November in other available literature, including the most in-depth species information currently available, the Commonwealth Conservation Advice (DCCEEW 2023) and, accordingly, conducted surveys within this window.

Methods

A variety of survey methods were employed to target the Pink Cockatoo and its breeding habitat. Initially, walking and slow-moving vehicle (SMV) transects were conducted to detect the presence of Pink Cockatoos and to identify Pink Cockatoo breeding habitat. The walking transects were conducted at an average speed of 4.5 km/hr and SMV surveys at an average speed of 20 km/hr. The surveys were conducted across the entire site, though emphasis was placed on areas of suitable habitat for the Pink Cockatoo. Within the Subject Land, suitable habitat is found within Plant Community Types (PCTs) 25, 28, 58, 143, 152, 154, 170, 171, 215, 221, and 253. Nearby water sources were also considered to be important habitat features, as were paddock trees and raptor nests.

All surveys were conducted in weather conducive to detection and identification of this conspicuous species.

Surveys conducted on 11-29 November and 4-14 December in 2024, as well on 7-16 January, 3-14 February, 6-11 August, 27-29 October, and 4-11 November in 2025 focussed on the eleven Plant Community Types (PCT) associated with the Pink Cockatoo (PCTs 28, 58, 143, 152, 154, 170, 171, 215, 221, 253, and 254), covering an area of 2746.57 ha.

Eight suitably qualified and experienced Biodiversity Australia Ecologists undertook targeted Pink Cockatoo surveys within the Copi Mineral Sands Project Area from 11 November to 14 December 2024 and again from 6 August to 12 November 2025. This quantum of field work meets the prescribed survey requirements for the Pink Cockatoo detailed within the TBDC. Locations of surveys are provided within Figure 1 and Figure 2 located in Appendix A-1-2 and is reflected in a figure in the BDAR.

Based on requirements listed in the TBDC and published literature, a minimum survey effort of 26.66 hours (40 minutes of searching per day at each of the 10 point-count locations, repeated over 4 days) was required for the Pink Cockatoo over a period of at least 4 days. Biodiversity Australia conducted a total of 53.53 hours of surveys within areas of suitable habitat within the HBT survey area, over 19 days and observed no evidence of breeding activity. Accordingly, the Pink Cockatoo was included in the Biodiversity Development Assessment Report (BDAR) as an ecosystem credit species due to its presence and evidence of foraging

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activity and behaviour and was excluded as a species credit species due to the absence of active breeding habitat. Therefore, a species polygon was not created for the Pink Cockatoo.

All Pink Cockatoos sighted during walking and SMV surveys conducted from November 2024 to November 2025 were recorded and then followed to observe behaviour and determine the nature of their activity, whether it be fly-over, foraging or breeding. Potential nest trees (i.e. HBTs with hollows of a suitable size and height) and raptor nests observed during these surveys were recorded for subsequent repeat visits during the species' breeding season.

Surveys were conducted in August 2025 at each large raptor nest (likely abandoned Wedge-tailed Eagle nest) over 2 consecutive days, comprising a total of 80 minutes of surveys for each nest. A total of 10.66 survey hours were conducted at the elevated wooded areas where the raptor nests were located.

Following the identification of potential nesting sites and water sources, point count surveys, consisting of 20-minute observation periods within 300 m of these features, were conducted during the August to November breeding season. During the point count surveys, observers scanned the horizon, vegetation, and sky with binoculars, and listened for the species' calls. All detected Pink Cockatoos were recorded, and all HBTs observed were inspected for signs of occupancy or breeding, regardless of size. Particular attention was given to searching the hollows within trees previously identified as potential nesting trees. The point count surveys and HBT searches were conducted over four-day periods, between 25-28 November 2024 in the Mine Site Development Footprint, and between 6-9 August 2025 in the Linear Corridor Development Footprint.

Biodiversity Australia ecologists surveyed a total of 150.62 km during walking transect surveys and 188.32 km during SMV transect surveys, and for a total of 10.66 hours during point count surveys (Table 1: Survey Effort – Pink Cockatoo, A-1-2). This translated to a total of 53.53 hours of targeted surveys over a period of 19 days from August to December in 2024 and 2025. This time does not include the raptor nest searches.

Results

During the habitat searches, a total of 39 HBTs, 8 raptor nests and two dams were located. Of the 39 HBTs, 25 contained hollows larger than 10 cm in diameter. Of these 25, 12 contained suitably large hollows 2 m above ground level (Table 2: Suitable Hollow Bearing Trees located within the Development Footprint, Photograph 1 through Photograph 12, A-1-2). Two of these 12 HBTs are located within the Development Footprint and will be removed as a result of the proposed development. The remaining 10 HBTs are located outside the Development Footprint (but within 300 m) and will not be directly impacted by the development. Three of the 12 HBTs were within 300 m of one another, so were able to be captured within a single point-count location (Table 1, A-1-2). Hence, a total of ten point-count locations were established. The raptor nests were located within the Mine Site Development Footprint, while the dams were located in land adjacent to the Development Footprint.

Sightings of the Pink Cockatoo were recorded both during and outside of the breeding season, and within and outside of the Development Footprint (Figure 1 and Figure 2, A-1-2). Although numerous individuals, pairs, and groups were recorded, no evidence of breeding activity was observed despite persistent tracking and observation of these individuals. None of the Pink Cockatoos were observed using the identified potential nest trees, and none of the identified hollows were observed to have any evidence of nesting or breeding activity during the repeat visits and inspections.

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	The although a sufficient survey effort was conducted at the appropriate time for Pink cockatoos, the targeted survey design, field survey timing and methods included in Copi BDAR Rev 5.0, were not presented in a clear, concise and thorough manner. However, the revised BDAR Rev 6.0 now contains a clear description of the targeted survey design, including field survey timing, methodology and detailed results for Pink Cockatoo surveys. This revised information is supported by field data presented in tables, detailed figures and GIS spatial data.
CPA Issue No.	**14.4**
CHPR Issue	The **prescribed impact assessment** must consider potential triggers and any requirement to **offset residual impacts.**
CPHR Comments	CPA acknowledges the additional assessment of prescribed impacts associated with potential impacts to salt lakes and surrounding native vegetation in s5.4.4 of the BDAR. Further detailed information is required to support the proposed baseline data monitoring for adjoining lakes and the potential triggers that identify a loss in vegetation integrity attributed to direct impacts to salt lakes. This detail is required to ensure effective implementation of adaptive management actions and potential additional offsetting. These should be further detailed in the BMP to the satisfaction of CPA. To ensure any residual impacts from operation are captured, CPA recommends that a calculation of ecosystem credits for the potential loss of native vegetation in PCT 64 surrounding the salt lakes is included in the BDAR. These credits can be calculated independently of the mine site and linear BAM-C cases and the number of credits included in the BDAR and BMP text. If monitoring shows that residual impacts have occurred, they can be offset during operation, i.e. they are not required to be offset prior to construction and may not be required if monitoring shows impacts within expected thresholds. Tables 54 and Table 58 (monitoring) need to focus on mitigation measures that prevent the loss of vegetation and aim to maintain salt lake function. For example, how will the height and location of bunding structures maintain the existing fill levels after rain?
CPHR Recommendation	• Identify monitoring locations in PCT 64 surrounding the salt lakes and collect pre construction baseline data. • Calculate the ecosystem credits associated with potential prescribed impacts to PCT 64 surrounding the salt lakes outside the Development Footprint and include this in the BDAR. • Document ecosystem credits in the BMP as part of monitoring, and if required, retire these additional ecosystem credits if prescribed impacts during operation exceed monitoring triggers.
CPA Recommended Condition of approval	If residual prescribed impacts to salt lakes are identified during construction and operation monitoring, ecosystem credits to offset residual prescribed impacts must be proposed in the BMP and captured in consent conditions in accordance with sections 7.14(4) and 6.1(2)(b) of the BC Act.
Biodiversity Australia Response	One meter high flow bunds are proposed to be constructed at three locations around the perimeter of the Mine Site Development Footprint (Figure 3: Flow bunds and indicative inundation areas resulting from a 'with mine' storm event scenario, A-1-3). These flow bunds will be constructed as a precautionary measure to protect the mine site and surrounding vegetation from potential inundation following storm events. Under storm modelling provided in the R.W. Corkery & Co. Geospatial analysis and Modelling expert report, (RWC 2026) pooling or inundation will not be experienced outside the Development Footprint at either of the two

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bunds located to the west, however the shorter bund located to the east will experience pooling and inundation in an area extending north from the exterior of the bund, as shown in Figure 3, A-1-3.

Inundation may occur over approximately 44 ha of PCT 154 Pearl Bluebush low open shrubland. The potential impacts associated with inundation of vegetation (PCT 154), are uncertain as rainfall events are unpredictable within the region. Complete avoidance of these impacts is unable to be achieved due to the detailed design of the development and the nature and uncertainty of potential impacts; thus minimisation is essential. Mitigation measures will include monitoring of Vegetation Integrity Plots established within the potential inundation zones and offset through the requirement of credits where monitoring indicates a significant reduction in Vegetation integrity.

A total of 42 BAM VI plots were conducted within the ground-truthed PCT 154 vegetation zones within the Mine Site Development Footprint between November 2024 and November 2025. The Vegetation integrity (VI) scores from all 42 plots can be used to determine an adaptive management action trigger value, by first calculating the average VI score from the multiple BAM plots within each vegetation zone, then determining the annual rate of decline for each VZ within BOAMS. Finally, the trigger value for the retirement of additional credits, can be calculated by doubling the annual rate of decline (ARD).

In accordance with the BAM 2020 s4.3.4, to determine the ARD of PCT 154 outside the Development Footprint, four VI plots are proposed to be located within the 44 ha VZ Mod 154 inundation zone, which is forecast to be impacted by pooling stormwater following the construction of flow bunds. Plot data from these 4 plots will provide an average VI score for the VZ and subsequent annual rate of decline and adaptive management action trigger value. Table 3: PCT 154 Moderate vegetation zone values (A-1-3) provides the VI scores, annual rate of decline, trigger value, sample size and VI plot identifiers for PCT 154 within the Mine Site Development Footprint.

The credit obligation generated by impacts to 44 ha of moderate condition PCT 154 within in the modelled inundation zone is 553 ecosystem credits. Table 3: PCT 154 Moderate vegetation zone values, illustrates the current vegetation integrity of PCT 154 within the Mine Site Development Footprint along with the number of plots, plot numbers used to calculate the Vegetation Integrity Score of the VZ, annual rate of decline and the proposed annual rate of decline trigger for the retirement of credits. The ecosystem credits offset liability generated by inundation of 44 ha of PCT 154 will be documented in the Biodiversity Management Plans part of monitoring and will be retired if required.

In addition to PCT 154, another PCT which is not shown by modelling to be at risk of impacts but occurs within low lying sensitive areas is PCT 64. This community occurs within salt lakes, salt pans and on lake and pan margins, both within the Mine Site Development Footprint, and outside footprint on nearby adjacent land. A total of 14 BAM VI plots were conducted within the ground-truthed PCT 64 vegetation zones within the Mine Site Development Footprint between November 2024 and November 2025. A total of 7 plots were conducted within the mine site area and 7 on adjacent land outside the footprint. The Vegetation integrity (VI) scores from 14 plots can be used to determine the adaptive management action trigger value, as outlined above for PCT 154.

No areas of PCT 64 Samphire - Water Weed - Sea-Heath shrubland saline wetland outside of the Development Footprint are predicted to be impacted by the storm modelling. However, as a precautionary measure, baseline Vegetation Integrity values have been recorded from 14 BAM plots located within (the mine site and adjacent land) PCT 64 vegetation zones (VZ). An additional 5 VI plots are proposed to be positioned within PCT 64 outside the flow bunds. Four in PCT 64 along the southern flow bund and one in PCT 64 located north of the northernmost flow bund. These additional external VI plots will be located 50 m from the flow bund structures. From the collected data, the annual rate of decline (ARD) has been calculated for each VZ. Biodiversity Australia have set adaptive management trigger values for each of these VZs at twice the ARD. This means that if VI scores from BAM plots located outside the development, within impact buffer areas in land adjacent (containing PCT 64 VZs) drop below original VI baseline values by more than twice the ARD, it will trigger the adaptive management actions listed in BDAR Figure 52.

Each PCT 64 VZ present within the Mine Site Development Footprint, along with the corresponding VI scores, annual rate of decline, trigger value, sample size and VI plot identifiers, are displayed in Table 4: PCT 64 vegetation zone values.

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Credit obligations for PCT 64 have not been generated as the potential impact area for the community was not indicated in the modelling. If monitoring of the additional external VI Plots indicate the VI of PCT 64 outside the Development Footprint falls below 75% of the baseline VIS credit obligations should be calculated as part of the adaptive management plan if the VIS continues to decline despite the implementation of mitigation measures outlined in BDAR Table 52.

Geospatial analysis and Modelling experts at R.W. Corkery & Co. used a 2D flood (hydraulic) model in HEC-RAS to estimate where water would flow, where it would pond, and inundation depth during a modelled large storm event. Analysts then compared the “no mine / no bund” case against the “with mine / with bund” case, to determine the effect of the flow bund under the same modelled storm event.

Key outputs of this modelling are: the predicted peak flood depth maps for each scenario and the flood level difference mapping that highlights areas where inundation depths go up or down due to the bund and mine scenario.

The storm modelling used is based on a 2D HEC-RAS hydraulic simulation for a 1% AEP, 72-hour modelled storm. Interpretation was achieved by comparing: (1) peak flood depth mapping for the “no mine” scenario versus the “with mine” scenario (with the flow bund shown), and (2) a flood level difference map that indicates where depths increase or decrease between scenarios. Overall, the mapping shows broadly similar flood patterns between the scenarios at the site scale, with the most noticeable changes concentrated around the flow bund alignment and nearby low-lying areas. Shown in Figure 3: Flow bunds and indicative inundation areas resulting from a ‘with mine’ storm event scenario, A-1-3.

Key inputs/assumptions of the modelling were:

- Terrain: 5 m-resolution elevation/topography to capture low points, drainage lines and subtle depressions where water can pond.
- Modelled storm: 1% AEP, 72-hour event (consistent across scenarios so the comparison is like-for-like).
- Rainfall pattern and scaling: modelled rainfall distribution through time adopted from the hydrology setup (hyetographs), with standard aerial adjustment for catchment scale.
- Losses: infiltration/loss parameters applied consistently to represent initial wetting and ongoing losses during the event.
- Surface conditions: simplified/consistent roughness representation so differences in results are driven mainly by terrain and the bund inclusion.
- Scenario change: the main structural difference between scenarios is the inclusion of the flow bund in the “with mine” case, enabling an isolated comparison of its effect on water levels and flow redistribution.

This modelling is best treated as a **comparative scenario assessment**, not a detailed final design of a full surface water management system. The purpose is to show where the bunds alter flow paths and local ponding, and whether those changes extend beyond the immediate area. The difference mapping indicates that changes are generally localised rather than widespread across the broader domain.

State type vegetation mapping in the inundation and potential inundation areas has been refined via desktop vegetation mapping assessments and extensive ground-truthing of PCTs within the Mine Site Development Footprint.

The modelling inundation overlays (no-mine vs with-mine) shows that inundation is largely occurring to the north in the mapped shrubland communities. Based on the current mapping overlay, interaction with PCT 64 appears limited on the mapping provided, however PCT 154 appears to be at greatest risk of inundation impacts across an area of 44 ha, extending north of the mines site Development Footprint. This area receives rainwater via a series of drainage lines which direct the water from west, north and east of the smaller flow bund.

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	Although the comparative scenario assessment provided by the storm modelling does not indicate that PCT 64 is at risk of inundation; due to the sensitivity of the community and its association with salt pans and salt lakes, monitoring measures are proposed to detect impacts, trigger mitigation actions and prevent damage to the community and ecosystem present in those three areas where flow bunds are located.
CPA Issue No.	**RTS New issue 1**
CHPR Issue	**Mitigation measures** must be detailed in the BDAR to **demonstrate impacts will be effectively managed** and to give confidence that the offset liability is adequate.
CPHR Comments	CPA acknowledges that additional detail has been provided for mitigation measures in Table 54. However, it includes general statements without clear commitments and a reliance on post-approval plans to develop details. Specific details are required to ensure commitments are carried through to post-approval plans, are successfully implemented, and can be audited. For example, erosion and sediment controls (page 268) in Table 54 do not specify where controls are required for managing biodiversity impacts. Specific locations where runoff and sedimentation could impact adjoining vegetation must be identified so regular monitoring can detect any failures before impacts occur. This includes where runoff into adjoining salt lakes could disrupt natural flows and filling cycles. Section 5.4.4 (page 246) states that it is critical to ensure the function and ongoing ecosystem health of residual sections of salt pans beyond the Development Footprint, however there are no commitments or relevant measures in Table 54. The fauna injury measure on page 268 states that the Traffic Management Plan will outline collision points for fauna. These locations need to be identified in the BDAR from the survey data. This measure also states that fauna awareness signs should be placed along access tracks where fauna are likely to cross but provides no locations. For example: the highest risk area for Pink Cockatoo vehicle collision is along the access route where potential breeding habitat was located (BDAR 4.3.3.4). Detail needs to be provided on how this risk can be mitigated against and where the mitigation would be focused. Section 5.3.7 identifies that noise and vibration impacts may be up to 1.5 kilometres from the site and occur both day and night. No measures are presented in Table 54 to minimise the disturbance to threatened fauna that may be breeding when clearing or blasting starts. The first noise, light and vibration measure in Table 54 (page 267) should identify any nesting or roosting threatened fauna within 1.5 kilometres that are at risk from noise and vibration impacts when clearing starts, such as the known locations for Pink Cockatoo or stick nests. As identified in the CPA RTS response, mitigation and management actions in BDAR sections 5.2 - 5.4 have not been adequately captured in Table 54. For example:

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	• Table 53 'Prescribed impacts to ecosystem threatened species' (page 259) indicates that threatened microbats recorded on the site may be at risk of vehicle strike during dawn and dusk. The stated mitigation is that the TMP recommends "vehicle movements do not occur at this time," but this measure is not specified in Table 54. • Section 5.3.5 'Weed Invasion' lists actions that "will be taken into account during pre-construction" however these are not included as commitments in Table 54 'Introduction of weeds' (page 269). As stated throughout the BDAR the site is surrounded by intact native vegetation. Machinery, vehicles and materials that are brought in need to be free of weed seeds, soil and propagules. CPA supports the third measure – commencing a pre-clearance weed survey – however the results must trigger control actions before identified infestations can set seed. More detail has been presented for monitoring in Tables 52 and 55 to 61, however the selection of some baseline data and monitoring parameters are unlikely to detect changes within timeframes needed for efficient responses. For example, in Table 60 vegetation integrity assessment is proposed to detect weed invasion. Targeted weed survey in and around disturbance areas (and where runoff increases water availability for introduced species) with reporting that triggers control actions is likely to be more effective.
CPHR Recommendation	• Number each measure or action in Table 54 with a unique identifier for auditing and monitoring. • Revise measures in Table 54 to include specific, feasible actions. Include actions and commitments from BDAR sections 5.2 to 5.4. • Provide locations for fauna vehicle strike mitigation measures, including (but not limited to), detailing how the risk to Pink Cockatoo from vehicle collision can be mitigated, where mitigation measures will be focused, and how monitoring will demonstrate that the measures are working. • Specify actions to manage surface water to maintain ecosystem health in fringing vegetation of retained salt pans (as per Section 5.4.4). • Revise Tables 55 to 61 to provide targeted monitoring to demonstrate success of actions in Table 54.

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Biodiversity Australia Response	Specific mitigation measures with clear commitments have been provided for all areas and stages of The Project within Appendix A-4. All tables and figures provided within this appendix are reflected in the revised BDAR Rev 6.0. The range of mitigation measures to be included in project planning documents and implemented at various strategic stages of The Project are clearly illustrated in Figure 6: Adaptive Management Plan mitigation measures in the Development Footprint Mine Site Area and Figure 7: Adaptive Management Plan mitigation measures in the Development Footprint linear Corridor Area. The revised tables provided are designed to address and manage specific mitigation requirements. Each table shows clear actionable commitments setting a standard which will be carried through into the post-approval mitigation framework. Table 7: Indirect and prescribed impacts Salt lakes – Adaptive management measures to manage residual impacts addresses the salt lake-specific mitigation measures directly. Table 8: Mitigation measures summary for The Project. The following tables have all been updated with specific actionable mitigation measure. Table 9: Vegetation Clearing, habitat loss and fragmentation Table 10: Noise, light and vibration Table 11: Increased Dust Table 12: Erosion and Sedimentation, hydrology and Environmental spills Table 13: Fauna Injury and Mortality Table 14: Introduction and spread of weeds, pests and pathogens Table 15: Anthropogenic impacts These tables are reflected in the revised BDAR Rev 6.0 Tables 52 and 54-61.
CPA Issue No.	**New issue 2**
CPA Issue	A complete BDAR must be provided.
CPA Comments	A Final BDAR has not been provided. While some information has been submitted to CPA as digital files, key information is missing from the appendices in the supplied BDAR (Rev 5.0, December 2025). Transparency would be improved with a list of appendices in the Table of Contents. Appendix headings without content are provided for the following: • Appendix A-3 Biodiversity Credit Report (provided as zip files) • Appendix A-5 Expert Report (provided as zip files) • Appendix A-6 Field datasheets (provided as zip files) • Appendix A-7 Preliminary observations of groundwater dependent ecosystems - Greenloaning Biostudies September 2022.

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CPHR Recommendation	• Provide a list of appendices in the BDAR Table of Contents. • Include content in the BDAR for appendices A-3, A-5, A-6 and A-7.
Biodiversity Australia Response	All appendices are now provided (embedded) within the BDAR (including A-3, A-5, A-6 and A-7) and are also reflected as a list in the Table of Contents as requested.

Appendix A

A-1 CPA Item 4.1 - Commitments to mitigate potential SAII to *Austrostipa nullanulla* in AMP

Table 1: ANAMP Mitigation Measures

Mitigation Measures	Timing	Responsible Party	Priority	Risk of Failure
Pest Management Herbivores comprising both of pest and native species are present throughout the Development Footprint. Exclusion fencing is to be installed surrounding the known extent of the *A.nullanulla* to manage the impacts of herbivory to *A.nullanulla*. Ongoing monitoring should be completed annually to determine the effectiveness of control. Monthly inspections of exclusion fencing and exclusion areas for pest impacts should be undertaken to ensure exclusion fencing is maintained in good condition.	Initial and ongoing monitoring (Preconstruction, Construction, Operation and Rehabilitation)	Qualified pest management contractor, Construction Manager	High	Low
Research Building on the research conducted by Dr John Hunter and Phil Grant in 2025, further research projects to determine the extent of *A.nullanulla* within the region are proposed to be undertaken. In conjunction with this research and improving upon unpublished research conducted by Phil Grant, the development of a Restoration Research Plan, Translocation Research Plan or Revegetation Research Plan should be undertaken to investigate the species-specific and site-specific revegetation/rehabilitation methodologies and requirements. Research plans should include management actions i.e. pest management, watering, soil preparation etc. to ensure the scientific rigor of undertaken research is maintained throughout the life of the projects.	Initial and ongoing (Preconstruction and ongoing as required)	Project Team, Universities	High	Medium
Population Dynamics Ongoing monitoring of the current extent of *A.nullanulla* within the Development Footprint as shown in Figure 83: SAII Impacts for *Austrostipa nullanulla* and its surrounds to determine population dynamics. Where monitoring indicates that the population/area of extent within the Development Footprint additional exclusion fencing will be required to be installed throughout the Development Footprint.	Annually (Sep-Dec 4 weeks following a significant rainfall event)	Project Team, Site enviro, Universities	High	Low
Seed Harvesting Manual seed collection and storage of viable material is required to be undertaken to provide a viable seed bank for research and future rehabilitation and remediation of impacted areas. Machinery should not be utilised to harvest seed from *A.nullanulla* to reduce potential impacts to established *A.nullanulla.*	Annually (Dec-Jan) (Preconstruction and ongoing as required)	Project Team, Universities, Site Enviro	High	Med
ANAMP Review The ANAMP is required to undergo an annual review to incorporate findings from conducted research, updated project planning requirements and timings.	Annually	Project Team, Universities, Site Enviro	Med	Low

Mitigation Measures	Timing	Responsible Party	Priority	Risk of Failure
Translocation site selection *A.nullanulla* is known to persist at several location in NSW, including two locations within the Wentworth region; Nanya Station and Nulla Station, with additional local nearby populations identified in Dr John Hunters 2025 *A.nullanulla* research report (Hunter 2025). The required approval to undertake translocation of *A.nullanulla* to Nanya and Nulla stations has not yet been requested. RZ resources has recently purchased local properties containing *A.nullanulla* tussocks and habitat in the region and adjacent to the proposed mine site, increasing and securing translocation site options.	Prior to translocation and construction with *A.nullanulla* species polygon (Preconstruction)	Project Team, Universities	Med	Low
Establishment and Management of Translocation sites Utilising the research undertaken in 2025 and further research to determine the extent of *A.nullanulla* within the region. Site selection will be determined by the ability to create semi-controlled natural environment where suitable habitat exists, and the management of pests, weeds and availability of water can be controlled.	Prior to translocation and construction with *A.nullanulla* species polygon (Preconstruction)	Project Team, Universities, Site Enviro	High	Low
Translocation Prior to the commencement of construction works within the identified *A.nullanulla* species polygon (Figure 83: SAII Impacts for *Austrostipa nullanulla*), translocation of the existing and newly germinated individuals of *A.nullanulla* should be translocated utilising a suitable method outlined in the NSW Translocation Operation Policy (NSW DPHIE 2019) and the Guidelines for the Translocation of Threatened Plants in Australia. (Australian Network for Plant Conservation 2018). Translocation should be undertaken during the growth period of *A.nullanulla* and immediately prior to forecasted rain to reduce watering requirements.	Prior to construction of areas containing *A.nullanulla* Sep-Dec (Prior to rainfall) (Preconstruction)	Project Team, Universities, Site Enviro	High	Med
Translocation monitoring Monitoring of translocated individuals of *A.nullanulla* is required to be undertaken on a regular basis to monitor responses to initial removal, placement and longevity of translocation. Monitoring should be undertaken weekly for the first 8 weeks following translocation, then monthly for 6 months, then annually.	Weekly (8 weeks following translocations) Monthly (8 months following translocation) Annually (10 months following translocation) (Construction and operation)	Project Team, Universities, Site Enviro	High	Low
Preservation of the natural seed bank The excavation and stockpiling of soils often leads to the degradation of soil structure and composition. *A.nullanulla* relies on specific windblown gypsum to provide suitable soil conditions for germination and growth. To preserve the natural seed bank and site-specific soil conditions (i.e. Gypseous soils), excavation of soils across the Development Footprint particularly within the *A.nullanulla* species polygon soil scalping is recommended.	Prior to construction of areas containing *A.nullanulla* (Preconstruction and construction)	Project Team, Universities, Site Enviro, Machinery Operators	High	Low

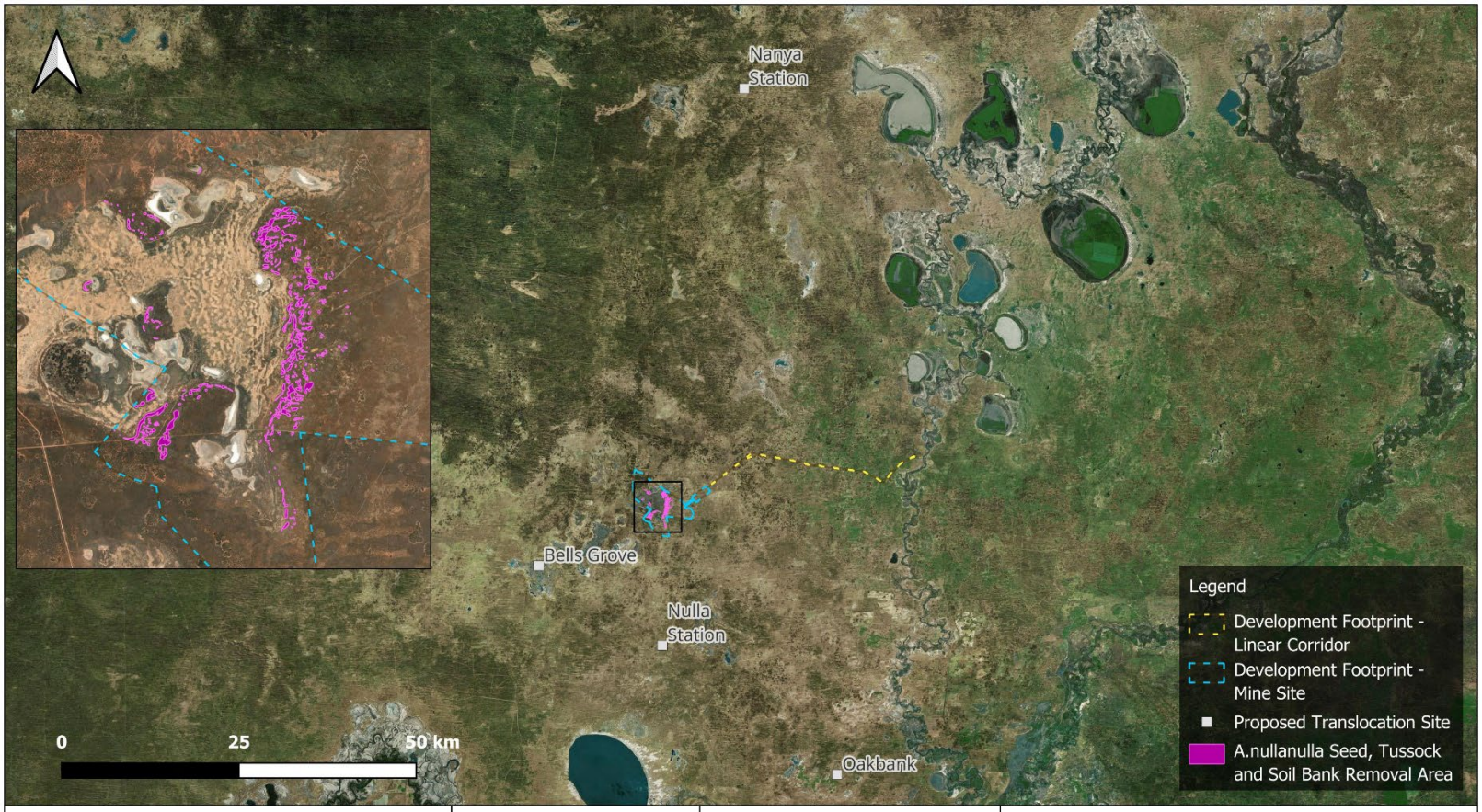
Mitigation Measures	Timing	Responsible Party	Priority	Risk of Failure
Soil scalping is a method of soil preservation utilised in revegetation where elevated nutrients (i.e. Nitrogen and Phosphorus) and high weed seed levels pose a threat to the success of revegetation. Soil Scalping is utilised in this situation to remove the top 100-150 mm (max 200 mm) preserving the natural seed bank and A-horizon nutrients for research into the revegetation and rehabilitation of *A.nullanulla* potential habitat. It is recommended that scalping be undertaken from 0-100 mm and 100-200 mm to further preserve the soil structure and avoid mixing of soil layers. Stockpiles of soils should be placed on and covered by a non-permeable material to reduce the potential of erosion and leaching of valuable nutrients. Where these soils are to be utilised for revegetation, remediation or research, soils should be placed in the reverse order of extraction to ensure maximum retention of nutrient levels and soil structure. Soil hygiene, disease and pathogen control measures are required to be considered when translocating soils off site.				

Table 2: *Austrostipa nullanulla* Adaptive Management Responses

Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
Pest management	To be collected via surveys.	Seasonal rainfall Seasonal pest population dynamics Seasonal changes in resources	PIR camera survey Trapping Ground shooting Exclusion fence monitoring Exclusion fence installation Monitoring for pest impacts within exclusion area.	Impacts from herbivorous pest species observed within exclusion areas Damaged exclusion fencing Identification of movement of pest species into the exclusion area. Identification of pest impacts within proposed translocation sites Lack of intact and good condition exclusion fencing at translocation sites	Increased control measures Exclusion fence inspection Exclusion fence repair Installation of Exclusion fences at translocation sites	Pest population monitoring results Pest population control results Exclusion fence monitoring	Results of pest management will inform the appropriate control measures required for future control of pests.
Population dynamics	Baseline survey conducted as part of BDAR to map species polygon of *A.nullanulla*	Seasonal rainfall	Targeted threatened flora surveys (Grasses)	Increase in area of extent	Installation of additional exclusion fencing around new individuals	Targeted survey results GIS spatial mapping of individuals	Results of ongoing monitoring will indicate the requirement for further exclusion and mitigation measures to be implemented
Soil testing	To be collected within the *A.nullanulla* species polygon prior to excavation and construction works commencing within the	Seasonal rainfall	Soil testing	Occurrence of soil pathogens/diseases within soils proposed for scalping.	Translocation to be undertaken on Subject Land or within close proximity to the Subject Land	Soil test results of soils to be scraped Soil test result of proposed translocation sites	Soil testing will determine the presence of soil pathogens and diseases. If scalped soils contain pathogens or diseases that are not present at offsite translocation areas, offsite

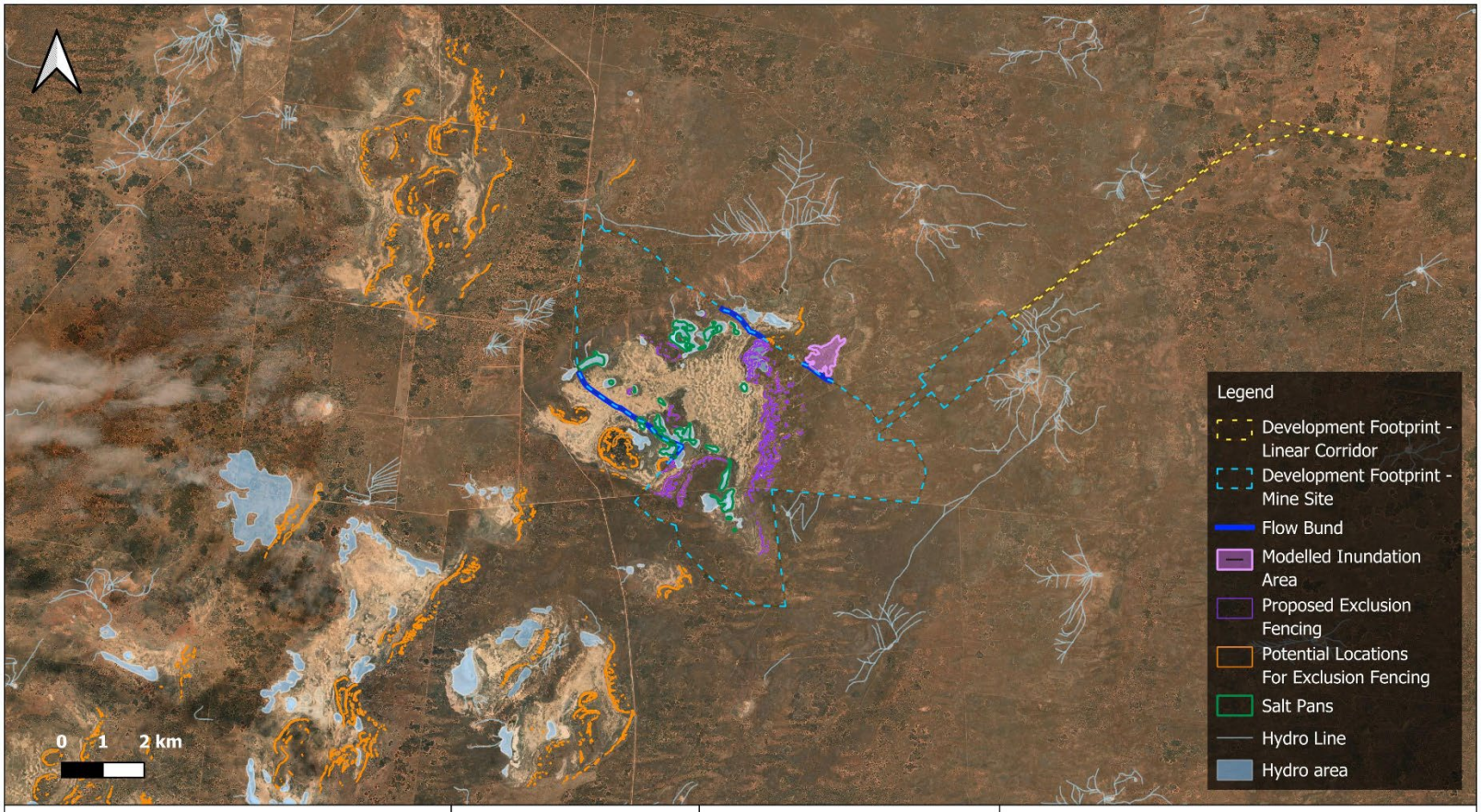
Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
	species polygon.						translocation should not be conducted.
Whole Plant Translocation	Total number of plants translocated	Seasonal rainfall Plant health	Total count	High proportion of translocation failure Below average rainfall	Research Plan to determine corrective measures Further seed collection from known populations Soil testing Increased watering schedule	Ongoing monitoring of cover and abundance	Research will determine the effectiveness of various whole plant translocation methodologies (i.e. various tubestock sizes, whole plant core vs. whole turves)
Direct seeding	Baseline data of existing cover and abundance of all species within direct seeding areas is required to monitor the establishment and germination of *A.nullanulla*	Seasonal rainfall and temperature Seed viability Soil nutrients	Total cover and abundance counts of *A.nullanulla*	No germination of *A.nullanulla* from direct seeding Below average rainfall Unsuccessful seed harvesting	Viability and germination testing of harvested seed Increased watering schedule Soil testing Additional seed harvesting from known populations Watering of established populations of *A.nullanulla*	Ongoing monitoring of cover and abundance. Successful seed harvesting.	Research will determine the effectiveness of various direct seeding methodologies and management techniques.
Seed Bank Translocation	Baseline data is not required as translocated soils will not contain established *A.nullanulla*. translocated soils will be void of vegetation until	Seasonal Rainfall and temperature Operator skills Machinery capabilities	Total cover and abundance of all regenerating species	No germination of *A.nullanulla* or other species Below average rainfall	Viability and germination testing of seed bank in controlled environment (i.e.. greenhouse) Soil testing Increased watering schedule	Ongoing monitoring of cover and abundance of all germination	Research will determine the effectiveness of seedbank translocation for *A.nullanulla*

Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
	watering/rainfall spurs germination				Additional direct seeding of *A.nullanulla*		



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.	Project Manager: NC	Figure Name: Translocation areas shown in Dr Hunter's map in his report	Biodiversity AUSTRALIA	
	Drawn by: NE	Location: Warwick Station		
	Date: February 2026	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
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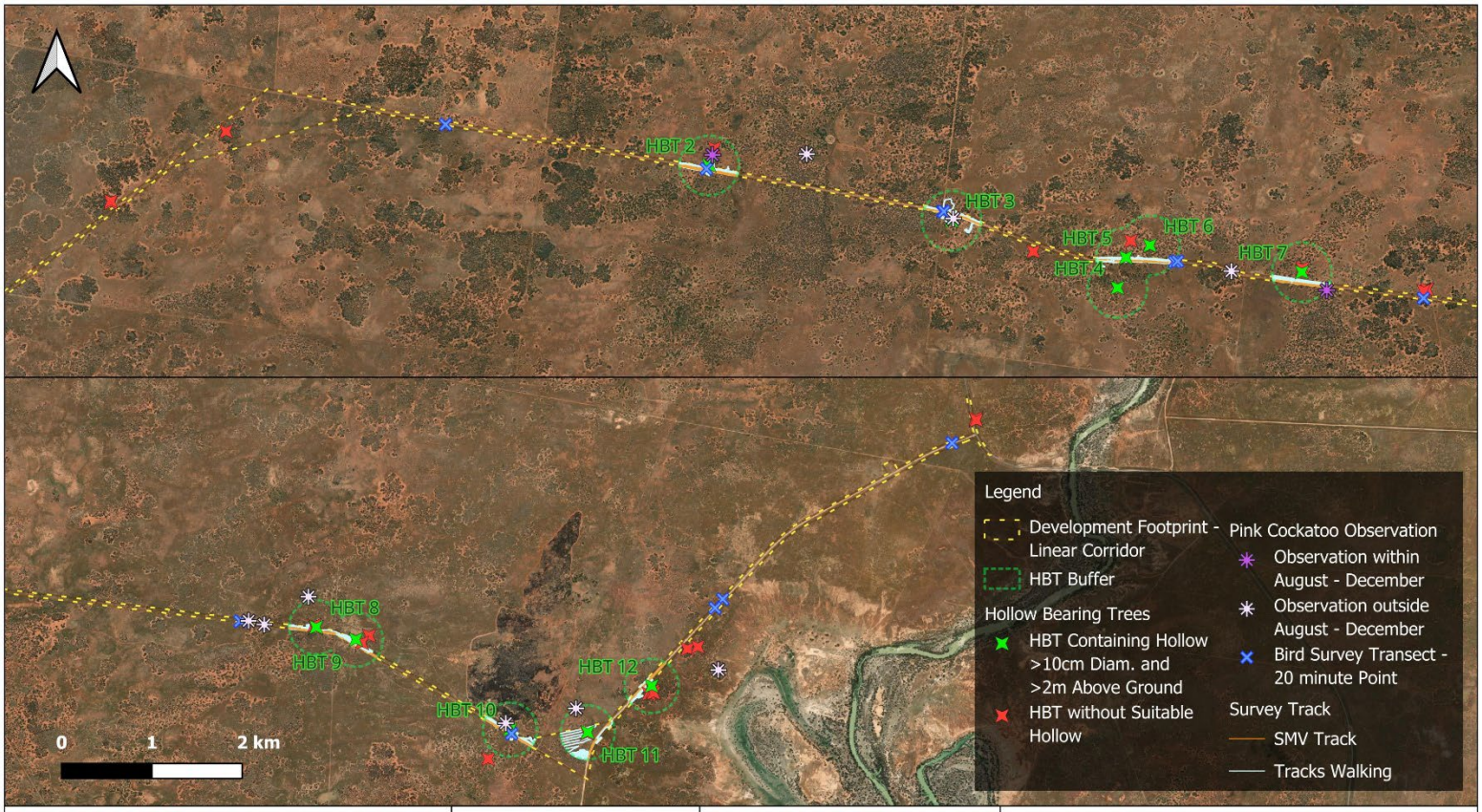
Figure 1: *Austrostipa nullanulla* translocation mitigation management measure locations within the Development Footprint Mine site area and destination sites in the surrounding properties



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	Drawn by: NE	Location: Warwick Station		
	Date: February 2026	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
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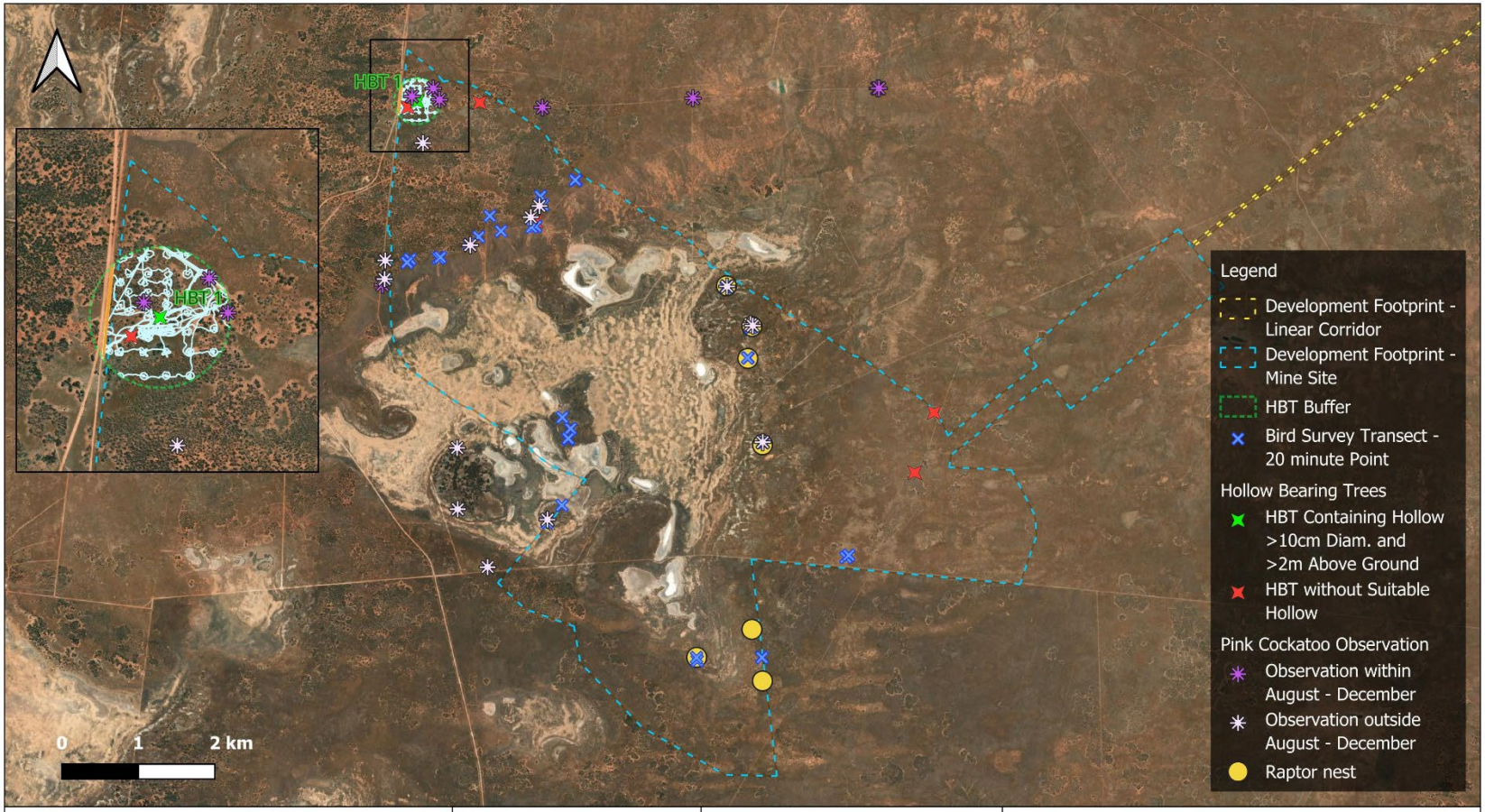
Figure 2: *Austrostipa nullanulla* Adaptive Management Plan showing mitigation management measures within the Development Footprint Mine Site area and the broader region

A-2 CPA Issue 12.2 - Targeted surveys in the breeding season for Pink Cockatoo



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	Drawn by: NE	Location: Warwick Station		
	Date: February 2026	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference:
				Scale: 1:50000

Figure 3: Survey Effort for Pink Cockatoo within the Development Footprint Linear Corridor area (11 x HBTs)



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Project Manager: NC	Figure Name: Pink Cockatoo Survey Effort - Mine Site
Drawn by: NE	Location: Warwick Station
Date: February 2026	Client: R.W. Corkery & Co.
Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
	Scale: 1:65000

Biodiversity AUSTRALIA

Figure 4: Survey Effort for Pink Cockatoo within the Development Footprint Mine Site area (1 x HBT)

Table 3: Survey Effort – Pink Cockatoo

Search Area	SMV (Km)	SMV (Hr)	Walking (Km)	Walking (hr)	Total SMV & Walk (Km)	Survey Pt (Hrs)	Total Hrs	Survey Days
HBT 1	15.76	0.79	46.62	10.36	62.38		11.15	34
HBT 2	33.79	1.69	12.15	2.70	45.94	2.66	7.05	37
HBT 3	25.72	1.29	11.94	2.65	37.66	2.66	6.60	35
HBT 4, 5, 6	28.44	1.42	26.54	5.90	54.98	2.66	9.98	38
HBT 7	19.38	0.97	12.50	2.78	31.88		3.75	33
HBT 8	14.86	0.74	3.61	0.80	18.48		1.55	27
HBT 9	14.37	0.72	10.38	2.31	24.74		3.02	34
HBT 10	17.24	0.86	13.57	3.02	30.81	2.66	6.54	27
HBT 11	9.05	0.45	9.33	2.07	18.39		2.53	19
HBT 12	9.71	0.49	3.97	0.88	13.69		1.37	19
Total	188.32	9.42	150.62	33.47	338.94	10.64	53.53	303.00

Table 4: Suitable Hollow Bearing Trees located within the Development Footprint

HBT No.	Species	DBH (cm)	Hollows >10 (cm)	Hollow Height (m)	Distance from Development Footprint (m)	Impact Type
1	Eucalyptus	50	3	2	0	Direct Clearance
2	Eucalyptus	32	1	3	21.978188	Indirect Retained
3	Eucalyptus	25	1	2.5	72.470422	Indirect Retained
4	Eucalyptus	35	2	1.65	318.150689	Indirect Retained
5	Eucalyptus	130	3	2.2	0.082916	Indirect Retained
6	Eucalyptus	30	1	3	153.61475	Indirect Retained
7	Eucalyptus	30	1	2.4	99.058104	Indirect Retained
8	Eucalyptus	28	4	2	10.613874	Indirect Retained
9	Eucalyptus	40	1	3	25.602204	Indirect Retained
10	Eucalyptus	30	1	2.5	9.248757	Direct Clearance
11	Casuarina	37	2	4.5	0	Indirect Retained
12	Casuarina	44	1	2.5	38.882866	Indirect Retained



Photograph 1: HBT1



Photograph 2: HBT



Photograph 3: HBT



Photograph 4: HBT 4



Photograph 5: HBT 5



Photograph 6: HBT 6



Photograph 7: HBT 7



Photograph 8: HBT 8



Photograph 9: HBT 9



Photograph 10: HBT 10

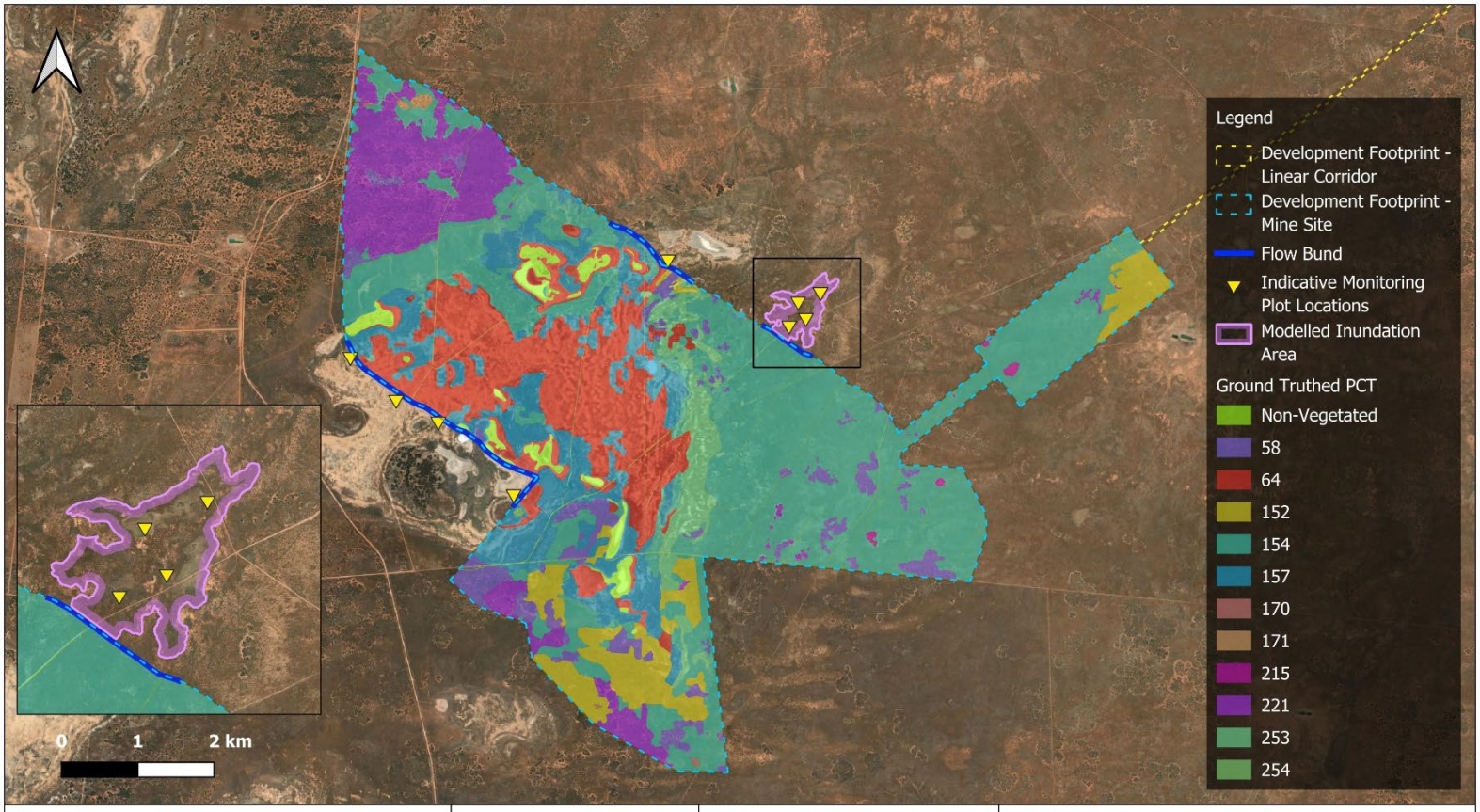


Photograph 11: HBT 11



Photograph 12: HBT 12

A-3 CPA Issue 14.4 - Prescribed impact assessment



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	Drawn by: NE	Location: Warwick Station		
	Date: February 2026	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54 Scale: 1:65000

Figure 5: Flow bunds and indicative inundation areas resulting from a ‘with mine’ storm event scenario

Table 5: PCT 154 Moderate vegetation zone values

VZ	VI	ARD VI without Management	Triger Value	Number of Plots	Plot Numbers
Moderate	34.2	-1.5	-3	42	42 - 75 & 78 - 85

Table 6: PCT 64 vegetation zone values

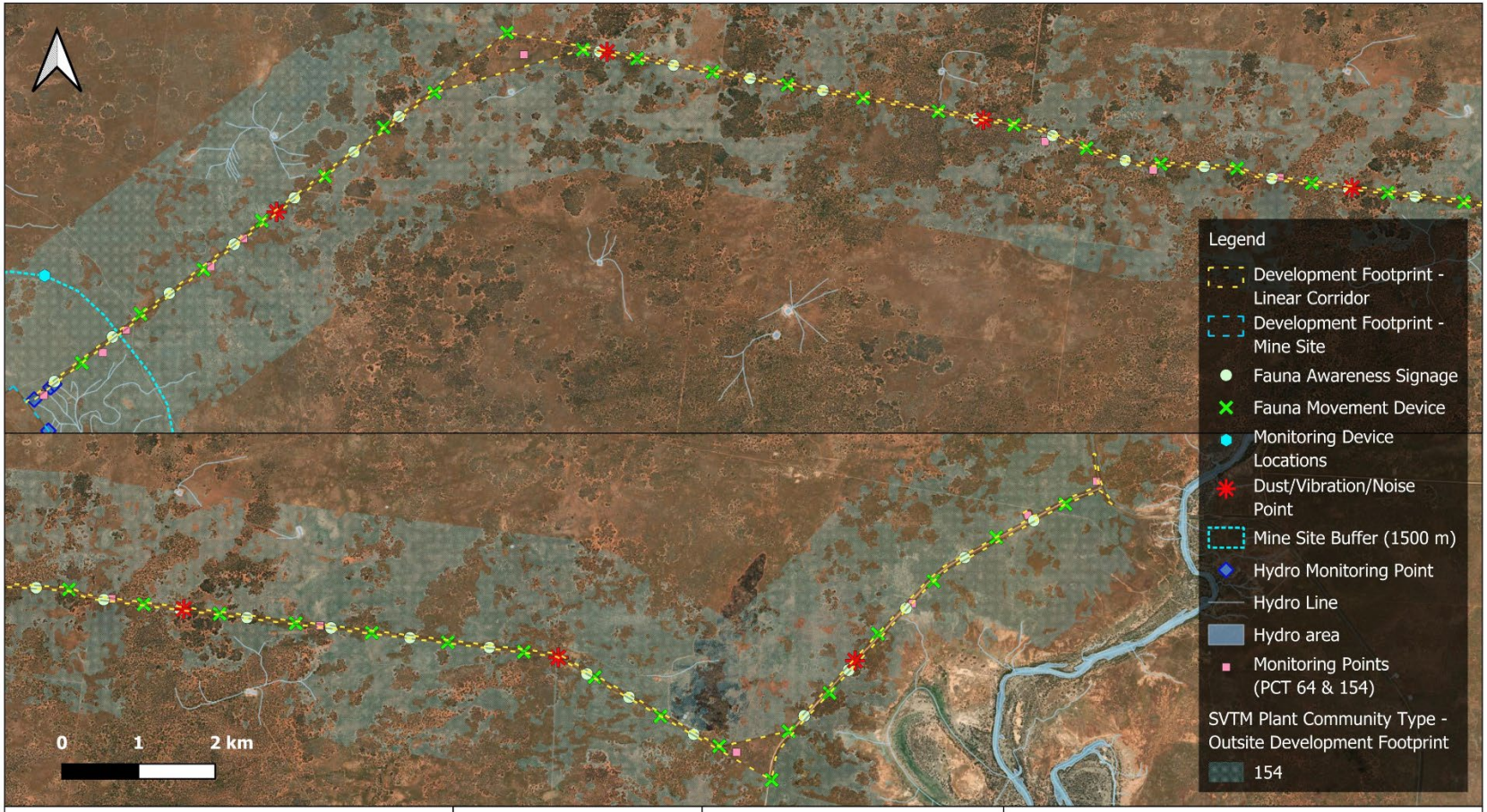
ZV	VI	ARD VI without Management	Triger Value	Plots	Plot Numbers
Mod-high	49.9	-1.8	-3.6	7	23, 24, 25, 26, 27, 28, 29
Mod	19.9	-0.9	-1.8	4	29, 30, 40, 41
Mod-Low	26.8	-1.5	-3	5	18, 19, 20, 36, 39
High	81.8	-1.1	-2.2	1	10

A-4 CPA RTS New Issue 1 - Mitigation measures



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	Drawn by: NE	Location: Warwick Station		
	Date: February 2026	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
				Scale: 1:80000

Figure 6: Adaptive Management Plan mitigation measures in the Development Footprint Mine Site Area



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	Drawn by: NE	Location: Warwick Station		
	Date: February 2026	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference:
				Scale: 1:65000

Figure 7: Adaptive Management Plan mitigation measures in the Development Footprint linear Corridor Area

Table 7: Indirect and prescribed impacts Salt lakes – Adaptive management measures to manage residual impacts

Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
Vegetation integrity	• PCT 64 VI assessments undertaken during "average" benchmark conditions • PCT 64 VI assessments undertaken during "dry" benchmark conditions (yet to be conducted) • PCT 154 VI assessments undertaken during "average" benchmark conditions • PCT 154 VI assessments undertaken during "dry" benchmark conditions (yet to be conducted)	• Seasonal rainfall will determine benchmarks against which VI scores will be compared	• Quarterly VI monitoring throughout PCT 64 and 154 See Figure 6 and Figure 7	• If VI scores fall below the baseline for 2 consecutive years. • Annual rate of decline (ARD) for PCT 154 is identified to be twice baseline ARD • Recorded VI of PCT 64 falls below 75% of baseline VI • Extended periods of inundation • Extended periods of no rain • Fire damage	• Engage hydrologist to investigate whether surface flow availability and bund effectiveness is adequate. • Increase monitoring frequency to every 3 months to monitor VI trends. • Retirement of Credits identified in Section 5.4.4 of the BDAR for PCT 154 • Calculate credit requirements for PCT 64 residual impacts if VI continues to decline despite adaptive management actions • Increased frequency of VI monitoring in response to extended periods of inundation.	• VI score trends	• Results of investigations into the causes of VI declines will be used to inform ongoing management
Soil monitoring	• Soil sampling is required to be undertaken prior to impacts occurring within the Development Footprint in order to establish a baseline.	• Soil monitoring must be undertaken following high rainfall events	• Quarterly monitoring and reporting of Soil sampling throughout PCT 64.and 154 See Figure 6 and Figure 7	• Greater than 20% change in soil salinity.	• Engage Geologist and hydrologist to investigate remediation actions. • Increase monitoring to monthly to determine trends in soil quality	• Soil salinity trends	• Results of investigations into the causes of change to Soil salinity will inform ongoing management

Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
					• Application of soil ameliorants • Prepare a report outlining the investigation into the changes		
Salt Lake Invertebrate utilisation	• Establish a baseline through diurnal invertebrate surveys undertaken at all salt lakes during spring prior to development	• Climate, migratory patterns and environmental conditions	• Annual monitoring of salt lake utilisation by invertebrates conducted within spring. See Figure 6 and Figure 7	• Reduction in observed invertebrate fauna occupation of unimpacted	• If a reduction in the utilisation of Salt Lake by invertebrate species is observed, monitoring should be conducted over multiple periods during Spring.	• Trend in Invertebrate utilisation of Salt lakes	• Results of utilisation of salt lakes will inform ongoing management and if further biodiversity credits are required to be retired.
Monitoring of ground water drawdown	• Outlined within the Copi Mineral Sands Project Groundwater Impact Assessment	• Effects of seasonal rainfall must be considered.	• Monitoring methods are to follow those outline in the Copi Mineral Sands Project Groundwater Impact Assessment. • Monitoring will occur at increased frequency during actions that are likely to cause groundwater drawdown. See Figure 6 and Figure 7	• Expected timeline of water drawdown exceeded beyond identified limits. These limits will be defined in the updated Groundwater modelling. To be guided by updated water drawdown modelling. i.e. • Groundwater drawdown exceeds modelled depths.	• Increased monitoring of water retaining embankments. • Prepare a report outlining the investigation into the changes • Repairs undertaken in water retention embankments • Increased number of water retention embankments • Review of Groundwater Model	• Groundwater depths and duration of drawdown.	• Results of investigations will outline ongoing management actions and determine if further mitigation measures are required to be implemented
Salt lake water quality	• Establish baseline through water sampling of Salt Lakes prior to	• Seasonal rainfall	• Flow bunds are required to be monitored	• Monitoring of Salt Lake water quality identifies greater	• Reduce volume of groundwater extracted.	• Water quality – organic and inorganic compounds,	• Results of investigations will outline ongoing management

Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
	impacts where achievable.		following heavy rainfall • Flow bunds are to be inspected weekly for damages • Water Quality testing See Figure 6 and Figure 7	than 20% change in parameters • Damaged Flow bunds	• Source water from elsewhere. • Increased monitoring of Flow Bunds. • Repairs undertaken to Flow Bunds • Increased size of Flow bunds • Repairs are to be undertaken within no more than 14 days of identification	sedimentation etc.	actions and determine if further mitigation measures are required to be implemented
Mine water Use	• Establish baseline once development begins	• High rainfall events will likely increase volumes. • Drought conditions will likely increase evaporation rates and reduce pond levels	• Monthly Monitoring and reporting of: • Bore Pumping Volumes • Water return volumes • Evaporation rates • Pond water levels • Dredge and sand pumping volumes See Figure 6 and Figure 7	• Monitoring of Mine water usage as outlined in the Copi mineral Sands Project – Groundwater Impact Assessment, reports a greater than 20% increase in projected usage	• Replace monitoring infrastructure • Increased water monitoring • Prepare a report outlining the investigation into the changes •	• Volume of water consumed.	• To be guided by Groundwater impact Assessment (i.e. Greater than 150% change in Mine water usage)
Groundwater quality	• Outlined within the Copi Mineral Sands Project Groundwater Impact Assessment	• High rainfall and drought events will likely influence groundwater quality. • Groundwater drawdown is likely to influence	• Quarterly monitoring and reporting of bore water quality. See Figure 6 and Figure 7	• To be guided by Groundwater impact Assessment (i.e. Greater than 50% change in groundwater parameters)	• Increased monitoring of groundwater quality • Investigation of groundwater changes	• Groundwater quality trends	• Results of investigations will outline ongoing management actions and determine if further mitigation measures are

Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
		groundwater quality.			• Repair of groundwater and waste water		required to be implemented
Flow, watercourse function and flooding	• Outlined within the Copi Mineral Sands Project Amended Surface Water Assessment	• High rainfall and groundwater drawdown is likely to influence flow, watercourse function and flooding	• Flow bunds are required to be monitored following heavy rainfall • Flow bunds are to be inspected weekly for damages • Repairs are to be undertaken within no more than 14 days of identification See Figure 6 and Figure 7	• Damages to flow bunds • Increased frequency of rainfall events • Identification of additional inundation areas	• Increased monitoring of Flow Bunds. • Repairs undertaken to Flow Bunds • Increased size of Flow bunds • Engage hydrologist to investigate whether surface flow availability and bund effectiveness is adequate. • Increase monitoring frequency to every 3 months to monitor impacts.. • VI score trends.	• Rainfall data, evaporation, groundwater depths and duration of drawdown, VI score trends	• Results of investigations will outline ongoing management actions and determine if further mitigation measures are required to be implemented

Table 8: Mitigation measures summary for The Project

Impact	Number	Mitigation measures	Timing	Responsible party	Risk of failure
Project Planning	P-1	The preparation and planning of or implementation of the below management plans must be completed prior to construction works commencing. ○ Operational Environment Management Plan ○ Construction Environment Management Plan ○ Biodiversity Management Plan	Pre construction (Plans updated as required)	Construction Manager, Health, Safety and Environment (HSE) Manager	Low

Impact	Number	Mitigation measures	Timing	Responsible party	Risk of failure
		○ Vegetation Management Plan ○ Rehabilitation Management Plan ○ Research Plan ○ Rehabilitation Research Plan ○ Revegetation Research Plan ○ Translocation Plan ○ *Austrostipa nullanulla* management Plan ○ Biosecurity Management Plan ○ Soil Erosion and Sediment Control Plan ○ Air Quality Management Plan ○ Topsoil Management Plan ○ Stormwater and Runoff Management Plan ○ Traffic Management Plan ○ Waste Management Plan The above plans are required to outline the following: ○ Responsible Parties for each management action ○ Responsible parties for auditing and compliance ○ Environmental objectives and outcomes ○ Spatial mapping ○ Performance criteria/ milestones ○ Completion Criteria ○ Evidence based risk assessment ○ Monitoring and auditing requirements ○ Compliance Reporting requirements ○ Contingency/Adaptive management measures The above plans will be prepared by suitably qualified personnel and reviewed by RW Corkery and RZ Resources Limited prior to implementation.			
	P-2	The Biodiversity Management Plan must be prepared identifying the Flora and Fauna mitigation measures	Pre construction	Construction Manager,	Low

Impact	Number	Mitigation measures	Timing	Responsible party	Risk of failure
		for each phase of The Project. The BMP will include strategies to limit and reduce potential impacts on vegetation and habitat. Primary objectives of the plan will blueprint: • Roles and responsibilities of personnel and auditing plan. • Details of relevant flora and fauna (especially threatened species) to be protected during all phases of The Project, including: ○ Extent and conditions of the habitats within the Development Footprint. ○ Species, habitat and breeding places/season. ○ Protocols to limit fauna injury and mortality, including management risks associated with open excavations, increased traffic and responses and reporting for roadkill and adverse incidents. ○ Protocols to ensure The Project does not provoke threats to fauna habitat, including exotic species (weeds/pests), road incidents and bushfires. ○ Display plans of areas to be cleared in stages and areas to be protected, including fauna movement corridors, habitat features, 'no go zones' and rehabilitation areas. ○ Pre-clearing protocols, including pre-clearing inspections, establishment of exclusion zones and ground identification of specific habitat features to be inspected and possibly retained. ○ Framework vegetation clearing protocols, including species-specific clearing requirements for *Austrostipa nullanulla* (Nulla spear-grass), fauna relocation management procedures and any specified seasonal limit on clearing activities.	(Plans updated as required)	Health, Safety and Environment (HSE) Manager	

Impact	Number	Mitigation measures	Timing	Responsible party	Risk of failure
		○ Display plans of the area to be impacted within the Development Footprint and adjoining areas outlining the location of key constraints including Native Vegetation, flora and fauna habitat, nests and breeding places. ○ Demands for temporary and permanent fencing to minimise the risk of fauna injury/mortality due to vehicle strike or entrapment during excavations. ○ Unpredictable threatened species find procedures, including outlining the process of stopping works, engaging a qualified ecologist to confirm the presence, contacting government regulators, securing any approvals required and restarting work. ○ Revegetation and Rehabilitation requirements for disturbed areas, no longer required for active use or construction, particularly within Native Vegetation, threatened species habitat, watercourses and drainage features. • Inclusion of various related sub plans ○ Vegetation Management Plan ○ Rehabilitation Management Plan ○ Fauna Management Plan ○ *Austrostipa nullanulla* Adaptive Management Plan ○ Stormwater and runoff Management Plan ○ Soil Erosion and Sediment Control Plan ○ Biosecurity Management Plan ○ Traffic Management Plan ○ Waste Management Plan ○ Air Quality Management Plan ○ Research Plan			

Impact	Number	Mitigation measures	Timing	Responsible party	Risk of failure
		○ Rehabilitation Research Plan ○ Revegetation Research Plan ○ Translocation Plan			
	P-3	A Vegetation Management Plan (VMP) is to be prepared, implemented and audited as part of the OEMP, CEMP and BMP. The constitutional objectives of the plan will display: • Roles and responsibilities of personnel implementing and auditing the plan. • Requirements for clearing vegetation around saline plains and drainage features. • Display maps and plans of the areas to be cleared and areas to be protected, 'No go Zones,' and proposed rehabilitation areas. • Outline pre-clearing protocols including establishment of exclusion zones and on-ground inspection of vegetation to be retained. • Outline vegetation clearing protocols, including sequential/stage clearing requirements • Protocols to reclaim and relocate woody debris, tree hollows and boulders/rocks. • Design and construction solutions are to be explored to minimise impacts to vegetation proposed for retention during construction following AS4970-2009 - Protection of trees on development sites and AS43-73-2007- Pruning of amenity trees. • Locate infrastructure and construction amenities and areas (Access, laydown areas, site offices, parking, fencing, stockpiles and storage) within cleared or disturbed areas, outside of the exclusion zones or vegetation to be retained. • Inclusion of various related subplans ○ Rehabilitation Management Plan ○ *Austrostipa nullanulla* Adaptive Management Plan	Pre construction (Plans updated as required)	Construction Manager, Health, Safety and Environment (HSE) Manager	Low

Impact	Number	Mitigation measures	Timing	Responsible party	Risk of failure
		○ Stormwater and runoff Management Plan ○ Soil Erosion and Sediment Control Plan ○ Biosecurity Management Plan ○ Waste Management Plan ○ Research Plan ○ Rehabilitation Research Plan ○ Revegetation Research Plan			
	P-4	An *Austrostipa nullanulla* Adaptive Management Plan will be developed to manage and mitigate impacts to known individuals of *A.nullanulla* within the subject Land. Preliminary mitigation measures are listed in section 5.6.8.	Pre construction (Plans updated as required)	Construction Manager, Health, Safety and Environment (HSE) Manager	Low
	P-5	Prepare, implement and audit an Erosion and Sedimentation Control Plan (ESCP) and Stormwater and runoff management plan following the International Erosion Control Association Australasia (IECA). *'Best Practice Erosion and Sediment Control Document'* (IECA, 2008) as part of the CEMP and outlining measures for the prevention of erosion and sedimentation during construction. The ESCP must include: • Suitable measures for erosion prevention including treatment of all bare exposed ground with the adequate crusting agent during extended construction works as soon as practicable upon construction completion. • Planning to minimise risk and manage sedimentation. • Chemical Spill Procedures to manage potential contaminants during construction. Refuelling, chemical storage and maintenance activities are undertaken in designated areas away from environmentally sensitive areas. Containment areas will be designed and managed following relevant regulatory requirements and standards.	Pre construction (Plans updated as required)	Construction Manager, Health, Safety and Environment (HSE) Manager	Low

Impact	Number	Mitigation measures	Timing	Responsible party	Risk of failure
		Include groundwater quality monitoring and management measures. See Figure 6 and Figure 7			
	P-6	Prepare, implement and audit a Traffic Management Plan for the movement of vehicles within the Subject Land. This Plan must identify mitigation measures and adaptive management actions to mitigate the impacts of increased traffic within the Subject Land. Mitigation measures must include but are not limited to; ○ Speed Restrictions ○ Fauna movement devices ○ Fauna awareness signage ○ Identification of Fauna hotspots ○ Speed control devices Vehicle movement exclusions/reductions (reduction of vehicle speed and numbers during dusk and dawn)	Pre construction (Plans updated as required)	Construction Manager, Health, Safety and Environment (HSE) Manager	Low
	P-7	Prepare, implement and audit a Biosecurity management plan (BSMP) as part of BMP, OEMP & CEMP The BSMP must identify site specific mitigation measures to reduce the impacts of weeds, pests and pathogens on native vegetation within the Subject Land. Management measures must include but are not limited to: • Preclearance Weed Census • Targeted annual Weed Species Census • Methods for prevention of introduction and/or spread of weeds, pests and pathogens. • Weeds, pests and pathogens monitoring, management measures and control. • Targeted Monthly Weed surveys in high traffic areas, washdown areas, around water sources and pathways, disturbance roadsides, storage and stockpiles. Locations of surveys to be confirmed after an initial sitewide survey which	Pre construction (Plans updated as required)	Construction Manager, Health, Safety and Environment (HSE) Manager	Low

Impact	Number	Mitigation measures	Timing	Responsible party	Risk of failure
		identifies key areas of concern and included these in the BSMP and VMP. • All plant and machinery present on site and entering the site is certified as weed free • All plant, vehicles, equipment, PPE and clothing must be adequately cleaned and free of weeds, dirt and other materials that may contain weed seeds or pathogens prior to entering and exiting the subject Land. • Appropriate collection and disposal of all weed material to a licensed facility • Ongoing weed management throughout all stages of the development including the operational phase and rehabilitation. • New weed invasions are controlled within 2 weeks of identification • Exclusion fencing installed to mitigate the spread of weeds into adjacent retained vegetation • Monthly Monitoring of adjacent vegetation for weed infestations			
	P-8	Prepare, implement and audit a Waste management plan as part of BMP, OEMP & CEMP The WMP must identify site specific mitigation measures to reduce the impacts of waste generated from increased anthropogenic impacts within the region. Mitigation measures must include but are not limited to; ○ Identification of waste disposal facilities ○ Monitoring program ○ Adaptive management measures Waste management protocols i.e. monthly waste inspection, monthly waste collection etc.	Pre construction (Plans updated as required)	Construction Manager, Health, Safety and Environment (HSE) Manager	Low
General	G-1	All site personnel to attend environmental training as part of the work site induction prior to entering the work site. All personnel will be instructed on their obligations for vegetation clearing protocols, maximum speed limits and biosecurity procedures.	Pre-construction, construction and operation.	Construction Manager, Health, Safety and	Low

Impact	Number	Mitigation measures	Timing	Responsible party	Risk of failure
				Environment (HSE) Manager	
	G-2	Preparation, implementation, review and planning of management and mitigations actions outlined within the plans identified in Section 5.5.	Pre-construction, construction and operation.	Construction Manager, Health, Safety and Environment (HSE) Manager	Low
Vegetation Clearing, habitat loss and fragmentation	V-1	Minimise the clearing footprint wherever feasible including avoiding/minimising clearing to mapped and ground-truthed Biodiversity Values (Figure 82), threatened species and communities, saline plains, groundwater, watercourses and drainage features and Native Vegetation.	Pre-construction	Project Design Team, Construction Manager, HSE Manager, Qualified Ecologist	Medium
	V-2	Safeguard vegetation clearing boundaries and 'No go Zones' for areas that may support HBT, threatened species breeding, foraging and shelter habitat, active microhabitat features and within proximity of watercourses and saline plains are established with appropriate signage and visible and physical markings. High visibility tape, barricade webbing or similar must be applied. If fencing or flagging is in poor condition, it must be replaced as practical to reduce the potential of accidental disturbance or clearing.	Pre-construction & Construction		Low
	V-3	Temporary construction areas will be rehabilitated as soon as possible after the completion of construction and operation works to reconnect fragmented habitats. This will be reflected where appropriate in the VMP and RMP.	Construction	HSE Manager	Medium
	V-4	A qualified fauna spotter catcher must be engaged prior and during any vegetation clearing to ensure that legislative obligations related to protect native fauna are met. The responsibilities of the fauna spotter catcher will ensure that: • Hollows to be inspected prior to clearing using inspecting cameras, work platforms, or other suitable methods.	Pre-construction & Construction	Construction Manager, HSE Manager, Fauna Spotter Catcher	Low

Impact	Number	Mitigation measures	Timing	Responsible party	Risk of failure
		• Clearing only occurs once a spotter/catcher gives sign off that vegetation has been inspected and is clear of native fauna present within the area. • Clearing commence within areas with least connectivity and directs fauna towards retained areas, towards Native Vegetation surrounding the Development Footprint. • Clearing in sequence to ensure adequate time for fauna to find refugia towards retained areas.			
	V-5	During Vegetation Clearing: • Qualified fauna spotter catcher to be present at all times. • Undertake stage clearing sequences to minimise the amount of clearing in one time • Stockpile cleared vegetation within clearing limits and retained topsoil and vegetation for on-site rehabilitation. • Hollow Bearing Trees to be slow felled to minimise the chances of fauna injury or death and must be inspected by a qualified fauna spotter catcher to confirm no injured wildlife is present.	Construction		Low
	V-6	If works extend outside of the approved impact area, a record is to be created in the incident management provisions, and an investigation will be undertaken as to why works extend outside the approved area.		Construction Manager, HSE Manager	Medium
	V-7	Exclusion fencing along the Linear Corridor Development footprint will include installation of one-way fauna movement devices allowing fauna within the development footprint to move out of the development footprint. These devices will be installed at 1 km intervals on alternating sides of exclusion fencing along the linear corridor development footprint.	Pre-construction, Construction	Construction Manager, HSE Manager	Medium
	N-1	The BMP OEMP and CEMP are required to include measures to monitor and mitigate the air quality,	Pre-construction		Medium

Impact	Number	Mitigation measures	Timing	Responsible party	Risk of failure
Noise, light and vibration		noise and vibration risks associated with the proposed activity in accordance with the *Construction Noise and Vibration Strategy* (Transport for NSW, 2019), Construction Noise Guideline (DECC, 2009), especially in areas with proximity of EECs or threatened species habitat. The BMP and CEMP would include a noise and vibration management plan to provide the framework for managing and mitigating potential construction noise and vibration impacts. Specific and active construction noise and vibration impact statements would detail standard and additional mitigation measures to be implemented based on predicted noise levels.		Construction Manager, HSE Manager	
	N-2	Restrictions of operational and construction work hours to daylight periods. Where night works are required, lights must be directed to minimise light spills into adjacent habitats and to reduce noise and vibration impacts on nocturnal fauna species.	Pre-construction, construction and operation.		
	N-3	Wildlife-friendly lighting must be considered, designed and installed where suitable. For example, light impacts are to be minimised through the use of sensor lighting for low traffic areas and/ or directional lighting for high traffic areas.			
	N-4	Construction vehicles must comply with maintenance schedules and operational restrictions designed to limit noise and light spill impacts during construction and operation phases.			
	N-5	Where vibration levels are predicted to outpace the screening criteria, a more detailed assessment of the structure and vibration monitoring must be undertaken to ensure vibration levels remain below appropriate limits for that structure. See Figure 6 and Figure 7			
	N-6	Monitoring stations for Noise and vibration are required to be installed within 1.5km of the mine site development footprint to monitor impacts on fauna and vegetation.			

Impact	Number	Mitigation measures	Timing	Responsible party	Risk of failure
		See Figure 6 and Figure 7			
	N-7	Important fauna habitat within 1.5km of the mine site development footprint should be identified prior to construction works. Monitoring of these locations should be undertaken prior to, and during/following activities that result in and increase in noise and vibration i.e. blasting and vegetation clearing. See Figure 6 and Figure 7			
Increased dust	D-1	The BMP, CEMP and OEMP are required to include monitoring of air quality and dust creation. Monitoring must include stationary monitoring devices placed strategically within and outside the development footprint to monitor dust levels. See Figure 6 and Figure 7	Pre-construction, construction and operation.	Construction Manager, HSE Manager.	High
	D-2	Dust suppression devices must be utilised throughout the development footprint. These will include but are not limited to; water carts, impermeable membrane covers and sprinkler systems.			
	D-3	Dust suspension monitoring to be carried out within proximity of EECs, internal unsealed access roads and other disturbed areas. Whenever possible engage watering polymer application to limit generation of dust.			
	D-4	All temporary stockpiles are to be covered, stabilised and/or moistened as required to minimise dust generation.			
	D-5	Dust inspections are to be undertaken daily to ensure construction activities are not generating excessive dust near sensitive receivers specified in the CEMP.			
Erosion and Sedimentation, hydrology and	E-1	All drainage and hydrological features to comply with accepted development requirements for operational work. These standards will be clearly outlined in the CEMP.	Pre-construction, construction.	Construction Manager, HSE Manager.	Low

Impact	Number	Mitigation measures	Timing	Responsible party	Risk of failure
Environmental spills	E-2	Monitoring soil and groundwater salinity. The most salt tolerant species *Tecticornia pergranulata* subsp. *pergranulata*, which is an indicator species for PCT 64, is not likely to be able to utilise groundwater with such extreme salinity levels of 61 g/l (10,167 mS/m). Groundwater within the Assessment Area is likewise too saline to support other, less salinity tolerant plant community types, such as Groundwater Dependent Ecosystems (GDEs).			Low
	E-3	Monitoring of Vegetation Integrity Plots within PCT 154 and PCT 64 outside of the Development Footprint to identify impacts of hydrological changes within the region. See Figure 6 and Figure 7	Pre-construction, construction, operation and rehabilitation	Site Environmental officer,	Low
Fauna Injury and Mortality	F-1	Prepare, implement and audit a Traffic Management Plan that outlines the current and expected flow of vehicle (and pedestrian) movements and identifies potential collision points for terrestrial fauna along the Development Footprint – Linear Corridor.	Pre-construction, construction.	Construction Manager.	Low
	F-2	Speed limits on arterial roads and on/off ramps with appropriate signage. It is recommended vehicles maintain a designated speed limit of 80 km/hr or lower along arterial roads and on/off ramps within the Proposed Development Footprint.	Construction and operation.	Construction Manager.	High
	F-3	Vehicle operations to be limited during dawn and dusk periods to avoid fauna collision with nocturnal animals while visibility is impaired. Where operations must be conducted, vehicle speeds are to be reduced by at least 50% to increase response time to potential fauna collisions.			Medium
	F-4	Vehicle access exclusion fencing to be established around cleared areas in locations of known threatened fauna habitat, or activity to prevent wildlife from returning to work areas.			Medium
	F-5	Install fauna awareness signage in locations along access tracks where native fauna are likely to cross. See Figure 6 and Figure 7			Low

Impact	Number	Mitigation measures	Timing	Responsible party	Risk of failure
	F-7	Rehabilitation of temporary construction areas is to be undertaken sequentially and as soon as practicable after clearing. If areas cannot be rehabilitated, temporary fencing is to be erected to avoid fauna injury/mortality.	Pre-construction, Constructions, Operation, Rehabilitation	Construction Manager, HSE Manager.	Medium
	F-8	Install temporary fencing around deep trenches where fauna has the potential to be entrapped.	Pre-construction, construction.	Construction Manager, HSE Manager	Low
	F-9	It is recommended that the boundary of the Development Footprint is fenced to exclude fauna from the within Development Footprint. It is also recommended that Fauna exclusion fencing must: • be of a suitable height to exclude all local fauna • be dug into the ground to prevent burrowing fauna from entering the Development Footprint • contain minimal barbed wire • not include 90^{O} corners to reduce injury to fauna • gaps, entry and exit points in exclusion fencing should include "wings" to guide fauna away from the entrance and fauna deterrent sirens to reduce the potential movement of fauna into the Development Footprint • include the installation of one-way fauna movement devices allowing fauna within the linear corridor development footprint to move out of the development footprint. These devices must be installed on alternating sides at 1 km intervals along exclusion fencing for the linear corridor development footprint.	Installation (Pre-construction and Construction) Maintenance and monitoring (Construction, Operation and Rehabilitation)	Construction Manager, HSE Manager, Site Enviro	Low
Introduction and spread of weeds, pests and pathogens	W-1	Prepare implement and audit a Biosecurity Management Plan. All reasonable and practical measures must be considered to minimise the risks and threats associated with weeds, pests and pathogens. Mitigation measures may include but are not limited to; • Designated washdown facilities	Pre-construction, construction.	Construction Manager, HSE Manager	Medium

Impact	Number	Mitigation measures	Timing	Responsible party	Risk of failure
		• Designated Boot scrub stations • Weed and seed certification of machinery, equipment and vehicles entering the subject land • All vehicles, machinery and equipment are to be free of all weed seed, debris and soil prior to entering and exiting the subject land • Designated parking areas for vehicles and machinery • Installation of cattlegrids to reduce the spread of soil, mud and debris from vehicles entering and exiting the subject land • Ongoing Weed and Pest management within the Subject Land and Development Footprint. • Annual weed census monitoring • Monthly weed census monitoring of infested areas, dispersal pathways and disturbed areas. • Installation of exclusion fencing along the boundary of the development footprint to prevent works from entering and impacting adjacent retained vegetation. • Treatment of new weed infestations within 2 weeks of identification and prior to seeding • Appropriate collection, storage and disposal of weed materials to a licensed facility.			
	W-2	Commence a pre-clearance weed census and reporting displaying the requirements for treatment and management actions, which are to be implemented and reported in accordance with the OEMP, CEMP, BSMP, BMP and VMP.	Pre-construction, construction.		
	W-3	Install and maintain appropriately designed exclusion fencing around the Development Footprint to prevent access by herbivores (kangaroos, goats, rabbits) and other feral grazers, protecting vegetation from browsing and grazing impacts.	Pre-construction, construction	Construction Manager, HSE Manager	Medium

Impact	Number	Mitigation measures	Timing	Responsible party	Risk of failure
	W-4	Establish additional protective fencing around areas of suitable habitat for *Austrostipa nullanulla* and all rehabilitated sections within the Development Footprint to safeguard regenerating vegetation from herbivore disturbance.			
	W-5	Removal of Goats from the Development footprint and Subject Land in accordance with the methodologies outlined within the Biosecurity Management Plan (BSMP) (i.e. Trapping and ground shooting).			
Anthropogenic impacts	A-1	Mitigation measures and monitoring rubbish dumping is to be promoted, implemented and audited as part of the Biodiversity Management Plan.	Pre-construction.	Construction Manager, HSE Manager	Low
	A-2	Suitable waste disposal facilities will be provided as part of the development implementation and audit of the Waste Management Plan, associated with CEMP and OEMP where information related to when and how waste must be stored and routinely transported off-site to waste disposal facilities within the LGA.	Pre-construction, construction.		
	A-3	Rocks, fallen timber and logs must remain on site and the wood collection for fire camps must not be permitted.	Construction, operation.	Construction Manager, HSE Manager	Medium

Table 9: Vegetation Clearing, habitat loss and fragmentation

Requirement	1. Baseline data against which monitoring will occur	2. 2. Seasonal changes to resources that are relevant to the impacts being monitored	3. 3. Monitoring methods (Incl. frequency, timing, reporting)	4. 4. Trigger values for adaptive management actions	5. 5. Adaptive management actions proposed to reduce or eliminate impact	6. 6. Information necessary to measure the impact over time	7. 7. How results will be applied to ongoing management to reduce extent of impacts
Pre-Clearance, Clearance and habitat loss	• Records of potential suitable habitat features such as Hollow Bearing Trees (HBT), stick nests,	• Local seasonal and climate, migratory patterns and environmental conditions may	• Methodical Inspection & recording of all habitat features prior to clearing is crucial to	• Identify and record potential suitable habitat and/or instances of fauna presence.	• Preclearance inspection habitat and Fauna records to guide clearance activities.	• Location of potential suitable habitat recorded. • New location of relocated	• All potential suitable habitat identified, recorded and relocated in to suitable

Requirement	1. Baseline data against which monitoring will occur	2. 2. Seasonal changes to resources that are relevant to the impacts being monitored	3. 3. Monitoring methods (Incl. frequency, timing, reporting)	4. 4. Trigger values for adaptive management actions	5. 5. Adaptive management actions proposed to reduce or eliminate impact	6. 6. Information necessary to measure the impact over time	7. 7. How results will be applied to ongoing management to reduce extent of impacts
	rocky outcrops, decorticating bark etc. • Pre-clearance survey throughout entire Subject Land to identify, record/flag habitat features and identify threatened fauna and flora present • Report containing results of preclearance survey to be prepared and used to guide clearance activities.	influence presence and movement of fauna within the site.	prevention of habitat loss, fauna injuries and fatalities. • Habitat features physically marked with flagging tape, and GPS co-ordinates were noted to record the locations of habitat features.	• Habitat features identified must be recorded, marked and factored into relocation plan.	• Suitable qualified/experienced professional spotter/catcher present to monitor and manage fauna interactions during the clearing activities. • Removal of habitat features and relocation to a designated holding area for later placement into suitable adjacent/nearby bushland or conservation area. • Where impact levels have been exceeded initiate investigation. • Prepare short report outlining the investigation into the impacts.	potential suitable habitat determined and recorded	adjacent/nearby bushland or conservation area.
Fragmentation	• Mapped retained remnant native vegetation patches which provide potential suitable habitat.	• Local seasonal and climate, migratory patterns and environmental conditions may influence presence and movement of fauna within the site.	• Biannually analysis of mapped retained remnant native vegetation patches	• Any reduction in mapped retained remnant native vegetation patch area.	• Inclusion of fragmentation avoidance and reduction in VMP. • Planned revegetation in areas considered to reduce fragmentation.	• Mapping, analysis and on-ground inspections included in annual/biannual monitoring plan.	• Success of prior revegetation to guide application of management to areas considered for defragmentation.

Table 10: Noise, light and vibration

Requirement	Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
Noise, Light and Vibration	• Noise, light and vibration data has been collected by RZ Resources at multiple monitoring stations located across the subject land since July 2024 • This data will continue to be built upon. See Figure 6 and Figure 7	• Seasonal weather patterns will impact each of the metrics recorded and monitored. • Wind speed and direction, cloud cover, rainfall intensity and duration. See Figure 6 and Figure 7	• A data gathering project has been in effect since RZ installed monitoring stations across the subject land in :July 2024. • Daily reports containing hourly values are received. See Figure 6 and Figure 7	• Trigger values for light spill, vibration and noise will be in line with mine site specific regulations and industry standards.	• Wherever a trigger value has been exceeded for noise, light or vibration, the project manager will initiate investigation/report and management actions outlined in the appropriate adaptive management plan. • Actions include review of shift activities roster, inclusion of proposed reductions in site prestart meetings. • Prepare a short report outlining the investigation into the changes	• Use of baseline data to compare pre-approval values with post-approval activities and known periods where triggers are reached.	• Regular monitoring of noise, light, vibration data to ensure mine activity does not exceed triggers. • Consistent notifications where noise, light, vibration trigger events occur, so operators are aware and can modify activities in line with noise, light, vibration regulations.

Table 11: Increased Dust

Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
Dust pollution	• Dust data collected by RZ Resources since July 2024	• Seasonal weather patterns will impact the dust metric recorded and monitored.	• A data gathering project has been in effect since RZ installed monitoring stations across	• Trigger values for dust generation will be in line with mine site specific regulations and industry standards.	• Wherever a trigger value has been exceeded for dust, the project manager will initiate investigation/report and management	• Use of baseline data to compare pre-approval values with post-approval activities and known periods	• Regular monitoring of dust data to ensure mine activity does not exceed triggers.

Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
	• This data will continue to be built upon See Figure 6 and Figure 7	• Wind speed and direction, rainfall intensity and duration.	the subject land in :July 2024. • Daily reports containing hourly values are received. See Figure 6 and Figure 7		actions outlined in the appropriate adaptive management plan. • Actions include dust suppression tanker watering, review of shift activities roster, inclusion of proposed reductions in site prestart meetings. • Prepare a short report outlining the investigation into the changes	where triggers are reached.	• Consistent notifications where dust value trigger events occur, so operators are aware and can modify activities in line with dust regulations.

Table 12: Erosion and Sedimentation, hydrology and Environmental spills

Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
Erosion & Sedimentation	• Relevant PCT VI plot assessments undertaken during 'average' and/or 'dry' benchmark conditions for ground cover, leaf litter and exposed/bare earth	• Seasonal rainfall will determine benchmarks against which VI plot scores will be compared • Soil erosion and sedimentation monitoring must be undertaken following high rainfall events See Figure 6 and Figure 7	• Annual VI plot monitoring throughout relevant PCTs where risk of erosion is elevated. • Erosion control Performance Criteria will be detailed within a Rehabilitation Management Plan. Continued failure to achieve	• If VI plot scores fall below the baseline for 2 consecutive years. • Greater than 20% change in sedimentation baseline levels after rainfall. • Sheet erosion – Minor: Shallow soil deposits downslope, Moderate: Partial exposure of roots;	• Engage Geologist and hydrologist to investigate remediation actions. • Increase monitoring to monthly to determine trends in sedimentation • Application of measures such as sediment fencing, direct seeding, hydro mulching, placing tree logs	• VI plot ground cover and leaf litter cover score trends • Sedimentation trends	• Results of investigations into the causes of relevant VI plot value declines and sedimentation changes will be used to inform ongoing management

Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
			erosion Key Performance Indicators in the same area may require additional alternative control measures detailed within the Adaptive Management Biodiversity Strategy BMP See Figure 6 and Figure 7	moderate soil deposits downslope, Severe: Loss of surface horizon; subsoil exposure; root exposure; substantial soil deposits downslope. • Rill/Gully Erosion – Minor: <15 Rills and <0.3m deep, Moderate: 15-30 rills and <0.3m deep, Severe: >30 rills and / or any >0.3m deep. • Annual rate of decline (ARD) for PCT 154 is identified to be twice baseline ARD • Recorded VI of PCT 64 falls below 75% of baseline VI	and brush matting across cleared areas. • Erosion infilling is to be undertaken by the placement of gravel and or clean sand via manual application. • Prepare a report outlining the investigation into the changes		
Hydrology and Environmental spills	• Establish hydrology baseline through water sampling of Salt Lakes prior to impacts where achievable. • Outlined within the Copi Mineral Sands Project Groundwater Impact Assessment • Establish Vegetation	• Effects of seasonal rainfall must be considered.	• Monitoring methods are to follow those outline in the Copi Mineral Sands Project Groundwater Impact Assessment. • Monitoring will occur at increased frequency during	• Any hydrological or environmental spill occurring within the subject land. • Extended periods of Inundation of PCT 64 and 154 outside of the development footprint. • Annual rate of decline (ARD) for PCT 154 is identified to be twice baseline ARD	• Initiate emergency response including identify source and nature of hazard, PPE and site-wide protection protocols, set up a perimeter, stop/contain spill at source, • Minimise impacts, properly dispose of hazard source and cleanup contaminant – decontaminate and	• Water and soil quality – organic and inorganic compounds, sedimentation etc. • Groundwater quality trends	• Results of investigations will outline ongoing management actions and determine if further mitigation measures are required to be implemented

Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
	Integrity Plots within PCT 64 and 154 outside of the Development Footprint		actions that pose a risk of spills. • Biannual Vegetation Integrity Plots	• Recorded VI of PCT 64 falls below 75% of baseline VI	rehabilitate if required • If the situation escalates, external emergency responders may be required and seek medical attention if required. • Investigate incidents and increased soil and water monitoring at high risk areas • Prepare a report outlining the investigation into the changes • Collection of pooled water within PCT64 and 154 to be utilised within the Development footprint for dust suppression. • Increase monitoring frequency to every 3 months to monitor VI trends. • Retirement of Credits identified in BDAR Section 5.4.4 for PCT 154 • Calculate credit requirements for PCT 64 residual impacts if VI continues to decline despite adaptive		

Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
					management actions		

Table 13: Fauna Injury and Mortality

Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
Fauna welfare	• Data from the traffic management plan outlines the current and expected flow of vehicle (and pedestrian) movements and identifies potential collision points for terrestrial fauna along the Development Footprint – Linear Corridor. See Figure 6 and Figure 7	• Local seasonal and climate, migratory patterns and environmental conditions may influence presence and movement of fauna within the site.	• Remote cameras will record traffic activity levels and reported daily. • All stages of the project. • Mandatory reporting for vehicle strikes	• Excessive fauna strikes • Excessive disruption of fauna movements	• Reporting occurrences of vehicle strike within subject land and investigation of incidents. • Reduce traffic movements and speed limits on the Development Footprint - Linear Corridor to 40 km/h during dawn and dusk periods, where animal activity is likely to occur. • Speed limits on arterial roads and on/off ramps with appropriate signage. Vehicles must maintain a designated speed limit of 80 km/hr or lower along arterial roads and on/off ramps within the	• Records of vehicle strike, roadkill for all fauna, including native and exotic mammals, reptiles, birds, and amphibians.	• Results of investigations analysed and applied to traffic management plan.

Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
					Proposed Development Footprint. • Vehicle access exclusion fencing to be established around cleared areas in locations of known threatened fauna habitat, or activity to prevent wildlife from returning to work areas. • Install fauna awareness signage in locations along access tracks where native terrestrial fauna is likely to cross and where higher density of HBTs and occurrences of Pink Cockatoos have been recorded. See Figure 6 and Figure 7 • Installation of high visibility Variable Message Signs to alert vehicles of recent fauna interactions. • Rehabilitation of temporary construction areas is to be undertaken sequentially and as soon as practicable after clearing. If		

Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
					they cannot be rehabilitation, temporary fencing is to be erected to avoid fauna injury/mortality. • Install temporary fencing around deep trenches where fauna has the potential to become trapped. • Installation of additional one way fauna movement devices		

Table 14: Introduction and spread of weeds, pests and pathogens

Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
Weeds and pathogens	• Various PCT VI plot assessments undertaken during average and dry benchmark conditions, within appropriate high risk areas. • Levels of die-off, dieback, weed infestations, and plant	• Seasonal rainfall will determine benchmarks against which VI scores will be compared • Seasonal rainfall and temperature	• Annual VI monitoring throughout PCTs within appropriate high risk areas. • Plant disease/pathogen inspection.	• If a significant increase (>20%) in weed cover or weed species richness occurs. • If VI plot scores fall below the baseline for 2 consecutive years.	• Preparation of a Weed eradication plan and/or a Weed Management Plan. • Vehicle washdown/disinfectant stations at site entry points. • Soil erosion and sediment control measures	• VI score trend report data • Plant disease / pathogen, die-off, dieback, impacts report data. • Initial weed species consensus	• Results of investigations will outline ongoing management actions and determine if further mitigation measures are required to be implemented • Results of the weed census will identify key triggers and

Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
	disease/pathogen impacts. • Targeted Baseline Weed Census See Figure 6 and Figure 7		• Annual Targeted Weed census • Monthly targeted Weed monitoring of high traffic areas, washdown areas, roadsides, water sources, dispersal pathway. Locations of surveys to be confirmed after an initial sitewide survey which identifies key areas of concern and included these in the VMP. See Figure 6 and Figure 7	• Instances of plant disease/pathogen impacts. • The Biosecurity Management plan will include key trigger points for the control of identified weed species present within the Subject Land • New infestations of weed species • Presence of weed reproductive material	• Ongoing Weed management throughout the project lifecycle • Treatment of new infestation within 2 weeks of identification • Weed reproductive material is to be manually collect and disposed of appropriately.		management actions required to be undertaken to effectively control weed species within the Development Footprint.
Pest management	• Pest population surveys to be conducted to estimate population numbers	• Seasonal rainfall • Seasonal resources	• Annual PIR camera monitoring • Annual Ground shooting reports • Annual Trapping reports • Annual VI monitoring • Annual Fauna surveys	• No reduction or an increase in estimated pest population • No reduction in number of animals captured or shot. • If VI plot scores fall below the baseline for 2 consecutive years. • Evidence of herbivory in exclusion areas	• Increase frequency of pest management actions • Exclusion fence inspection • Maintenance/Repair of exclusion fence	• Estimation of Pest population • Number of pests captured • Number of pests shot	• Results of conducted monitoring will determine the success of pest management. • Results will indicate if further intervention is required

Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
			See Figure 6 and Figure 7				

Table 15: Anthropogenic impacts

Requirement	1. Baseline data against which monitoring will occur	2. Seasonal changes to resources that are relevant to the impacts being monitored	3. Monitoring methods (Incl. frequency, timing, reporting)	4. Trigger values for adaptive management actions	5. Adaptive management actions proposed to reduce or eliminate impact	6. Information necessary to measure the impact over time	7. How results will be applied to ongoing management to reduce extent of impacts
Human caused impacts	• Establish a baseline through site condition inspection/assessments undertaken at all relevant areas of the subject land prior to commencing development. • Data from the site-wide fencing, signage and remote camera condition, function and maintenance report.	• Monitoring of the subject land identifies greater than 20% change in parameters	• Quarterly monitoring and reporting of site condition / rubbish levels, fence and camera function.	• Occurrences of rubbish detected • Fences, signage and cameras are not functioning	• Occurrences of rubbish within and around the subject land are detected, monitoring is increased and a report prepared. • Rubbish collection and removal implemented. • Fences, signage and cameras inspected and repaired where needed.	• Data from the Quarterly report assessing fencing, signage and remote camera condition and function	• Results of investigations and quarterly report will outline ongoing management actions and determine if further mitigation measures are required to be implemented

A-5 REFERENCES

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A-2 Site Vegetation List

Table 74: Flora species recorded on the Subject Land

Family Name	Scientific Name	Common Name	Exotic
Malvaceae	*Abutilon otocarpum*	Desert Lantern	
Fabaceae (Mimosoideae)	*Acacia aneura*	Mulga	
Fabaceae (Mimosoideae)	*Acacia colletioides*	Wait-a-while	
Fabaceae (Mimosoideae)	*Acacia rigens*	Needle Wattle	
Fabaceae (Mimosoideae)	*Acacia sclerophylla var. sclerophylla*	Hard-leaved Wattle	
Fabaceae (Mimosoideae)	*Acacia tetragonophylla*	Dead Finish	
Fabaceae (Mimosoideae)	*Acacia victoriae*	Prickly Wattle	
Fabaceae (Mimosoideae)	*Acacia victoriae subsp. victoriae*	Elegant Wattle	
Sapindaceae	*Alectryon oleifolius*	Western Rosewood	
Sapindaceae	*Alectryon oleifolius subsp. canescens*		
Brassicaceae	*Alyssum linifolium*	Flax-leaf Alyssum	*
Brassicaceae	*Arabidella trisecta*	Shrubby Cress	
Poaceae	*Aristida contorta*	Bunched Kerosene Grass	
Poaceae	*Aristida jerichoensis*	Jericho Wiregrass	
Asphodelaceae	*Asphodelus fistulosus*	Onion Weed	*
Asteraceae	*Asteraceae indeterminate*	Daisies	
Araliaceae	*Astrotricha spp.*		
Chenopodiaceae	*Atriplex angulata*	Fan Saltbush	
Chenopodiaceae	*Atriplex holocarpa*	Pop Saltbush	
Chenopodiaceae	*Atriplex limbata*	Spreading Saltbush	
Chenopodiaceae	*Atriplex lindleyi*	Eastern Flat-top Saltbush	
Chenopodiaceae	*Atriplex nummularia*	Old Man Saltbush	
Chenopodiaceae	*Atriplex papillata*	Coral Saltbush	
Chenopodiaceae	*Atriplex semibaccata*	Creeping Saltbush	
Chenopodiaceae	*Atriplex sp.*	A Saltbush	
Chenopodiaceae	*Atriplex spp.*	Saltbush	
Chenopodiaceae	*Atriplex stipitata*	Mallee Saltbush	
Chenopodiaceae	*Atriplex vesicaria*	Bladder Saltbush	
Chenopodiaceae	*Atriplex vesicaria subsp. minor*		
Chenopodiaceae	*Atriplex vesicaria subsp. vesicaria*		
Poaceae	*Austrostipa nitida*		
Poaceae	*Austrostipa nullanulla*	Speargrass	
Poaceae	*Austrostipa scabra*	Speargrass	

Family Name	Scientific Name	Common Name	Exotic
Poaceae	*Austrostipa sp.*		
Poaceae	*Austrostipa variabilis*		
Poaceae	*Avena barbata*	Bearded Oats	*
Nyctaginaceae	*Boerhavia dominii*	Tarvine	
Nyctaginaceae	*Boerhavia spp.*		
Asteraceae	*Brachyscome ciliaris*	Variable Daisy	
Asteracae	*Brachyscome spp.*		
Asteraceae	*Brachyscome triloba*		
Asphodelaceae	*Bulbine semibarbata*	Wild Onion	
Portulacaceae	*Calandrinia eremaea*	Small Purslane	
Cupressaceae	*Callitris glaucophylla*	White Cypress Pine	
Asteraceae	*Calotis hispidula*	Bogan Flea	
Aizoaceae	*Carpobrotus glaucescens*	Pigface	
Brassicaceae	*Carrichtera annua*	Ward's Weed	*
Asteraceae	*Carthamus lanatus*	Saffron Thistle	*
Casuarinaceae	*Casuarina pauper*	Black Oak	
Poaceae	*Cenchrus ciliaris*	Buffel Grass	*
Asteraceae	*Centaurea melitensis*	Maltese Cockspur	*
Pteridaceae	*Cheilanthes lasiophylla*	Woolly Cloak-fern	
Pteridaceae	*Cheilanthes sieberi subsp. sieberi*	Rock Fern	
Chenopodiaceae	*Chenopodium curvispicatum*	White Goosefoot	
Chenopodiaceae	*Chenopodium desertorum subsp. desertorum*	A Goosefoot	
Chenopodiaceae	*Chenopodium melanocarpum*	Black Crumbweed	
Chenopodiaceae	*Chenopodium spp.*	Goosefoot, Crumbweed	
Asteraceae	*Chondrilla juncea*	Skeleton Weed	*
Asteraceae	*Chrysocephalum apiculatum*	Common Everlasting	
Cucurbitaceae	*Citrullus amarus*	Camel Melon	*
Cucurbitaceae	*Citrullus colocynthis*	Colocynth	*
Convoloulaceae	*Convolvulus arvensis*	Field Bindweed	*
Convolvulaceae	*Convolvulus clementii*	Desert Bindweed	
Convolvulaceae	*Convolvulus spp.*		
Asteraceae	*Conyza bonariensis*	Flaxleaf Fleabane	*
Anthericaceae	*Corynotheca licrota*	Club-fruit Lily	
Crassulaceae	*Crassula colorata*	Dense Stonecrop	
Crassulaceae	*Crassula sieberiana*	Australian Stonecrop	

Family Name	Scientific Name	Common Name	Exotic
Poaceae	*Cymbopogon ambiguus*	Lemon Grass	
Apiaceae	*Daucus glochidiatus*	Native Carrot	
Poaceae	*Digitaria brownii*	Cotton Panic Grass	
Aizoaceae	*Disphyma crassifolium subsp. clavellatum*	Pigface	
Chenopodiaceae	*Dissocarpus paradoxus*	Cannonball Burr	
Asteraceae	*Dittrichia graveolens*	Stinkwort	*
Sapindaceae	*Dodonaea viscosa*	Sticky Hop-bush	
Sapindaceae	*Dodonaea viscosa subsp. angustissima*	Narrow-leaf Hop-bush	
Chenopodiaceae	*Einadia nutans*	Climbing Saltbush	
Chenopodiaceae	*Einadia nutans subsp. eremaea*		
Chenopodiaceae	*Einadia nutans subsp. oxycarpa*	Climbing Saltbush	
Chenopodiaceae	*Enchylaena tomentosa*	Ruby Saltbush	
Poaceae	*Enneapogon avenaceus*	Bottle Washers	
Poaceae	*Enneapogon cylindricus*	Jointed Nineawn	
Poaceae	*Enneapogon intermedius*		
Poaceae	*Enneapogon nigricans*	Niggerheads	
Poaceae	*Enneapogon sp.*	Nineawn Grass, Bottlewashers	
Poaceae	*Enteropogon acicularis*	Curly Windmill Grass	
Poaceae	*Eragrostis dielsii*	Mallee Lovegrass	
Poaceae	*Eragrostis lacunaria*	Purple Lovegrass	
Poaceae	*Eragrostis setifolia*	Neverfail	
Poaceae	*Eragrostis spp.*		
Myoporaceae	*Eremophila alternifolia*	Narrow-leaved Fuchsia Bush	
Myoporaceae	*Eremophila sturtii*	Turpentine Bush	
Asteraceae	*Eriochlamys behrii*	Woolly Mantle	
Geraniaceae	*Erodium cicutarium*	Common Crowfoot	*
Geraniaceae	*Erodium crinitum*	Blue Crowfoot	
Myrtaceae	*Eucalyptus dumosa*	White Mallee	
Myrtaceae	*Eucalyptus gracilis*	Snap and Rattle	
Myrtaceae	*Eucalyptus socialis*	Red Mallee	
Euphorbiaceae	*Euphorbia drummondii*	Caustic Weed	
Euphorbiaceae	*Euphorbia sp.*	A Milkweed	*
Euphorbiaceae	*Euphorbia tannensis subsp. eremophila*		
Santalaceae	*Exocarpos aphyllus*	Leafless Ballart	
Frankeniaceae	*Frankenia foliosa*	Frankenia	
Frankeniaceae	*Frankenia serpyllifolia*	Bristly Sea-heath	

Family Name	Scientific Name	Common Name	Exotic
Fabaceae (Faboideae)	*Glycine clandestina*	Twining Glycine	
Asteraceae	*Gnephosis arachnoidea*	Erect Yellow-heads	
Goodeniaceae	*Goodenia fascicularis*	Mallee Goodenia	
Goodeniaceae	*Goodenia pusilliflora*		
Proteaceae	*Grevillea huegelii*	Comb Grevillea	
Caryophyllaceae	*Gypsophila tubulosa*	Annual Chalkwort	
Brassicaceae	*Harmsiodoxa brevipes var. brevipes*		
Asteraceae	*Helichrysum leucopsideum*	Satin Everlasting	
Boraginaceae	*Heliotropium curassavicum*	Smooth Heliotrope	*
Boraginaceae	*Heliotropium europaeum*	Potato Weed	*
Caryophyllaceae	*Herniaria cinerea*		*
Dilleniaceae	*Hibbertia spp.*		
Malvaceae	*Hibiscus brachysiphonius*	Low Hibiscus	
Poaceae	*Hordeum leporinum*	Barley Grass	*
Poaceae	*Hordeum vulgare*	Barley	*
Asteraceae	*Hyalosperma semisterile*		
Asteraceae	*Hypochaeris glabra*	Smooth Catsear	*
Campanulaceae	*Isotoma petraea*	Rock Isotome	
Poaceae	*Lachnagrostis filiformis*		
Asteraceae	*Lactuca saligna*	Willow-leaved Lettuce	*
Asteraceae	*Lactuca serriola*	Prickly Lettuce	*
Asteraceae	*Lemooria burkittii*	Wires-a-wool	
Brassicaceae	*Lepidium africanum*	Common Peppercress	*
Brassicaceae	*Lepidium papillosum*	Warty Peppercress	
Brassicaceae	*Lepidium spp.*		
Plumbaginaceae	*Limonium lobatum*	Winged Sea Lavender	*
Fabaceae (Faboideae)	*Lotus cruentus*	Red-flowered Lotus	
Loranthaceae	*Lysiana exocarpi*		
Loranthaceae	*Lysiana exocarpi subsp. exocarpi*	Mistletoe	
Chenopodiaceae	*Maireana appressa*	Grey Bluebush	
Chenopodiaceae	*Maireana brevifolia*	Small-leaf Bluebush	
Chenopodiaceae	*Maireana ciliata*	Fissure Weed	
Chenopodiaceae	*Maireana georgei*	Slit-wing Bluebush	
Chenopodiaceae	*Maireana microcarpa*	Swamp Bluebush	
Chenopodiaceae	*Maireana pentatropis*	Erect Mallee Bluebush	

Family Name	Scientific Name	Common Name	Exotic
Chenopodiaceae	*Maireana pyramidata*	Black Bluebush	
Chenopodiaceae	*Maireana sclerolaenoides*		
Chenopodiaceae	*Maireana sedifolia*	Pearl Bluebush	
Chenopodiaceae	*Maireana spp.*	Cotton Bush, Bluebush, Fissure-weed	
Chenopodiaceae	*Maireana trichoptera*	Downy Bluebush	
Chenopodiaceae	*Maireana triptera*	Three-wing Bluebush	
Chenopodiaceae	*Maireana turbinata*	Satiny Bluebush	
Chenopodiaceae	*Malacocera tricornis*	Soft Horns	
Malvaceae	*Malvastrum americanum*	Spiked Malvastrum	*
Apocynaceae	*Marsdenia australis*	Doubah	
Fabaceae (Faboideae)	*Medicago laciniata*	Cut-leaved Medic	*
Fabaceae (Faboideae)	*Medicago minima*	Woolly Burr Medic	*
Fabaceae (Faboideae)	*Medicago polymorpha*	Burr Medic	*
Fabaceae (Faboideae)	*Medicago praecox*	Small-leaved Burr Medic	*
Fabaceae (Faboideae)	*Medicago truncatula*	Barrel Medic	*
Myrtaceae	*Melaleuca lanceolata*	Moonah	
Aizoaceae	*Mesembryanthemum crystallinum*	Common Ice Plant	
Aizoaceae	*Mesembryanthemum nodiflorum*	Small Ice Plant	*
Asteraceae	*Minuria cunninghamii*	Bush Minuria	
Myoporaceae	*Myoporum platycarpum*	Sugarwood	
Asteraceae	*Olearia muelleri*	Mueller's Daisy Bush	
Asteraceae	*Olearia pimeleoides*		
Asteraceae	*Onopordum acaulon*	Stemless Thistle	*
Chenopodiaceae	*Osteocarpum acropterum*	Water Weed	
Chenopodiaceae	*Osteocarpum salsuginosum*		
Poaceae	*Panicum effusum*	Hairy Panic	
Poaceae	*Panicum sp.*	Panicum	
Phyllanthaceae	*Phyllanthus spp.*		
Thymelaeaceae	*Pimelea trichostachya*		
Pittosporaceae	*Pittosporum angustifolium*	Butterbush	
Plantaginaceae	*Plantago drummondii*	Dark Sago-weed	
Plantaginaceae	*Plantago turrifera*	Small Sago-weed	
Poaceae	*Poaceae indeterminate*	Grasses, reeds and bamboos	*
Asteraceae	*Podolepis capillaris*	Invisible Plant	

Family Name	Scientific Name	Common Name	Exotic
Portulacaceae	*Portulaca oleracea*	Pigweed	
Lamiaceae	*Prostanthera striatiflora*	Jockey's Cap	
Aizoaceae	*Psilocaulon granulicaule*	Wiry Noon-flower	*
Amaranthaceae	*Ptilotus exaltatus var. exaltatus*	Showy Foxtail	
Amaranthaceae	*Ptilotus obovatus*	Smoke Bush	
Amaranthaceae	*Ptilotus polystachyus*	Longtails	
Asteraceae	*Reichardia tingitana*	False Sowthistle	*
Chenopodiaceae	*Rhagodia parabolica*	A Saltbush	
Chenopodiaceae	*Rhagodia spinescens*	Thorny Saltbush	
Chenopodiaceae	*Rhagodia ulicina*	A Saltbush	
Asteraceae	*Rhodanthe moschata*		
Asteraceae	*Rhodanthe pygmaea*	Pigmy Sunray	
Zygophyllaceae	*Roepera apiculata*	Common Twinleaf	
Zygophyllaceae	*Roepera compressa*	Rabbit-ears Twinleaf	
Zygophyllaceae	*Roepera eremaea*	Climbing Twinleaf	
Zygophyllaceae	*Roepera iodocarpa*	Violet Twinleaf	
Zygophyllaceae	*Roepera ovata*	Dwarf Twinleaf	
Zygophyllaceae	*Roepera similis*		
Zygophyllaceae	*Roepera spp.*		
Poaceae	*Rostraria pumila*	Roughtail	*
Poaceae	*Rytidosperma caespitosum*	Ringed Wallaby Grass	
Poaceae	*Rytidosperma spp.*		
Chenopodiaceae	*Salsola australis*	Buckbush	
Lamiaceae	*Salvia reflexa*	Mintweed	*
Lamiaceae	*Salvia verbenaca*	Vervain	*
Poaceae	*Schismus barbatus*	Arabian Grass	*
Chenopodiaceae	*Sclerolaena bicornis*	Goathead Burr	
Chenopodiaceae	*Sclerolaena brachyptera*	Short-winged Copperburr	
Chenopodiaceae	*Sclerolaena convexula*	Tall Copperburr	
Chenopodiaceae	*Sclerolaena decurrens*	Green Copperburr	
Chenopodiaceae	*Sclerolaena diacantha*	Grey Copperburr	
Chenopodiaceae	*Sclerolaena divaricata*	Tangled Copperburr	
Chenopodiaceae	*Sclerolaena limbata*		
Chenopodiaceae	*Sclerolaena obliquicuspis*	Limestone Copperburr	
Chenopodiaceae	*Sclerolaena parviflora*		

Family Name	Scientific Name	Common Name	Exotic
Chenopodiaceae	*Sclerolaena patenticuspis*	Spear-fruit Copperburr	
Amaranthaceae	*Sclerolaena sp. A*	Sclerolaena	
Chenopodiaceae	*Sclerolaena tricuspis*	Giant Redburr	
Asteraceae	*Senecio glossanthus*	Streaked Poverty Bush	
Asteraceae	*Senecio quadridentatus*	Cotton Fireweed	
Asteraceae	*Senecio spp.*	Groundsel, Fireweed	
Fabaceae (Caesalpinioideae)	*Senna artemisioides <--> zygophylla*		
Fabaceae (Caesalpinioideae)	*Senna artemisioides subsp. Xartemisioides*		
Fabaceae (Caesalpinioideae)	*Senna artemisioides subsp. Xpetiolaris*	Woody Cassia	
Fabaceae (Caesalpinioideae)	*Senna artemisioides subsp. Xzygophylla*		
Malvaceae	*Sida corrugata*	Corrugated Sida	
Malvaceae	*Sida cunninghamii*	Ridge Sida	
Malvaceae	*Sida intricata*		
Malvaceae	*Sida petrophila*		
Malvaceae	*Sida sp.*	A Sida	
Caryophyllaceae	*Silene spp.*		*
Brassicaceae	*Sisymbrium erysimoides*	Smooth Mustard	*
Brassicaceae	*Sisymbrium irio*	London Rocket	*
Brassicaceae	*Sisymbrium orientale*	Indian Hedge Mustard	*
Solanaceae	*Solanum ellipticum*	Velvet Potato Bush	
Solanaceae	*Solanum esuriale*	Quena	
Solanaceae	*Solanum sturtianum*	Thargomindah Nightshade	
Asteraceae	*Sonchus oleraceus*	Common Sowthistle	*
Caryophyllaceae	*Spergularia rubra*	Sandspurry	*
Brassicaceae	*Stenopetalum lineare*	Threadcress	
Asteraceae	*Taraxacum officinale*	Dandelion	*
Chenopodiaceae	*Tecticornia halocnemoides*	Samphire	
Chenopodiaceae	*Tecticornia indica subsp. leiostachya*	Samphire	
Chenopodiaceae	*Tecticornia pergranulata*		
Chenopodiaceae	*Tecticornia pergranulata subsp. pergranulata*		
Chenopodiaceae	*Tecticornia sp.*	Samphire	
Chenopodiaceae	*Tecticornia spp.*	Samphire	
Chenopodiaceae	*Tecticornia tenuis*	Samphire	

Family Name	Scientific Name	Common Name	Exotic
Aizoaceae	*Tetragonia eremaea*		
Aizoaceae	*Tetragonia moorei*		
Aizoaceae	*Tetragonia tetragonioides*	New Zealand Spinach	
Anthericaceae	*Thysanotus baueri*	Fringe-lily	
Convolvulaceae	*Tribulus spp.*	Grassy Bindweed	
Zygophyllaceae	*Tribulus terrestris*	Cat-head	*
Poaceae	*Triodia scariosa*	Porcupine Grass	
Poaceae	*Tripogon loliiformis*	Fiveminute Grass	
Asteraceae	*Vittadinia cervicularis*		
Asteraceae	*Vittadinia cervicularis var. subcervicularis*		
Asteraceae	*Vittadinia cuneata*	Fuzzweed	
Asteraceae	*Vittadinia cuneata var. hirsuta*	Fuzzy New Holland Daisy	
Asteraceae	*Vittadinia eremaea*	Desert New Holland Daisy	
Campanulaceae	*Wahlenbergia spp.*	Bluebell	
Colchicaceae	*Wurmbea spp.*		
Asteraceae	*Xanthium spinosum*	Bathurst Burr	*

A-3 Site Fauna List

Table 75: Fauna species recorded during surveys.

Common Name	Scientific Name
Amphibians	
Spotted Marsh Frog	*Limnodynastes tasmaniensis*
Green Tree Frog	*Litoria caerulea*
Sudells	*Neobatrachus sudelli*
Aves	
Spiny-cheeked Honeyeater	*Acanthagenys rufogularis*
Yellow-rumped Thornbill	*Acanthiza chrysorrhoa*
Yellow Thornbill	*Acanthiza nana*
Chestnut-rumped Thornbill	*Acanthiza uropygialis*
Brown Goshawk	*Accipiter fasciatus*
Australian Owlet-nightjar	*Aegotheles cristatus*
Grey Teal	*Anas gracilis*
Pacific Black Duck	*Anas superciliosa*
Australasian Pipit	*Anthus australis*
Wedge-tailed Eagle	*Aquila audax*
Black-faced Woodswallow	*Artamus cinereus*
White-breasted Woodswallow	*Artamus leucorynchus*
Masked Woodswallow	*Artamus personatus*
Australian Ringneck (Mallee)	*Barnardius zonarius barnardi*
Pink Cockatoo	*Cacatua (Lophochroa) leadbeateri*
White-backed Swallow	*Cheramoeca leucosterna*
Silver Gull	*Chroicocephalus novaehollanidiae*
White-browed Treecreeper	*Climacteris affinis*
Brown Treecreeper	*Climacteris picumnus*
Black-faced Cuckoo-shrike	*Coracina novaehollandiae*
Australian Raven	*Corvus coronoides*
Stubble Quail	*Coturnix pectoralis*
Pied Butcherbird	*Cracticus nigrogularis*
Grey Butcherbird	*Cracticus torquatus*
Varied Sittella	*Daphoenositta chrysoptera*
Mistletoebird	*Dicaeum hirundinaceum*
Emu	*Dromaius novaehollandiae*
Black-shouldered Kite	*Elanus axillaris*
Black-fronted Dotterel	*Elseyornis melanops*
Galah	*Eolophus roseicapilla*

Common Name	Scientific Name
White-fronted Chat	*Epthianura albifrons*
Crimson Chat	*Epthianura tricolor*
Brown Falcon	*Falco berigora*
Nankeen Kestrel	*Falco cenchroides*
Australian Hobby	*Falco longipennis*
Singing Honeyeater	*Gavicalis (Lichenostomus) virescens*
Western Gerygone	*Gerygone fusca*
Magpie-lark	*Grallina cyanoleuca*
Australian Magpie	*Gymnorhina (Cracticus) tibicen*
Whistling Kite	*Haliastur sphenurus*
Little Eagle	*Hieraaetus morphnoides*
Welcome Swallow	*Hirundo neoxena*
Caspian Tern	*Hydroprogne caspia*
Inland Thornbill	*Inland Thornbill*
Yellow-plumed Honeyeater	*Lichenostomus ornatus*
Purple-backed Fairy-wren	*Malurus lamberti*
White-winged Fairy-wren	*Malurus leucopterus*
Splendid Fairy-wren	*Malurus splendens*
Yellow-throated Miner	*Manorina flavigula*
Hooded Robin	*Melanodryas cucullata*
Budgerigar	*Melopsittacus undulatus*
Rainbow Bee-eater	*Merops ornatus*
Jacky Winter	*Microeca fascinans*
Black Kite	*Milvus migrans*
Southern Boobook	*Ninox boobook*
Greater Bluebonnet	*Northiella haematogaster*
Crested Pigeon	*Ocyphaps lophotes*
Crested Bellbird	*Oreoica gutturalis*
Olive-backed Oriole	*Oriolus sagittatus*
Rufous Whistler	*Pachycephala rufiventris*
Striated Pardalote	*Pardalotus striatus*
Tree Martin	*Petrochelidon nigricans*
Red-capped Robin	*Petroica goodenovii*
Common Bronze Wing	*Phaps chalcoptera*
Striped Honeyeater	*Plectorhyncha lanceolata*
Hoary-headed Grebe	*Poliocephalus poliocephalus*
Chestnut-crowned Babbler	*Pomatostomus ruficeps*

Common Name	Scientific Name
White-browed Babbler	*Pomatostomus superciliosus*
Mulga Parrot	*Psephotellus varius*
Chirruping Wedgebill	*Psophodes cristatus*
Redthroat	*Pyrrholaemus brunneus*
Red-necked Avocet	*Recurvirostra novaehollandiae*
Willie Wagtail	*Rhipidura leucophrys*
Weebill	*Smicrornis brevirostris*
Apostlebird	*Struthidea cinerea*
Australasian Grebe	*Tachybaptus novaehollandiae*
Australian Shelduck	*Tadorna tadornoides*
Zebra Finch	*Taenopygia guttata*
Red-backed Kingfisher	*Todiramphus pyrrhopygius*
Sacred Kingfisher	*Todiramphus sanctus*
Masked Lapwing	*Vanellus miles*
Banded Lapwing	*Vanellus tricolor*
Mammalia	
White-striped Freetail Bat	*Austronomus australis*
Goat*	*Capra hircus**
Goulds Wattled Bat	*Chalinolobus gouldii*
Little Pied Bat	*Chalinolobus picatus*
Feral Cat*	*Felis catus**
Western grey Kangaroo	*Macropus fuliginosus*
Common Wallaroo	*Macropus robustus*
Inland Freetail Bat	*Mormopterus species 3*
House Mouse*	*Mus musculus**
Rabbit*	*Oryctolagus cuniculus**
Red Kangaroo	*Osphranter (Macropus) rufus*
Bolam's Mouse	*Pseudomys bolami*
Inland Broad-nosed Bat	*Scotorepens balstoni*
Short-beaked Echidna	*Tachyglossus aculeatus*
Inland Forest Bat	*Vespadelus baverstocki*
Red Fox*	*Vulpes vulpes**
Dunnart (unidentified to species level)	
Reptilia	
Central Netted Dragon	*Centophorus nuchalis*
Inland Snake-eyed Skink	*Cryptoblepharus australis*
Painted Dragon	*Ctenophorus pictus*

Common Name	Scientific Name
Mallee Military Dragon	*Ctenophorus spp. Aff. fordi*
Southern Mallee Ctenotus	*Ctenotus atlas*
No Common Name	*Ctenotus brachyonyx*
Leonhardi's Ctenotus	*Ctenotus leonhardii*
Barred Wedgesnout Ctenotus	*Ctenotus schomburgkii*
Marble-headed Snake-lizard	*Delma australis*
Nobbi Dragon	*Diporiphora nobbi*
Tree Skink	*Egernia striolata*
Narrow-banded Sandswimmer	*Eremiascincus fasciolatus*
Eastern Tree Dtella	*Gehyra versicolor*
Bynoe's Gecko	*Heteronotia binoei*
Eastern Robust Slider	*Lerista punctatovittata*
Burton's Legless Lizard	*Lialis burtonis*
Beaded Gecko	*Lucasium damaeum*
South-eastern Morethia Skink	*Morethia boulengeri*
Central Bearded Dragon	*Pogona vitticeps*
Mulga Snake	*Pseudechis australis*
Straped-snouted Brown Snake	*Pseudonaja aspidorhyncha*
Ringed-brown Snake	*Pseudonaja modesta*
Eastern Brown Snake	*Pseudonaja textilis*
Eastern Hooded Scaly-foot	*Pygopus schraderi*
Jewelled Gecko	*Strophurus elderi*
Shingleback	*Tiliqua rugosa*
Four-poured Earless dragon	*Tympanocryptis sp.*
Eyrean Earless Dragon	*Tympanocryptis tetraporophora*
Sand Goanna	*Varanus gouldii*

Key: Introduced species (*)

A-4 Biodiversity Credit Report

A-4-1 Biodiversity Credit Report Mine Site

BAM Credit Summary Report

Proposal Details

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Ecosystem credits for plant communities types (PCT), ecological communities & threatened species habitat

Zone	Vegetation zone name	TEC name	Current Vegetation integrity score	Change in Vegetation integrity (loss / gain)	Area (ha)	Sensitivity to loss (Justification)	Species sensitivity to gain class	BC Act Listing status	EPBC Act listing status	Biodiversity risk weighting	Potential SAII	Ecosystem credits

Black Oak - Pearl Bluebush open woodland of the sandplains of the semi-arid warm and arid climate zones											
3	221_Mod01	Not a TEC	57.3	57.3	2.8	PCT Cleared - 30%	High Sensitivity to Gain			1.50	60
										Subtotal	**60**
Lunette chenopod shrubland mainly of the Murray Darling Depression Bioregion											
1	152_Mod01	Not a TEC	49.8	49.8	54.7	PCT Cleared - 27%	High Sensitivity to Gain			1.50	1021
										Subtotal	**1021**
Pearl Bluebush low open shrubland of the arid and semi-arid plains											
2	154_Mod01	Not a TEC	34.2	34.2	71	PCT Cleared - 43%	High Sensitivity to Gain			1.50	910
										Subtotal	**910**
										Total	**1991**

Species credits for threatened species

Vegetation zone name	Habitat condition (Vegetation Integrity)	Change in habitat condition	Area (ha)/Count (no. individuals)	Sensitivity to loss (Justification)	Sensitivity to gain (Justification)	BC Act Listing status	EPBC Act listing status	Potential SAII	Species credits

BAM Credit Summary Report

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Ecosystem credits for plant communities types (PCT), ecological communities & threatened species habitat

Zone	Vegetation zone name	TEC name	Current Vegetation integrity score	Change in Vegetation integrity (loss / gain)	Area (ha)	Sensitivity to loss (Justification)	Species sensitivity to gain class	BC Act Listing status	EPBC Act listing status	Biodiversity risk weighting	Potential SAII	Ecosystem credits
Black Oak - Bladder Saltbush on light clays in the arid zone												
12	254_Mod	Not a TEC	60.5	60.5	1.2	PCT Cleared - 10%	High Sensitivity to Gain			1.50		26
											Subtotal	**26**

Black Oak - Pearl Bluebush open woodland of the sandplains of the semi-arid warm and arid climate zones												
10	221_Mod	Not a TEC	57.3	57.3	70.2	PCT Cleared - 30%	High Sensitivity to Gain			1.50		1509
											Subtotal	**1509**
Black Oak - Western Rosewood open woodland on deep sandy loams mainly in the Murray Darling Depression Bioregion												
1	58_Mod	Not a TEC	53.8	53.8	148.2	PCT Cleared - 50%	High Sensitivity to Gain			1.75		3489
											Subtotal	**3489**
Bladder Saltbush shrubland on alluvial plains in the semi-arid (warm) zone including Riverina Bioregion												
5	157_Mod	Not a TEC	77.1	77.1	188.2	PCT Cleared - 60%	High Sensitivity to Gain			1.75		6344
6	157_High	Not a TEC	70	70.0	0.8	PCT Cleared - 60%	High Sensitivity to Gain			1.75		25
											Subtotal	**6369**

Chenopod sandplain mallee woodland/shrubland of the arid and semi-arid (warm) zones												
7	170_Mod	Not a TEC	26.1	26.1	1.2	PCT Cleared - 41%	High Sensitivity to Gain			1.50		12
											Subtotal	**12**
Gypseous shrubland on rises in the semi-arid and arid plains												
11	253_Mod	Not a TEC	54.3	54.3	86	PCT Cleared - 30%	High Sensitivity to Gain			1.50		1749
											Subtotal	**1749**
Lunette chenopod shrubland mainly of the Murray Darling Depression Bioregion												
3	152_Mod	Not a TEC	49.8	49.8	189.7	PCT Cleared - 27%	High Sensitivity to Gain			1.50		3542
											Subtotal	**3542**
Pearl Bluebush low open shrubland of the arid and semi-arid plains												
4	154_Mod	Not a TEC	34.2	34.2	824.5	PCT Cleared - 43%	High Sensitivity to Gain			1.50		10567
											Subtotal	**10567**

Samphire - Water Weed - Sea-Heath shrubland saline wetland of depressions of the arid and semi-arid (warm) zones											
2	64_Mod	Not a TEC	49.9	49.9	74.9	PCT Cleared - 0%	High Sensitivity to Gain			1.50		1403
											Subtotal	**1403**
Woollybutt Grass open grassland on red earths of the inland plains											
8	215_Mod	Not a TEC	20.1	20.1	5.1	PCT Cleared - 20%	High Sensitivity to Gain			1.50		38
9	215_High	Not a TEC	31.6	31.6	0.82	PCT Cleared - 20%	High Sensitivity to Gain			1.50		10
											Subtotal	**48**
											Total	**28714**

Species credits for threatened species

Vegetation zone name	Habitat condition (Vegetation Integrity)	Change in habitat condition	Area (ha)/Count (no. individuals)	Sensitivity to loss (Justification)	Sensitivity to gain (Justification)	BC Act Listing status	EPBC Act listing status	Potential SAII	Species credits
Austrostipa nullanulla / A spear-grass (Flora)									
58_Mod	53.8	53.8	1.4	Geographic Distribution	Ability to colonise improved habitat	Endangered	Not Listed	True	58

64_Mod	49.9	49.9	0.35	Geographic Distribution	Ability to colonise improved habitat	Endangered	Not Listed	True	13
152_Mod	49.8	49.8	1.4	Geographic Distribution	Ability to colonise improved habitat	Endangered	Not Listed	True	52
154_Mod	34.2	34.2	2.2	Geographic Distribution	Ability to colonise improved habitat	Endangered	Not Listed	True	57
157_Mod	77.1	77.1	11.8	Geographic Distribution	Ability to colonise improved habitat	Endangered	Not Listed	True	683
253_Mod	54.3	54.3	17.5	Geographic Distribution	Ability to colonise improved habitat	Endangered	Not Listed	True	713
254_Mod	60.5	60.5	0.83	Geographic Distribution	Ability to colonise improved habitat	Endangered	Not Listed	True	38
								Subtotal	**1614**

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Ecosystem credits for plant communities types (PCT), ecological communities & threatened species habitat

Zone	Vegetation zone name	TEC name	Current Vegetation integrity score	Change in Vegetation integrity (loss / gain)	Area (ha)	Sensitivity to loss (Justification)	Species sensitivity to gain class	BC Act Listing status	EPBC Act listing status	Biodiversity risk weighting	Potential SAII	Ecosystem credits
Black Oak - Western Rosewood open woodland on deep sandy loams mainly in the Murray Darling Depression Bioregion												
1	58_Mod	Not a TEC	53.8	53.8	2.1	PCT Cleared - 50%	High Sensitivity to Gain			1.75		50
											Subtotal	**50**

Bladder Saltbush shrubland on alluvial plains in the semi-arid (warm) zone including Riverina Bioregion												
4	157_Mod	Not a TEC	77.1	77.1	102.5	PCT Cleared - 60%	High Sensitivity to Gain			1.75		3455
5	157_High	Not a TEC	70	70.0	2.6	PCT Cleared - 60%	High Sensitivity to Gain			1.75		78
											Subtotal	**3533**
Pearl Bluebush low open shrubland of the arid and semi-arid plains												
3	154_Mod	Not a TEC	34.2	34.2	26.3	PCT Cleared - 43%	High Sensitivity to Gain			1.50		337
											Subtotal	**337**
Samphire - Water Weed - Sea-Heath shrubland saline wetland of depressions of the arid and semi-arid (warm) zones												
2	64_Mod	Not a TEC	49.9	49.9	336.9	PCT Cleared - 0%	High Sensitivity to Gain			1.50		6309
											Subtotal	**6309**
											Total	**10229**

Species credits for threatened species

BAM Credit Summary Report

Vegetation zone name	Habitat condition (Vegetation Integrity)	Change in habitat condition	Area (ha)/Count (no. individuals)	Sensitivity to loss (Justification)	Sensitivity to gain (Justification)	BC Act Listing status	EPBC Act listing status	Potential SAII	Species credits
Austrostipa nullanulla / A spear-grass (Flora)									
64_Mod	49.9	49.9	0.04	Geographic Distribution	Ability to colonise improved habitat	Endangered	Not Listed	True	1
154_Mod	34.2	34.2	0.97	Geographic Distribution	Ability to colonise improved habitat	Endangered	Not Listed	True	25
157_Mod	77.1	77.1	0.93	Geographic Distribution	Ability to colonise improved habitat	Endangered	Not Listed	True	54
								Subtotal	**80**

BAM Credit Summary Report

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Assessment Type
Major Projects

* Disclaimer: BAM data last updated may indicate either complete or partial update of the BAM calculator database. BAM calculator database may not be completely aligned with Bionet.

Ecosystem credits for plant communities types (PCT), ecological communities & threatened species habitat

Zone	Vegetation zone name	TEC name	Current Vegetation integrity score	Change in Vegetation integrity (loss / gain)	Area (ha)	Sensitivity to loss (Justification)	Species sensitivity to gain class	BC Act Listing status	EPBC Act listing status	Biodiversity risk weighting	Potential SAII	Ecosystem credits
Black Oak - Pearl Bluebush open woodland of the sandplains of the semi-arid warm and arid climate zones												
5	221_Mod	Not a TEC	57.3	57.3	38	PCT Cleared - 30%	High Sensitivity to Gain			1.50		816
											Subtotal	**816**

Black Oak - Western Rosewood open woodland on deep sandy loams mainly in the Murray Darling Depression Bioregion												
1	58_Mod	Not a TEC	53.8	53.8	7.2	PCT Cleared - 50%	High Sensitivity to Gain			1.75		169
											Subtotal	**169**
Bladder Saltbush shrubland on alluvial plains in the semi-arid (warm) zone including Riverina Bioregion												
4	157_Mod	Not a TEC	77.1	77.1	61.8	PCT Cleared - 60%	High Sensitivity to Gain			1.75		2083
											Subtotal	**2083**
Pearl Bluebush low open shrubland of the arid and semi-arid plains												
3	154_Mod	Not a TEC	34.2	34.2	76.2	PCT Cleared - 43%	High Sensitivity to Gain			1.50		977
											Subtotal	**977**
Samphire - Water Weed - Sea-Heath shrubland saline wetland of depressions of the arid and semi-arid (warm) zones												
2	64_Mod	Not a TEC	49.9	49.9	121.2	PCT Cleared - 0%	High Sensitivity to Gain			1.50		2269
											Subtotal	**2269**
											Total	**6314**

Species credits for threatened species

BAM Credit Summary Report

Vegetation zone name	Habitat condition (Vegetation Integrity)	Change in habitat condition	Area (ha)/Count (no. individuals)	Sensitivity to loss (Justification)	Sensitivity to gain (Justification)	BC Act Listing status	EPBC Act listing status	Potential SAII	Species credits
Austrostipa nullanulla / A spear-grass (Flora)									
64_Mod	49.9	49.9	0.04	Geographic Distribution	Ability to colonise improved habitat	Endangered	Not Listed	True	1
154_Mod	34.2	34.2	0.44	Geographic Distribution	Ability to colonise improved habitat	Endangered	Not Listed	True	11
157_Mod	77.1	77.1	0.53	Geographic Distribution	Ability to colonise improved habitat	Endangered	Not Listed	True	31
								Subtotal	**43**

BAM Credit Summary Report

Proposal Details

Assessment Id
00052608/BAAS25008/26/00065392

Proposal Name
Copi Mineral Sands Project

BAM data last updated *
05/08/2025

Assessor Name
John Allan Foster

Report Created
02/04/2026

BAM Data version *
Current classification (live - default) (82)

Assessor Number
BAAS25008

BAM Case Status
Finalised

Date Finalised
31/03/2026

Assessment Revision
0

BOS entry trigger

Assessment Type
Major Projects

* Disclaimer: BAM data last updated may indicate either complete or partial update of the BAM calculator database. BAM calculator database may not be completely aligned with Bionet.

Ecosystem credits for plant communities types (PCT), ecological communities & threatened species habitat

Zone	Vegetation zone name	TEC name	Current Vegetation integrity score	Change in Vegetation integrity (loss / gain)	Area (ha)	Sensitivity to loss (Justification)	Species sensitivity to gain class	BC Act Listing status	EPBC Act listing status	Biodiversity risk weighting	Potential SAII	Ecosystem credits
Black Oak - Pearl Bluebush open woodland of the sandplains of the semi-arid warm and arid climate zones												
9	221_Mod	Not a TEC	57.3	57.3	280.9	PCT Cleared - 30%	High Sensitivity to Gain			1.50		6038

10	221_High	Not a TEC	62	62.0	3.1	PCT Cleared - 30%	High Sensitivity to Gain			1.50		72
											Subtotal	**6110**
Black Oak - Western Rosewood open woodland on deep sandy loams mainly in the Murray Darling Depression Bioregion												
1	58_Mod	Not a TEC	53.8	53.8	32.4	PCT Cleared - 50%	High Sensitivity to Gain			1.75		762
											Subtotal	**762**
Bladder Saltbush shrubland on alluvial plains in the semi-arid (warm) zone including Riverina Bioregion												
5	157_Mod	Not a TEC	77.1	77.1	139.7	PCT Cleared - 60%	High Sensitivity to Gain			1.75		4709
6	157_High	Not a TEC	70	70.0	0.22	PCT Cleared - 60%	High Sensitivity to Gain			1.75		7
											Subtotal	**4716**
Chenopod sandplain mallee woodland/shrubland of the arid and semi-arid (warm) zones												
7	170_Mod	Not a TEC	26.1	26.1	0.75	PCT Cleared - 41%	High Sensitivity to Gain			1.50		7
											Subtotal	**7**

Gypseous shrubland on rises in the semi-arid and arid plains												
11	253_Mod	Not a TEC	54.3	54.3	54.2	PCT Cleared - 30%	High Sensitivity to Gain			1.50		1103
											Subtotal	**1103**
Lunette chenopod shrubland mainly of the Murray Darling Depression Bioregion												
3	152_Mod	Not a TEC	49.8	49.8	5.5	PCT Cleared - 27%	High Sensitivity to Gain			1.50		103
											Subtotal	**103**
Pearl Bluebush low open shrubland of the arid and semi-arid plains												
4	154_Mod	Not a TEC	34.2	34.2	566.7	PCT Cleared - 43%	High Sensitivity to Gain			1.50		7262
											Subtotal	**7262**
Samphire - Water Weed - Sea-Heath shrubland saline wetland of depressions of the arid and semi-arid (warm) zones												
2	64_Mod	Not a TEC	49.9	49.9	108.4	PCT Cleared - 0%	High Sensitivity to Gain			1.50		2030
											Subtotal	**2030**

Spinifex linear dune mallee mainly of the Murray Darling Depression Bioregion												
8	171_Mod	Not a TEC	63	63.0	5.6	PCT Cleared - 19%	High Sensitivity to Gain			1.50		132
											Subtotal	**132**
											Total	**22225**

Species credits for threatened species

Vegetation zone name	Habitat condition (Vegetation Integrity)	Change in habitat condition	Area (ha)/Count (no. individuals)	Sensitivity to loss (Justification)	Sensitivity to gain (Justification)	BC Act Listing status	EPBC Act listing status	Potential SAII	Species credits
Austrostipa nullanulla / A spear-grass (Flora)									
58_Mod	53.8	53.8	1.9	Geographic Distribution	Ability to colonise improved habitat	Endangered	Not Listed	True	75
64_Mod	49.9	49.9	0.51	Geographic Distribution	Ability to colonise improved habitat	Endangered	Not Listed	True	19
152_Mod	49.8	49.8	1.4	Geographic Distribution	Ability to colonise improved habitat	Endangered	Not Listed	True	52

154_Mod	34.2	34.2	3.2	Geographic Distribution	Ability to colonise improved habitat	Endangered	Not Listed	True	83
157_Mod	77.1	77.1	0.75	Geographic Distribution	Ability to colonise improved habitat	Endangered	Not Listed	True	43
253_Mod	54.3	54.3	13.3	Geographic Distribution	Ability to colonise improved habitat	Endangered	Not Listed	True	542
								Subtotal	**814**
Lophochroa leadbeateri / Pink Cockatoo (Fauna)									
154_Mod	34.2	34.2	3.8	Biodiversity Conservation Act listing status	Species dependent on habitat attributes	Vulnerable	Endangered	False	65
170_Mod	26.1	26.1	0.54	Biodiversity Conservation Act listing status	Species dependent on habitat attributes	Vulnerable	Endangered	False	7
221_Mod	57.3	57.3	7.2	Biodiversity Conservation Act listing status	Species dependent on habitat attributes	Vulnerable	Endangered	False	207

221_High	62.0	62.0	1	Biodiversity Conservation Act listing status	Species dependent on habitat attributes	Vulnerable	Endangered	False	31
								Subtotal	**310**

A-4-2 Biodiversity Credit Report Linear Corridor

BAM Credit Summary Report

Proposal Details

Assessment Id
00052608/BAAS25008/25/00055120

Proposal Name
Copi Sands Linear Corridor

BAM data last updated *
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Assessor Name
John Allan Foster

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Assessor Number
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Assessment Revision
11

BOS entry trigger

Assessment Type
Major Projects

* Disclaimer: BAM data last updated may indicate either complete or partial update of the BAM calculator database. BAM calculator database may not be completely aligned with Bionet.

Ecosystem credits for plant communities types (PCT), ecological communities & threatened species habitat

Zone	Vegetation zone name	TEC name	Current Vegetation integrity score	Change in Vegetation integrity (loss / gain)	Area (ha)	Sensitivity to loss (Justification)	Species sensitivity to gain class	BC Act Listing status	EPBC Act listing status	Biodiversity risk weighting	Potential SAII	Ecosystem credits
Black Oak - Western Rosewood open woodland on deep sandy loams mainly in the Murray Darling Depression Bioregion												
2	58_Mod	Not a TEC	53.8	53.8	48.8	PCT Cleared - 50%	High Sensitivity to Gain			1.75		1150
											Subtotal	**1150**

Chenopod sandplain mallee woodland/shrubland of the arid and semi-arid (warm) zones												
5	170_Mod	Not a TEC	26.1	26.1	13.6	PCT Cleared - 41%	High Sensitivity to Gain			1.50		133
											Subtotal	**133**
Narrow-leaved Hopbush - Scrub Turpentine - Senna shrubland on semi-arid and arid sandplains and dunes.												
3	143_Mod	Not a TEC	80.2	80.2	17.2	PCT Cleared - 30%	High Sensitivity to Gain			1.50		517
											Subtotal	**517**
Pearl Bluebush low open shrubland of the arid and semi-arid plains												
4	154_Mod	Not a TEC	34.2	34.2	102.1	PCT Cleared - 43%	High Sensitivity to Gain			1.50		1308
											Subtotal	**1308**
Spinifex linear dune mallee mainly of the Murray Darling Depression Bioregion												
6	171_Mod	Not a TEC	63	63.0	6.6	PCT Cleared - 19%	High Sensitivity to Gain			1.50		155
											Subtotal	**155**

White Cypress Pine open woodland of sand plains, prior streams and dunes mainly of the semi-arid (warm) climate zone												
1	28_Mod	Sandhill Pine Woodland in the Riverina, Murray-Darling Depression and NSW South Western Slopes bioregions	54.6	54.6	0.77	Biodiversity Conservation Act listing status	High Sensitivity to Gain	Endangered Ecological Community	Not Listed	2.00		21
											Subtotal	**21**
											Total	**3284**

Species credits for threatened species

Vegetation zone name	Habitat condition (Vegetation Integrity)	Change in habitat condition	Area (ha)/Count (no. individuals)	Sensitivity to loss (Justification)	Sensitivity to gain (Justification)	BC Act Listing status	EPBC Act listing status	Potential SAII	Species credits
Lophochroa leadbeateri / Pink Cockatoo (Fauna)									
58_Mod	53.8	53.8	3.4	Biodiversity Conservation Act listing status	Species dependent on habitat attributes	Vulnerable	Endangered	False	91
143_Mod	80.2	80.2	0.2	Biodiversity Conservation Act listing status	Species dependent on habitat attributes	Vulnerable	Endangered	False	8

154_Mod	34.2	34.2	3.9	Biodiversity Conservation Act listing status	Species dependent on habitat attributes	Vulnerable	Endangered	False	67
								Subtotal	**166**

A-5 Microbat Call Identification Report

A-5-1 Methods

Data received

Balance! Environmental received acoustic data recorded with Anabat Chorus (full-spectrum .WAV sequence files) and Anabat Express (nightly zero crossing analysis .ZCA files) in two survey localities ("Mine Site" and "Linear Corridor") during January-February 2025. Table 76 provides a deployment summary, with detector locations derived by averaging nightly GPS coordinates recorded by each unit.

The brief for this analysis was to determine the presence of *Nyctophilus* spp. calls (as a proxy of potential occurrence *of N. corbeni* and *Myotis macropus* calls in the dataset.

Bat-call analysis

Analyses were performed in several steps with Anabat Insight (Version 2.1.3; Titley Scientific).

1. The Convert ZCA function was used to extract individual zero-crossing (.ZC) sequence files from the Anabat Express ZCA files.

2. The Search function was then used to scan all resulting ZC files and the Anabat Swift WAV files using a filter designed to find bat calls potentially belonging to *Nyctophilus* spp. and *Myotis macropus*. Filter criteria used in the search included:

- Characteristic frequency (Fc) minimum 35 kHz – maximum 45 kHz
- Slope of characteristic section (Sc) minimum 50 octaves per second (OPS)
- Pulse duration (Dur) minimum 2 ms
- Difference between maximum frequency and Fc (Fmax-Fc) minimum 5 kHz
- ZC threshold (relevant only to WAV files) = Auto
- Smoothness level = 5
- Minimum number of pulses per sequence meeting the above criteria = 4

3. Files that passed the above Search process were then reviewed manually to compare spectrogram characteristics and derived metrics with those of reference calls and published call descriptions (e.g., Pennay *et al.* 2004) for the target species.

Reporting standard

The format and content of this report follows Australasian Bat Society standards for the interpretation and reporting of bat call data (Reardon 2003), available on-line at http://www.ausbats.org.au/.

Species nomenclature follows Armstrong *et al.* (2020).

Table 76: Anabat deployment schedule: Copi Mineral Sands Project, January-February 2025.

Area	Detector	First night	Last night	Latitude	Longitude	Total files
Buzzard	ABD2	9/01/2025	12/01/2025	-33.6015	141.3148	707 WAV
	ABD3	9/01/2025	12/01/2025	-33.6021	141.3224	1273 ZC
	ABD4	9/01/2025	12/01/2025	-33.6017	141.3216	3319 ZC
	ABD5	9/01/2025	12/01/2025	-33.6014	141.3236	968 ZC
	ABD6	9/01/2025	12/01/2025	-33.6010	141.3177	1371 ZC
	ABD9	9/01/2025	12/01/2025	-33.6102	141.3117	1365 WAV
Haul Rd	ABD 2	13/01/2025	15/01/2025	-33.5852	141.5660	581 WAV
	ABD 4	13/01/2025	16/01/2025	-33.5835	141.5551	8155 ZC
	ABD 6	13/01/2025	16/01/2025	-33.5822	141.5459	7970 ZC
	ABD 9(1)	5/02/2025	8/02/2025	-33.5894	141.5845	795 WAV
	ABD 9(2)	9/02/2025	12/02/2025	-33.5923	141.6113	1635 WAV
	ABD 11	9/02/2025	12/02/2025	-33.5913	141.6047	548 WAV

A-5-2 Results & Discussion

Following ZCA conversion, the total dataset included 28,687 acoustic sequence files (23,056 ZC files and 5631 WAV files; see Table 76).

The Search filter extracted 1431 files containing calls potentially belonging to the target species; however, most of those calls were from non-target species (e.g., *Chalinolobus gouldii*, *C. picatus*, *Scotorepens balstoni*, *S. greyii*, *Vespadelus baverstocki*, *V. vulturnus*, *Ozimops petersi*).

Ninety-two (92) calls were attributable to *Nyctophilus* species; and those calls were detected at eight of the twelve sample sites (see Table 77). Example spectrograms of calls assigned to *Nyctophilus* species are presented in Figure 101.

Nyctophilus species cannot be reliably differentiated using call characteristics, so detected calls could belong to either or both of *N. geoffroyi* (Lesser Long-eared Bat) or the target species *N. corbeni* (Corben's or South-eastern Long-eared Bat). The only acceptable method to confirm the presence of *N. corbeni* is to undertake a trapping program (see Reardon 2010).

No calls attributable to *Myotis macropus* are present in in this dataset. Furthermore, it is highly improbable that *M. macropus* would be present in the study area since the detectors appear to have been deployed in dry mallee/woodland habitats at significant distance from the riparian zones of either the Great Darling Anabranch or the Murray River. The BatMap application (Australasian Bat Society 2021) indicates that *M. macropus* does not occur along the Anabranch and is only indicated to "possibly" occur on the Murray River between Swan Hill and Renmark.

Table 77: Copi Mineral Sands Project, January-February 2025: presence of *Nyctophilus* species - Number of calls detected per site.

Area	Site	Number of *Nyctophilus* calls
Mine Site	ABD2	2
	ABD3	11
	ABD4	19
	ABD5	0
	ABD6	5
	ABD9	10
Linear Corridor	ABD 2	0
	ABD 4	0
	ABD 6	0
	ABD 9-1	8
	ABD 9-2	34
	ABD 11	3

A-5-3 References

Armstrong, K.N., Reardon, T.B., and Jackson, S.M. (2020). A current taxonomic list of Australian Chiroptera. Australasian Bat Society. Version 2020-06-09. URL: http://ausbats.org.au/species-list/4593775065

Australasian Bat Society (2021). BatMap: *Myotis macropus*. http://ausbats.org.au/batmap; accessed 2/3/2025.

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Pennay, M., Law, B. and Reinhold, L. (2004). *Bat Calls of New South Wales*. Department of Environment and Conservation, Hurstville.

Reardon, T. (2003). Standards in bat detector-based surveys. *Australasian Bat Society Newsletter* **20**, 41-43.

Reardon, T. (2010). *Survey guidelines for Australia's threatened bats: Guidelines for detecting bats listed as threatened under the Environment Protection and Biodiversity Conservation Act 1999.* Department of the Environment, Water, Heritage & the Arts; Canberra.

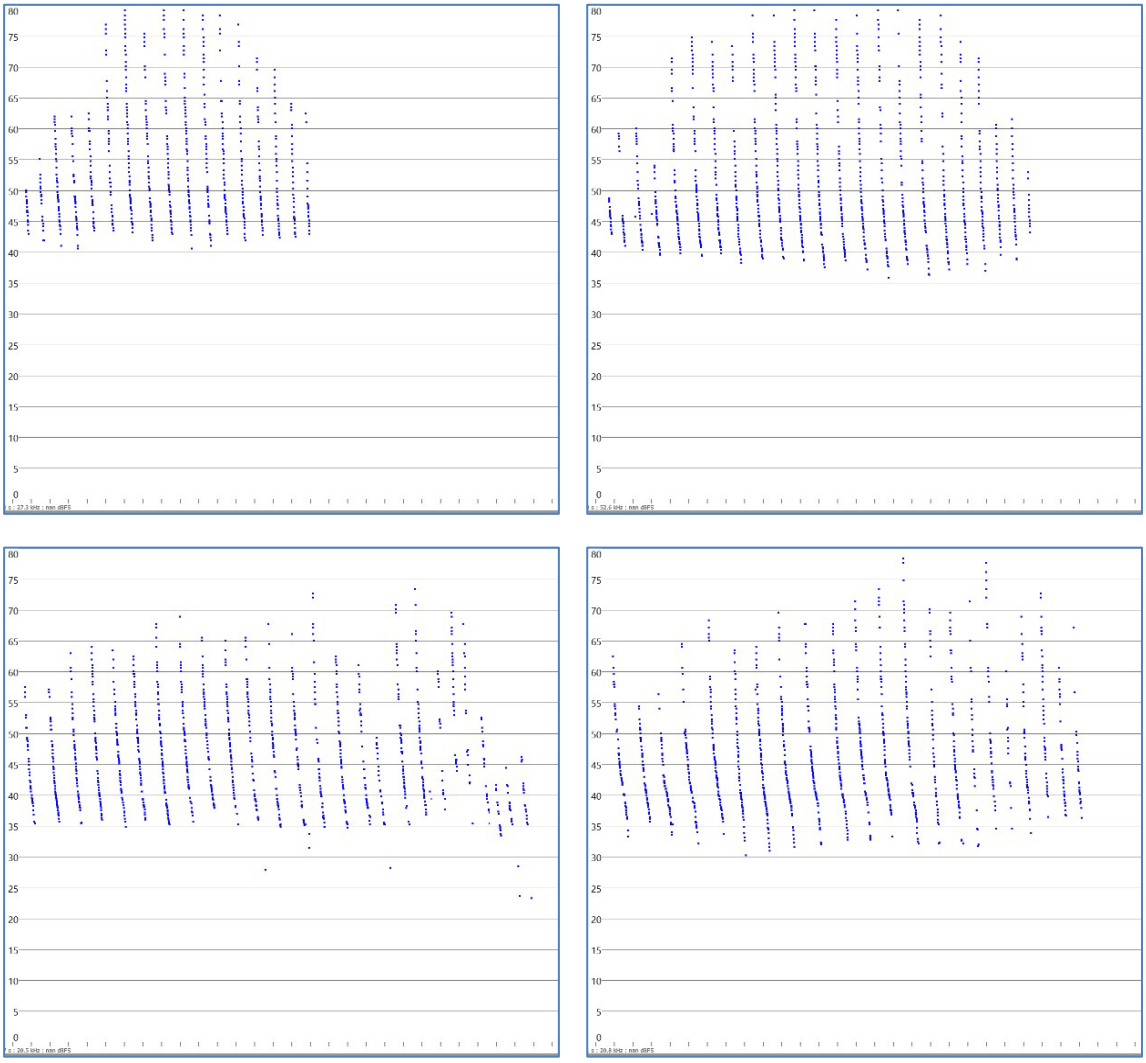


Figure 101: Representative *Nyctophilus sp.* call sequences from the Copi Mineral Sands Project, January-February 2025 survey dataset. x-axis = 10 ms per tick-mark; time between pulses removed ("compressed").

A-6 R.W. Corkery & Co. Geospatial analysis and Modelling Expert Report

Comparative Scenario Assessment - 2D HEC-RAS hydraulic simulation for a 1% AEP, 72-hour modelling storm. RWC (2026).

RWC used a 2D flood (hydraulic) model in HEC-RAS to estimate where water would flow, where it would pond, and how deep it could get during a large design storm. We then compared the "no mine / no bund" case against the "with mine / with bund" case so we could isolate what the flow bund changes under the same storm event. The key outputs we're relying on are the predicted peak flood depth maps for each scenario and the flood level difference mapping that highlights where water levels go up or down due to the bund and mine scenario.

What modelling was used and what did we interpret?
The modelling is based on a 2D HEC-RAS hydraulic simulation for a **1% AEP, 72-hour** design storm. Interpretation was done by comparing: (1) peak flood depth mapping for the "no mine" scenario versus the "with mine" scenario (with the flow bund shown), and (2) a flood level difference map that indicates where depths increase or decrease between scenarios. Overall, the mapping shows broadly similar flood patterns between scenarios at the site scale, with the most noticeable changes concentrated around the flow bund alignment and nearby low-lying areas.

What model inputs were used (high level)?
At a high level, the key inputs/assumptions were:

- **Terrain:** 5m-resolution elevation/topography to capture low points, drainage lines and subtle depressions where water can pond.
- **Design storm: 1% AEP, 72-hour** event (consistent across scenarios so the comparison is like-for-like).
- **Rainfall pattern and scaling:** design rainfall distribution through time adopted from the hydrology setup (hyetographs), with standard areal adjustment for catchment scale.
- **Losses:** infiltration/loss parameters applied consistently to represent initial wetting and ongoing losses during the event.
- **Surface conditions:** simplified/consistent roughness representation so differences in results are driven mainly by terrain and the bund inclusion.
- **Scenario change:** the main structural difference between scenarios is the inclusion of the **flow bund** in the "with mine" case, enabling an isolated comparison of its effect on water levels and flow redistribution.

Other useful details for your discussion with BA
This work is best treated as a **comparative scenario assessment**, not a detailed final design of a full surface water management system. The purpose is to show where the bund alters flow paths and local ponding, and whether those changes extend beyond the immediate area. The difference mapping indicates that changes are generally localised rather than widespread across the broader domain.

The inundation overlays (no-mine vs with-mine) can be used to support the discussion that inundation is largely occurring to the north in the mapped shrubland communities he noted, and that interaction with PCT64 appears limited on the mapping provided. It's still sensible to frame this as "based on the current mapping overlay" and note that northern-side ground-truthing limitations may be considered when interpreting exact PCT boundaries on that side.

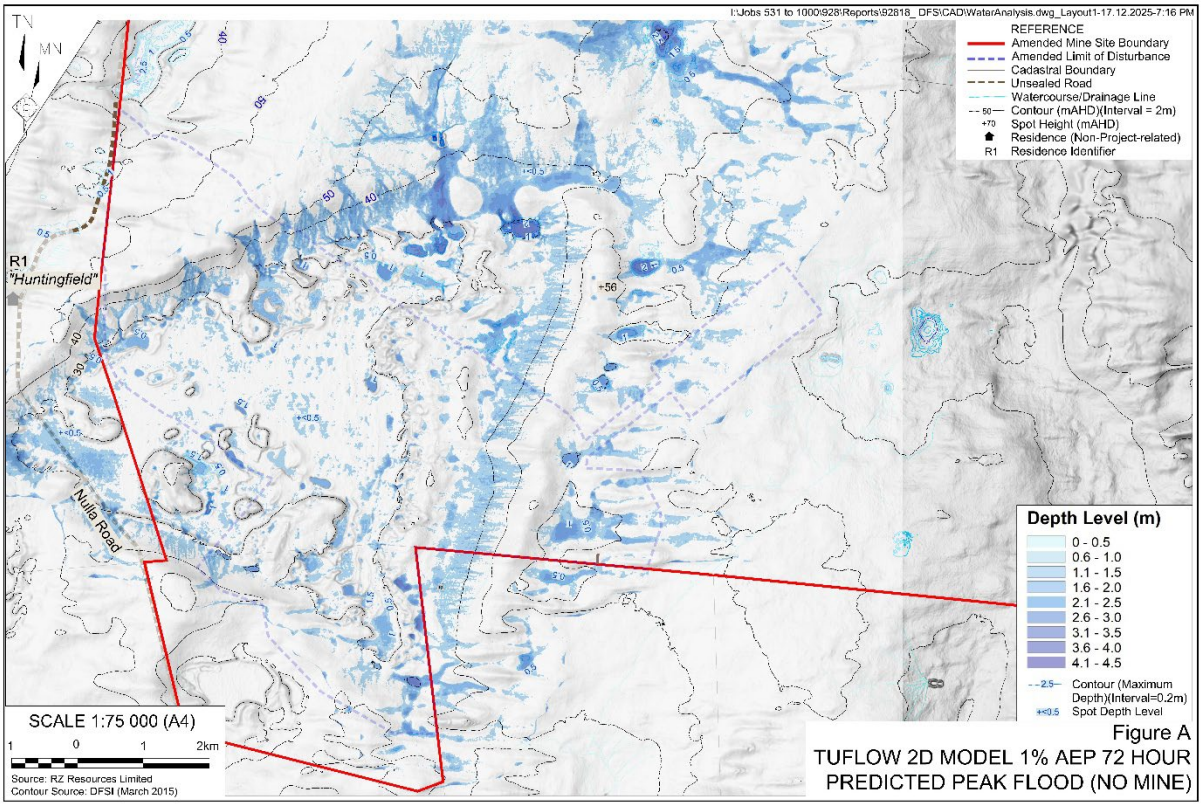


Figure 1: Figure A - Tuflow 2D Model 1_ AEP 72 hour Predicted Peak Flood (No Mine)-V3

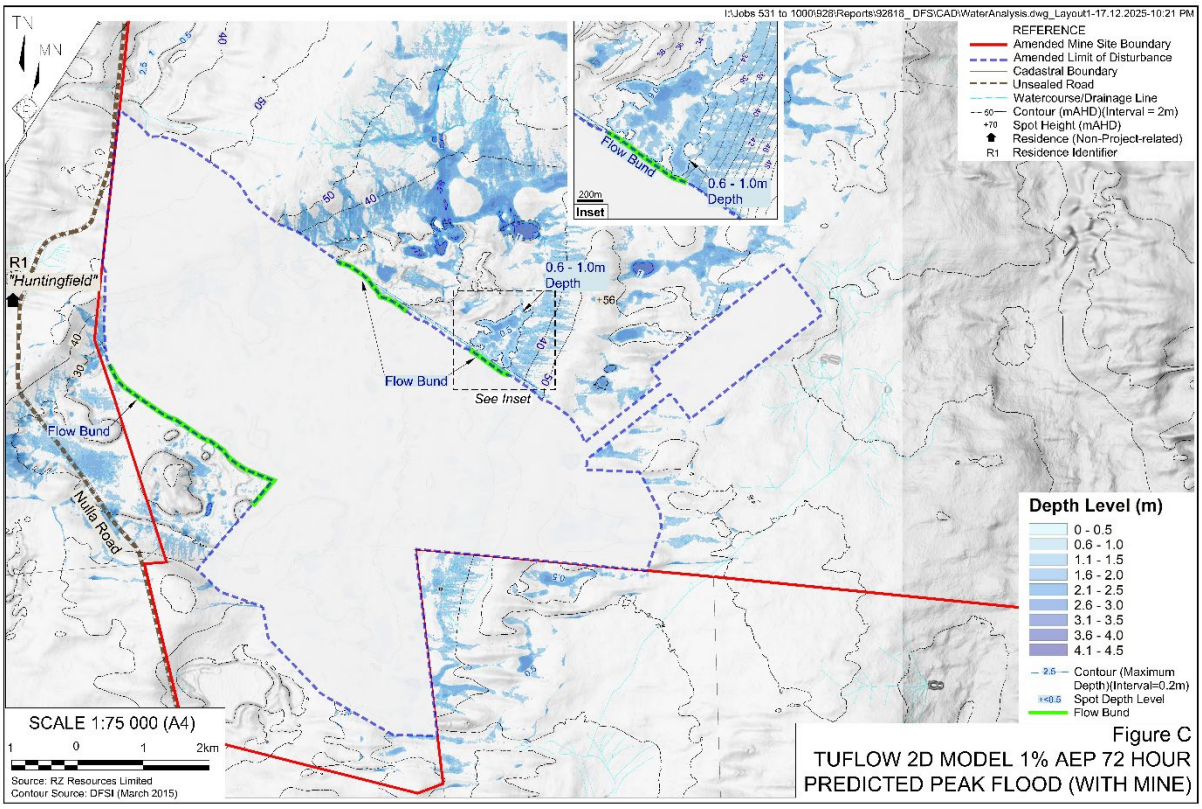


Figure 2: Figure B - Tuflow 2D Model 1_ AEP 72 hour Predicted Peak Flood (With Mine)-V3

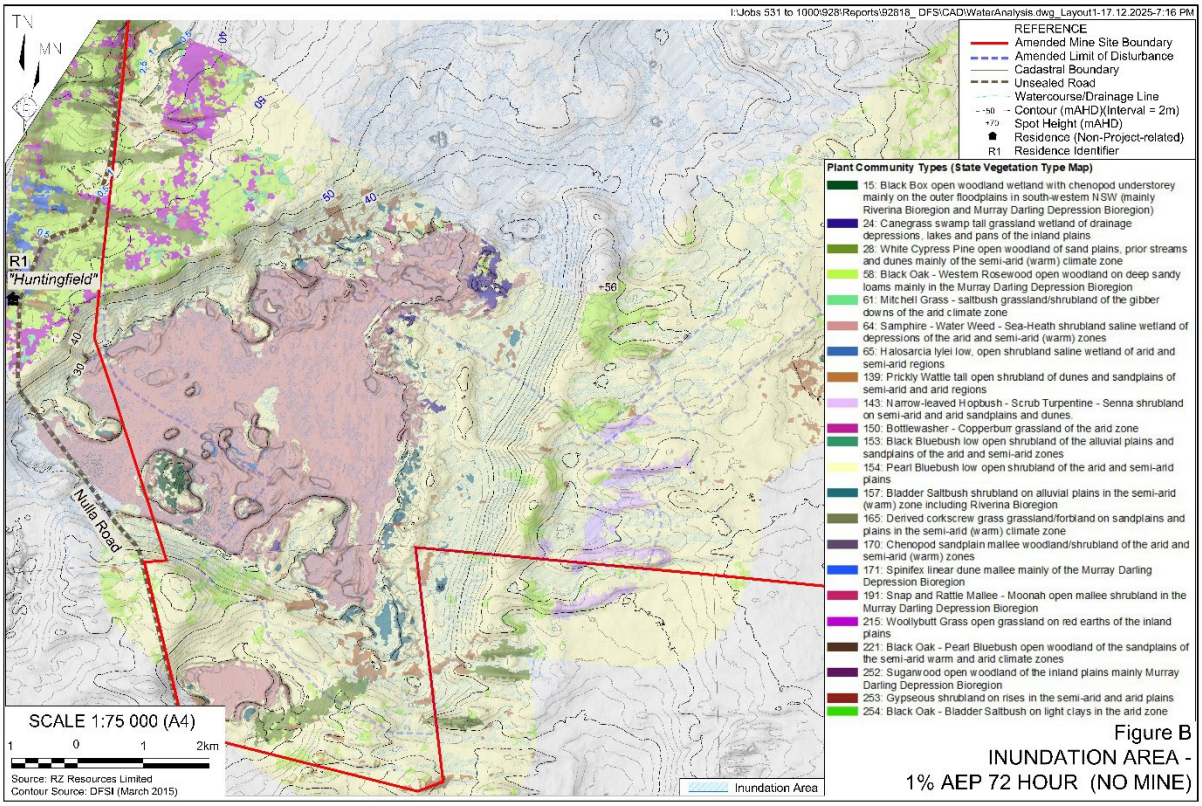


Figure 3: Figure C - Inundation Area 1_ AEP 72 hour Predicted Peak Flood (No Mine)-V3

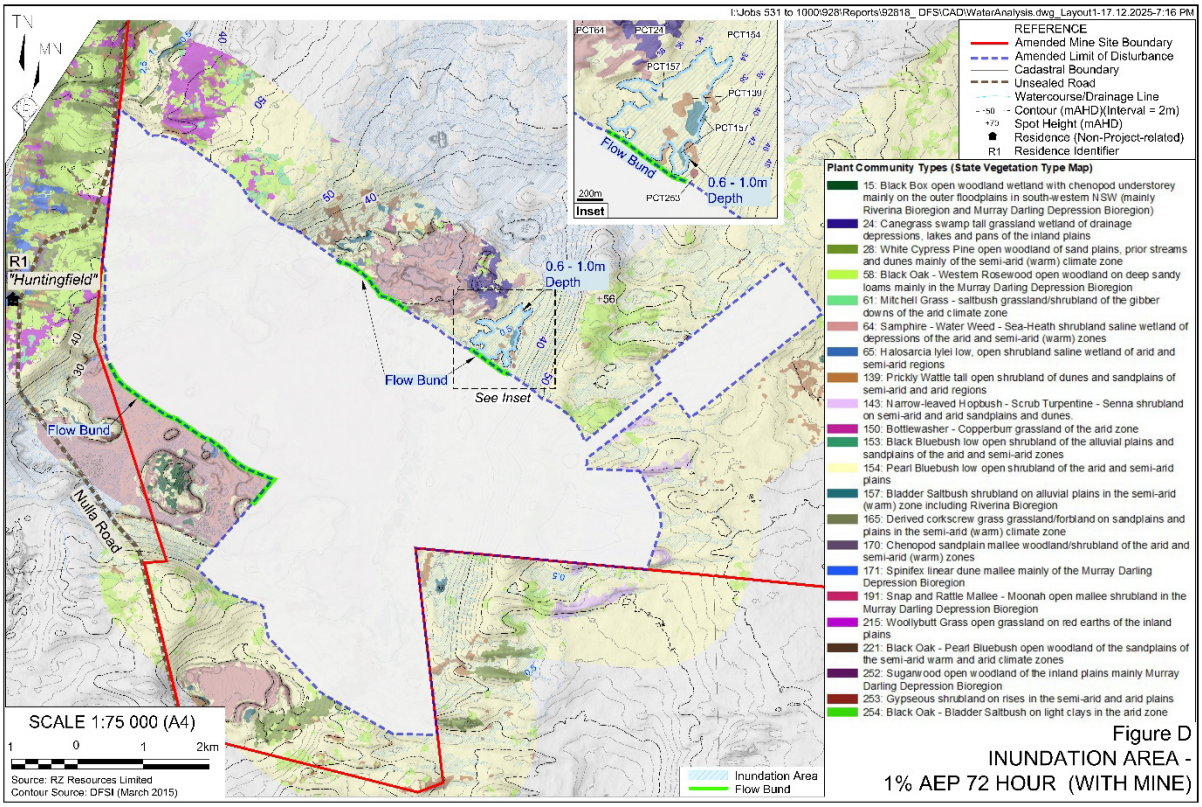


Figure 4: Figure D - Inundation Area 1_ AEP 72 hour Predicted Peak Flood (With Mine)-V3

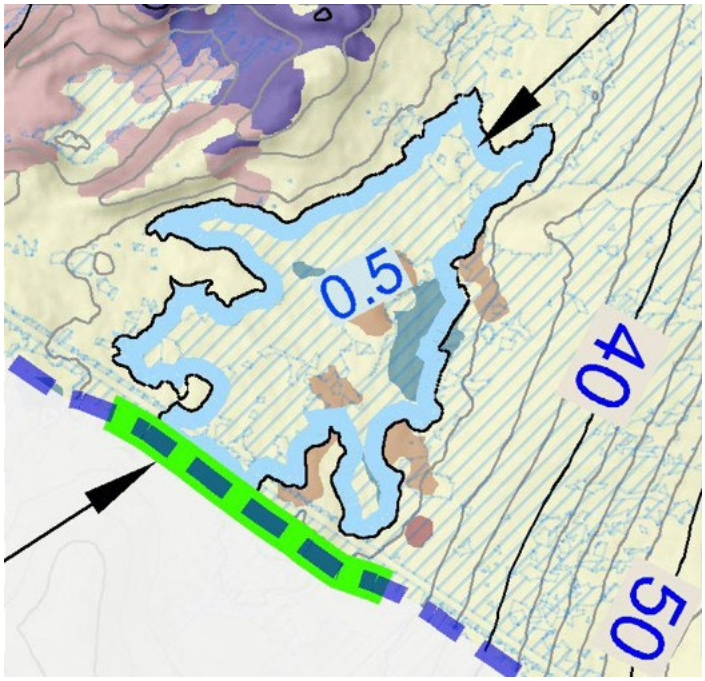


Figure 5: Inundation_Magnified

A-7 Ecological Horizons 2025: Desert Mouse and Painted Burrowing Frog Expert Advice

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Copi Mineral Sands Project: Desert Mouse and Painted Burrowing Frog Expert Advice



Desert Mouse showing distinctive orange eye-ring

Limitations Statement

In preparing this document Ecological Horizons Pty Ltd makes no warranty or guarantee, whether expressed or implied, with respect to the information reported or to the findings, observations or conclusions expressed in this document. Further, such information, findings, observations and conclusions are based solely on observations made and information available to Ecological Horizons Pty Ltd at the time of this study.

Credentials of Expert

Pseudomys desertor

Dr Read was recognised as an authority on *Pseudomys desertor* (SF23/131992) by the Director South West, Biodiversity and Conservation Division, Department of Planning and Environment on 17 November 2023 (Appendix 1).

Dr John Read 'rediscovered' *Pseudomys desertor* in South Australia (Read et al.1999) and has trapped the species at numerous sites in arid and semi arid zone. Dr Read also co-authored the Mammals of Australia section on *P. desertor* (Kerle et al 2008).

Dr Read has had 30 years' experience of mammals surveys in chenopod sandplain and mallee vegetation associations including many of the dominant plant species found in the Scotia Sandplains and Scotia Groundwater Basin vegetation types at the Copi Mineral Sands site on Warwick Station e.g. Black Oak (*Casuarina cristata*), White Cypress Pine (*Callitris glaucophylla*), Mallee (*Eucalyptus* spp), Bladder Saltbush (Atriplex vesicaria), Pearl Bluebush (*Maireana sedifolia*), Narrow-leafed Hopbush (*Dodonaea viscosa*) samphire and spinifex (*Triodia* spp).

In addition Dr Read has had 21 years' experience trapping in each of 3 additional study areas that either support *P. desertor* (APY Lands) or are in mallee Triodia dunefields (Middleback and Immarna) similar to Warwick Station. Dr Read has also trapped the Wild Deserts sites in Sturt National Park for the past 9 years, where the only record of *P. desertor* was recorded in NSW for the past decade

Neobatrachus pictus

Dr Read was recognised as an authority on *Neobatrachus pictus* (SF23/131995) by Director South West, Biodiversity and Conservation Division, Department of Planning and Environment on 17 November 2023 (Appendix 1).

Dr John Read has conducted extensive research into the ecology, diet, habitats and abnormality profiles of closely related *Neobatrachus sudelli* – involving sampling over 5000 frogs (Read 1999, Read and Owens 1999). In addition, Dr Read has conducted frog surveys and research for many frog species (Read and Owens 1999, Read 2000, Read *et al* 2015a) including long term monitoring in similar environments to Warwick Station at the study sites listed above.

Methods

This expert report has been prepared for Biodiversity Australia, to determine whether *Pseudomys desertor* or *Neobatrachus pictus* are likely to occur within the Copi Mineral Sands project area including Warwick Station, NSW. This expert report has been prepared in accordance with the requirements of Box 3 of the Biodiversity Assessment Method ('BAM'; DPIE 2020).

Ecological Horizons arranged for Alex Holmes of GHD to compile regional records (including through use of BioNet database and regional ecological connections) and conduct field inspections of Copi Mineral Sands project area for *Neobatrachus pictus* and suitable habitat for *Pseudomys desertor* (Appendix 2). Ecological Horizons have worked with Alex and trust and value his ecological skills, local knowledge and thoroughness and discussed with Alex optimum times and habitats for surveying both species. GHD visited the site on June 3, 2025 (Appendix 2).

In addition, six SM4 song meters were deployed by Biodiversity Australia on 13 May 2025 at sites considered most likely to support Painted Burrowing Frogs. At the time of report preparation there had not been a significant rain event likely to stimulate *Neobatrachus* calling but the intention is to maintain the recording until >50mm rain is received and then to analyse records for the 48hrs following rain (John Foster pers comm).

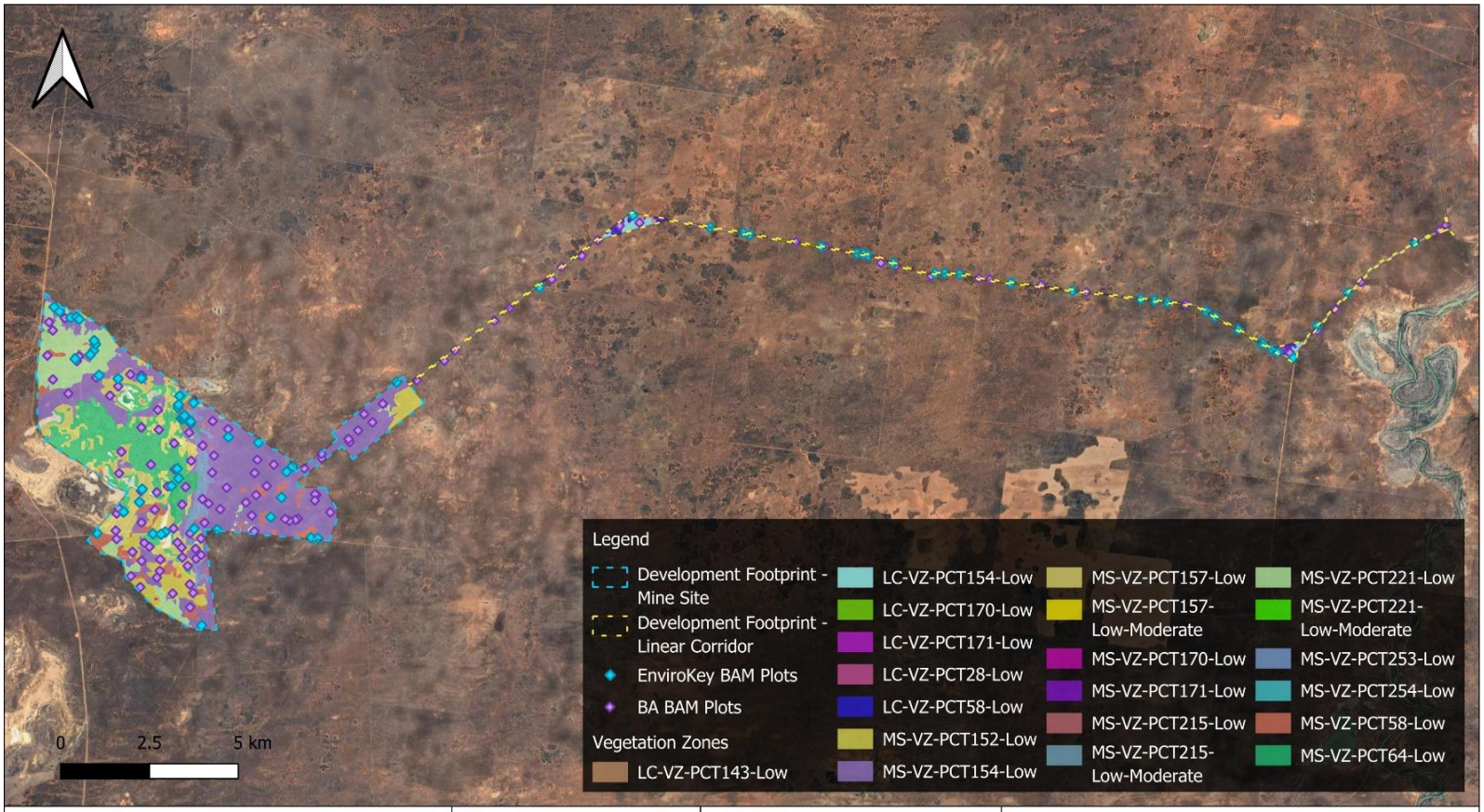
Results

Resident populations of both species are considered to be unlikely to occur in the Copi Mineral Sands Project Area (Figure 1) for several reasons:

1) Despite records for both species from the Tarawi Reserve (Desert Mouse) and Scotia Sanctuary (Painted Burrowing Frog) within 40km of the study area, scarcity of other nearby records suggest that the Project lies on, or just beyond, the periphery of the consistently occupied range of both species.
2) The habitat of the project area is 'heavily grazed' by goats and macropods (GHD 2025), without the extensive tracts of good quality *Triodia* hummockland or natural or artificial sedgeland that typify *P. desertor* habitat. The long unburnt *Triodia* without abundant green foliage required by *P. desertor*, suggest both food and shelter sites are suboptimal in the region.
3) Potentially suitable, yet low likelihood, breeding habitat for Painted Burrowing Frogs was identified at 5 sites. Analyses of song meter data following >50mm rainfall events, and ideally follow-up ground surveys would be required to confirm or rule out their habitation of these sites. However, the extensive tracts of unsuitable saline wetlands and paucity of quality ephemeral swamps or

rockholes makes it unlikely that the Copi Mineral Sands site provides important habitat for Painted Desert Frogs.

4) The abundance of foxes (observed nightly across the shrublands, and also feral cats observed consistently in and around the spinifex/mallee (J. Foster pers. comm.; tracks of both species observed (A Holmes pers. comm.) further reduces the likelihood of permanent Desert Mouse populations in the degraded study site.
5) The brief site appraisal failed to locate either species or likely habitat for either species within the project area (GHD 2025)



This mapping is to be considered indicative only and all derivations (e.g., vegetation communities) are best approximations and subject to errors including individual interpretation and reliance on information provided to Bio Aus where were not independently verified. All information is intended to be indicative only and no reliance for extrapolation, mapping etc. should be placed upon this map without independent validation of the information by the user. Bio Aus takes no responsibility for any subsequent error losses etc. that may arise from the use of this data without independent verification.

Project Manager: NC	Figure Name: Vegetation Zones and Plot locations – Development Footprint	Biodiversity AUSTRALIA	
Drawn by: NE	Location: Warwick Station		
Date: April 2025	Client: R.W. Corkery & Co.	Job Number: ENS6872	Spatial Reference: GDA2020 / MGA zone 54
			Scale: 1:140000

Figure 1 Copi Mineral Sands Development footprint

Discussion

The Desert Mouse, unlike other small rodents is unlikely to be overlooked, even by many members of the public, due to its combination of long fur and especially distinctive orange eye ring. Hence the lack of records from the region are unlikely to be attributed to confusion with other rodents. Similarly, Painted Burrowing Frogs can really only be confused with Trilling Frogs (*N. sudelli*) which have also not been recorded in the region and hence the absence of local Painted Burrowing Frog records is also unlikely to be attributed to misidentification.

Pseudomys desertor is susceptible to predation by feral cats and probably foxes. Because they are a folivore, *P. desertor* are active for longer periods, including before dark and hence potentially more vulnerable to predators, including birds of prey than truly nocturnal rodents. The susceptibility of medium-sized rodents to feral cats (Read *et al*. 2024) means that it is highly unlikely that a population of *P. desertor* could be sustained in the sparsely vegetated Project Area.

Although reliant upon access to breeding ponds, *Neobatrachus pictus* can move considerable distances through incremental nightly movements over cumulative rainfall events over several years. Dispersing animals can therefore be found in suboptimal, even marginal habitat at considerable distances from reliable, or even intermittently suitable, breeding ponds. Continued monitoring of the identified potential breeding sites will be required to confirm or rule out their low likelihood of occurrence, however, the occurrence of widespread saline wetlands which are unsuitable for *N. pictus,* suggests the Copi Mineral Sands site is highly unlikely to be of significance for *N. pictus*.

Conclusions

The expert opinion provided here of resident or important populations of either *P. desertor* and *N. pictus* being unlikely at the Copi Mineral Sands site is supported by the conclusions from the GHD literature, data review and site report.

However, expert opinion also suggests that should the Copi Mineral Sands proposal progress to development, there are still tangible benefits that can be provided to the local biodiversity, including potentially expanding populations of *P. desertor*. Infrastructure projects can make a positive contribution to conservation by addressing, as well as not exacerbating, key threats (e.g. Read 2003). For example, reduction in regional feral cat densities through proactive management can lead to profound improvements in small mammal diversity and abundance, both within (Moseby et al. 2019) and beyond (Pedler et al. 2016) conservation management areas. Other opportunities for positive biodiversity benefits could arise from revegetating with endemic plant species, including rare species, and assisting with regional control of overabundant herbivores, notably feral goats and overabundant kangaroos that have negatively impacted the habitat quality and productivity of the site. Striving to provide positive biodiversity benefits may offset inevitable localised impacts from infrastructure developments.

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Appendix 1 Expert status verification

Department of Planning and Environment

Dr John Read
ecological67@gmail.com

Our ref: SF23/131992
Sender's ref: BE 23 10

17 November 2023

Dear Dr Read

Approval of Name as an expert for Desert Mouse (*Pseudomys desertor*)

Thank you for your application dated 23 September 2023 to the Biodiversity and Conservation Division (BCD) of the Department of Planning and Environment.

BCD has reviewed the information provided in support of this request and is satisfied that you meet the definition of a species expert for Desert Mouse (*Pseudomys desertor*) in accordance with section 5.3 (Box 3) of the Biodiversity Assessment Method.

Please note that this formal recognition of you as an expert only applies to the Mallee Wind Farm project within the Wentworth Local Government Area.

If you require any further information regarding this matter, please contact Andrew Fisher, Senior Team Leader Planning, via rog.southwest@environment.nsw.gov.au or 02 6022 6023.

Yours sincerely

Adam Vey
Director South West
Biodiversity and Conservation Division
Department of Planning and Environment

NSW GOVERNMENT

Department of Planning and Environment

Dr John Read
ecological67@gmail.com

Our ref: SF23/131995
Sender's ref: BE 23 11

17 November 2023

Dear Dr Read

Approval of Dr John Read as an expert for Painted Burrowing Frog (*Neobatrachus pictus*)

Thank you for your application dated 23 September 2023 to the Biodiversity and Conservation Division (BCD) of the Department of Planning and Environment.

BCD has reviewed the information provided in support of this request and is satisfied that you meet the definition of a species expert for Painted Burrowing Frog (*Neobatrachus pictus*) in accordance with section 5.3 (Box 3) of the Biodiversity Assessment Method.

Please note that this formal recognition of you as an expert only applies to the Mallee Wind Farm project within the Wentworth Local Government Area.

If you require any further information regarding this matter, please contact Andrew Fisher, Senior Team Leader Planning, via rog.southwest@environment.nsw.gov.au or 02 6022 6023.

Yours sincerely



Adam Vey
Director South West
Biodiversity and Conservation Division
Department of Planning and Environment

Appendix 2 GHD report

A-8 GHD 2025: Desert Mouse and Painted Burrowing Frog Assessment

Copi Mineral Sands Project Desert Mouse and Painted Burrowing Frog Assessment

Biodiversity Australia Pty Ltd

03 July 2025

→ **The Power of Commitment**



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		Name	**Signature**	**Name**	**Signature**	**Date**
0	A Holmes	D Eyles		A Holmes		24/06/25
1	A Holmes	D Eyles		A Holmes		03/07/25

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1. Introduction

1.1 Purpose of this report

GHD Pty Ltd (GHD) has been engaged by Biodiversity Australia Pty Ltd for ecological services to support the assessment of a proposed mineral sands mine on Warwick Station for RZ mining. Biodiversity Australia require local ecological knowledge to assess the likelihood of occurrence of two threatened species listed under the New South Wales Biodiversity Conservation (BC) Act 2016, specifically the Desert Mouse (*Pseudomys desertor*) and Painted Burrowing Frog (*Neobatrachus pictus*) and also require the preparation of a summary report on these species to support a separate expert report to be prepared by Dr John Read from Ecological Horizons.

Further, an objective of the site visit was to review on-site, a recently a prepared polygon of potential Painted Burrowing Frog habitat to assess whether the species has the potential to occur within this mapped area. Our local GHD ecologists have extensive experience with both species, including conducting previous trapping programs for *P. desertor* in central Australia/NSW and nocturnal surveys for *N. pictus* in Victoria and in NSW where this species is poorly known.

1.2 Scope and limitations

This report: has been prepared by GHD for Biodiversity Australia Pty Ltd and may only be used and relied on by Biodiversity Australia Pty Ltd for the purpose agreed between GHD and Biodiversity Australia Pty Ltd as set out in section 1.1 of this report.

GHD otherwise disclaims responsibility to any person other than Biodiversity Australia Pty Ltd arising in connection with this report. GHD also excludes implied warranties and conditions, to the extent legally permissible.

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

The opinions, conclusions and any recommendations in this report are based on conditions encountered and information reviewed at the date of preparation of the report. GHD has no responsibility or obligation to update this report to account for events or changes occurring subsequent to the date that the report was prepared.

The opinions, conclusions and any recommendations in this report are based on assumptions made by GHD described in this report (refer section(s) 1.3 of this report). GHD disclaims liability arising from any of the assumptions being incorrect.

Accessibility of documents

If this report is required to be accessible in any other format, this can be provided by GHD upon request and at an additional cost if necessary.

GHD has prepared this report on the basis of information provided by Biodiversity Australia Pty Ltd and others who provided information to GHD (including Government authorities)], which GHD has not independently verified or checked beyond the agreed scope of work. GHD does not accept liability in connection with such unverified information, including errors and omissions in the report which were caused by errors or omissions in that information.

1.3 Assumptions

The scope did not include a detailed assessment or targeted surveys for Desert Mouse (*Pseudomys desertor*) and Painted Burrowing Frog (*Neobatrachus pictus*) or any other flora, fauna or aquatic assessments with conclusions in this report based on a brief one-day site visit on the 3rd of June 2025. As a result, in the future, additional species, including the focal species of this report may be detected that were not observed during the site visit.

The BioNet Atlas (BioNet) database can be used to search a defined geographical area to produce species lists of flora and fauna that have been recorded within the searched area. The database lists are only as accurate as the quality and quantity of data that have been recorded and documented from the area.

Location details for many records (typically older records) have a relatively low degree of accuracy (e.g., within 1 km).

These datasets are not exhaustive. In other words, many locations locally and across New South Wales have a low level of documented survey effort for one or more groups of flora and fauna. During field surveys, it is not uncommon to find species at locations for which there are few or no previous nearby database records.

Maps presented in this report displaying site information should not be relied on for the detailed design during the construction process. Data collected and presented in maps is accurate to +/- 5 m.

2. Species Information

2.1 Painted Burrowing Frog (*Neobatrachus pictus*)

2.1.1 Species description

The Painted Burrowing Frog *(Neobatrachus pictus*) is a large frog, ranging from 46 to 58 mm in length. It has grey, light brown or yellow dorsal head and body with dark brown or olive-green patches and a thin, light yellowish vertebral stripe. The underside of the body is smooth and white (NPWS 2000). The eye is particularly prominent and has a vertical pupil and the tympanum (eardrum) is not visible. Fingers are cylindrical and unwebbed, whereas the toes are fully webbed, with a black shovel-shaped lump on the undersurface, used for burrowing (NPWS 2000). The call is a long and musical trill.

Animals can be distinguished from the more widespread Sudell's Frog (*Neobatrachus sudelli*) by the lack of baggy skin around the groin, although this is a subjective morphological feature and not considered a highly reliable means to differentiate the species (A. Holmes pers. obs.). Other distinguishing features from *N. sudelli* is the call length, *N. pictus* has a longer call that approximately doubles that of *N. sudelli* (NPWS 2000). The most reliable way to differentiate the two species apart from call characteristics is via chromosomal analysis.



Plate 1 ***Painted Burrowing Frog from the Chalka Creek, Hattah-Kulkyne National Park, Vic.***

2.1.2 Life cycle

The Painted Burrowing Frog can breed at all times of year however is dependent on heavy rainfall events (approximately >25mm in 24 hours). Breeding usually occurs in shallow ephemeral pools, however, this species has also been observed breeding in dams, around swamps and on roads. Breeding can occur from late summer through to early spring with each breeding period lasting only a few days. After breeding occurs the species burrows beneath the soil surface. Once below the soil surface this species may remain dormant for up to three months (NPWS 2000) and probably up to six years (van Beurden 1979).

2.1.3 Distribution

The species is distributed primarily across southeastern South Australia and western Victoria with records from three locations within western New South Wales. These records are in Balranald (2014), west of Pooncarie (2000) and within Scotia sanctuary (1995) (ALA, 2024a). The species is considered to have no critical habitat within New South Wales, likely due to the paucity of records (NPWS 2000).

Due to the breeding events being reliant on heavy rainfall there may be an underestimation of the distribution or abundance of the species. However, the infrequent *N. pictus* occurrence within NSW is likely to be attributed to several factors including difficulty in species identification, access to suitable breeding habitat during rainfall events and the likelihood that the species is at the edge of its' distribution in western NSW.

2.1.4 Habitat requirements

The habitat for Painted Burrowing Frog ranges widely, they have been observed in grasslands, mallee, farmland and cleared areas. The species is found after heavy rainfall events. During breeding the species utilizes leaf litter, fallen logs and large rocks for shelter (NPWS 2000).

2.2 Desert Mouse (*Pseudomys desertor*)

2.2.1 Species description

The Desert Mouse (*Pseudomys desertor*) is a solitary medium-sized rodent with chestnut brown fur above and a light grey-brown belly. The tail is brown dorsally and lighter around the sides and ventrally and is equal in length or shorter than the head-body length. Species has large eyes with a pale orange eye-ring. Males and females are a similar size (ALA 2024b).



Plate 2 ***Desert Mouse observed during a trapping program in the Tanami Desert, NT.***

2.2.2 Life cycle

The Desert Mouse has a high reproduction rate with females being fertile on a 7–9-day cycle and become reproductively mature at ten weeks old. Gestation lasts 27-28 days and litter sizes average at three pups (ALA 2024b). The species has large population growth following periods of high rainfall that results in increased vegetation density. (NSW EH, 2024)

2.2.3 Distribution

The species is distributed throughout arid areas, including Central Australia, central inland Queensland, southern Kimberely and the Pilbara in Western Australia and far western New South Wales. There have been very few records of the Desert Mouse in New South Wales and therefore it is thought that NSW is at the edge of the species distribution. (ALA 2024b).

Recent studies have shown that areas with Dingo presence, the pressure of feral predation of small mammals has been reduced compared to areas without Dingoes (Christopher E. Gordon, 2015). The majority of the Desert Mouse distribution has Dingoes present however, the NSW part of its range does not. This may mean the species would become at an increased risk to predation of feral cats and foxes. Additionally, overgrazing in NSW suppresses the species ability to spread to suitable habitat as it is reliant on dense vegetation.

2.2.4 Habitat requirements

Desert Mouse is primarily found in sand dune or sand plain habitats with spinifex. They have also been found in spinifex grasslands, open eucalypt, Acacia shrubland, riparian woodlands and samphire. The species is sensitive to overgrazing due to their reliance on habitats featuring dense grass, sedge or dense groundcover. The species is also sensitive to predation, particularly by feral cats and foxes.

Mallee woodland are ecological communities occurring in semi-arid environments dominated by multi-stemmed, low growing eucalypts. They are diverse communities that support a variety of biota that depend on the specific features of the ecosystem to persist. This includes remnant populations of other rare and threatened species such as the Malleefowl (*Leipoa ocellata*), Gilberts Whistler (*Pachycephala inornata)* and Southern Scrub-robin (*Drymodes brunneopygia).*

Often mallee woodland and mallee dune habitats occur in combination with spinifex (*Triodia* sp.). Spinifex provides habitats provide important groundcover needed by a variety of reptiles and ground mammal species. This includes the Desert Mouse (*Pseudomys desertor).*

3. Description of area

3.1 Landscape context

The development footprint is located in the Scotia Plains and Scotia Groundwater Basins Mitchell Landscapes.

3.1.1 Scotia Sandplains (Sts)

These Scotia Sandplains exhibit slight undulation, featuring east-west trending sand dunes with relief ranging from 3 to 10 meters. These plains include broad swales and small depressions. The soil composition varies, with solonized brown soils and texture-contrast soils on the plains, red and brown sands and earthy sands on dunes, and non-cracking clays in depressions.

Vegetation is diverse, featuring mallee (*Eucalyptus* sp.), Porcupine Grass (*Triodia irritans*), Rosewood (*Alectryon oleifolius*), Belah (*Casuarina cristata*), Bladder Saltbush (*Atriplex vesicaria*), Sugarwood (*Myoporum platycarpum*), occasional Wilga (*Geijera parviflora*), White Cypress Pine (*Callitris glaucophylla*), and moderate to dense stands of Black Bluebush (*Maireana pyramidata*) and Pearl Bluebush (*Maireana sedifolia*). The dunes support vegetation such as Belah, White Cypress Pine, mallee, and Narrow-leaf Hopbush (*Dodonaea attenuata*). Depressions are characterized by annual saltbush (Atriplex sp.) and Canegrass (*Eragrostis australasica*), bordered by Black Box (*Eucalyptus largiflorens*) and Dillon Bush (*Nitraria billardierei*).

3.1.2 Scotia Groundwater Basins (Stb)

This landscape is comprised of small sub-circular to irregular relict saline lakes and lunettes are accompanied by extensive sandplains and isolated dunes with a relief up to 6m. The lake floors consist of highly saline, gypseous, or calcareous grey clays with copi islands. Lunettes and dunes feature deep sandy red earths, while the sandplains have scalded to sandy solonized brown soils. Swales contain sandy to loamy solonized brown soils.

The vegetation on the lake floors includes chenopods, Canegrass (*Eragrostis australasica*), and forbs, with margins hosting Belah (*Casuarina cristata*), White Cypress Pine (*Callitris glaucophylla*), Yarran (*Acacia homalophylla*), and Black Bluebush (*Maireana pyramidata*). Lunettes support mallee (*Eucalyptus* species), Porcupine Grass (*Triodia irritans*), and locally dense bluebush (*Maireana* species). Sandplains are populated with Belah, rosewood (*Alectryon oleifolius*), Sugarwood (*Myoporum platycarpum*), and mallee, along with abundant grasses and forbs.

3.1.3 Study area

The Study Area is located approximately 120km northwest by road from Wentworth in western NSW and 30-40 km east of the SA border (see Figure 1).

The Study Area is also roughly 20 km southeast of Tarawi Nature Reserve (NSW National Parks and Wildlife Service).

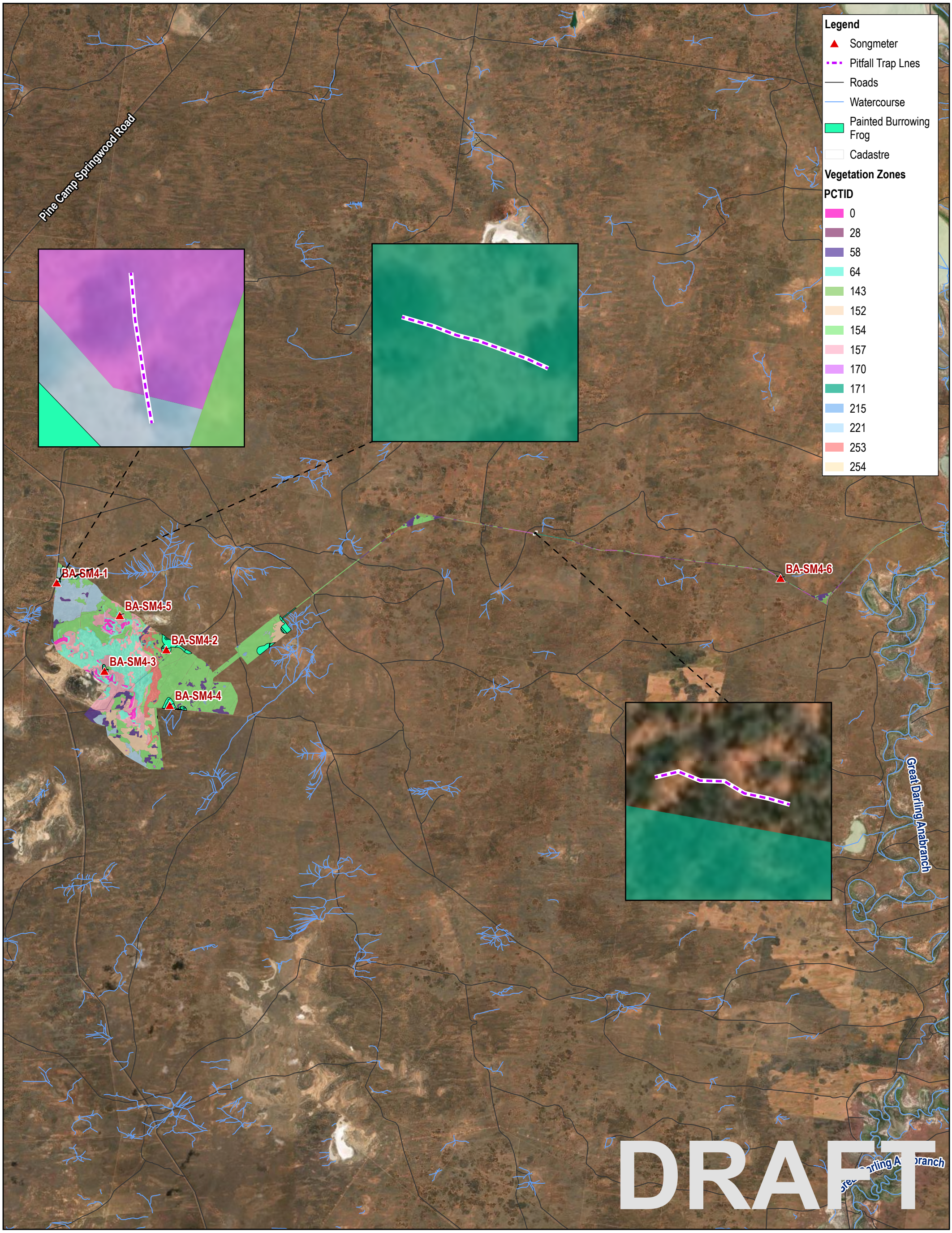
3.2 Native vegetation

The development footprint is primarily Plant Community Type (PCT) 154, which is an open Pearl Bluebush shrubland and PCT 64, a Samphire mixed saline shrubland with smaller areas of Bladder Saltbush shrubland (PCT 157) and Black Oak – Pearl Bluebush shrubland (PCT 221). There are an additional 10 PCT's with smaller areas. The description and area of each PCT is shown in Figure 1 and are described below (Table 1).

Table 1 Plant community types, status and area mapped within development footprint

Veg Zone	PCT		total area ha
MS - Cleared area	0		109.98
MS-VZ-PCT64-Low	64	Samphire - Water Weed - Sea-Heath shrubland saline wetland	641.45
MS-VZ-PCT58-Low	58	Black Oak - Western Rosewood open woodland	189.82
MS-VZ-PCT254-Low	254	Black Oak - Bladder Saltbush on light clays	1.16
MS-VZ-PCT253-Low	253	Gypseous shrubland on rises in the semi-arid and arid plains	139.97
MS-VZ-PCT221-Low-Moderate	221	Black Oak - Pearl Bluebush open woodland	3.20
MS-VZ-PCT221-Low	221	Black Oak - Pearl Bluebush open woodland	391.77
MS-VZ-PCT215-Low-Moderate	215	Woollybutt Grass open grassland on red earths	0.82
MS-VZ-PCT215-Low	215	Woollybutt Grass open grassland on red earths	5.07
MS-VZ-PCT171-Low	171	Spinifex linear dune mallee	5.57
MS-VZ-PCT170-Low	170	Chenopod sandplain mallee woodland/shrubland	1.98
MS-VZ-PCT157-Low-Moderate	157	Bladder Saltbush shrubland on alluvial plains	3.58
MS-VZ-PCT157-Low	157	Bladder Saltbush shrubland on alluvial plains	492.12
MS-VZ-PCT154-Low	154	Pearl Bluebush low open shrubland	1564.74
MS-VZ-PCT152-Low	152	Lunette chenopod shrubland	249.98
LC - Cleared area	0		29.06
LC-VZ-PCT58-Low	58	Black Oak - Western Rosewood open woodland	48.56
LC-VZ-PCT28-Low	28	White Cypress Pine open woodland of sand plains	0.77

Veg Zone	PCT		total area ha
LC-VZ-PCT171-Low	171	Spinifex linear dune mallee	6.56
LC-VZ-PCT170-Low	170	Chenopod sandplain mallee woodland/shrubland	13.60
LC-VZ-PCT154-Low	154	Pearl Bluebush low open shrubland	102.74
LC-VZ-PCT143-Low	143	Narrow-leaved Hopbush - Scrub Turpentine - Senna shrubland	16.81
			4019.31 ha



Data Disclaimer

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Paper Size ISO A3

0 1,000 2,000 3,000 4,000

Meters

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 54

N

GHD

Biosis Pty Ltd

Junction Rivers Desert Mouse Habitat Assessment

Vegetation with Painted Burrowing Frogs

Project No. **12662383**
Revision No. **A**
Date **23/06/2025**

FIGURE 1

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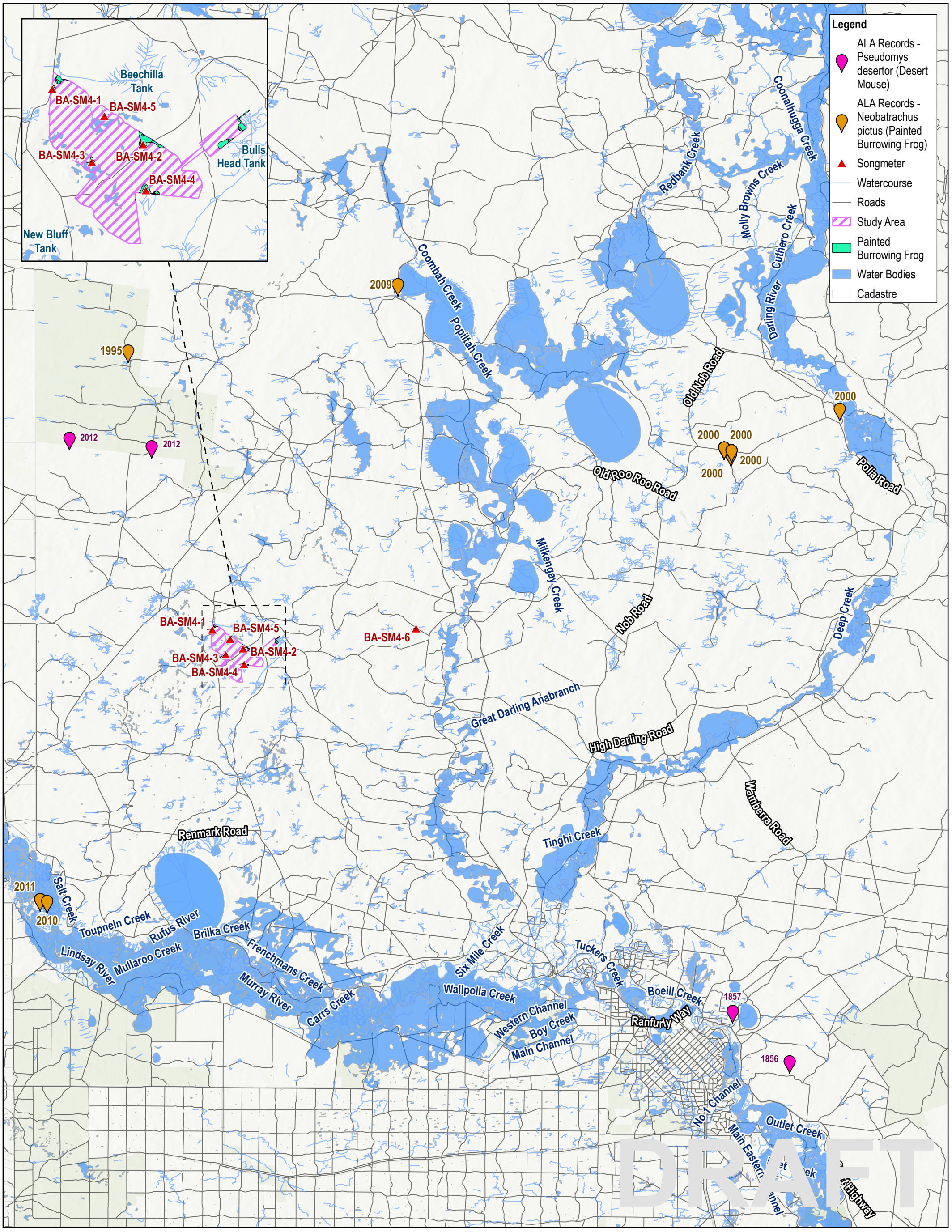
Data source: GHD: Vegetation Zones (2025). LSA: Road Watercourse (2021). ESRI:Earthstar Geographics, Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community (Date extracted: 23/062025) (Imagery date: 2024). Created by: aulayao

4. Assessment of species presence and habitat suitability

4.1 Species records and habitat assessments

The target species' for this assessment both have very few or no local records (within 10 km) across historical survey effort, however, there are records for both species from the Tarawi Reserve (Desert Mouse) and Scotia Sanctuary (Painted Burrowing Frog) that are 20 and 40 km respectively from the Study Area.

Previous survey effort including numerous surveys conducted across southwestern NSW by the author dating back to 2010, where pitfall and Elliot traps have been employed have not resulted in the detection of the Desert Mouse (unpublished surveys conducted for Tronox Plc and Western Local Land Services, including one survey of 11 large properties with over 3,100 pitfall trap nights). Although Mallee Cliffs National Park is some 200 km away from the study area, regular survey conducted at this location at least provides some indication of likelihood of occurrence of *P. desertor* in addition to recent surveys conducted since 2012 at Tarawi and also at Scotia Sanctuary, none of which have detected the species. Historical records from ALA and from BioNet across western New South Wales are displayed in Figure 2.



Data Disclaimer

© 2025. Whilst every care has been taken to prepare this map, GHD make no representations or warranties about its accuracy, reliability, completeness or suitability for any particular purpose and cannot accept liability and responsibility of any kind (whether in contract, tort or otherwise) for any expenses, losses, damages and/or costs (including indirect or consequential damage) which are or may be incurred by any party as a result of the map being inaccurate, incomplete or unsuitable in any way and for any reason.

Paper Size ISO A3

Meters

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 54

N

GHD

Biosis Pty Ltd
Junction Rivers Desert Mouse Habitat Assessment

Previous Records of Painted Burrowing Frogs

Project No. **12662383**
Revision No. **A**
Date **23/06/2025**

FIGURE 1

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Print date: 23 Jun 2025 - 15:44

Data source: GHD: Songmeter, Painted Burrowing Frogs (2025). LSA: Road Watercourse (2021). ESRI:Esri, TomTom, Garmin, FAO, METI/NASA, USGS, Esri, CGIAR, Esri, Geoscience Australia, NASA, NGA, USGS, Esri, TomTom, Garmin, METI/NASA, USGS (Date extracted: 23/062025) (Imagery date: 2024). Created by: aulayao

4.1.1 Painted Burrowing Frog (*Neobatrachus pictus*)

Suitable habitat for the Painted Burrowing Frog (*Neobatrachus pictus*) is primarily dependent on rainfall as opposed to vegetation type. This could lead to suitable habitat becoming present within the Study Area

The closest record to the Study Area is from 1995 with one individual from Scotia Sanctuary, ~40km away from the location. Until 2021 there had only been two locations within NSW with records of the Painted Burrowing Frog, Scotia Sanctuary and west of Pooncarie.

The Study Area appears to support primarily suboptimal (saline ephemeral wetlands) and some lower quality potential habitat for this species with no previous records within 10 km, although, as mentioned above, there is a record of Painted Burrowing Frog from Scotia Sanctuary, 40 km away from 1995.

4.1.2 Desert Mouse (*Pseudomys desertor*)

The closest records of the Desert Mouse are from 2012 within the Tarawi Nature Reserve ~20 km northwest of the study area. This record could be associated with the high rainfall within the two years prior which allowed the species to recolonize Tarawi Nature Reserve. Yearly rainfall statistics for the closest weather stations to Tarawi Nature Reserve is the Mildura Airport (station no. 076031) and Pooncarie Mail Agency (station no. 047029), a summary of these statistics can be seen in Table 2 ((BOM, 2024). The other record of Desert Mouse within NSW was in 2008 within Sturt National Park, approximately 650 km north, where a singular male was detected (OEH 2024).

Table 2 Annual Rainfall Data from Mildura and Pooncarie

Year	Annual Rainfall in Mildura (mm)	Annual Rainfall in Pooncarie (mm)
2008	202.0	227.4
2009	233.0	228.6
2010	591.2	567.1
2011	657.4	533.1
2012	214.6	N/A
2013	216.4	201.9

A very small and isolated patch of approximately 5.57 hectares of mallee woodland and spinifex dunes occurs within the Study Area. These habitats are the species preferred habitat however threats of predation and overgrazing likely limit the species ability to recolonise the area, even though they have been recorded only 20 km from the Study Area.

The infrequency of records within New South Wales in general and the heavily grazed status of the study indicate that under current conditions, it is unlikely that the Desert Mouse occurs within the Study Area.

4.2 Recent surveys in the region

4.2.1 Mallee Cliffs National Park

There has been extensive survey effort completed within the Mallee Cliffs National Park, approximately 200 km east of the Study Area, primarily completed by the Australian Wildlife Conservancy (AWC) from 2016 to present day. These surveys are done under the AWC-NSW Parks Partnership Projects. Across the AWC-NSW Parks Partnership Projects there have been 34,087 records of 171 species. Prior to this, records within the national park go back to 1965 producing an additional 12,419 records and 84 species.

Neither target species of the Painted Burrowing Frog or the Desert Mouse have been detected throughout the history of survey effort within Mallee Cliffs National Park despite extensive survey effort. Various survey methods were utilized including live trapping (box, cage, pitfall and funnel), camera traps, acoustic recorder deployment and spotlight transects across the standard monitoring sites. A summary of the threatened species that have been detected within the park is below (Table 3).

Status

EPBC Act - Commonwealth Environment Protection and Biodiversity Conservation Act 1999.
BC Act - Biodiversity Conservation Act 2016 or Fisheries Management Act 1994.

CE – Critically Endangered
EN – Endangered population
V – Vulnerable

Table 3 Threatened Species detected within Mallee Cliffs National Park

Scientific Name	Common Name	EPBC/BC Act Listing
Mammals		
Cercartetus concinnus	Western Pygmy Possum	- / EN
Chalinolobus picatus	Little Pied Bat	- / VU
Ningaui yvonneae	Southern Ningaui	- / VU
Nyctophilus corbeni	Corben's Long-eared Bat	VU / VU
Saccolaimus flaviventris	Yellow-bellied Sheathtail-bat	- / VU
Vespadelus baverstocki	Inland Forest Bat	- / VU
Aves		
Aphelocephala leucopsis	Southern Whiteface	VU / VU
Artamus cyanopterus cyanopterus	Dusky Woodswallow	- / VU
Certhionyx variegatus	Pied Honeyeater	- / VU
Cinclosoma castanotum	Chestnut Quail-thrush	- / VU
Circus assimilis	Spotted Harrier	- / VU
Climacteris picumnus victoriae	Brown Treecreeper (eastern subspecies)	- / VU
Daphoenositta chrysoptera	Varied Sittella	- / VU
Drymodes brunneopygia	Southern Scrub-robin	- / VU
Epthianura albifrons	White-fronted Chat	- / VU
Falco subniger	Black Falcon	- / VU
Haliaeetus leucogaster	White-bellied Sea-Eagle	- / VU
Hieraaetus morphnoides	Little Eagle	- / VU
Hylacola cautus	Shy Heathwren	- / VU
Leipoa ocellata	Malleefowl	VU / EN
Lichenostomus cratitius	Purple-gaped Honeyeater	- / VU
Lophochroa leadbeateri	Pink Cockatoo	- / VU
Melanodryas cucullata cucullata	South-eastern Hooded Robin	EN / EN
Melithreptus gularis gularis	Black-chinned Honeyeater (eastern subspecies)	- / VU
Pachycephala inornata	Gilbert's Whistler	- / VU
Petroica phoenicea	Flame Robin	- / VU
Polytelis anthopeplus monarchoides	Regent Parrot (eastern subspecies)	VU / EN
Reptilia		
Aprasia inaurita	Mallee Worm-lizard	- / EN
Cyclodomorphus melanops elongatus	Mallee Slender Blue-tongue Lizard	- / EN
Strophurus elderi	Jewelled Gecko	- / VU
Tiliqua occipitalis	Western Blue-tongued Lizard	- / VU

4.2.2 2025 GHD site visit

In May 2025, Alex Holmes (GHD Technical Director, Ecology) travelled to the Study Area to assess patches of habitat for the potential to provide habitat for the Painted Burrowing Frog (*Neobatrachus pictus*) and Desert Mouse (*Pseudomys desertor*). In particular, a polygon prepared by Biodiversity Australia was also reviewed on-site to assess whether the Painted Burrowing Frog has the potential to occur within the entirety of the mapped area.

A total of six songmeters have also been deployed by a Biodiversity Australia ecologist in potentially suitable habitat for Painted Burrowing Frog, and these were also visited by the GHD ecologist to assess the suitability of habitat for the frog.

Songmeter Site 1

Habitat was assessed in the vicinity of Songmeter 1, which was comprised of a depression which is known to hold water in large rainfall events (RZ Mining *pers. comm.*). The area is surrounded by Pearl Bluebush and Belah-Rosewood woodland. The habitat at this location appeared potentially suitable for Painted Burrowing Frog.



Plate 3 Habitat in the vicinity of Songmeter 1

Songmeter Site 2

Habitat was assessed in the vicinity of Songmeter 2, which was comprised of a small, constructed farm dam, which would be assumed to hold water following a large rainfall event. The area is surrounded by treeless bluebush shrubland. The habitat at this location appeared potentially suitable for Painted Burrowing Frog.



Plate 4 *Habitat in the vicinity of Songmeter 2*

Songmeter Site 3

Habitat was assessed in the vicinity of Songmeter 3, which was comprised of an open area thought to retain water following a large rainfall event. The area is surrounded by treeless bluebush shrubland. The habitat at this location has the potential to support the Painted Burrowing Frog, although it is isolated from other nearby potential habitat by saline ephemeral wetlands, therefore the likelihood of the species being present is low.



Plate 5 *Habitat in the vicinity of Songmeter 3*

Songmeter Site 4

Habitat was assessed in the vicinity of Songmeter 4, which was comprised of a large, open area assumed to retain water in a heavy rainfall event, although due to the size of the area, several large events would be required to fill this location. The area is surrounded by treeless bluebush shrubland. The habitat at this location appeared potentially suitable for Painted Burrowing Frog, although the apparent need for a sustained wet period indicates that it might only occasionally provide suitable habitat.



Plate 6 ***Habitat in the vicinity of Songmeter 4***

Songmeter Site 5

Habitat was assessed in the vicinity of Songmeter 5, which was comprised of a large saline ephemeral wetland assumed to hold water following a large rainfall event. The area is surrounded by treeless samphire shrubland. Due to the saline nature of the site, it is unlikely that the Painted Burrowing Frog occurs at this location.



Plate 7 ***Habitat in the vicinity of Songmeter 5***

Songmeter Site 6

Habitat was assessed in the vicinity of Songmeter 6, which was comprised of an open area which would be assumed to hold water following a large rainfall event. The area is surrounded by treeless bluebush shrubland and scattered Belah-Rosewood woodland. The habitat at this location appeared potentially suitable for Painted Burrowing Frog.



Plate 8 ***Habitat in the vicinity of Songmeter 6***

Potential Desert Mouse habitat

A very small and isolated patch of approximately 5.57 hectares of mallee woodland and spinifex dunes occurs within the Study Area and was assessed during the site visit. These habitats are the species preferred habitat, however, threats of predation and overgrazing likely limit the species ability to recolonise the area, even though they have been recorded only 20 km from the Study Area.

The infrequency of records within New South Wales in general and the heavily grazed status of the study indicate that under current conditions, it is unlikely that the Desert Mouse occurs at this location.



Plate 9 ***Spinifex mallee habitat within the study area***

Assessment of Painted Burrowing Frog habitat polygon

During the site visit, an assessment was made of the Painted Burrowing Frog potential habitat polygon made by Biodiversity Australia. On closer inspection, it was found that much of the habitat polygon was comprise of ephemeral saline wetlands and as such, unlikely to support habitat for the Painted Burrowing Frog. The Painted Burrowing Frog habitat polygon was adjusted on consultation between GHD's and Biodiversity Australia's ecologists with the result being a reduction in the overall extent of the polygon as indicated in Figure 1.

4.2.3 Likelihood of occurrence assessment

The likelihood of occurrence of both the Desert Mouse and Painted Burrowing Frog is summarised below:

Table 4 Likelihood of occurrence table for target species

Common Name Scientific Name	BC Status	EPBC Status	Habitat association	Likelihood of occurrence
Desert Mouse *Pseudomys desertor*	CE	-	Most records of the Desert Mouse come from sand dune or sand plain habitats dominated by Spinifex *(Triodia* spp.). Depends on a dense groundcover of grasses, sedges or shrubs; survives in small pockets of habitat and expands into other areas following rains and subsequent vegetation growth. Found to be most abundant in areas with the least historical grazing pressure and disturbance, including fire.	Low: Some potentially suitable habitat occurs in the Study Area, however the patch is very small and isolated and heavily grazed by feral goats.
Painted Burrowing Frog *Neobatrachus pictus*	E	-	Widespread in southeastern South Australia and western Victoria but found at only two locations in NSW, in Scotia Sanctuary, adjacent to the South Australian border and in an area to the west of Pooncarie. Inhabit open grassland, mallee, woodland, farmland and cleared areas and are usually found in or around flooded areas after periods of heavy rainfall, including grassy marshes, lagoons, flooded claypans, temporary roadside pools, ditches, mallee swales and farm dams.	Low: Generally low quality ephemeral saline depressions exist within the study area, although some small depressions that are known to hold fresh water indicate some potential for the species to occasionally occur. It is likely that the non-saline depressions present on-site would require sustained La Niña conditions to fill, possibly over several years.

5. Conclusion

Based upon the lack of historical records and generally low quality of habitat within the Study Area (much of the area occupied by saline ephemeral wetlands), there is a low likelihood that the Painted Burrowing Frog (*Neobatrachus pictus*) is present within the development footprint provided. This species requires temporary pools of water, such as claypans or floodplains, to breed and burrow into moist soil during dry periods (ALA 2024a). The Study Area is dominated by saline depressions and lacks extensive surface water features that could regularly support the Painted Burrowing Frog. As indicated in the report, small depressions that are known to hold fresh water indicate some potential for the species to occasionally occur. It is likely that these non-saline depressions present on-site would require sustained La Niña conditions to fill, possibly over several years.

Despite potentially suitable habitat being present for the Desert Mouse (*Pseudomys desertor*), the sparse records accompanied with high predation pressure, overgrazing and disturbed vegetation within the Study Area, it is unlikely the species is present. The Desert Mouse is a small nocturnal rodent that inhabits semi-arid and arid areas with spinifex or hummock grasslands (ALA 2024b). The development footprint contains some patches of spinifex, but they are highly degraded, very small in extent and isolated from other larger patches of the same habitat. The high survey effort within reserves such as Tarawi, Scotia Sanctuary and Mallee Cliffs through the partnership with the Australian Wildlife Conservancy and NSW National Parks would be expected to detect both species if present.

6. References

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A-9 Field Datasheets

Development Footprint – Mine Site

				Plot Num Project Specific	2020_43_b
				Plot Number ?	40
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	20.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.010
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	0.200
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	1.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	2020_43_b
				Plot Number ?	40
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	0.200
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	2020_43_b
				Plot Number ?	40
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	2020_43_b
				Plot Number ?	40
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	2020_43_b
				Plot Number ?	40
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	100.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	1.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	750.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	400.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	2020_43_b
				Plot Number ?	40
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	100.000
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	2020_43_b
				Plot Number ?	40
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	2020_43_b
				Plot Number ?	40
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	2022_11_b
				Plot Number ?	124
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	15.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	5.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	0.200
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	3.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	2022_11_b
				Plot Number ?	124
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	1.000
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	15.000
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	2022_11_b
				Plot Number ?	124
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	2022_11_b
				Plot Number ?	124
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	0.100
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	2022_11_b
				Plot Number ?	124
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	120.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	250.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	50.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	75.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	2022_11_b
				Plot Number ?	124
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	60.000
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	17.000
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	2022_11_b
				Plot Number ?	124
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	2022_11_b
				Plot Number ?	124
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	5.000
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	2022_12_b
				Plot Number ?	123
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	5.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	3.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	0.500
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	20.000
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	5.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	0.200
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	2022_12_b
				Plot Number ?	123
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	0.500
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	5.000
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	35.000
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	2022_12_b
				Plot Number ?	123
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	2022_12_b
				Plot Number ?	123
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	2022_12_b
				Plot Number ?	123
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	30.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	40.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	50.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	250.000
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	50.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	10.000
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	2022_12_b
				Plot Number ?	123
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	20.000
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	50.000
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	16.000
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	2022_12_b
				Plot Number ?	123
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	2022_12_b
				Plot Number ?	123
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	2022_17_b
				Plot Number ?	134
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	25.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	3.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	2022_17_b
				Plot Number ?	134
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	0.100
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	5.000
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	2022_17_b
				Plot Number ?	134
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	2022_17_b
				Plot Number ?	134
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			0.010
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	0.020
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	2022_17_b
				Plot Number ?	134
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	80.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	30.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	2022_17_b
				Plot Number ?	134
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	5.000
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	60.000
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	2022_17_b
				Plot Number ?	134
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	2022_17_b
				Plot Number ?	134
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			50.000
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	50.000
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	2022_19_b
				Plot Number ?	133
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	10.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.100
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	0.500
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	2022_19_b
				Plot Number ?	133
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	2.000
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	50.000
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	2022_19_b
				Plot Number ?	133
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	2022_19_b
				Plot Number ?	133
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	2022_19_b
				Plot Number ?	133
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	40.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	20.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	2022_19_b
				Plot Number ?	133
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	100.000
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	2000.000
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	2022_19_b
				Plot Number ?	133
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	2022_19_b
				Plot Number ?	133
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	2022_6_b
				Plot Number ?	110
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.500
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	0.500
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	0.200
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	2022_6_b
				Plot Number ?	110
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	0.050
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	1.000
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	5.000
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	0.050
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	2022_6_b
				Plot Number ?	110
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	2022_6_b
				Plot Number ?	110
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			0.050
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	20.000
Eucalyptus socialis	Red Mallee			Tree (TG)	5.000
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	0.020
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	2022_6_b
				Plot Number ?	110
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	100.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	2.000
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	10.000
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	2022_6_b
				Plot Number ?	110
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	10.000
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	20.000
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	75.000
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	75.000
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	2022_6_b
				Plot Number ?	110
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	2022_6_b
				Plot Number ?	110
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			250.000
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	50.000
Eucalyptus socialis	Red Mallee			Tree (TG)	1.000
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	50.000
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	2022_9_b
				Plot Number ?	125
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	5.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.500
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	10.000
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	0.100
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	2022_9_b
				Plot Number ?	125
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	2.000
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	0.500
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					0.200
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	20.000
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	1.000
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	2022_9_b
				Plot Number ?	125
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	0.100
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	2022_9_b
				Plot Number ?	125
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	15.000
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	2022_9_b
				Plot Number ?	125
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	30.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	75.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	50.000
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	5.000
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	2022_9_b
				Plot Number ?	125
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	75.000
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	25.000
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					20.000
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	7.000
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	50.000
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	2022_9_b
				Plot Number ?	125
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	10.000
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	2022_9_b
				Plot Number ?	125
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	1.000
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	23_O_14_b
				Plot Number ?	18
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	2.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.100
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	1.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	0.500
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			0.010
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	23_O_14_b
				Plot Number ?	18
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	0.500
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	0.200
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	23_O_14_b
				Plot Number ?	18
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	23_O_14_b
				Plot Number ?	18
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	5.000
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	0.010
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	23_O_14_b
				Plot Number ?	18
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	50.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	25.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	75.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	50.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			50.000
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	23_O_14_b
				Plot Number ?	18
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	5.000
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	50.000
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	23_O_14_b
				Plot Number ?	18
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	23_O_14_b
				Plot Number ?	18
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	2.000
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	5.000
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	23_O_15_b
				Plot Number ?	98
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	17.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	5.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	5.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	10.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	23_O_15_b
				Plot Number ?	98
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	3.000
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	3.000
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	10.000
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	23_O_15_b
				Plot Number ?	98
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	23_O_15_b
				Plot Number ?	98
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	20.000
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	23_O_15_b
				Plot Number ?	98
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	20.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	100.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	150.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	300.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	23_O_15_b
				Plot Number ?	98
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	2.000
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	20.000
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	40.000
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	23_O_15_b
				Plot Number ?	98
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	23_O_15_b
				Plot Number ?	98
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	1.000
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	24_3_b
				Plot Number ?	16
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	15.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	3.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	0.200
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	0.100
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	5.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	24_3_b
				Plot Number ?	16
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	0.200
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	20.000
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	24_3_b
				Plot Number ?	16
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	24_3_b
				Plot Number ?	16
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	24_3_b
				Plot Number ?	16
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	100.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	200.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	55.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	2.000
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	500.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	24_3_b
				Plot Number ?	16
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	25.000
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	5.000
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	24_3_b
				Plot Number ?	16
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	24_3_b
				Plot Number ?	16
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	24_4_b
				Plot Number ?	15
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	12.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	1.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	1.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	5.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	24_4_b
				Plot Number ?	15
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	5.000
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	5.000
Rhagodia gaudichaudiana					1.000
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	5.000
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	0.500
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	24_4_b
				Plot Number ?	15
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	24_4_b
				Plot Number ?	15
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	30.000
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	24_4_b
				Plot Number ?	15
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	50.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	50.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	75.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	300.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	24_4_b
				Plot Number ?	15
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	75.000
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	35.000
Rhagodia gaudichaudiana					20.000
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	200.000
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	15.000
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	24_4_b
				Plot Number ?	15
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	24_4_b
				Plot Number ?	15
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	3.000
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	24_5_b
				Plot Number ?	13
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	20.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	3.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	2.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	24_5_b
				Plot Number ?	13
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	0.500
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	24_5_b
				Plot Number ?	13
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	24_5_b
				Plot Number ?	13
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	15.000
Medicago sativa	Lucerne	YES			5.000
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	24_5_b
				Plot Number ?	13
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	55.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	120.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	100.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	24_5_b
				Plot Number ?	13
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	5.000
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	24_5_b
				Plot Number ?	13
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	24_5_b
				Plot Number ?	13
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	4.000
Medicago sativa	Lucerne	YES			500.000
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 10
				Plot Number ?	116
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.100
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	0.100
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	80.000
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	0.020
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 10
				Plot Number ?	116
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 10
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Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 10
				Plot Number ?	116
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 10
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Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	60.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	300.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	40.000
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 10
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Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 10
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Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 10
				Plot Number ?	116
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

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				Plot Number ?	45
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	2.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.100
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	1.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	0.010
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	15.000
Tetragonia moorei				Forb (FG)	0.010
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	0.010
Sclerolaena patenticuspis				Shrub (SG)	1.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			0.010
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 11
				Plot Number ?	45
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	0.010
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 11
				Plot Number ?	45
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 11
				Plot Number ?	45
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 11
				Plot Number ?	45
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	10.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	10.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	100.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	1.000
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	40.000
Tetragonia moorei				Forb (FG)	1.000
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	1.000
Sclerolaena patenticuspis				Shrub (SG)	50.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			15.000
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 11
				Plot Number ?	45
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	350.000
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 11
				Plot Number ?	45
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 11
				Plot Number ?	45
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 12
				Plot Number ?	118
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.010
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	10.000
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	0.010
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	25.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	0.010
Tribulus terrestris	Cat-head	YES			0.010
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 12
				Plot Number ?	118
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			0.010
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 12
				Plot Number ?	118
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 12
				Plot Number ?	118
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 12
				Plot Number ?	118
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	10.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	500.000
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	30.000
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	400.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	300.000
Tribulus terrestris	Cat-head	YES			1.000
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 12
				Plot Number ?	118
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			200.000
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 12
				Plot Number ?	118
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 12
				Plot Number ?	118
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 13
				Plot Number ?	58
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	1.500
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.500
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	1.500
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	0.500
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	1.000
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	0.100
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	0.001
Salvia verbenaca	Vervain	YES			0.001
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 13
				Plot Number ?	58
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 13
				Plot Number ?	58
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 13
				Plot Number ?	58
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 13
				Plot Number ?	58
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	8.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	26.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	300.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	7.000
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	4.000
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	5.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	1.000
Salvia verbenaca	Vervain	YES			25.000
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 13
				Plot Number ?	58
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 13
				Plot Number ?	58
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 13
				Plot Number ?	58
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 15
				Plot Number ?	47
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	25.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.050
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	0.010
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	1.000
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	0.010
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	0.010
Sclerolaena patenticuspis				Shrub (SG)	2.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			0.010
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 15
				Plot Number ?	47
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			0.010
Vittadinia cuneata				Forb (FG)	0.010
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			0.010
Carrichtera annua	Ward's Weed	YES	No		0.010
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 15
				Plot Number ?	47
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 15
				Plot Number ?	47
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 15
				Plot Number ?	47
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	40.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	28.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	120.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	20.000
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	20.000
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	5.000
Sclerolaena patenticuspis				Shrub (SG)	30.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			3.000
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 15
				Plot Number ?	47
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			2.000
Vittadinia cuneata				Forb (FG)	50.000
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			1.000
Carrichtera annua	Ward's Weed	YES	No		15.000
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 15
				Plot Number ?	47
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 15
				Plot Number ?	47
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 16
				Plot Number ?	130
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	20.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	5.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	0.100
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	0.500
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	30.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	0.010
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	0.500

				Plot Num Project Specific	BAMCo24 16
				Plot Number ?	130
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	0.100
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 16
				Plot Number ?	130
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 16
				Plot Number ?	130
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 16
				Plot Number ?	130
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	100.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	80.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	25.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	75.000
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	200.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	1.000
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	50.000

				Plot Num Project Specific	BAMCo24 16
				Plot Number ?	130
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	150.000
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 16
				Plot Number ?	130
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 16
				Plot Number ?	130
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCO24 19_b
				Plot Number ?	132
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	25.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.100
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	0.100
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	15.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 19_b
				Plot Number ?	132
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	0.300
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	15.000
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 19_b
				Plot Number ?	132
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 19_b
				Plot Number ?	132
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			2.000
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCO24 19_b
				Plot Number ?	132
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	100.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	25.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	50.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	200.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 19_b
				Plot Number ?	132
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	30.000
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	3.000
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 19_b
				Plot Number ?	132
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 19_b
				Plot Number ?	132
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			500.000
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 2
				Plot Number ?	57
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	2.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	1.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	2.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	1.000
Sida corrugata	Corrugated Sida			Forb (FG)	0.001
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	15.000
Tetragonia moorei				Forb (FG)	0.001
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	0.001
Sclerolaena patenticuspis				Shrub (SG)	1.000
Phyllanthus spp.				Shrub (SG)	0.001
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 2
				Plot Number ?	57
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 2
				Plot Number ?	57
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 2
				Plot Number ?	57
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 2
				Plot Number ?	57
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	7.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	30.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	200.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	10.000
Sida corrugata	Corrugated Sida			Forb (FG)	1.000
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	30.000
Tetragonia moorei				Forb (FG)	10.000
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	5.000
Sclerolaena patenticuspis				Shrub (SG)	20.000
Phyllanthus spp.				Shrub (SG)	1.000
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 2
				Plot Number ?	57
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 2
				Plot Number ?	57
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 2
				Plot Number ?	57
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 22
				Plot Number ?	73
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	30.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	0.100
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	0.012
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	1.000

				Plot Num Project Specific	BAMCo24 22
				Plot Number ?	73
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 22
				Plot Number ?	73
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	0.100
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 22
				Plot Number ?	73
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 22
				Plot Number ?	73
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	35.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	50.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	2.000

				Plot Num Project Specific	BAMCo24 22
				Plot Number ?	73
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 22
				Plot Number ?	73
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	10.000
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 22
				Plot Number ?	73
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 23
				Plot Number ?	59
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	25.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.001
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	15.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	0.010
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	5.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	0.010
Tribulus terrestris	Cat-head	YES			0.010
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	0.010
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	0.100
Rhagodia spp.				Shrub (SG)	0.200
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	0.050
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 23
				Plot Number ?	59
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 23
				Plot Number ?	59
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 23
				Plot Number ?	59
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 23
				Plot Number ?	59
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	30.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	2.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	250.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	3.000
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	132.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	150.000
Tribulus terrestris	Cat-head	YES			25.000
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	15.000
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	5.000
Rhagodia spp.				Shrub (SG)	5.000
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	2.000
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 23
				Plot Number ?	59
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 23
				Plot Number ?	59
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 23
				Plot Number ?	59
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 24
				Plot Number ?	48
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	35.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	5.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	1.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	0.010
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	15.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	0.010

				Plot Num Project Specific	BAMCo24 24
				Plot Number ?	48
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	0.100
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		0.010
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 24
				Plot Number ?	48
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 24
				Plot Number ?	48
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 24
				Plot Number ?	48
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	65.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	60.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	90.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	50.000
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	40.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	1.000

				Plot Num Project Specific	BAMCo24 24
				Plot Number ?	48
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	1.000
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		2.000
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 24
				Plot Number ?	48
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 24
				Plot Number ?	48
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 25
				Plot Number ?	94
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	0.500
Sida corrugata	Corrugated Sida			Forb (FG)	0.010
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	30.000
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	0.010
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 25
				Plot Number ?	94
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		0.010
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	45.000
Maireana appressa				Shrub (SG)	0.100
Osteocarpum acropterum	Water Weed			Shrub (SG)	5.000
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	3.000
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	0.010
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 25
				Plot Number ?	94
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 25
				Plot Number ?	94
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 25
				Plot Number ?	94
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	2.000
Sida corrugata	Corrugated Sida			Forb (FG)	6.000
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	480.000
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	30.000
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 25
				Plot Number ?	94
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		2.000
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	3700.000
Maireana appressa				Shrub (SG)	3.000
Osteocarpum acropterum	Water Weed			Shrub (SG)	60.000
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	50.000
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	1.000
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 25
				Plot Number ?	94
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 25
				Plot Number ?	94
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCO24 28_b
				Plot Number ?	14
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	15.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	0.010
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	12.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 28_b
				Plot Number ?	14
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	0.100
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	0.100
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 28_b
				Plot Number ?	14
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 28_b
				Plot Number ?	14
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			0.200
Atriplex quinii				Shrub (SG)	0.100
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCO24 28_b
				Plot Number ?	14
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	60.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	5.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	300.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 28_b
				Plot Number ?	14
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	5.000
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	5.000
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 28_b
				Plot Number ?	14
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 28_b
				Plot Number ?	14
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			500.000
Atriplex quinii				Shrub (SG)	5.000
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 3
				Plot Number ?	117
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	85.000
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	0.010
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	2.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 3
				Plot Number ?	117
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 3
				Plot Number ?	117
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 3
				Plot Number ?	117
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 3
				Plot Number ?	117
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	3.000
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	60.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 3
				Plot Number ?	117
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 3
				Plot Number ?	117
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 3
				Plot Number ?	117
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 30
				Plot Number ?	26
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	2.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	1.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			0.001
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	2
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 30
				Plot Number ?	26
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	0.100
Osteocarpum acropterum	Water Weed			Shrub (SG)	0.100
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 30
				Plot Number ?	26
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	0.001
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	50.000
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 30
				Plot Number ?	26
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 30
				Plot Number ?	26
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	35.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	18.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			2.000
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	32.000
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 30
				Plot Number ?	26
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	1.000
Osteocarpum acropterum	Water Weed			Shrub (SG)	10.000
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 30
				Plot Number ?	26
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	1.000
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	50.000
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 30
				Plot Number ?	26
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 33
				Plot Number ?	60
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	20.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	3.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	2.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	0.020
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	0.010
Tetragonia moorei				Forb (FG)	0.010
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	2.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			0.010
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 33
				Plot Number ?	60
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	0.020
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		0.010
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	0.500
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	0.010
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	0.010
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	0.010

				Plot Num Project Specific	BAMCo24 33
				Plot Number ?	60
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 33
				Plot Number ?	60
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 33
				Plot Number ?	60
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	60.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	80.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	120.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	50.000
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	1.000
Tetragonia moorei				Forb (FG)	20.000
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	100.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			5.000
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 33
				Plot Number ?	60
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	100.000
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		5.000
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	15.000
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	5.000
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	1.000
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	1.000

				Plot Num Project Specific	BAMCo24 33
				Plot Number ?	60
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 33
				Plot Number ?	60
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 34
				Plot Number ?	74
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	5.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.010
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	5.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	3.000
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	10.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			0.010
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 34
				Plot Number ?	74
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	0.001
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 34
				Plot Number ?	74
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 34
				Plot Number ?	74
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 34
				Plot Number ?	74
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	20.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	5.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	200.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	10.000
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	100.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			5.000
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 34
				Plot Number ?	74
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	10.000
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 34
				Plot Number ?	74
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 34
				Plot Number ?	74
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 35
				Plot Number ?	126
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	2.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	40.000
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	0.010
Sclerolaena patenticuspis				Shrub (SG)	5.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 35
				Plot Number ?	126
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	1.000
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			0.010
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	0.010
Conyza spp.		YES			0.010
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 35
				Plot Number ?	126
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 35
				Plot Number ?	126
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 35
				Plot Number ?	126
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	30.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	150.000
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	1.000
Sclerolaena patenticuspis				Shrub (SG)	80.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 35
				Plot Number ?	126
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	300.000
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			1.000
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	8.000
Conyza spp.		YES			1.000
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 35
				Plot Number ?	126
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 35
				Plot Number ?	126
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCO24 35_b
				Plot Number ?	129
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.100
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	0.100
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	25.000
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	1.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 35_b
				Plot Number ?	129
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	0.200
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	10.000
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	0.100
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 35_b
				Plot Number ?	129
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 35_b
				Plot Number ?	129
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCO24 35_b
				Plot Number ?	129
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	20.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	100.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	120.000
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	100.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 35_b
				Plot Number ?	129
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	10.000
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	2.000
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	20.000
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 35_b
				Plot Number ?	129
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 35_b
				Plot Number ?	129
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 36
				Plot Number ?	122
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	3.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.100
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	1.000
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 36
				Plot Number ?	122
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	1.000
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 36
				Plot Number ?	122
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	15.000
Frankenia spp.				Forb (FG)	0.010
Thysanotus spp.				Forb (FG)	0.001
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 36
				Plot Number ?	122
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 36
				Plot Number ?	122
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	4.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	5.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	15.000
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 36
				Plot Number ?	122
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	30.000
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 36
				Plot Number ?	122
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	300.000
Frankenia spp.				Forb (FG)	2.000
Thysanotus spp.				Forb (FG)	1.000
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 36
				Plot Number ?	122
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 38
				Plot Number ?	120
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	25.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.010
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	1.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	0.800
Tetragonia moorei				Forb (FG)	0.001
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	1.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	0.001
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	0.001
Tribulus terrestris	Cat-head	YES			0.001
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 38
				Plot Number ?	120
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	0.100
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	0.001
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	0.200
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	0.020
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 38
				Plot Number ?	120
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 38
				Plot Number ?	120
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 38
				Plot Number ?	120
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	75.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	15.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	100.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	8.000
Tetragonia moorei				Forb (FG)	7.000
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	120.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	2.000
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	25.000
Tribulus terrestris	Cat-head	YES			25.000
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 38
				Plot Number ?	120
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	10.000
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	50.000
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	40.000
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	3.000
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 38
				Plot Number ?	120
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 38
				Plot Number ?	120
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 39
				Plot Number ?	75
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	15.000
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	0.100
Atriplex spp.				Shrub (SG)	0.100
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 39
				Plot Number ?	75
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	40.000
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 39
				Plot Number ?	75
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	2.000
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	20.000
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 39
				Plot Number ?	75
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 39
				Plot Number ?	75
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	40.000
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	10.000
Atriplex spp.				Shrub (SG)	20.000
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 39
				Plot Number ?	75
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	75.000
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 39
				Plot Number ?	75
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	150.000
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	70.000
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 39
				Plot Number ?	75
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 4
				Plot Number ?	46
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	40.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.010
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	0.100
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	0.010
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	0.010
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	0.500
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	0.010
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			0.010
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 4
				Plot Number ?	46
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 4
				Plot Number ?	46
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 4
				Plot Number ?	46
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 4
				Plot Number ?	46
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	64.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	6.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	1.000
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	400.000
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	100.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	1.000
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			6.000
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 4
				Plot Number ?	46
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 4
				Plot Number ?	46
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 4
				Plot Number ?	46
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 42
				Plot Number ?	49
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	1.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	2.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	5.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	15.000
Tetragonia moorei				Forb (FG)	0.010
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	5.000
Sclerolaena patenticuspis				Shrub (SG)	1.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	0.010
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	0.010
Tribulus terrestris	Cat-head	YES			50.000
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 42
				Plot Number ?	49
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	0.100
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	50.000
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	0.010
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 42
				Plot Number ?	49
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 42
				Plot Number ?	49
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 42
				Plot Number ?	49
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	2.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	70.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	50.000
Tetragonia moorei				Forb (FG)	4.000
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	16.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	6.000
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	45.000
Tribulus terrestris	Cat-head	YES			0.020
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 42
				Plot Number ?	49
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	500.000
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	0.020
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	45.000
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 42
				Plot Number ?	49
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 42
				Plot Number ?	49
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 45
				Plot Number ?	23
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.200
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	0.010
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	25.000
Eragrostis spp.				Grass & grasslike (GG)	0.010
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	1.000
Frankenia serpyllifolia				Forb (FG)	0.050
Atriplex holocarpa	Pop Saltbush			Forb (FG)	1.000
Atriplex spp.				Shrub (SG)	0.500
Tecticornia halocnemoides				Shrub (SG)	10.000
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 45
				Plot Number ?	23
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 45
				Plot Number ?	23
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 45
				Plot Number ?	23
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 45
				Plot Number ?	23
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	21.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	10.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	128.000
Eragrostis spp.				Grass & grasslike (GG)	25.000
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	23.000
Frankenia serpyllifolia				Forb (FG)	20.000
Atriplex holocarpa	Pop Saltbush			Forb (FG)	250.000
Atriplex spp.				Shrub (SG)	15.000
Tecticornia halocnemoides				Shrub (SG)	35.000
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 45
				Plot Number ?	23
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 45
				Plot Number ?	23
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 45
				Plot Number ?	23
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 46
				Plot Number ?	61
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	27.500
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	1.500
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	3.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	0.500
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	6.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			0.003
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 46
				Plot Number ?	61
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	0.300
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	0.002
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					0.001
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	4.000
Thysanotus baueri	Fringe-lily			Forb (FG)	0.001
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 46
				Plot Number ?	61
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			0.010
Tagetes minuta	Stinking Roger	YES			0.001
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 46
				Plot Number ?	61
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 46
				Plot Number ?	61
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	100.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	65.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	800.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	150.000
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	150.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			150.000
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 46
				Plot Number ?	61
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	400.000
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	60.000
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					1.000
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	120.000
Thysanotus baueri	Fringe-lily			Forb (FG)	1.000
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 46
				Plot Number ?	61
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			5.000
Tagetes minuta	Stinking Roger	YES			25.000
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 46
				Plot Number ?	61
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 47
				Plot Number ?	86
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	0.100
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	0.020
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 47
				Plot Number ?	86
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	1.000
Maireana appressa				Shrub (SG)	0.001
Osteocarpum acropterum	Water Weed			Shrub (SG)	2.000
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	35.000
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	1.000
Thysanotus baueri	Fringe-lily			Forb (FG)	0.010
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	0.001

				Plot Num Project Specific	BAMCo24 47
				Plot Number ?	86
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	2.000
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 47
				Plot Number ?	86
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 47
				Plot Number ?	86
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	200.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	5.000
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 47
				Plot Number ?	86
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	25.000
Maireana appressa				Shrub (SG)	1.000
Osteocarpum acropterum	Water Weed			Shrub (SG)	250.000
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	1000.000
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	65.000
Thysanotus baueri	Fringe-lily			Forb (FG)	5.000
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	5.000

				Plot Num Project Specific	BAMCo24 47
				Plot Number ?	86
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	50.000
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 47
				Plot Number ?	86
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 48
				Plot Number ?	91
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	5.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.100
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	0.100
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	0.010
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 48
				Plot Number ?	91
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	0.001
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	10.000
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	10.000
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	0.010
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 48
				Plot Number ?	91
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 48
				Plot Number ?	91
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 48
				Plot Number ?	91
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	20.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	2.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	80.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	5.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 48
				Plot Number ?	91
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	100.000
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	25.000
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	40.000
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	1.000
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 48
				Plot Number ?	91
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 48
				Plot Number ?	91
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 49
				Plot Number ?	27
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	0.100
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	10.000
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 49
				Plot Number ?	27
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	0.010
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 49
				Plot Number ?	27
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	1.000
Calandrinia spp.				Forb (FG)	0.500
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 49
				Plot Number ?	27
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 49
				Plot Number ?	27
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	90.000
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	80.000
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 49
				Plot Number ?	27
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	4.000
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 49
				Plot Number ?	27
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	5.000
Calandrinia spp.				Forb (FG)	40.000
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 49
				Plot Number ?	27
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCO24 51_b
				Plot Number ?	28
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	0.010
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 51_b
				Plot Number ?	28
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	15.000
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	0.100
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 51_b
				Plot Number ?	28
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 51_b
				Plot Number ?	28
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					10.000
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCO24 51_b
				Plot Number ?	28
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	5.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 51_b
				Plot Number ?	28
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	250.000
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	15.000
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 51_b
				Plot Number ?	28
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 51_b
				Plot Number ?	28
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					130.000
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 53
				Plot Number ?	25
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	0.100
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	15.000
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	0.500
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 53
				Plot Number ?	25
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	20.000
Maireana appressa				Shrub (SG)	0.500
Osteocarpum acropterum	Water Weed			Shrub (SG)	5.000
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	15.000
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 53
				Plot Number ?	25
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 53
				Plot Number ?	25
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 53
				Plot Number ?	25
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	8.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	120.000
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	5.000
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 53
				Plot Number ?	25
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	1600.000
Maireana appressa				Shrub (SG)	7.000
Osteocarpum acropterum	Water Weed			Shrub (SG)	220.000
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	232.000
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 53
				Plot Number ?	25
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 53
				Plot Number ?	25
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 54
				Plot Number ?	24
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	0.001
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	20.000
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 54
				Plot Number ?	24
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	0.001
Osteocarpum acropterum	Water Weed			Shrub (SG)	10.000
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	5.000
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	0.500
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	2.500
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 54
				Plot Number ?	24
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					40.000
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 54
				Plot Number ?	24
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 54
				Plot Number ?	24
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	20.000
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	90.000
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 54
				Plot Number ?	24
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	5.000
Osteocarpum acropterum	Water Weed			Shrub (SG)	1600.000
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	125.000
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	10.000
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	100.000
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 54
				Plot Number ?	24
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					4500.000
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 54
				Plot Number ?	24
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 55
				Plot Number ?	89
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	10.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	0.001
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	0.800
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	0.003
Tribulus terrestris	Cat-head	YES			0.020
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 55
				Plot Number ?	89
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	0.001
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 55
				Plot Number ?	89
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	1.000
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	15.000
Malva parviflora	Small-flowered Mallow	YES			0.001
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 55
				Plot Number ?	89
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 55
				Plot Number ?	89
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	40.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	3.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	20.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	450.000
Tribulus terrestris	Cat-head	YES			100.000
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 55
				Plot Number ?	89
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	1.000
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 55
				Plot Number ?	89
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	8.000
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	84.000
Malva parviflora	Small-flowered Mallow	YES			12.000
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 55
				Plot Number ?	89
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 56
				Plot Number ?	63
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	4.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.005
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	0.500
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	2.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	0.020
Tribulus terrestris	Cat-head	YES			0.010
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 56
				Plot Number ?	63
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	10.000
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	0.001
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	0.010
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 56
				Plot Number ?	63
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 56
				Plot Number ?	63
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 56
				Plot Number ?	63
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	35.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	10.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	250.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	110.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	1500.000
Tribulus terrestris	Cat-head	YES			20.000
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 56
				Plot Number ?	63
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	140.000
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	70.000
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	2.000
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 56
				Plot Number ?	63
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 56
				Plot Number ?	63
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 58
				Plot Number ?	92
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 58
				Plot Number ?	92
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	70.000
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 58
				Plot Number ?	92
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	0.010
Austrostipa spp.				Grass & grasslike (GG)	0.010
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	0.001
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 58
				Plot Number ?	92
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 58
				Plot Number ?	92
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 58
				Plot Number ?	92
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	250.000
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 58
				Plot Number ?	92
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	70.000
Austrostipa spp.				Grass & grasslike (GG)	40.000
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	15.000
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 58
				Plot Number ?	92
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCO24 59_b
				Plot Number ?	17
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	1.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	0.100
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	0.100
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 59_b
				Plot Number ?	17
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	0.010
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	0.500
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	0.200
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	30.000
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	0.500
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	1.000
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 59_b
				Plot Number ?	17
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	0.500
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 59_b
				Plot Number ?	17
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	0.010
Apophyllum anomalum	Warrior Bush			Shrub (SG)	3.000
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCO24 59_b
				Plot Number ?	17
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	25.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	15.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	50.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 59_b
				Plot Number ?	17
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	5.000
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	50.000
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	30.000
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	9.000
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	50.000
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	25.000
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 59_b
				Plot Number ?	17
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	25.000
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 59_b
				Plot Number ?	17
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	2.000
Apophyllum anomalum	Warrior Bush			Shrub (SG)	5.000
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 6
				Plot Number ?	56
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	20.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.500
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	0.020
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	0.010
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	5.000
Sida corrugata	Corrugated Sida			Forb (FG)	0.010
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 6
				Plot Number ?	56
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 6
				Plot Number ?	56
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 6
				Plot Number ?	56
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 6
				Plot Number ?	56
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	50.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	20.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	50.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	50.000
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	20.000
Sida corrugata	Corrugated Sida			Forb (FG)	5.000
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 6
				Plot Number ?	56
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 6
				Plot Number ?	56
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 6
				Plot Number ?	56
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 62
				Plot Number ?	36
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	20.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.300
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	10.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	0.200
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	0.001
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	0.001
Sclerolaena patenticuspis				Shrub (SG)	0.100
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	300.000
Tribulus terrestris	Cat-head	YES			0.001
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 62
				Plot Number ?	36
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	0.001
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 62
				Plot Number ?	36
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 62
				Plot Number ?	36
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 62
				Plot Number ?	36
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	45.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	50.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	500.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	5.000
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	1.000
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	12.000
Sclerolaena patenticuspis				Shrub (SG)	20.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	0.005
Tribulus terrestris	Cat-head	YES			20.000
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 62
				Plot Number ?	36
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	5.000
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 62
				Plot Number ?	36
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 62
				Plot Number ?	36
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCO24 63_b
				Plot Number ?	41
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	15.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.500
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	0.500
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	0.200
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 63_b
				Plot Number ?	41
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	0.500
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	3.000
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	0.200
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 63_b
				Plot Number ?	41
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 63_b
				Plot Number ?	41
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	0.100

				Plot Num Project Specific	BAMCO24 63_b
				Plot Number ?	41
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	85.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	50.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	250.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	5.000
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 63_b
				Plot Number ?	41
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	25.000
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	250.000
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	10.000
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 63_b
				Plot Number ?	41
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 63_b
				Plot Number ?	41
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	5.000

				Plot Num Project Specific	BAMCo24 65
				Plot Number ?	35
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	30.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.200
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	2.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	38.000
Sida corrugata	Corrugated Sida			Forb (FG)	0.500
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	0.010
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	0.010
Sclerolaena patenticuspis				Shrub (SG)	5.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	0.020
Tribulus terrestris	Cat-head	YES			0.010
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 65
				Plot Number ?	35
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	0.800
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	0.010
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		0.010
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	0.100
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	0.500
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 65
				Plot Number ?	35
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 65
				Plot Number ?	35
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 65
				Plot Number ?	35
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	70.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	5.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	160.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	2.000
Sida corrugata	Corrugated Sida			Forb (FG)	10.000
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	6.000
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	2.000
Sclerolaena patenticuspis				Shrub (SG)	150.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	30.000
Tribulus terrestris	Cat-head	YES			15.000
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 65
				Plot Number ?	35
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	4.000
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	4.000
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		15.000
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	300.000
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	5.000
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 65
				Plot Number ?	35
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 65
				Plot Number ?	35
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 7
				Plot Number ?	42
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	2.500
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	1.500
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	5.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	0.010
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	30.000
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			0.010
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 7
				Plot Number ?	42
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	0.100
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 7
				Plot Number ?	42
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 7
				Plot Number ?	42
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 7
				Plot Number ?	42
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	40.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	200.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	420.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	1.000
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	70.000
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			5.000
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 7
				Plot Number ?	42
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	15.000
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 7
				Plot Number ?	42
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 7
				Plot Number ?	42
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 72
				Plot Number ?	131
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	40.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.010
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	2.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	0.010
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			0.001
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 72
				Plot Number ?	131
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	1.000
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 72
				Plot Number ?	131
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	0.100
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	0.010
Tetragonia tetragonoides	New Zealand Spinach				0.001
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 72
				Plot Number ?	131
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 72
				Plot Number ?	131
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	50.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	11.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	50.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	3.000
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			13.000
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 72
				Plot Number ?	131
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	60.000
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 72
				Plot Number ?	131
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	500.000
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	18.000
Tetragonia tetragonoides	New Zealand Spinach				1.000
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 72
				Plot Number ?	131
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 73
				Plot Number ?	87
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	0.010
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 73
				Plot Number ?	87
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	0.010
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	1.000
Osteocarpum acropterum	Water Weed			Shrub (SG)	6.000
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	15.000
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	2.500
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	0.010
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	0.800

				Plot Num Project Specific	BAMCo24 73
				Plot Number ?	87
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	1.500
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	2.000
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 73
				Plot Number ?	87
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 73
				Plot Number ?	87
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	1.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 73
				Plot Number ?	87
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	4.000
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	10.000
Osteocarpum acropterum	Water Weed			Shrub (SG)	640.000
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	120.000
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	350.000
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	5.000
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	50.000

				Plot Num Project Specific	BAMCo24 73
				Plot Number ?	87
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	30.000
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	120.000
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 73
				Plot Number ?	87
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 74
				Plot Number ?	90
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	20.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.050
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	5.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	0.010
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	0.010
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	0.500
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	0.010
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 74
				Plot Number ?	90
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	0.050
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	25.000
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					0.800
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	5.000
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 74
				Plot Number ?	90
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 74
				Plot Number ?	90
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 74
				Plot Number ?	90
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	50.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	6.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	500.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	20.000
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	3.000
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	6.000
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	50.000
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 74
				Plot Number ?	90
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	180.000
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	300.000
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					60.000
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	500.000
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 74
				Plot Number ?	90
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 74
				Plot Number ?	90
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCO24 75_b
				Plot Number ?	135
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	15.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.500
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	0.500
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	5.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 75_b
				Plot Number ?	135
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	0.010
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	0.020
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 75_b
				Plot Number ?	135
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 75_b
				Plot Number ?	135
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCO24 75_b
				Plot Number ?	135
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	100.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	50.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	250.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	500.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 75_b
				Plot Number ?	135
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	5.000
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	2.000
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 75_b
				Plot Number ?	135
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 75_b
				Plot Number ?	135
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 76
				Plot Number ?	38
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	20.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	1.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			0.001
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			0.001
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 76
				Plot Number ?	38
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	0.010
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 76
				Plot Number ?	38
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	0.010
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	0.010
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	0.001
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 76
				Plot Number ?	38
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 76
				Plot Number ?	38
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	40.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	20.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			1.000
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			6.000
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 76
				Plot Number ?	38
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	41.000
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 76
				Plot Number ?	38
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	5.000
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	300.000
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	3.000
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 76
				Plot Number ?	38
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCO24 77_b
				Plot Number ?	39
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	15.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	5.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	5.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 77_b
				Plot Number ?	39
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	0.010
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 77_b
				Plot Number ?	39
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 77_b
				Plot Number ?	39
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCO24 77_b
				Plot Number ?	39
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	30.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	400.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	120.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 77_b
				Plot Number ?	39
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	1.000
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 77_b
				Plot Number ?	39
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 77_b
				Plot Number ?	39
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 78
				Plot Number ?	37
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	0.500
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 78
				Plot Number ?	37
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	40.000
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 78
				Plot Number ?	37
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	0.010
Tetragonia spp.				Forb (FG)	0.001
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 78
				Plot Number ?	37
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 78
				Plot Number ?	37
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	30.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 78
				Plot Number ?	37
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	200.000
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 78
				Plot Number ?	37
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	10.000
Tetragonia spp.				Forb (FG)	2.000
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 78
				Plot Number ?	37
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 79
				Plot Number ?	88
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	15.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	2.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 79
				Plot Number ?	88
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	0.010
Osteocarpum acropterum	Water Weed			Shrub (SG)	1.500
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	15.000
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	0.010
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					1.000
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	1.000
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	1.000
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 79
				Plot Number ?	88
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	0.500
Vittadinia cervicularis				Forb (FG)	0.010
Maireana pentatropis				Shrub (SG)	0.010
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 79
				Plot Number ?	88
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 79
				Plot Number ?	88
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	43.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	450.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 79
				Plot Number ?	88
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	1.000
Osteocarpum acropterum	Water Weed			Shrub (SG)	50.000
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	200.000
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	1.000
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					60.000
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	36.000
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	3.000
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 79
				Plot Number ?	88
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	20.000
Vittadinia cervicularis				Forb (FG)	42.000
Maireana pentatropis				Shrub (SG)	6.000
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 79
				Plot Number ?	88
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 8
				Plot Number ?	43
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	25.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.010
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	1.500
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	2.000
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	0.010
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	0.020
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 8
				Plot Number ?	43
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			0.010
Vittadinia cuneata				Forb (FG)	0.010
Eremophila sturtii	Turpentine Bush			Shrub (SG)	4.000
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 8
				Plot Number ?	43
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 8
				Plot Number ?	43
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 8
				Plot Number ?	43
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	200.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	10.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	600.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	410.000
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	50.000
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	1.000
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 8
				Plot Number ?	43
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			10.000
Vittadinia cuneata				Forb (FG)	20.000
Eremophila sturtii	Turpentine Bush			Shrub (SG)	1.000
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 8
				Plot Number ?	43
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 8
				Plot Number ?	43
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 81
				Plot Number ?	62
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	0.100
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.100
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	0.300
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	20.000
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	0.500
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			0.010
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 81
				Plot Number ?	62
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	0.050
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	0.010
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	0.400
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 81
				Plot Number ?	62
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 81
				Plot Number ?	62
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 81
				Plot Number ?	62
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	3.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	15.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	500.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	50.000
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	44.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			3.000
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 81
				Plot Number ?	62
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	600.000
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	15.000
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	92.000
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 81
				Plot Number ?	62
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 81
				Plot Number ?	62
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 82
				Plot Number ?	121
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	0.100
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.100
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	0.010
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	20.000
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	0.500
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 82
				Plot Number ?	121
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	0.100
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	0.010
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	30.000
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	0.200
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 82
				Plot Number ?	121
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 82
				Plot Number ?	121
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 82
				Plot Number ?	121
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	3.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	28.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	10.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	52.000
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	20.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 82
				Plot Number ?	121
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	6.000
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	1.000
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	8.000
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	10.000
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 82
				Plot Number ?	121
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 82
				Plot Number ?	121
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCO24 88_b
				Plot Number ?	29
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	15.000
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	0.100
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 88_b
				Plot Number ?	29
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	15.000
Maireana appressa				Shrub (SG)	10.000
Osteocarpum acropterum	Water Weed			Shrub (SG)	0.500
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	25.000
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 88_b
				Plot Number ?	29
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 88_b
				Plot Number ?	29
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					10.000
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCO24 88_b
				Plot Number ?	29
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	200.000
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	15.000
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 88_b
				Plot Number ?	29
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	500.000
Maireana appressa				Shrub (SG)	175.000
Osteocarpum acropterum	Water Weed			Shrub (SG)	25.000
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	300.000
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 88_b
				Plot Number ?	29
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 88_b
				Plot Number ?	29
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					100.000
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 9
				Plot Number ?	44
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	0.080
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.100
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	0.100
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	60.000
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	1.000
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 9
				Plot Number ?	44
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			0.010
Oxalis spp.				Forb (FG)	0.010
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 9
				Plot Number ?	44
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 9
				Plot Number ?	44
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 9
				Plot Number ?	44
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	9.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	60.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	400.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	300.000
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 9
				Plot Number ?	44
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			10.000
Oxalis spp.				Forb (FG)	5.000
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 9
				Plot Number ?	44
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 9
				Plot Number ?	44
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCO24 91_b
				Plot Number ?	95
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	0.100
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.500
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 91_b
				Plot Number ?	95
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	15.000
Maireana appressa				Shrub (SG)	10.000
Osteocarpum acropterum	Water Weed			Shrub (SG)	1.000
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	30.000
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 91_b
				Plot Number ?	95

Scientific Name	Common Name	Exotic	High Threat Weed (Manageable Yes/No)	BAM Growth Form Group	Cover
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 91_b
				Plot Number ?	95
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCO24 91_b
				Plot Number ?	95
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	5.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	50.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 91_b
				Plot Number ?	95
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	300.000
Maireana appressa				Shrub (SG)	150.000
Osteocarpum acropterum	Water Weed			Shrub (SG)	250.000
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	400.000
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 91_b
				Plot Number ?	95
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 91_b
				Plot Number ?	95
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 94.2
				Plot Number ?	128
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	0.500
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.100
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	0.500
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	20.000
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	0.200
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	0.100
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	1.000

				Plot Num Project Specific	BAMCo24 94.2
				Plot Number ?	128
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	0.200
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	20.000
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	0.100
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 94.2
				Plot Number ?	128
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	3.000
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	0.100
Olearia pimeleoides var. pimeleoides					2.000
Lycium australe	Australian Boxthorn			Shrub (SG)	0.100
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	0.200

				Plot Num Project Specific	BAMCo24 94.2
				Plot Number ?	128
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	0.100
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				0.100
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 94.2
				Plot Number ?	128
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	4.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	8.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	10.000
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	70.000
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	10.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	3.000
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	4.000

				Plot Num Project Specific	BAMCo24 94.2
				Plot Number ?	128
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	1.000
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	50.000
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	3.000
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 94.2
				Plot Number ?	128
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	1.000
Olearia pimeleoides var. pimeleoides					20.000
Lycium australe	Australian Boxthorn			Shrub (SG)	4.000
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	10.000

				Plot Num Project Specific	BAMCo24 94.2
				Plot Number ?	128
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	1.000
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				6.000
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCO24 95_b
				Plot Number ?	109
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	3.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	5.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	0.500
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	0.500
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	0.500
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 95_b
				Plot Number ?	109
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	0.200
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	0.100
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	3.000
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	2.000
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 95_b
				Plot Number ?	109
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 95_b
				Plot Number ?	109
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	2.000
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	10.000
Eucalyptus socialis	Red Mallee			Tree (TG)	10.000
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCO24 95_b
				Plot Number ?	109
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	10.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	50.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	100.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	75.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	10.000
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 95_b
				Plot Number ?	109
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	50.000
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	25.000
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	15.000
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	25.000
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 95_b
				Plot Number ?	109
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCO24 95_b
				Plot Number ?	109
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	1.000
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	30.000
Eucalyptus socialis	Red Mallee			Tree (TG)	1.000
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 96
				Plot Number ?	119
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.020
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	0.010
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	30.000
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	0.050
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	0.020
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	8.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	0.010
Tribulus terrestris	Cat-head	YES			0.010
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 96
				Plot Number ?	119
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	0.020
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 96
				Plot Number ?	119
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 96
				Plot Number ?	119
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 96
				Plot Number ?	119
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	2.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	5.000
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	400.000
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	45.000
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	10.000
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	80.000
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	80.000
Tribulus terrestris	Cat-head	YES			20.000
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 96
				Plot Number ?	119
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	100.000
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 96
				Plot Number ?	119
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 96
				Plot Number ?	119
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 97
				Plot Number ?	137
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Maireana pyramidata	Black Bluebush			Shrub (SG)	2.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	0.100
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	30.000
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 97
				Plot Number ?	137
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	20.000
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	1.000
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 97
				Plot Number ?	137
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 97
				Plot Number ?	137
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	1.000
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

				Plot Num Project Specific	BAMCo24 97
				Plot Number ?	137
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Maireana pyramidata	Black Bluebush			Shrub (SG)	5.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)	
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	
Sida corrugata	Corrugated Sida			Forb (FG)	
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	
Tetragonia moorei				Forb (FG)	
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	
Sclerolaena patenticuspis				Shrub (SG)	
Phyllanthus spp.				Shrub (SG)	
Convolvulus remotus				Other (OG)	
Salvia verbenaca	Vervain	YES			
Tecticornia pergranulata				Shrub (SG)	
Eragrostis spp.				Grass & grasslike (GG)	
Maireana spp.	Cotton Bush, Bluebush, Fissure-w			Shrub (SG)	1.000
Frankenia serpyllifolia				Forb (FG)	
Atriplex holocarpa	Pop Saltbush			Forb (FG)	
Atriplex spp.				Shrub (SG)	130.000
Tecticornia halocnemoides				Shrub (SG)	
Boerhavia dominii	Tarvine			Forb (FG)	
Tribulus terrestris	Cat-head	YES			
Enneapogon spp.	Nineawn Grass, Bottlewashers			Grass & grasslike (GG)	
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	
Rhagodia spp.				Shrub (SG)	
Rhagodia spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 97
				Plot Number ?	137
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Boerhavia spp.				Forb (FG)	
Chenopodium curvispicatum				Shrub (SG)	
Medicago polymorpha	Burr Medic	YES			
Vittadinia cuneata				Forb (FG)	
Eremophila sturtii	Turpentine Bush			Shrub (SG)	
Onopordum spp.		YES			
Oxalis spp.				Forb (FG)	
Sonchus oleraceus	Common Sowthistle	YES			
Carrichtera annua	Ward's Weed	YES	No		
Maireana turbinata				Shrub (SG)	
Conyza spp.		YES			
Disphyma crassifolium subsp. clavellatum				Forb (FG)	
Maireana appressa				Shrub (SG)	
Osteocarpum acropterum	Water Weed			Shrub (SG)	
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	
Tripogon loliiformis	Fiveminute Grass			Grass & grasslike (GG)	
Euphorbia drummondii	Caustic Weed			Forb (FG)	
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	
Rhagodia gaudichaudiana					
Sclerolaena divaricata	Tangled Copperburr			Shrub (SG)	
Casuarina pauper	Black Oak			Tree (TG)	7.000
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	10.000
Thysanotus baueri	Fringe-lily			Forb (FG)	
Goodenia pusilliflora				Forb (FG)	
Oxalis perennans				Forb (FG)	
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)	
Sclerolaena brachyptera	Short-winged Copperburr			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 97
				Plot Number ?	137
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Cardamine hirsuta	Common Bittercress	YES			
Tagetes minuta	Stinking Roger	YES			
Sarcozona praecox	Sarcozona			Forb (FG)	
Disphyma crassifolium subsp. subclavellatum					
Sclerolaena stelligera	Star Copperburr			Shrub (SG)	
Sclerolaena decurrens	Green Copperburr			Shrub (SG)	
Vittadinia cervicularis				Forb (FG)	
Maireana pentatropis				Shrub (SG)	
Atriplex vesicaria subsp. macrocystidia	Bladder Saltbush			Shrub (SG)	
Malva parviflora	Small-flowered Mallow	YES			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	
Austrostipa spp.				Grass & grasslike (GG)	
Frankenia spp.				Forb (FG)	
Thysanotus spp.				Forb (FG)	
Maireana spp. 2	ZZZZ - Not Found			ZZZZ - Not Found	
Tecticornia pergranulata subsp. pergranulata				Shrub (SG)	
Calandrinia spp.				Forb (FG)	
Chenopodium melanocarpum				Forb (FG)	
Tetragonia spp.				Forb (FG)	
Salsola australis				Shrub (SG)	
Tetragonia tetragonoides	New Zealand Spinach				
Hydrocotyle spp.				Forb (FG)	
Austrostipa scabra subsp. scabra	Rough Speargrass			Grass & grasslike (GG)	
Chenopodium desertorum subsp. desertorum	Desert Goosefoot			Shrub (SG)	
Olearia pimeleoides var. pimeleoides					
Lycium australe	Australian Boxthorn			Shrub (SG)	
Atriplex stipitata	Mallee Saltbush			Shrub (SG)	

				Plot Num Project Specific	BAMCo24 97
				Plot Number ?	137
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Abundance**
Pterocaulon sphacelatum	Applebush			Forb (FG)	
Enchylaena tomentosa var. tomentosa	Ruby Saltbush				
Chenopodium desertorum subsp. rectum				Shrub (SG)	12.000
Eucalyptus leptophylla	Narrow-leaved Red Mallee			Tree (TG)	
Alectryon oleifolius	Western Rosewood			Tree (TG)	
Medicago sativa	Lucerne	YES			
Atriplex quinii				Shrub (SG)	
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	
Eucalyptus socialis	Red Mallee			Tree (TG)	
Dodonaea viscosa	Sticky Hop-bush			Shrub (SG)	
Chenopodium gaudichaudianum				Shrub (SG)	
Tecticornia indica					
Austrostipa nullanulla	A spear-grass			Grass & grasslike (GG)	
Olearia pimeleoides				Shrub (SG)	
Apophyllum anomalum	Warrior Bush			Shrub (SG)	
Sclerolaena limbata				Shrub (SG)	

A-9 Field Datasheets

Development Footprint – Linear Corridor

				Plot Num Project Specific	BAMHR24 1	BAMHR24 1	BAMHR24 2	BAMHR24 2
				Plot Number ?	52	52	65	65
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Dodonaea viscosa subsp. angustissima	Narrow-leaf Hop-bush			Shrub (SG)				
Eremophila sturtii	Turpentine Bush			Shrub (SG)				
Sclerolaena patenticuspis				Shrub (SG)	0.100	25.000	3.000	100.000
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)			0.010	150.000
Salvia verbenaca	Vervain	YES						
Maireana pyramidata	Black Bluebush			Shrub (SG)	3.000	10.000	1.500	8.000
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)				
Vittadinia cuneata				Forb (FG)	0.010	5000.000	0.500	3500.000
Euphorbia drummondii	Caustic Weed			Forb (FG)			0.010	300.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	0.300		0.800	450.000
Panicum effusum	Hairy Panic			Grass & grasslike (GG)				
Medicago polymorpha	Burr Medic	YES			0.020	7.000	0.010	1.000
Chenopodium curvispicatum				Shrub (SG)				

				Plot Num Project Specific	BAMHR24 1	BAMHR24 1	BAMHR24 2	BAMHR24 2
				Plot Number ?	52	52	65	65
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Olearia pimeleoides				Shrub (SG)				
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	0.100	25.000	1.000	25.000
Convolvulus remotus				Other (OG)				
Vittadinia cervicularis				Forb (FG)				
Boerhavia dominii	Tarvine			Forb (FG)				
Tribulus terrestris	Cat-head	YES					0.020	300.000
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	8.000	33.000	13.000	52.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.010	1.000		
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	0.100	1.000	0.100	2.000
Psilocaulon granulicaule	Wiry Noon-flower	YES	No		0.500	15.000		
Casuarina pauper	Black Oak			Tree (TG)				
Alectryon oleifolius subsp. canescens				Tree (TG)				
Sida corrugata	Corrugated Sida			Forb (FG)			0.010	200.000
Portulaca oleracea	Pigweed			Forb (FG)				

				Plot Num Project Specific	BAMHR24 1	BAMHR24 1	BAMHR24 2	BAMHR24 2
				Plot Number ?	52	52	65	65
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Maireana pentatropis				Shrub (SG)				
Vittadinia cuneata var. hirsuta				Forb (FG)				
Maireana spp.	Cotton Bush, Bluebush, Fissure-weed			Shrub (SG)				
Eucalyptus dumosa	White Mallee			Tree (TG)				
Roepera eremaea	Climbing Twinleaf			Forb (FG)				
Einadia nutans subsp. oxycarpa	Climbing Saltbush			Forb (FG)				
Mesembryanthemum crystallinum	Common Ice Plant	YES						
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)				
Asphodelus fistulosus	Onion Weed	YES						
Convolvulus arvensis	Field Bindweed	YES						
Heliotropium europaeum	Potato Weed	YES						
Alectryon oleifolius	Western Rosewood			Tree (TG)				

				Plot Num Project Specific	BAMHR24 1	BAMHR24 1	BAMHR24 2	BAMHR24 2
				Plot Number ?	52	52	65	65
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Atriplex stipitata	Mallee Saltbush			Shrub (SG)				
Maireana appressa				Shrub (SG)				
Tetragonia moorei				Forb (FG)			0.050	120.000
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)				
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)				
Atriplex holocarpa	Pop Saltbush			Forb (FG)				
Maireana brevifolia				Shrub (SG)				
Lysiana exocarpi				Other (OG)				
Ehrharta spp.	Veldtgrass	YES						
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)				
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)				
Marsdenia australis	Doubah			Other (OG)				
Citrullus amarus	Camel Melon	YES						
Carrichtera annua	Ward's Weed	YES	No					
Salsola australis				Shrub (SG)				
Exocarpos aphyllus	Leafless Ballart			Shrub (SG)				

				Plot Num Project Specific	BAMHR24 1	BAMHR24 1	BAMHR24 2	BAMHR24 2
				Plot Number ?	52	52	65	65
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)				
Solanum esuriale	Quena			Forb (FG)				
Sida intricata				Shrub (SG)				
Goodenia fascicularis	Mallee Goodenia			Forb (FG)				
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)				
Chrysocephalum apiculatum	Common Everlasting			Forb (FG)				

				Plot Num Project Specific	BAMHR24 3	BAMHR24 3	BAMHR24 5	BAMHR24 5
				Plot Number ?	69	69	71	71
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Dodonaea viscosa subsp. angustissima	Narrow-leaf Hop-bush			Shrub (SG)				
Eremophila sturtii	Turpentine Bush			Shrub (SG)				
Sclerolaena patenticuspis				Shrub (SG)	8.500	850.000	0.900	47.000
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)			0.100	15.000
Salvia verbenaca	Vervain	YES						
Maireana pyramidata	Black Bluebush			Shrub (SG)	20.000	150.000	35.000	120.000
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	0.100	1.000		
Vittadinia cuneata				Forb (FG)			0.001	3.000
Euphorbia drummondii	Caustic Weed			Forb (FG)	0.010	60.000		
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	0.100		0.050	50.000
Panicum effusum	Hairy Panic			Grass & grasslike (GG)				
Medicago polymorpha	Burr Medic	YES						
Chenopodium curvispicatum				Shrub (SG)				

				Plot Num Project Specific	BAMHR24 3	BAMHR24 3	BAMHR24 5	BAMHR24 5
				Plot Number ?	69	69	71	71
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Olearia pimeleoides				Shrub (SG)				
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)				
Convolvulus remotus				Other (OG)				
Vittadinia cervicularis				Forb (FG)				
Boerhavia dominii	Tarvine			Forb (FG)	0.010	50.000	0.010	120.000
Tribulus terrestris	Cat-head	YES			0.010	40.000		
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	1.500	3.000		
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	2.000	75.000	0.050	12.000
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	0.500	6.000	0.010	30.000
Psilocaulon granulicaule	Wiry Noon-flower	YES	No					
Casuarina pauper	Black Oak			Tree (TG)	8.000	1.000		
Alectryon oleifolius subsp. canescens				Tree (TG)				
Sida corrugata	Corrugated Sida			Forb (FG)				
Portulaca oleracea	Pigweed			Forb (FG)				

				Plot Num Project Specific	BAMHR24 3	BAMHR24 3	BAMHR24 5	BAMHR24 5
				Plot Number ?	69	69	71	71
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Maireana pentatropis				Shrub (SG)				
Vittadinia cuneata var. hirsuta				Forb (FG)				
Maireana spp.	Cotton Bush, Bluebush, Fissure-weed			Shrub (SG)				
Eucalyptus dumosa	White Mallee			Tree (TG)				
Roepera eremaea	Climbing Twinleaf			Forb (FG)				
Einadia nutans subsp. oxycarpa	Climbing Saltbush			Forb (FG)				
Mesembryanthemum crystallinum	Common Ice Plant	YES						
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)				
Asphodelus fistulosus	Onion Weed	YES						
Convolvulus arvensis	Field Bindweed	YES						
Heliotropium europaeum	Potato Weed	YES						
Alectryon oleifolius	Western Rosewood			Tree (TG)				

				Plot Num Project Specific	BAMHR24 3	BAMHR24 3	BAMHR24 5	BAMHR24 5
				Plot Number ?	69	69	71	71
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Atriplex stipitata	Mallee Saltbush			Shrub (SG)				
Maireana appressa				Shrub (SG)				
Tetragonia moorei				Forb (FG)	0.200	80.000	0.010	85.000
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	0.050	1.000		
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)	0.200	30.000		
Atriplex holocarpa	Pop Saltbush			Forb (FG)	0.100	20.000	0.010	50.000
Maireana brevifolia				Shrub (SG)				
Lysiana exocarpi				Other (OG)				
Ehrharta spp.	Veldtgrass	YES						
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)				
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)				
Marsdenia australis	Doubah			Other (OG)				
Citrullus amarus	Camel Melon	YES						
Carrichtera annua	Ward's Weed	YES	No					
Salsola australis				Shrub (SG)				
Exocarpos aphyllus	Leafless Ballart			Shrub (SG)				

				Plot Num Project Specific	BAMHR24 3	BAMHR24 3	BAMHR24 5	BAMHR24 5
				Plot Number ?	69	69	71	71
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)			2.000	
Solanum esuriale	Quena			Forb (FG)			0.010	45.000
Sida intricata				Shrub (SG)			0.020	11.000
Goodenia fascicularis	Mallee Goodenia			Forb (FG)			0.001	25.000
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)				
Chrysocephalum apiculatum	Common Everlasting			Forb (FG)				

				Plot Num Project Specific	BAMHR24 6	BAMHR24 6	BAMHR24 7	BAMHR24 7
				Plot Number ?	68	68	11	11
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Dodonaea viscosa subsp. angustissima	Narrow-leaf Hop-bush			Shrub (SG)				
Eremophila sturtii	Turpentine Bush			Shrub (SG)				
Sclerolaena patenticuspis				Shrub (SG)	1.000	25.000	0.100	25.000
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)			0.010	
Salvia verbenaca	Vervain	YES						
Maireana pyramidata	Black Bluebush			Shrub (SG)			20.000	80.000
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)			1.000	12.000
Vittadinia cuneata				Forb (FG)	0.100	80.000		
Euphorbia drummondii	Caustic Weed			Forb (FG)	0.100	300.000		
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	0.100		0.010	
Panicum effusum	Hairy Panic			Grass & grasslike (GG)				
Medicago polymorpha	Burr Medic	YES			0.100	4.000	0.010	22.000
Chenopodium curvispicatum				Shrub (SG)				

				Plot Num Project Specific	BAMHR24 6	BAMHR24 6	BAMHR24 7	BAMHR24 7
				Plot Number ?	68	68	11	11
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Olearia pimeleoides				Shrub (SG)				
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)			1.000	26.000
Convolvulus remotus				Other (OG)				
Vittadinia cervicularis				Forb (FG)				
Boerhavia dominii	Tarvine			Forb (FG)			0.010	45.000
Tribulus terrestris	Cat-head	YES			0.010	28.000	0.010	5.000
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	0.200	2.000		
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.800	21.000	0.040	8.000
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	2.000	25.000		
Psilocaulon granulicaule	Wiry Noon-flower	YES	No					
Casuarina pauper	Black Oak			Tree (TG)				
Alectryon oleifolius subsp. canescens				Tree (TG)			40.000	22.000
Sida corrugata	Corrugated Sida			Forb (FG)			0.010	8.000
Portulaca oleracea	Pigweed			Forb (FG)				

				Plot Num Project Specific	BAMHR24 6	BAMHR24 6	BAMHR24 7	BAMHR24 7
				Plot Number ?	68	68	11	11
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Maireana pentatropis				Shrub (SG)				
Vittadinia cuneata var. hirsuta				Forb (FG)				
Maireana spp.	Cotton Bush, Bluebush, Fissure-weed			Shrub (SG)				
Eucalyptus dumosa	White Mallee			Tree (TG)				
Roepera eremaea	Climbing Twinleaf			Forb (FG)				
Einadia nutans subsp. oxycarpa	Climbing Saltbush			Forb (FG)				
Mesembryanthemum crystallinum	Common Ice Plant	YES						
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)			0.010	1.000
Asphodelus fistulosus	Onion Weed	YES						
Convolvulus arvensis	Field Bindweed	YES						
Heliotropium europaeum	Potato Weed	YES						
Alectryon oleifolius	Western Rosewood			Tree (TG)				

				Plot Num Project Specific	BAMHR24 6	BAMHR24 6	BAMHR24 7	BAMHR24 7
				Plot Number ?	68	68	11	11
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Atriplex stipitata	Mallee Saltbush			Shrub (SG)				
Maireana appressa				Shrub (SG)				
Tetragonia moorei				Forb (FG)	0.100	6.000		
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)				
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)				
Atriplex holocarpa	Pop Saltbush			Forb (FG)				
Maireana brevifolia				Shrub (SG)				
Lysiana exocarpi				Other (OG)				
Ehrharta spp.	Veldtgrass	YES						
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)				
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)				
Marsdenia australis	Doubah			Other (OG)				
Citrullus amarus	Camel Melon	YES						
Carrichtera annua	Ward's Weed	YES	No					
Salsola australis				Shrub (SG)				
Exocarpos aphyllus	Leafless Ballart			Shrub (SG)				

				Plot Num Project Specific	BAMHR24 6	BAMHR24 6	BAMHR24 7	BAMHR24 7
				Plot Number ?	68	68	11	11
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)				
Solanum esuriale	Quena			Forb (FG)				
Sida intricata				Shrub (SG)				
Goodenia fascicularis	Mallee Goodenia			Forb (FG)				
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)			0.500	9.000
Chrysocephalum apiculatum	Common Everlasting			Forb (FG)				

				Plot Num Project Specific	BAMHR24 8	BAMHR24 8	BAMHR24 9	BAMHR24 9
				Plot Number ?	50	50	19	19
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Dodonaea viscosa subsp. angustissima	Narrow-leaf Hop-bush			Shrub (SG)				
Eremophila sturtii	Turpentine Bush			Shrub (SG)				
Sclerolaena patenticuspis				Shrub (SG)				
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)				
Salvia verbenaca	Vervain	YES						
Maireana pyramidata	Black Bluebush			Shrub (SG)	8.000	40.000	4.000	20.000
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)			0.500	12.000
Vittadinia cuneata				Forb (FG)				
Euphorbia drummondii	Caustic Weed			Forb (FG)	0.010	23.000		
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	0.010		0.020	
Panicum effusum	Hairy Panic			Grass & grasslike (GG)				
Medicago polymorpha	Burr Medic	YES			0.010	11.000		
Chenopodium curvispicatum				Shrub (SG)				

				Plot Num Project Specific	BAMHR24 8	BAMHR24 8	BAMHR24 9	BAMHR24 9
				Plot Number ?	50	50	19	19
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Olearia pimeleoides				Shrub (SG)				
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	0.050	20.000		
Convolvulus remotus				Other (OG)				
Vittadinia cervicularis				Forb (FG)				
Boerhavia dominii	Tarvine			Forb (FG)				
Tribulus terrestris	Cat-head	YES			0.010	45.000		
Maireana sedifolia	Pearl Bluebush			Shrub (SG)			0.100	2.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	2.000	11.000	0.100	8.000
Maireana georgei	Slit-wing Bluebush			Shrub (SG)				
Psilocaulon granulicaule	Wiry Noon-flower	YES	No					
Casuarina pauper	Black Oak			Tree (TG)			40.000	13.000
Alectryon oleifolius subsp. canescens				Tree (TG)				
Sida corrugata	Corrugated Sida			Forb (FG)				
Portulaca oleracea	Pigweed			Forb (FG)				

				Plot Num Project Specific	BAMHR24 8	BAMHR24 8	BAMHR24 9	BAMHR24 9
				Plot Number ?	50	50	19	19
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Maireana pentatropis				Shrub (SG)				
Vittadinia cuneata var. hirsuta				Forb (FG)	0.010	250.000		
Maireana spp.	Cotton Bush, Bluebush, Fissure-weed			Shrub (SG)			0.020	5.000
Eucalyptus dumosa	White Mallee			Tree (TG)				
Roepera eremaea	Climbing Twinleaf			Forb (FG)				
Einadia nutans subsp. oxycarpa	Climbing Saltbush			Forb (FG)				
Mesembryanthemum crystallinum	Common Ice Plant	YES						
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)				
Asphodelus fistulosus	Onion Weed	YES						
Convolvulus arvensis	Field Bindweed	YES						
Heliotropium europaeum	Potato Weed	YES						
Alectryon oleifolius	Western Rosewood			Tree (TG)			0.500	1.000

				Plot Num Project Specific	BAMHR24 8	BAMHR24 8	BAMHR24 9	BAMHR24 9
				Plot Number ?	50	50	19	19
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Atriplex stipitata	Mallee Saltbush			Shrub (SG)			0.200	25.000
Maireana appressa				Shrub (SG)				
Tetragonia moorei				Forb (FG)	0.010	5.000		
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)				
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)				
Atriplex holocarpa	Pop Saltbush			Forb (FG)				
Maireana brevifolia				Shrub (SG)				
Lysiana exocarpi				Other (OG)				
Ehrharta spp.	Veldtgrass	YES						
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)				
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)				
Marsdenia australis	Doubah			Other (OG)				
Citrullus amarus	Camel Melon	YES						
Carrichtera annua	Ward's Weed	YES	No		0.010	1.000		
Salsola australis				Shrub (SG)				
Exocarpos aphyllus	Leafless Ballart			Shrub (SG)				

				Plot Num Project Specific	BAMHR24 8	BAMHR24 8	BAMHR24 9	BAMHR24 9
				Plot Number ?	50	50	19	19
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)				
Solanum esuriale	Quena			Forb (FG)				
Sida intricata				Shrub (SG)				
Goodenia fascicularis	Mallee Goodenia			Forb (FG)				
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)			0.050	3.000
Chrysocephalum apiculatum	Common Everlasting			Forb (FG)				

				Plot Num Project Specific	BAMHR24 10	BAMHR24 10	BAMHR24 11	BAMHR24 11
				Plot Number ?	30	30	10	10
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Dodonaea viscosa subsp. angustissima	Narrow-leaf Hop-bush			Shrub (SG)	35.000	120.000		
Eremophila sturtii	Turpentine Bush			Shrub (SG)	0.500	1.000		
Sclerolaena patenticuspis				Shrub (SG)	0.500	80.000		
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	0.010	37.000		
Salvia verbenaca	Vervain	YES			0.050	400.000		
Maireana pyramidata	Black Bluebush			Shrub (SG)	8.000	4.000	13.000	70.000
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	0.200	3.000	0.500	18.000
Vittadinia cuneata				Forb (FG)	0.010	10.000		
Euphorbia drummondii	Caustic Weed			Forb (FG)	0.010	10.000		
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	0.200		0.010	
Panicum effusum	Hairy Panic			Grass & grasslike (GG)	0.010	1.000		
Medicago polymorpha	Burr Medic	YES			0.010	1.000		
Chenopodium curvispicatum				Shrub (SG)	0.100	1.000		

				Plot Num Project Specific	BAMHR24 10	BAMHR24 10	BAMHR24 11	BAMHR24 11
				Plot Number ?	30	30	10	10
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Olearia pimeleoides				Shrub (SG)	0.050	1.000		
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	0.030	8.000	0.300	11.000
Convolvulus remotus				Other (OG)	0.010	1.000		
Vittadinia cervicularis				Forb (FG)	0.010	1.000		
Boerhavia dominii	Tarvine			Forb (FG)	0.100	45.000		
Tribulus terrestris	Cat-head	YES			0.010	25.000		
Maireana sedifolia	Pearl Bluebush			Shrub (SG)				
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)			0.100	12.000
Maireana georgei	Slit-wing Bluebush			Shrub (SG)				
Psilocaulon granulicaule	Wiry Noon-flower	YES	No					
Casuarina pauper	Black Oak			Tree (TG)			20.000	6.000
Alectryon oleifolius subsp. canescens				Tree (TG)				
Sida corrugata	Corrugated Sida			Forb (FG)				
Portulaca oleracea	Pigweed			Forb (FG)				

				Plot Num Project Specific	BAMHR24 10	BAMHR24 10	BAMHR24 11	BAMHR24 11
				Plot Number ?	30	30	10	10
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Maireana pentatropis				Shrub (SG)				
Vittadinia cuneata var. hirsuta				Forb (FG)			0.010	1.000
Maireana spp.	Cotton Bush, Bluebush, Fissure-weed			Shrub (SG)			0.300	7.000
Eucalyptus dumosa	White Mallee			Tree (TG)				
Roepera eremaea	Climbing Twinleaf			Forb (FG)				
Einadia nutans subsp. oxycarpa	Climbing Saltbush			Forb (FG)				
Mesembryanthemum crystallinum	Common Ice Plant	YES						
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)				
Asphodelus fistulosus	Onion Weed	YES						
Convolvulus arvensis	Field Bindweed	YES						
Heliotropium europaeum	Potato Weed	YES						
Alectryon oleifolius	Western Rosewood			Tree (TG)				

				Plot Num Project Specific	BAMHR24 10	BAMHR24 10	BAMHR24 11	BAMHR24 11
				Plot Number ?	30	30	10	10
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Atriplex stipitata	Mallee Saltbush			Shrub (SG)			0.300	21.000
Maireana appressa				Shrub (SG)				
Tetragonia moorei				Forb (FG)				
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)				
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)				
Atriplex holocarpa	Pop Saltbush			Forb (FG)				
Maireana brevifolia				Shrub (SG)				
Lysiana exocarpi				Other (OG)				
Ehrharta spp.	Veldtgrass	YES						
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)				
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)				
Marsdenia australis	Doubah			Other (OG)			0.010	2.000
Citrullus amarus	Camel Melon	YES						
Carrichtera annua	Ward's Weed	YES	No					
Salsola australis				Shrub (SG)				
Exocarpos aphyllus	Leafless Ballart			Shrub (SG)				

				Plot Num Project Specific	BAMHR24 10	BAMHR24 10	BAMHR24 11	BAMHR24 11
				Plot Number ?	30	30	10	10
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)				
Solanum esuriale	Quena			Forb (FG)				
Sida intricata				Shrub (SG)				
Goodenia fascicularis	Mallee Goodenia			Forb (FG)				
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)				
Chrysocephalum apiculatum	Common Everlasting			Forb (FG)				

				Plot Num Project Specific	BAMHR24 12	BAMHR24 12	BAMHR24 13	BAMHR24 13
				Plot Number ?	67	67	97	97
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Dodonaea viscosa subsp. angustissima	Narrow-leaf Hop-bush			Shrub (SG)	0.100	3.000		
Eremophila sturtii	Turpentine Bush			Shrub (SG)			6.000	7.000
Sclerolaena patenticuspis				Shrub (SG)	3.000	0.200	0.100	15.000
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	0.100	12.000	0.010	12.000
Salvia verbenaca	Vervain	YES			0.200	600.000	0.100	200.000
Maireana pyramidata	Black Bluebush			Shrub (SG)	10.000	60.000	2.000	13.000
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)			2.000	32.000
Vittadinia cuneata				Forb (FG)				
Euphorbia drummondii	Caustic Weed			Forb (FG)	0.500	400.000	0.100	300.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	0.010			
Panicum effusum	Hairy Panic			Grass & grasslike (GG)				
Medicago polymorpha	Burr Medic	YES						
Chenopodium curvispicatum				Shrub (SG)				

				Plot Num Project Specific	BAMHR24 12	BAMHR24 12	BAMHR24 13	BAMHR24 13
				Plot Number ?	67	67	97	97
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Olearia pimeleoides				Shrub (SG)				
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	0.100	5.000		
Convolvulus remotus				Other (OG)				
Vittadinia cervicularis				Forb (FG)				
Boerhavia dominii	Tarvine			Forb (FG)	1.000	4000.000	0.100	5.000
Tribulus terrestris	Cat-head	YES						
Maireana sedifolia	Pearl Bluebush			Shrub (SG)				
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)			0.100	4.000
Maireana georgei	Slit-wing Bluebush			Shrub (SG)				
Psilocaulon granulicaule	Wiry Noon-flower	YES	No					
Casuarina pauper	Black Oak			Tree (TG)				
Alectryon oleifolius subsp. canescens				Tree (TG)				
Sida corrugata	Corrugated Sida			Forb (FG)	0.100	12.000		
Portulaca oleracea	Pigweed			Forb (FG)				

				Plot Num Project Specific	BAMHR24 12	BAMHR24 12	BAMHR24 13	BAMHR24 13
				Plot Number ?	67	67	97	97
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Maireana pentatropis				Shrub (SG)			0.200	10.000
Vittadinia cuneata var. hirsuta				Forb (FG)	0.030	5.000		
Maireana spp.	Cotton Bush, Bluebush, Fissure-weed			Shrub (SG)				
Eucalyptus dumosa	White Mallee			Tree (TG)			30.000	2.000
Roepera eremaea	Climbing Twinleaf			Forb (FG)			0.100	8.000
Einadia nutans subsp. oxycarpa	Climbing Saltbush			Forb (FG)				
Mesembryanthemum crystallinum	Common Ice Plant	YES						
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)				
Asphodelus fistulosus	Onion Weed	YES						
Convolvulus arvensis	Field Bindweed	YES						
Heliotropium europaeum	Potato Weed	YES						
Alectryon oleifolius	Western Rosewood			Tree (TG)				

				Plot Num Project Specific	BAMHR24 12	BAMHR24 12	BAMHR24 13	BAMHR24 13
				Plot Number ?	67	67	97	97
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Atriplex stipitata	Mallee Saltbush			Shrub (SG)			0.100	10.000
Maireana appressa				Shrub (SG)				
Tetragonia moorei				Forb (FG)				
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)				
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)				
Atriplex holocarpa	Pop Saltbush			Forb (FG)				
Maireana brevifolia				Shrub (SG)				
Lysiana exocarpi				Other (OG)				
Ehrharta spp.	Veldtgrass	YES						
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)				
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)				
Marsdenia australis	Doubah			Other (OG)				
Citrullus amarus	Camel Melon	YES						
Carrichtera annua	Ward's Weed	YES	No					
Salsola australis				Shrub (SG)				
Exocarpos aphyllus	Leafless Ballart			Shrub (SG)				

				Plot Num Project Specific	BAMHR24 12	BAMHR24 12	BAMHR24 13	BAMHR24 13
				Plot Number ?	67	67	97	97
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)				
Solanum esuriale	Quena			Forb (FG)				
Sida intricata				Shrub (SG)				
Goodenia fascicularis	Mallee Goodenia			Forb (FG)				
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)				
Chrysocephalum apiculatum	Common Everlasting			Forb (FG)	0.010	1.000		

				Plot Num Project Specific	BAMHR24 14	BAMHR24 14	BAMHR24 15	BAMHR24 15
				Plot Number ?	108	108	53	53
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Dodonaea viscosa subsp. angustissima	Narrow-leaf Hop-bush			Shrub (SG)				
Eremophila sturtii	Turpentine Bush			Shrub (SG)				
Sclerolaena patenticuspis				Shrub (SG)	0.100	15.000		
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)			0.010	3.000
Salvia verbenaca	Vervain	YES						
Maireana pyramidata	Black Bluebush			Shrub (SG)			0.200	5.000
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	10.000	72.000	0.500	25.000
Vittadinia cuneata				Forb (FG)				
Euphorbia drummondii	Caustic Weed			Forb (FG)			0.010	55.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)			0.010	
Panicum effusum	Hairy Panic			Grass & grasslike (GG)				
Medicago polymorpha	Burr Medic	YES						
Chenopodium curvispicatum				Shrub (SG)				

				Plot Num Project Specific	BAMHR24 14	BAMHR24 14	BAMHR24 15	BAMHR24 15
				Plot Number ?	108	108	53	53
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Olearia pimeleoides				Shrub (SG)				
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)				
Convolvulus remotus				Other (OG)				
Vittadinia cervicularis				Forb (FG)				
Boerhavia dominii	Tarvine			Forb (FG)			0.010	320.000
Tribulus terrestris	Cat-head	YES						
Maireana sedifolia	Pearl Bluebush			Shrub (SG)				
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)				
Maireana georgei	Slit-wing Bluebush			Shrub (SG)				
Psilocaulon granulicaule	Wiry Noon-flower	YES	No					
Casuarina pauper	Black Oak			Tree (TG)			35.000	4.000
Alectryon oleifolius subsp. canescens				Tree (TG)			4.000	1.000
Sida corrugata	Corrugated Sida			Forb (FG)			0.010	44.000
Portulaca oleracea	Pigweed			Forb (FG)			0.010	1.000

				Plot Num Project Specific	BAMHR24 14	BAMHR24 14	BAMHR24 15	BAMHR24 15
				Plot Number ?	108	108	53	53
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Maireana pentatropis				Shrub (SG)			1.000	10.000
Vittadinia cuneata var. hirsuta				Forb (FG)			0.010	1.000
Maireana spp.	Cotton Bush, Bluebush, Fissure-weed			Shrub (SG)				
Eucalyptus dumosa	White Mallee			Tree (TG)	60.000	11.000		
Roepera eremaea	Climbing Twinleaf			Forb (FG)				
Einadia nutans subsp. oxycarpa	Climbing Saltbush			Forb (FG)				
Mesembryanthemum crystallinum	Common Ice Plant	YES						
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)				
Asphodelus fistulosus	Onion Weed	YES						
Convolvulus arvensis	Field Bindweed	YES						
Heliotropium europaeum	Potato Weed	YES						
Alectryon oleifolius	Western Rosewood			Tree (TG)				

				Plot Num Project Specific	BAMHR24 14	BAMHR24 14	BAMHR24 15	BAMHR24 15
				Plot Number ?	108	108	53	53
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Atriplex stipitata	Mallee Saltbush			Shrub (SG)				
Maireana appressa				Shrub (SG)				
Tetragonia moorei				Forb (FG)				
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)	0.500	15.000		
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)				
Atriplex holocarpa	Pop Saltbush			Forb (FG)				
Maireana brevifolia				Shrub (SG)				
Lysiana exocarpi				Other (OG)				
Ehrharta spp.	Veldtgrass	YES			0.100	35.000		
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)	15.000			
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)	0.100	30.000		
Marsdenia australis	Doubah			Other (OG)				
Citrullus amarus	Camel Melon	YES						
Carrichtera annua	Ward's Weed	YES	No					
Salsola australis				Shrub (SG)				
Exocarpos aphyllus	Leafless Ballart			Shrub (SG)				

				Plot Num Project Specific	BAMHR24 14	BAMHR24 14	BAMHR24 15	BAMHR24 15
				Plot Number ?	108	108	53	53
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)				
Solanum esuriale	Quena			Forb (FG)				
Sida intricata				Shrub (SG)				
Goodenia fascicularis	Mallee Goodenia			Forb (FG)				
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)				
Chrysocephalum apiculatum	Common Everlasting			Forb (FG)				

				Plot Num Project Specific	BAMHR24 16	BAMHR24 16	BAMHR24 17	BAMHR24 17
				Plot Number ?	6	6	64	64
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Dodonaea viscosa subsp. angustissima	Narrow-leaf Hop-bush			Shrub (SG)				
Eremophila sturtii	Turpentine Bush			Shrub (SG)			2.000	9.000
Sclerolaena patenticuspis				Shrub (SG)	0.200	45.000		
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)				
Salvia verbenaca	Vervain	YES					0.010	1.000
Maireana pyramidata	Black Bluebush			Shrub (SG)	1.500	18.000	0.100	5.000
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)			0.010	5.000
Vittadinia cuneata				Forb (FG)				
Euphorbia drummondii	Caustic Weed			Forb (FG)	0.050	150.000	0.010	88.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)				
Panicum effusum	Hairy Panic			Grass & grasslike (GG)				
Medicago polymorpha	Burr Medic	YES						
Chenopodium curvispicatum				Shrub (SG)				

				Plot Num Project Specific	BAMHR24 16	BAMHR24 16	BAMHR24 17	BAMHR24 17
				Plot Number ?	6	6	64	64
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Olearia pimeleoides				Shrub (SG)				
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	0.200	15.000		
Convolvulus remotus				Other (OG)				
Vittadinia cervicularis				Forb (FG)				
Boerhavia dominii	Tarvine			Forb (FG)			0.010	44.000
Tribulus terrestris	Cat-head	YES					0.010	55.000
Maireana sedifolia	Pearl Bluebush			Shrub (SG)				
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.100	20.000		
Maireana georgei	Slit-wing Bluebush			Shrub (SG)				
Psilocaulon granulicaule	Wiry Noon-flower	YES	No					
Casuarina pauper	Black Oak			Tree (TG)	20.000	10.000		
Alectryon oleifolius subsp. canescens				Tree (TG)				
Sida corrugata	Corrugated Sida			Forb (FG)				
Portulaca oleracea	Pigweed			Forb (FG)			0.010	3.000

				Plot Num Project Specific	BAMHR24 16	BAMHR24 16	BAMHR24 17	BAMHR24 17
				Plot Number ?	6	6	64	64
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Maireana pentatropis				Shrub (SG)			0.200	4.000
Vittadinia cuneata var. hirsuta				Forb (FG)				
Maireana spp.	Cotton Bush, Bluebush, Fissure-weed			Shrub (SG)			0.500	22.000
Eucalyptus dumosa	White Mallee			Tree (TG)			20.000	7.000
Roepera eremaea	Climbing Twinleaf			Forb (FG)			0.010	2.000
Einadia nutans subsp. oxycarpa	Climbing Saltbush			Forb (FG)			0.100	3.000
Mesembryanthemum crystallinum	Common Ice Plant	YES					0.500	25.000
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)				
Asphodelus fistulosus	Onion Weed	YES						
Convolvulus arvensis	Field Bindweed	YES						
Heliotropium europaeum	Potato Weed	YES						
Alectryon oleifolius	Western Rosewood			Tree (TG)	4.000	1.000		

				Plot Num Project Specific	BAMHR24 16	BAMHR24 16	BAMHR24 17	BAMHR24 17
				Plot Number ?	6	6	64	64
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Atriplex stipitata	Mallee Saltbush			Shrub (SG)				
Maireana appressa				Shrub (SG)				
Tetragonia moorei				Forb (FG)				
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)				
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)				
Atriplex holocarpa	Pop Saltbush			Forb (FG)				
Maireana brevifolia				Shrub (SG)	0.200	10.000		
Lysiana exocarpi				Other (OG)	1.000	1.000		
Ehrharta spp.	Veldtgrass	YES						
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)				
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)				
Marsdenia australis	Doubah			Other (OG)				
Citrullus amarus	Camel Melon	YES						
Carrichtera annua	Ward's Weed	YES	No					
Salsola australis				Shrub (SG)				
Exocarpos aphyllus	Leafless Ballart			Shrub (SG)				

				Plot Num Project Specific	BAMHR24 16	BAMHR24 16	BAMHR24 17	BAMHR24 17
				Plot Number ?	6	6	64	64
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)				
Solanum esuriale	Quena			Forb (FG)				
Sida intricata				Shrub (SG)				
Goodenia fascicularis	Mallee Goodenia			Forb (FG)				
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)				
Chrysocephalum apiculatum	Common Everlasting			Forb (FG)				

				Plot Num Project Specific	BAMHR24 18	BAMHR24 18	BAMHR24 19	BAMHR24 19
				Plot Number ?	96	96	55	55
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Dodonaea viscosa subsp. angustissima	Narrow-leaf Hop-bush			Shrub (SG)				
Eremophila sturtii	Turpentine Bush			Shrub (SG)				
Sclerolaena patenticuspis				Shrub (SG)	0.100	14.000	0.200	26.000
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	0.100	300.000		
Salvia verbenaca	Vervain	YES					0.100	55.000
Maireana pyramidata	Black Bluebush			Shrub (SG)	0.500	6.000	5.000	12.000
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)				
Vittadinia cuneata				Forb (FG)	0.050	250.000		
Euphorbia drummondii	Caustic Weed			Forb (FG)	0.500	3500.000	0.100	150.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	0.050	100.000	0.500	
Panicum effusum	Hairy Panic			Grass & grasslike (GG)				
Medicago polymorpha	Burr Medic	YES					0.100	15.000
Chenopodium curvispicatum				Shrub (SG)				

				Plot Num Project Specific	BAMHR24 18	BAMHR24 18	BAMHR24 19	BAMHR24 19
				Plot Number ?	96	96	55	55
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Olearia pimeleoides				Shrub (SG)				
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	0.050	5.000		
Convolvulus remotus				Other (OG)				
Vittadinia cervicularis				Forb (FG)				
Boerhavia dominii	Tarvine			Forb (FG)	0.100	450.000	0.200	400.000
Tribulus terrestris	Cat-head	YES					0.100	65.000
Maireana sedifolia	Pearl Bluebush			Shrub (SG)				
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.010	3.000	0.300	20.000
Maireana georgei	Slit-wing Bluebush			Shrub (SG)				
Psilocaulon granulicaule	Wiry Noon-flower	YES	No					
Casuarina pauper	Black Oak			Tree (TG)				
Alectryon oleifolius subsp. canescens				Tree (TG)				
Sida corrugata	Corrugated Sida			Forb (FG)			0.100	35.000
Portulaca oleracea	Pigweed			Forb (FG)	0.100	400.000	0.100	300.000

				Plot Num Project Specific	BAMHR24 18	BAMHR24 18	BAMHR24 19	BAMHR24 19
				Plot Number ?	96	96	55	55
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Maireana pentatropis				Shrub (SG)				
Vittadinia cuneata var. hirsuta				Forb (FG)				
Maireana spp.	Cotton Bush, Bluebush, Fissure-weed			Shrub (SG)				
Eucalyptus dumosa	White Mallee			Tree (TG)				
Roepera eremaea	Climbing Twinleaf			Forb (FG)				
Einadia nutans subsp. oxycarpa	Climbing Saltbush			Forb (FG)				
Mesembryanthemum crystallinum	Common Ice Plant	YES						
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)				
Asphodelus fistulosus	Onion Weed	YES						
Convolvulus arvensis	Field Bindweed	YES						
Heliotropium europaeum	Potato Weed	YES						
Alectryon oleifolius	Western Rosewood			Tree (TG)				

				Plot Num Project Specific	BAMHR24 18	BAMHR24 18	BAMHR24 19	BAMHR24 19
				Plot Number ?	96	96	55	55
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Atriplex stipitata	Mallee Saltbush			Shrub (SG)				
Maireana appressa				Shrub (SG)				
Tetragonia moorei				Forb (FG)				
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)				
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)				
Atriplex holocarpa	Pop Saltbush			Forb (FG)				
Maireana brevifolia				Shrub (SG)	20.000	0.100		
Lysiana exocarpi				Other (OG)				
Ehrharta spp.	Veldtgrass	YES						
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)				
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)				
Marsdenia australis	Doubah			Other (OG)				
Citrullus amarus	Camel Melon	YES						
Carrichtera annua	Ward's Weed	YES	No					
Salsola australis				Shrub (SG)				
Exocarpos aphyllus	Leafless Ballart			Shrub (SG)				

				Plot Num Project Specific	BAMHR24 18	BAMHR24 18	BAMHR24 19	BAMHR24 19
				Plot Number ?	96	96	55	55
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)				
Solanum esuriale	Quena			Forb (FG)				
Sida intricata				Shrub (SG)				
Goodenia fascicularis	Mallee Goodenia			Forb (FG)				
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)				
Chrysocephalum apiculatum	Common Everlasting			Forb (FG)				

				Plot Num Project Specific	BAMHR24 20 W	BAMHR24 20 W	BAMHR24 21	BAMHR24 21
				Plot Number ?	8	8	4	4
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Dodonaea viscosa subsp. angustissima	Narrow-leaf Hop-bush			Shrub (SG)				
Eremophila sturtii	Turpentine Bush			Shrub (SG)				
Sclerolaena patenticuspis				Shrub (SG)			0.200	25.000
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	0.100	10.000		
Salvia verbenaca	Vervain	YES			0.100	200.000		
Maireana pyramidata	Black Bluebush			Shrub (SG)			30.000	35.000
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	0.200	2.000	0.300	4.000
Vittadinia cuneata				Forb (FG)	0.100	100.000	0.010	6.000
Euphorbia drummondii	Caustic Weed			Forb (FG)	0.200	600.000	0.010	30.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	0.100	50.000		
Panicum effusum	Hairy Panic			Grass & grasslike (GG)				
Medicago polymorpha	Burr Medic	YES			0.100	10.000		
Chenopodium curvispicatum				Shrub (SG)				

				Plot Num Project Specific	BAMHR24 20 W	BAMHR24 20 W	BAMHR24 21	BAMHR24 21
				Plot Number ?	8	8	4	4
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Olearia pimeleoides				Shrub (SG)				
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	20.000	120.000	0.100	15.000
Convolvulus remotus				Other (OG)				
Vittadinia cervicularis				Forb (FG)				
Boerhavia dominii	Tarvine			Forb (FG)	0.200	800.000		
Tribulus terrestris	Cat-head	YES			0.100	50.000		
Maireana sedifolia	Pearl Bluebush			Shrub (SG)				
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.100	15.000	0.500	15.000
Maireana georgei	Slit-wing Bluebush			Shrub (SG)				
Psilocaulon granulicaule	Wiry Noon-flower	YES	No					
Casuarina pauper	Black Oak			Tree (TG)			45.000	11.000
Alectryon oleifolius subsp. canescens				Tree (TG)				
Sida corrugata	Corrugated Sida			Forb (FG)				
Portulaca oleracea	Pigweed			Forb (FG)	0.100	50.000		

				Plot Num Project Specific	BAMHR24 20 W	BAMHR24 20 W	BAMHR24 21	BAMHR24 21
				Plot Number ?	8	8	4	4
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Maireana pentatropis				Shrub (SG)	0.100	2.000	0.100	4.000
Vittadinia cuneata var. hirsuta				Forb (FG)				
Maireana spp.	Cotton Bush, Bluebush, Fissure-weed			Shrub (SG)				
Eucalyptus dumosa	White Mallee			Tree (TG)				
Roepera eremaea	Climbing Twinleaf			Forb (FG)				
Einadia nutans subsp. oxycarpa	Climbing Saltbush			Forb (FG)				
Mesembryanthemum crystallinum	Common Ice Plant	YES						
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)				
Asphodelus fistulosus	Onion Weed	YES						
Convolvulus arvensis	Field Bindweed	YES						
Heliotropium europaeum	Potato Weed	YES						
Alectryon oleifolius	Western Rosewood			Tree (TG)	5.000	1.000		

				Plot Num Project Specific	BAMHR24 20 W	BAMHR24 20 W	BAMHR24 21	BAMHR24 21
				Plot Number ?	8	8	4	4
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Atriplex stipitata	Mallee Saltbush			Shrub (SG)				
Maireana appressa				Shrub (SG)				
Tetragonia moorei				Forb (FG)				
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)				
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)				
Atriplex holocarpa	Pop Saltbush			Forb (FG)				
Maireana brevifolia				Shrub (SG)				
Lysiana exocarpi				Other (OG)	1.000	1.000		
Ehrharta spp.	Veldtgrass	YES						
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)				
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)				
Marsdenia australis	Doubah			Other (OG)			0.100	3.000
Citrullus amarus	Camel Melon	YES			0.100	3.000		
Carrichtera annua	Ward's Weed	YES	No					
Salsola australis				Shrub (SG)				
Exocarpos aphyllus	Leafless Ballart			Shrub (SG)				

				Plot Num Project Specific	BAMHR24 20 W	BAMHR24 20 W	BAMHR24 21	BAMHR24 21
				Plot Number ?	8	8	4	4
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)				
Solanum esuriale	Quena			Forb (FG)				
Sida intricata				Shrub (SG)				
Goodenia fascicularis	Mallee Goodenia			Forb (FG)				
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)				
Chrysocephalum apiculatum	Common Everlasting			Forb (FG)				

				Plot Num Project Specific	BAMHR24 22	BAMHR24 22	BAMHR24 23	BAMHR24 23
				Plot Number ?	72	72	12	12
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Dodonaea viscosa subsp. angustissima	Narrow-leaf Hop-bush			Shrub (SG)				
Eremophila sturtii	Turpentine Bush			Shrub (SG)				
Sclerolaena patenticuspis				Shrub (SG)				
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)				
Salvia verbenaca	Vervain	YES			0.050	75.000		
Maireana pyramidata	Black Bluebush			Shrub (SG)	0.050	2.000	8.000	35.000
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	0.500	16.000	0.100	7.000
Vittadinia cuneata				Forb (FG)			0.100	12.000
Euphorbia drummondii	Caustic Weed			Forb (FG)				
Austrostipa scabra	Speargrass			Grass & grasslike (GG)				
Panicum effusum	Hairy Panic			Grass & grasslike (GG)				
Medicago polymorpha	Burr Medic	YES						
Chenopodium curvispicatum				Shrub (SG)				

				Plot Num Project Specific	BAMHR24 22	BAMHR24 22	BAMHR24 23	BAMHR24 23
				Plot Number ?	72	72	12	12
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Olearia pimeleoides				Shrub (SG)	0.010	1.000		
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)			1.000	25.000
Convolvulus remotus				Other (OG)	0.010	1.000		
Vittadinia cervicularis				Forb (FG)				
Boerhavia dominii	Tarvine			Forb (FG)			0.010	45.000
Tribulus terrestris	Cat-head	YES						
Maireana sedifolia	Pearl Bluebush			Shrub (SG)			0.050	1.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)			0.100	8.000
Maireana georgei	Slit-wing Bluebush			Shrub (SG)				
Psilocaulon granulicaule	Wiry Noon-flower	YES	No		10.000	50.000		
Casuarina pauper	Black Oak			Tree (TG)	30.000	5.000	30.000	5.000
Alectryon oleifolius subsp. canescens				Tree (TG)				
Sida corrugata	Corrugated Sida			Forb (FG)	0.010	1.000		
Portulaca oleracea	Pigweed			Forb (FG)				

				Plot Num Project Specific	BAMHR24 22	BAMHR24 22	BAMHR24 23	BAMHR24 23
				Plot Number ?	72	72	12	12
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Maireana pentatropis				Shrub (SG)	0.010	1.000		
Vittadinia cuneata var. hirsuta				Forb (FG)				
Maireana spp.	Cotton Bush, Bluebush, Fissure-weed			Shrub (SG)				
Eucalyptus dumosa	White Mallee			Tree (TG)				
Roepera eremaea	Climbing Twinleaf			Forb (FG)				
Einadia nutans subsp. oxycarpa	Climbing Saltbush			Forb (FG)				
Mesembryanthemum crystallinum	Common Ice Plant	YES						
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	1.000	12.000		
Asphodelus fistulosus	Onion Weed	YES			0.100	25.000		
Convolvulus arvensis	Field Bindweed	YES						
Heliotropium europaeum	Potato Weed	YES						
Alectryon oleifolius	Western Rosewood			Tree (TG)			1.000	1.000

				Plot Num Project Specific	BAMHR24 22	BAMHR24 22	BAMHR24 23	BAMHR24 23
				Plot Number ?	72	72	12	12
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Atriplex stipitata	Mallee Saltbush			Shrub (SG)			0.100	5.000
Maireana appressa				Shrub (SG)	0.500	4.000		
Tetragonia moorei				Forb (FG)				
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)				
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)				
Atriplex holocarpa	Pop Saltbush			Forb (FG)				
Maireana brevifolia				Shrub (SG)				
Lysiana exocarpi				Other (OG)				
Ehrharta spp.	Veldtgrass	YES						
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)				
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)				
Marsdenia australis	Doubah			Other (OG)				
Citrullus amarus	Camel Melon	YES						
Carrichtera annua	Ward's Weed	YES	No					
Salsola australis				Shrub (SG)				
Exocarpos aphyllus	Leafless Ballart			Shrub (SG)				

				Plot Num Project Specific	BAMHR24 22	BAMHR24 22	BAMHR24 23	BAMHR24 23
				Plot Number ?	72	72	12	12
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)				
Solanum esuriale	Quena			Forb (FG)				
Sida intricata				Shrub (SG)				
Goodenia fascicularis	Mallee Goodenia			Forb (FG)				
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)				
Chrysocephalum apiculatum	Common Everlasting			Forb (FG)				

				Plot Num Project Specific	BAMHR24 24	BAMHR24 24	BAMHR24 25	BAMHR24 25
				Plot Number ?	9	9	31	31
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Dodonaea viscosa subsp. angustissima	Narrow-leaf Hop-bush			Shrub (SG)			5.000	80.000
Eremophila sturtii	Turpentine Bush			Shrub (SG)				
Sclerolaena patenticuspis				Shrub (SG)				
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	0.010	15.000	0.030	35.000
Salvia verbenaca	Vervain	YES			0.050	220.000	0.010	1.000
Maireana pyramidata	Black Bluebush			Shrub (SG)	10.000	35.000		
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)			0.050	4.000
Vittadinia cuneata				Forb (FG)				
Euphorbia drummondii	Caustic Weed			Forb (FG)	0.100	450.000		
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	0.010	5.000		
Panicum effusum	Hairy Panic			Grass & grasslike (GG)				
Medicago polymorpha	Burr Medic	YES						
Chenopodium curvispicatum				Shrub (SG)				

				Plot Num Project Specific	BAMHR24 24	BAMHR24 24	BAMHR24 25	BAMHR24 25
				Plot Number ?	9	9	31	31
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Olearia pimeleoides				Shrub (SG)				
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	0.500	25.000	1.000	60.000
Convolvulus remotus				Other (OG)				
Vittadinia cervicularis				Forb (FG)				
Boerhavia dominii	Tarvine			Forb (FG)	0.010	35.000		
Tribulus terrestris	Cat-head	YES			0.010	5.000	0.010	1.000
Maireana sedifolia	Pearl Bluebush			Shrub (SG)			0.100	1.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.010	8.000	0.010	3.000
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	0.100	1.000		
Psilocaulon granulicaule	Wiry Noon-flower	YES	No					
Casuarina pauper	Black Oak			Tree (TG)	8.000	1.000		
Alectryon oleifolius subsp. canescens				Tree (TG)				
Sida corrugata	Corrugated Sida			Forb (FG)				
Portulaca oleracea	Pigweed			Forb (FG)				

				Plot Num Project Specific	BAMHR24 24	BAMHR24 24	BAMHR24 25	BAMHR24 25
				Plot Number ?	9	9	31	31
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Maireana pentatropis				Shrub (SG)	0.010	18.000		
Vittadinia cuneata var. hirsuta				Forb (FG)			0.010	53.000
Maireana spp.	Cotton Bush, Bluebush, Fissure-weed			Shrub (SG)				
Eucalyptus dumosa	White Mallee			Tree (TG)				
Roepera eremaea	Climbing Twinleaf			Forb (FG)				
Einadia nutans subsp. oxycarpa	Climbing Saltbush			Forb (FG)				
Mesembryanthemum crystallinum	Common Ice Plant	YES						
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)	0.100	3.000	0.500	3.000
Asphodelus fistulosus	Onion Weed	YES			0.010	3.000	25.000	500.000
Convolvulus arvensis	Field Bindweed	YES					0.001	1.000
Heliotropium europaeum	Potato Weed	YES			0.100	30.000		
Alectryon oleifolius	Western Rosewood			Tree (TG)				

				Plot Num Project Specific	BAMHR24 24	BAMHR24 24	BAMHR24 25	BAMHR24 25
				Plot Number ?	9	9	31	31
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Atriplex stipitata	Mallee Saltbush			Shrub (SG)				
Maireana appressa				Shrub (SG)				
Tetragonia moorei				Forb (FG)				
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)				
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)				
Atriplex holocarpa	Pop Saltbush			Forb (FG)				
Maireana brevifolia				Shrub (SG)				
Lysiana exocarpi				Other (OG)				
Ehrharta spp.	Veldtgrass	YES						
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)				
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)				
Marsdenia australis	Doubah			Other (OG)				
Citrullus amarus	Camel Melon	YES						
Carrichtera annua	Ward's Weed	YES	No					
Salsola australis				Shrub (SG)				
Exocarpos aphyllus	Leafless Ballart			Shrub (SG)				

				Plot Num Project Specific	BAMHR24 24	BAMHR24 24	BAMHR24 25	BAMHR24 25
				Plot Number ?	9	9	31	31
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)				
Solanum esuriale	Quena			Forb (FG)				
Sida intricata				Shrub (SG)				
Goodenia fascicularis	Mallee Goodenia			Forb (FG)				
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)				
Chrysocephalum apiculatum	Common Everlasting			Forb (FG)				

				Plot Num Project Specific	BAMHR24 26	BAMHR24 26	BAMHR24 27	BAMHR24 27
				Plot Number ?	7	7	66	66
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Dodonaea viscosa subsp. angustissima	Narrow-leaf Hop-bush			Shrub (SG)				
Eremophila sturtii	Turpentine Bush			Shrub (SG)				
Sclerolaena patenticuspis				Shrub (SG)	1.500	24.000	4.000	120.000
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	0.100	20.000	0.200	
Salvia verbenaca	Vervain	YES					0.100	80.000
Maireana pyramidata	Black Bluebush			Shrub (SG)	35.000	80.000	2.000	8.000
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)	2.500	9.000		
Vittadinia cuneata				Forb (FG)			0.300	450.000
Euphorbia drummondii	Caustic Weed			Forb (FG)	0.100	40.000	0.500	400.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)			1.500	
Panicum effusum	Hairy Panic			Grass & grasslike (GG)				
Medicago polymorpha	Burr Medic	YES						
Chenopodium curvispicatum				Shrub (SG)	1.500	6.000		

				Plot Num Project Specific	BAMHR24 26	BAMHR24 26	BAMHR24 27	BAMHR24 27
				Plot Number ?	7	7	66	66
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Olearia pimeleoides				Shrub (SG)				
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)				
Convolvulus remotus				Other (OG)				
Vittadinia cervicularis				Forb (FG)				
Boerhavia dominii	Tarvine			Forb (FG)	0.200	75.000		
Tribulus terrestris	Cat-head	YES			0.100	35.000	0.200	150.000
Maireana sedifolia	Pearl Bluebush			Shrub (SG)			10.000	45.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.100	10.000	0.200	200.000
Maireana georgei	Slit-wing Bluebush			Shrub (SG)			1.500	7.000
Psilocaulon granulicaule	Wiry Noon-flower	YES	No					
Casuarina pauper	Black Oak			Tree (TG)	30.000	4.000		
Alectryon oleifolius subsp. canescens				Tree (TG)				
Sida corrugata	Corrugated Sida			Forb (FG)	1.500	60.000	0.100	20.000
Portulaca oleracea	Pigweed			Forb (FG)	0.300	80.000		

				Plot Num Project Specific	BAMHR24 26	BAMHR24 26	BAMHR24 27	BAMHR24 27
				Plot Number ?	7	7	66	66
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Maireana pentatropis				Shrub (SG)				
Vittadinia cuneata var. hirsuta				Forb (FG)				
Maireana spp.	Cotton Bush, Bluebush, Fissure-weed			Shrub (SG)				
Eucalyptus dumosa	White Mallee			Tree (TG)				
Roepera eremaea	Climbing Twinleaf			Forb (FG)				
Einadia nutans subsp. oxycarpa	Climbing Saltbush			Forb (FG)				
Mesembryanthemum crystallinum	Common Ice Plant	YES						
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)				
Asphodelus fistulosus	Onion Weed	YES			2.000	75.000		
Convolvulus arvensis	Field Bindweed	YES						
Heliotropium europaeum	Potato Weed	YES						
Alectryon oleifolius	Western Rosewood			Tree (TG)				

				Plot Num Project Specific	BAMHR24 26	BAMHR24 26	BAMHR24 27	BAMHR24 27
				Plot Number ?	7	7	66	66
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Atriplex stipitata	Mallee Saltbush			Shrub (SG)				
Maireana appressa				Shrub (SG)				
Tetragonia moorei				Forb (FG)				
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)				
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)				
Atriplex holocarpa	Pop Saltbush			Forb (FG)				
Maireana brevifolia				Shrub (SG)				
Lysiana exocarpi				Other (OG)				
Ehrharta spp.	Veldtgrass	YES						
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)				
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)				
Marsdenia australis	Doubah			Other (OG)				
Citrullus amarus	Camel Melon	YES						
Carrichtera annua	Ward's Weed	YES	No					
Salsola australis				Shrub (SG)				
Exocarpos aphyllus	Leafless Ballart			Shrub (SG)	3.000	3.000		

				Plot Num Project Specific	BAMHR24 26	BAMHR24 26	BAMHR24 27	BAMHR24 27
				Plot Number ?	7	7	66	66
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)				
Solanum esuriale	Quena			Forb (FG)				
Sida intricata				Shrub (SG)				
Goodenia fascicularis	Mallee Goodenia			Forb (FG)				
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)				
Chrysocephalum apiculatum	Common Everlasting			Forb (FG)				

				Plot Num Project Specific	BAMHR24 28	BAMHR24 28	BAMHR24 29	BAMHR24 29
				Plot Number ?	54	54	5	5
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Dodonaea viscosa subsp. angustissima	Narrow-leaf Hop-bush			Shrub (SG)				
Eremophila sturtii	Turpentine Bush			Shrub (SG)				
Sclerolaena patenticuspis				Shrub (SG)	1.500	20.000	8.000	136.000
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	0.500		1.000	120.000
Salvia verbenaca	Vervain	YES			4.000	700.000		
Maireana pyramidata	Black Bluebush			Shrub (SG)	8.000	28.000	13.000	50.000
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)				
Vittadinia cuneata				Forb (FG)	0.100	5.000		
Euphorbia drummondii	Caustic Weed			Forb (FG)	0.500	400.000	0.500	120.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	3.000		0.300	50.000
Panicum effusum	Hairy Panic			Grass & grasslike (GG)				
Medicago polymorpha	Burr Medic	YES						
Chenopodium curvispicatum				Shrub (SG)				

				Plot Num Project Specific	BAMHR24 28	BAMHR24 28	BAMHR24 29	BAMHR24 29
				Plot Number ?	54	54	5	5
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Olearia pimeleoides				Shrub (SG)				
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)				
Convolvulus remotus				Other (OG)			0.100	3.000
Vittadinia cervicularis				Forb (FG)				
Boerhavia dominii	Tarvine			Forb (FG)	0.100	35.000	0.200	200.000
Tribulus terrestris	Cat-head	YES			0.500	350.000	0.200	100.000
Maireana sedifolia	Pearl Bluebush			Shrub (SG)	5.000	7.000	4.000	24.000
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.200	60.000	2.000	20.000
Maireana georgei	Slit-wing Bluebush			Shrub (SG)	3.000	15.000	1.000	2.000
Psilocaulon granulicaule	Wiry Noon-flower	YES	No					
Casuarina pauper	Black Oak			Tree (TG)				
Alectryon oleifolius subsp. canescens				Tree (TG)				
Sida corrugata	Corrugated Sida			Forb (FG)	0.2	50.000		
Portulaca oleracea	Pigweed			Forb (FG)	0.100	1.000		

				Plot Num Project Specific	BAMHR24 28	BAMHR24 28	BAMHR24 29	BAMHR24 29
				Plot Number ?	54	54	5	5
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Maireana pentatropis				Shrub (SG)				
Vittadinia cuneata var. hirsuta				Forb (FG)				
Maireana spp.	Cotton Bush, Bluebush, Fissure-weed			Shrub (SG)				
Eucalyptus dumosa	White Mallee			Tree (TG)				
Roepera eremaea	Climbing Twinleaf			Forb (FG)				
Einadia nutans subsp. oxycarpa	Climbing Saltbush			Forb (FG)				
Mesembryanthemum crystallinum	Common Ice Plant	YES					0.100	2.000
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)				
Asphodelus fistulosus	Onion Weed	YES					1.500	22.000
Convolvulus arvensis	Field Bindweed	YES						
Heliotropium europaeum	Potato Weed	YES						
Alectryon oleifolius	Western Rosewood			Tree (TG)				

				Plot Num Project Specific	BAMHR24 28	BAMHR24 28	BAMHR24 29	BAMHR24 29
				Plot Number ?	54	54	5	5
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Atriplex stipitata	Mallee Saltbush			Shrub (SG)				
Maireana appressa				Shrub (SG)				
Tetragonia moorei				Forb (FG)				
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)				
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)				
Atriplex holocarpa	Pop Saltbush			Forb (FG)				
Maireana brevifolia				Shrub (SG)				
Lysiana exocarpi				Other (OG)				
Ehrharta spp.	Veldtgrass	YES						
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)				
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)				
Marsdenia australis	Doubah			Other (OG)				
Citrullus amarus	Camel Melon	YES						
Carrichtera annua	Ward's Weed	YES	No				0.200	60.000
Salsola australis				Shrub (SG)				
Exocarpos aphyllus	Leafless Ballart			Shrub (SG)				

				Plot Num Project Specific	BAMHR24 28	BAMHR24 28	BAMHR24 29	BAMHR24 29
				Plot Number ?	54	54	5	5
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)				
Solanum esuriale	Quena			Forb (FG)				
Sida intricata				Shrub (SG)				
Goodenia fascicularis	Mallee Goodenia			Forb (FG)				
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)				
Chrysocephalum apiculatum	Common Everlasting			Forb (FG)				

				Plot Num Project Specific	BAMHR24 30	BAMHR24 30	BAMHR24 20 E	BAMHR24 20 E
				Plot Number ?	70	70	51	51
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Dodonaea viscosa subsp. angustissima	Narrow-leaf Hop-bush			Shrub (SG)				
Eremophila sturtii	Turpentine Bush			Shrub (SG)				
Sclerolaena patenticuspis				Shrub (SG)	7.000	90.000	0.200	35.000
Enneapogon avenaceus	Bottle Washers			Grass & grasslike (GG)	0.100	35.000	0.100	10.000
Salvia verbenaca	Vervain	YES						
Maireana pyramidata	Black Bluebush			Shrub (SG)	5.000	12.000	35.000	110.000
Enchylaena tomentosa	Ruby Saltbush			Shrub (SG)				
Vittadinia cuneata				Forb (FG)	0.100	15.000	0.100	30.000
Euphorbia drummondii	Caustic Weed			Forb (FG)	0.200	50.000	0.100	35.000
Austrostipa scabra	Speargrass			Grass & grasslike (GG)	0.100	30.000	0.100	35.000
Panicum effusum	Hairy Panic			Grass & grasslike (GG)				
Medicago polymorpha	Burr Medic	YES						
Chenopodium curvispicatum				Shrub (SG)				

				Plot Num Project Specific	BAMHR24 30	BAMHR24 30	BAMHR24 20 E	BAMHR24 20 E
				Plot Number ?	70	70	51	51
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Olearia pimeleoides				Shrub (SG)				
Sclerolaena diacantha	Grey Copperburr			Shrub (SG)	0.500	16.000	0.100	20.000
Convolvulus remotus				Other (OG)	0.100	1.000		
Vittadinia cervicularis				Forb (FG)				
Boerhavia dominii	Tarvine			Forb (FG)	0.300	250.000		
Tribulus terrestris	Cat-head	YES			1.000	350.000	0.100	50.000
Maireana sedifolia	Pearl Bluebush			Shrub (SG)				
Dissocarpus paradoxus	Cannonball Burr			Shrub (SG)	0.100	7.000	0.200	30.000
Maireana georgei	Slit-wing Bluebush			Shrub (SG)			5.000	20.000
Psilocaulon granulicaule	Wiry Noon-flower	YES	No					
Casuarina pauper	Black Oak			Tree (TG)				
Alectryon oleifolius subsp. canescens				Tree (TG)				
Sida corrugata	Corrugated Sida			Forb (FG)				
Portulaca oleracea	Pigweed			Forb (FG)				

				Plot Num Project Specific	BAMHR24 30	BAMHR24 30	BAMHR24 20 E	BAMHR24 20 E
				Plot Number ?	70	70	51	51
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Maireana pentatropis				Shrub (SG)				
Vittadinia cuneata var. hirsuta				Forb (FG)				
Maireana spp.	Cotton Bush, Bluebush, Fissure-weed			Shrub (SG)				
Eucalyptus dumosa	White Mallee			Tree (TG)				
Roepera eremaea	Climbing Twinleaf			Forb (FG)				
Einadia nutans subsp. oxycarpa	Climbing Saltbush			Forb (FG)				
Mesembryanthemum crystallinum	Common Ice Plant	YES			0.010	2.000		
Rhagodia spinescens	Thorny Saltbush			Shrub (SG)				
Asphodelus fistulosus	Onion Weed	YES			2.500	18.000		
Convolvulus arvensis	Field Bindweed	YES						
Heliotropium europaeum	Potato Weed	YES						
Alectryon oleifolius	Western Rosewood			Tree (TG)				

				Plot Num Project Specific	BAMHR24 30	BAMHR24 30	BAMHR24 20 E	BAMHR24 20 E
				Plot Number ?	70	70	51	51
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Atriplex stipitata	Mallee Saltbush			Shrub (SG)				
Maireana appressa				Shrub (SG)				
Tetragonia moorei				Forb (FG)	0.100	10.000		
Chenopodium spp.	Goosefoot, Crumbweed			Shrub (SG)				
Atriplex vesicaria	Bladder Saltbush			Shrub (SG)				
Atriplex holocarpa	Pop Saltbush			Forb (FG)	0.100	3.000		
Maireana brevifolia				Shrub (SG)				
Lysiana exocarpi				Other (OG)				
Ehrharta spp.	Veldtgrass	YES						
Triodia scariosa	Porcupine Grass			Grass & grasslike (GG)				
Sclerolaena spp.	Copperburr, Poverty-bush			Shrub (SG)				
Marsdenia australis	Doubah			Other (OG)				
Citrullus amarus	Camel Melon	YES						
Carrichtera annua	Ward's Weed	YES	No		0.200	300.000		
Salsola australis				Shrub (SG)	0.100	2.000		
Exocarpos aphyllus	Leafless Ballart			Shrub (SG)				

				Plot Num Project Specific	BAMHR24 30	BAMHR24 30	BAMHR24 20 E	BAMHR24 20 E
				Plot Number ?	70	70	51	51
Scientific Name	**Common Name**	**Exotic**	**High Threat Weed (Manageable Yes/No)**	**BAM Growth Form Group**	**Cover**	**Abundance**	**Cover**	**Abundance**
Eragrostis setifolia	Neverfail			Grass & grasslike (GG)				
Solanum esuriale	Quena			Forb (FG)				
Sida intricata				Shrub (SG)				
Goodenia fascicularis	Mallee Goodenia			Forb (FG)				
Chenopodium desertorum	Desert Goosefoot			Shrub (SG)				
Chrysocephalum apiculatum	Common Everlasting			Forb (FG)				

A-10 Preliminary Observations of Groundwater Dependent Ecosystems – Greenloaning Biostudies September 2022

Preliminary Observations of Groundwater Dependent Ecosystems – Greenloaning Biostudies

1. Introduction

1.1 Groundwater Dependent Ecosystem Mapping

Greenloaning Biostudies has performed some preliminary desktop interrogation of Groundwater Dependent Ecosystem (GDE) mapping for the Huntingfield, Sunshine and Warwick properties, in far South-Western New South Wales. This mapping was sourced from data provided by:

- NSW Department of Planning and Environment (DPE, 2022a), and
- Plant Community Type (PCT) mapping undertaken by EnviroKey in 2018 and 2020.

As far as GIS mapping is concerned, this work should be considered preliminary in nature, and is only intended as a comparison of the two data inputs to be used to inform future, more detailed work on potential GDE mapping.

This work concentrated on the Pitshell Boundary where it occurs on the subject properties plus a 50 metre buffer (Disturbance Area).

More detailed ground-truthing of PCTs was undertaken during mid-September, 2022. Greenloaning Biostudies (accompanied and greatly assisted by Phil Grant – RZ Resources), conducted field inspections at sixteen (16) points within the southern Disturbance Area on Warwick Station (see maps that accompany this document – Map 5).

1.2 Groundwater Levels and Salinity

Groundwater quality, especially salt concentrations, and the impact that it has on groundwater use by vegetation was not considered by DPE when 'probable' GDE PCTs were developed for the area (2016).

The preliminary work undertaken by Greenloaning will provide some analysis and discussion of the potential impacts of groundwater levels and salinity concentrations in conjunction with the likelihood of GDEs being present at the places mapped by DPE and by EnviroKey.

2. GDE Mapping Methods DPE

2.1 DPE- Determining Probable GDEs

The DPE (2016) use a complex model with numerous variants to determine which PCTs are most likely to be GDEs. Some of these variants include how well a PCT survives drought periods.

Given the preliminary nature of this analysis, in this section, we have only examined some of the 'coarser', more accessible inputs to the model.

2.1.1 Determining Probability of Occurrence - DPE

The NSW Department of Primary Industries – Water (DPI-Water, 2016) uses vegetation and PCT occurrence as an indicator of probable DGEs. The probability is categorised into 'Very High – High - Moderate and Low'.

DPE? mapping for the Disturbance Area rates the probability of GDEs occurring into two categories, viz: 1) High probability of GDE, and 2) Low Probability of GDE.

Some of the rules (relevant to the Disturbance Area) used by the DPI-Water (2016) model to determine High Probability GDEs, are as follows:

- groundwater is present at a depth of less than 12 metres (woody vegetation), or less than 0.8 metres (non-woody vegetation),
- topography is low lying, characterised by such features as depressions where groundwater is likely to be close to the surface,
- species with a documented association with groundwater are present,
- species that are considered to be deep rooted are present, and
- there are well drained geological substrates, for example gravels and sandy soils.

Note: There are other considerations that do not apply to the Disturbance Area eg. riverbanks, coastal sands, etc.

Some of the rules (relevant to the Disturbance Area) used by the DPI-Water (2016) model to determine Low Probability GDEs, are as follows:

- depth to groundwater greater than 16 metres,
- steep, or hilltops, ridges and rocky hills,
- shallow rooted (eg. chenopods, grasslands) species, and
- clay soils, skeletal or shallow soils.

2.1.2 Determining value of GDEs – DPE

The NSW Government has adopted the guidelines developed by Dabovic *et al* (2019) for identifying High Ecological Value Aquatic Ecosystems. This approach is applied to PCTs that have a high probability of being GDEs. The variants used to determine ecological value are:

- Naturalness,
- Diversity,
- Distinctiveness, and
- Vital Habitat.

These High Value GDEs are a priority for New South Wales Water Sharing Plans. Data on High Value GDEs was sourced from DPE (2022b).

3. Greenloaning Biostudies Field Observation Methods

Greenloaning conducted field inspections at sixteen (16) points within the southern Disturbance Area on Warwick Station (see maps that accompany this document – Map 5).

These observation points included floristics data collection at two vegetation plots, in accordance with the requirements of the Biodiversity Assessment Method (BAM plots) (DPE, 2020). The aim of these field inspections was to estimate whether probable GDE mapping sourced from the DPE (2022a), aligned with PCT mapping undertaken by EnviroKey in 2018 and 2020.

4. Depth to Groundwater and Groundwater Salinity Concentrations

RZ Resources has undertaken an extensive drilling program within the Disturbance area, which has provided data on depth to groundwater and average salinity concentrations. Preliminary data

supplied to Greenloaning (M. Robertson *pers comm* 07/10/2022) indicates that groundwater levels are fairly constant at 24.7m with average total dissolved solids of 61 grams per litre.

5. Results of GDE Mapping Comparison

5.1 Results of DPI and EnviroKey Mapping of GDEs

The following maps have been attached to the email accompanying this document (maps have been produced as A3 Georeferenced PDF format):

- **Map 1** - High Probability (High Value) GDE mapping undertaken by DPE (2022a);
- **Map 2** - High Probability (High Value) PCT mapping by EnviroKey (2018 & 2020 work);
- **Map 3** – Low Probability GDE mapping undertaken by DPE (2022a);
- **Map 4** - Low Probability PCT mapping by EnviroKey (2018 & 2020 work).

The following tables provide the results of High Probability/High Value GDEs mapped by DPE (2022a) and as mapped by EnviroKey (2018 & 2020 mapping). The **PCTs mapped by both DPE and EnviroKey are distinguished in Tables 1-4 by * and blue shading (Note: For these PCTs, the mapped extent of each [ha] vary between the two data sources).**

Please note that there are discrepancies between the PCTs mapped by DPE (2022a) and those mapped by EnviroKey.

Table 1. High Probability Groundwater Dependent Ecosystems Mapped by DPE (2022a).

PCT_Name	Area (ha)
15 - Black Box open woodland wetland with chenopod understorey mainly on the outer floodplains in south-western NSW (mainly Riverina Bioregion and Murray Darling Depression Bioregion)	165.76
24 - Canegrass swamp tall grassland wetland of drainage depressions, lakes and pans of the inland plains	7.99
* 64 - Samphire - Water Weed - Sea-Heath shrubland saline wetland of depressions of the arid and semi-arid (warm) zones	577.98
65 - Halosarcia lylei low, open shrubland saline wetland of arid and semi-arid regions	0.93
153 - Black Bluebush low open shrubland of the alluvial plains and sandplains of the arid and semi-arid zones	2.64
* 157 - Bladder Saltbush shrubland on alluvial plains in the semi-arid (warm) zone including Riverina Bioregion	156.87
191 - Snap and Rattle Mallee - Moonah open mallee shrubland in the Murray Darling Depression Bioregion	17.13
* 221 - Black Oak - Pearl Bluebush open woodland of the sandplains of the semi-arid warm and arid climate zones	2.35
* 253 - Gypseous shrubland on rises in the semi-arid and arid plains	20.28

Table 2. High Probability Groundwater Dependent Ecosystems Mapped by EnviroKey.

PCT_Name	CONDITION	Area (ha)
64 - Samphire - Water Weed - Sea-Heath shrubland saline wetland of depressions	Mod-good	135.97
157 - Bladder Saltbush shrubland on alluvial plains in the semi-arid (warm) zone including Riverina Bioregion	Low	306.64
157 - Bladder Saltbush shrubland on alluvial plains in the semi-arid (warm) zone including Riverina Bioregion	Mod-good	251.57
221 - Black Oak - Pearl Bluebush open woodland of the sandplains	Mod-good	343.49
253 - Gypseous shrubland on rises in the semi-arid and arid plains	Low	217.88

*s missing?

Table 3. Low Probability Groundwater Dependent Ecosystems Mapped by DPE (2022a).

PCT_Name	Area (ha)
* 28 - White Cypress Pine open woodland of sand plains, prior streams and dunes mainly of the semi-arid (warm) climate zone	199.96
* 58 - Black Oak - Western Rosewood open woodland on deep sandy loams mainly in the Murray Darling Depression Bioregion	452.44
61 - Mitchell Grass - saltbush grassland/shrubland of the gibber downs of the arid climate zone	315.75
139 - Prickly Wattle tall open shrubland of dunes and sandplains of semi-arid and arid regions	118.08
143 - Narrow-leaved Hopbush - Scrub Turpentine - Senna shrubland on semi-arid and arid sandplains and dunes.	2.5
150 - Bottlewasher - Copperburr grassland of the arid zone	451.79
152 - Lunette chenopod shrubland mainly of the Murray Darling Depression Bioregion	1.29
* 154 - Pearl Bluebush low open shrubland of the arid and semi-arid plains	821.8
165 - Derived corkscrew grass grassland/forbland on sandplains and plains in the semi-arid (warm) climate zone	1.07
170 - Chenopod sandplain mallee woodland/shrubland of the arid and semi-arid (warm) zones	0.89
* 171 - Spinifex linear dune mallee mainly of the Murray Darling Depression Bioregion	25.98
215 - Woollybutt Grass open grassland on red earths of the inland plains	621.76
* 252 - Sugarwood open woodland of the inland plains mainly Murray Darling Depression Bioregion	2.1
254 - Black Oak - Bladder Saltbush on light clays in the arid zone	4.42

Table 4. Low Probability Groundwater Dependent Ecosystems Mapped by EnviroKey.

PCT_Name	CONDITION	Area
28 - White Cypress Pine open woodland of sand plains, prior streams and dunes mainly of the semi-arid (warm) climate zone	Very Low	4.3
58 - Black Oak - Western Rosewood open woodland on deep sandy loams mainly in the Murray Darling Depression Bioregion	Low	13.46
58 - Black Oak - Western Rosewood open woodland on deep sandy loams mainly in the Murray Darling Depression Bioregion	Mod-good	357.52
154 - Pearl Bluebush low open shrubland of the arid and semi-arid plains	Very Low	1048.48
154 - Pearl Bluebush low open shrubland of the arid and semi-arid plains	Low	0.56
154 - Pearl Bluebush low open shrubland of the arid and semi-arid plains	Mod-good	738
171 - Spinifex linear dune mallee mainly of the Murray Darling Depression Bioregion	Mod-good	520.6
252- Sugarwood open woodland of the inland plains	Low	2.51

*s missing???

6. Greenloaning Observations - Southern Disturbance Area Only

Map 5 depicts the results of Greenloaning Biostudies field observations, compared with:

- High Probability (High Value) GDE mapping undertaken by DPE (2022a).
- High Probability (High Value) PCTs as mapped by EnviroKey (2018 & 2020 work).

6.1 Key Results of Field Observations

Map 5 contains detailed notes that describe identified on-ground discrepancies with both DPE and EnviroKey mapping of GDEs in the detailed study area of the southern Disturbance Area.

Generally, vegetation mapping will most likely need to be at a finer scale to satisfy the current Biodiversity Assessment Method requirements. There are large areas of vegetation forming a mosaic of PCTs that will require more detailed survey work to determine more precise boundaries of vegetation communities.

The following key observations are made regarding the mapping of High Probability/High Value/High Priority GDEs by DPE (2022a & 2022b, EnviroKey):

- Looking west from CM 11, CM 15 and CM 16 (**Map 5**) Greenloaning observations do not clearly indicate the dominance of PCT 64 (DPE) or PCT 154 (EnviroKey) in this area. Observations suggest a mosaic of communities that includes PCT 157 (Bladder Saltbush present);
- Where aquatic areas have receded, the bottom and edges of these 'lakes' show no evidence of plant growth, most likely due to hypersaline conditions;

- In most areas, the EnviroKey Mapping is generally more accurate in mapping the PCT 64 'fringes' around aquatic areas than the DPE (2022a) mapping which tends to map the whole area as PCT 64 with no allowance for areas of semi-permanent water (**Map 5**);
- Observations from point CM 9, near the 'Pink Lake' (**Map 5**) showed that the DPE (2022a) mapping was more accurate in this area, especially in relation to mapping the 'fringes' of PCT 64 around waterbodies;
- The EnviroKey mapping has not mapped some areas of PCT 64 that were evident during the September 2022 field observations. An example of this is areas of PCT 64 adjacent to PCT 157 and PCT 253, in proximity to Greenloaning observation point CM 8, as shown on **Map 5**;
- An area near CM 3 was mapped as 'Aquatic' by EnviroKey but was found to be dry and covered in a herbfield/grassland. Greenloaning conducted a floristic plot survey within this area to assist with determining the most relevant PCT; and
- DPE (2022a) mapping had identified areas of PCT 24 at CMGBAM3 (**Map 5**) but this Canegrass dominated PCT was not evident during the 2022 field inspections. A floristics plot was established at this location to assist with determining the PCT (most likely PCT 253).

6. Depth to Groundwater and Salinity Levels

RZ data from the drilling program indicate average potential salinity levels of 61 grams per litre (g/l). This is considered to be a hypersaline environment that is almost twice the salinity levels of seawater. In some parts of the Disturbance Area, the topography drops down to about the level of groundwater at 24.7m.

It is important to understand the ability of plants to utilise hypersaline groundwater when considering whether a PCT has the ability to be groundwater dependent. Below are the results of Greenloaning's preliminary investigations into the salt tolerance of plants that are indicative of the PCTs that have been mapped as groundwater dependent, noting the following:

- For the purpose of understanding whether indicative plants could survive when utilising hypersaline groundwater, millisiemens per meter (mS/m) have been used as the unit of measurement (as most information is only available in this unit).
- For comparison purposes, the average total dissolved solids figure of 61 g/l for Disturbance Area groundwater has been converted to 10,167 mS/m.

The guide to salinity tolerance levels of plants have been sourced from the Department of Primary Industries and Regional Development (DPI&RD WA), (2022), and are as follows:

- Extremely saline sites = >1,600 mS/m
- Very saline sites = 800-1,600 mS/m
- Moderately saline sites = 400-800 mS/m

Table 5. The salt tolerance of indicative species for High Probability GDEs within the Disturbance Area

PCT No.	PCT Name	Indicative species	Salt Tolerance (mS/m)	Reference
15	15 - Black Box open woodland wetland with chenopod understorey mainly on the outer floodplains in south-western NSW (mainly Riverina Bioregion and Murray Darling Depression Bioregion)	*Eucalyptus largiflorens* (Black Box)	Very tolerant 800-1,600	Agriculture Victoria (2022)
24	24 - Canegrass swamp tall grassland wetland of drainage depressions, lakes and pans of the inland plains	*Eragrostis australasica* (Canegrass)	No information	N/A
64	64 - Samphire - Water Weed - Sea-Heath shrubland saline wetland of depressions	*Halosarcia pergranulata* subsp. *pergranulata*	Extremely tolerant 2,700-6,500 mS/m Extremely tolerant 7,000-10,000 mS/m	Ismail, S, Malcolm, C.V & Ahmad, R (1990) DPI&RD WA (2021)
65	65 - Halosarcia lylei low, open shrubland saline wetland of arid and semi-arid regions	*Halosarcia pergranulata* subsp. *pergranulata*	Extremely tolerant 2,700-6,500 mS/m	Ismail, S, Malcolm, C.V & Ahmad, R (1990)
153	153 - Black Bluebush low open shrubland of the alluvial plains and sandplains of the arid and semi-arid zones	*Maireana* spp.	Very Tolerant 600-1,100 mS/m	Barrett-Lennard, E.G, Bennett, S. J & Altman, M (2013)
157	157 - Bladder Saltbush shrubland on alluvial plains in the semi-arid (warm) zone including Riverina Bioregion	*Atriplex vesicaria* (Bladder Saltbush)	Extremely Tolerant Up to 5,000 mS/m Very Tolerant 800-1,600 mS/m	Mahmood, K. & Malik, K. A (1987) Agriculture Victoria (2022)
191	191 - Snap and Rattle Mallee - Moonah open mallee shrubland in the Murray Darling Depression Bioregion	*Melaleuca lanceolata* subsp. *lanceolata*	Very tolerant 800-1,600 mS/m	Agriculture Victoria (2022)
221	221 - Black Oak - Pearl Bluebush open woodland of the sandplains	*Casuarina pauper* (Black Oak)	Very tolerant 800-1,600 mS/m	Agriculture Victoria (2022)
253	253 - Gypseous shrubland on rises in the semi-arid and arid plains	*Maireana* spp.	Very Tolerant 600-1,100 mS/m	Barrett-Lennard, E.G, Bennett, S. J & Altman, M (2013)

7. Discussion

7.1 Vegetation Mapping

A general comment on vegetation mapping is that it will most likely need to be at a finer scale to satisfy the current BAM (DPE, 2020) requirements. There are large areas of vegetation forming a mosaic of PCTs. More detailed survey work would be required to determine limits of PCTs/GDEs.

The above situation is most evident where DPE (2022a) have mapped large areas of PCT 64 and EnviroKey have mapped large areas of PCT 157. Both of these PCTs are mapped as High Probability GDEs (**Map 5**).

7.2 Salinity Tolerance and Groundwater Levels

It is likely that there are two main factors in determining High Value/High Probability GDE occurrence, in the study area, as follows:

1. Depth to groundwater,
2. Topography, and
3. Groundwater salinity levels and the ability of identified PCTs to utilise hypersaline water.

Information supplied from the drilling program (M. Robertson *pers comm* 7/10/2022) indicates that the groundwater present under the Disturbance Area is almost double the average salinity of seawater (33-38 g/l or 5,500-6,300 mS/m for seawater cf. 61 g/l or 10,167 mS/m for groundwater within the Disturbance Area).

The majority of the areas mapped as High Probability of GDE by DPE are located within the Digital Elevation Model (DEM) (ICSM, 2022) range of around 24m - 34m. Data collected from the RZ drilling program estimates a consistent groundwater level, across the Disturbance Area of approximately 25m.

Depth to groundwater becomes almost redundant as a means of determining whether a PCT is groundwater dependent, when the salinity levels of the groundwater are much too high to support the plants of that PCT.

Table 5 demonstrates that even the most salt tolerant species (Samphires - 2,700-6,500 mS/m) would be at the limit of their ability to survive if forced to access hypersaline groundwater with an average electrical conductivity of 10,167 mS/m. DPI&RD WA (2021) reports that an uncited study in Western Australia demonstrated salinity tolerance for *Halosarcia pergranulata* subsp. *pergranulata* of 7,000-10,000 mS/m but that would be at the extreme limit of their ability to survive hypersaline groundwater.

7.3 Likely Overall Impacts on GDEs

The groundwater below the Disturbance Area has an average electrical conductivity of 10,167 mS/m. It is very unlikely, that most of the indicative plants listed in **Table 5** could tolerate such groundwater.

The PCT with the greatest likelihood of being able to utilise hypersaline groundwater is:

- PCT 64 - Samphire - Water Weed - Sea-Heath shrubland saline wetland of depressions (using *Halosarcia pergranulata* subsp. *pergranulata* as an indicator species – extreme tolerance 2,700-6,500 mS/m).



Photograph 1. Facing South from CM 9 with PCT 64 fringing the playa and on elevated areas.



Photograph 2. Facing North from CM 9 with PCT 64 fringing the playa and on elevated areas.

Samphire is present in the area, particularly around the margins of saline lakes and on the elevated areas (**Photograph 1 & 2**)

Ferguson *et al* (1997) states that in the Nulla Groundwater Discharge Complex, saline lakes similar to those that occur in the Disturbance Area, contain salts mainly from the evaporation of groundwater discharge. Ferguson *et al* (1997) comment that most drainage into the lakes, is from subsurface discharge (groundwater) and that local precipitation causes some minor contribution through runoff and seepage from adjacent aeolian dunes.

Photograph 2 clearly shows the extent of the salina (salt lake) with the shallow water level approximating the lowest point on the DEM, at around 24m. The groundwater level is estimated to be approximately 1m above the base of the lake, indicating a correlation with groundwater discharge. The elevation at Greenloaning Biostudies observation point CM 9 was recorded as approximately 30m.

The whiter areas of the playa (dried area of the salina) are clear in **Photograph 2** and most likely represent the 'ephemeral crust' of halite (salts), with a further, unvegetated, fringe of gypsite and other minerals as described by Ferguson *et al* (1997). The halite area and the unvegetated fringe occur within approximately 24-26m elevation.

It is estimated that the majority of the Samphire vegetation is present at elevations above 26m. That is, between 26m and 30m at this point (CM 9). There is, essentially, no vegetation at less than 26m elevation, or within 1m of the groundwater table.

Barret-Lennard *et al* (2013) found that depth to the saline watertable for good growth and survival was 0.7–1 m and salinity of 2,700–6,500 mS/m. The difference between the vegetated areas and groundwater levels is approximately 1m, which correlates with the maximum rooting depth for survival of Samphire.

Botanica Consulting (2018) observed that some *Halosarcia* sp. roots growing in extreme salinity conditions were restricted to the upper sandy loam soil layer. At about 20 centimetres into the soil, vertical root penetration was retarded and lateral roots started to spread.

The exclusion of PCT 64 from low-lying areas below 26m indicates that this community cannot utilise groundwater with salinity levels such as those present in the Disturbance Area.

It is therefore, even more unlikely that the other high probability GDEs identified by DPE would survive if forced to access groundwater with such extreme salinity levels.

8. Conclusions and Recommendations

The following conclusions and recommendations have been reached through preliminary investigations by Greenloaning Biostudies:

- Vegetation mapping will need to be at a finer scale to satisfy the current BAM (DPE, 2020) requirements. There are large areas of vegetation forming a mosaic of PCTs. More detailed survey work would be required to determine the presence of any GDEs.
- The most salt tolerant species *Halosarcia pergranulata* subsp*. pergranulata,* which is an indicator species for PCT 64, is not likely to be able to utilise groundwater with such extreme salinity levels of 61 g/l (10,167 mS/m).
- Groundwater within the Disturbance Area is likely to be too saline to support other, less salinity tolerant plant community types as GDEs.

- The model for High Probability GDEs, as mapped by DPE, does not consider the salt tolerance of plants, within PCTs.
- This preliminary work establishes that the High Probability GDE mapping by DPE, is inadequate as a basis for determining the definite existence of GDEs in the Disturbance Area.
- Further field-based research, to establish such factors as soil profile salinity, rooting depth, location of extremely salt tolerant plants, elevation and depth to groundwater would be required to confirm that PCTs within the Disturbance Area, are groundwater dependent.

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A-11 Survey of Austrostipa nullanulla (Club Spear-grass) Dr John Hunter Expert Report

Survey of *Austrostipa nullanulla* (Club Spear-grass)

Document Prepared by
Dr John T. Hunter
Assisted by Phil Grant

For Biodiversity Australia
2025



Austrostipa nullanulla

Nulla Station 2025

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1. INTRODUCTION

Biodiversity Australia requested John Hunter to survey for the threatened species *Austrostipa nullanulla* within pre-arranged accessible properties and report on:

a. Collated existing information of the species including the expertise gained by Phil Grant based on his observations and experiences,
b. The distribution of the species,
c. The habitat of the species,
d. The estimated population and area of occupancy,
e. Other relevant information that may assist the conservation of the species.

Background

Stipa nullanulla was first described (Everett & Jacobs 1983) as being similar to but differing from *Stipa eremophila* by its glabrous and shorter lemma and long ciliate ligules and from *S. vickeryana* by the courser folded leaves with a more constricted inflorescence and longer lemma and awn. The species was described as being restricted to gypsum rises and to the shelter of shrubs but otherwise grazed out by rabbits and sheep. At the time of description, the species was thought to be limited to the bounds of Nulla Nulla Station with the earliest collection cited occurring in 1975. The habitat of the type specimen being Saltbush, Mallee, and *Myoporum* sp. In 1996 the species was transferred to the new genus *Austrostipa* (Jacobs & Everett 1996) and placed within the subgenus *Lanterna* (Jacobs & Everett 1996) with *Austrostipa nullanulla* being the type with *A. lanata* and *A. vickeryana* also being included. The subgenus being distinguished by a shiny, glabrous (or almost so) lemma. The subgeneric name Lanterna referring to the bright and shiny lemma.

Austrostipa nullanulla is known to occur within South Australia (SA), Victoria, and with its largest known populations within New South Wales (NSW). Pressey et al. (1990) in an assessment of threat status, considered the species restricted with a small range and few records interstate but not currently threatened (Category 3A). It has been listed as Vulnerable under the South Australian *National Parks and Wildlife Act 1972* and as Endangered originally under the NSW *Threatened Species Conservation Act 1995,* but now as Endangered under the NSW *Biodiversity Conservation Act 2016.*

The species is currently reserved within the Murray-Sunset National Park, Towan Plains National Park, and Lake Gillies Conservation Reserve. As with congeners, dispersal is believed to be via seed, by wind and rain, and may have a viability of three to five years (DECC NSW 2005).

Threats have been listed as grazing and browsing by rabbits, domestic stock, kangaroos, and warren building by rabbits (DECC NSW 2005). Also listed as threats are mining of gypsum deposits, the naturally restricted soil type, increases in watering points and increasing grazing pressure, along with agricultural cultivation (DECC NSW 2005), and off-road vehicles (Pobke 2007).

An amendment to the inclusion of the species within the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act) on the 10 August 2010 suggested that there was no data to assess any reduction in population size. Additionally, there was insufficient information on the extent of occurrence and therefore not enough information to assess the threat of extinction. Within the Eyre peninsula in SA there is an estimated 10,000 individuals (Pobke 2007), and 200,000 within Nullla Nulla Station in NSW (with 110,000 tussocks within a total grazing exclosure established in 2001), and 2000 individuals in Victoria (DECC NSW 2002; 2005). Based on this information the Threatened Species Scientific Committee recommended removal of Vulnerable status from the *EPBC* Act (Beeton 2010). Bionet NSW (OEH *Austrostipa nullanulla* species profile https://threatenedspecies.bionet.nsw.gov.au/profile?id=10081) currently list the species as being from four sites within Nulla Nulla Station, (two from the same lunette ca. 60,000

tussocks), the type location to the south with 10 plants and another lunette south-west with a further 60,000 (ca. 120,000 in total), though the current estimate for Nulla Nulla Station is listed as 200,000 individuals. The management actions listed for the species in NSW include (**priority)**:

- The use of management agreements and incentives on private and leasehold land to manage total grazing pressure through such actions as fencing of populations, removal of artificial water points, and feral and native herbivore control. **Medium.**
- Establish and maintain herbivore proof fencing at sites with significant populations (may have added benefit by preventing accidental damage through other means such as road-maintenance). **High.**
- Using current records and literature on habitat requirements to determine the current distribution and identify areas of potential habitat to undertake survey and management actions. **Medium.**
- Undertake an annual monitoring program at both fenced and unfenced locations to determine the condition of plants and fencing and the effects of management actions. **High.**
- Undertake studies on the biology, habitat requirements, and potential threats on the species, and incorporate results into future management actions. **Medium.**

Currently the Atlas of Living Australia (ALA, accessed 11/12/2025) contains 160 records of *Austrostipa nullanulla,* some of which appear to be duplicate records, and many have the location withheld due to the threatened species status. The locations within ALA, including verified herbarium samples, indicate that the species is known within NSW beyond Nulla Nulla Station. Very little information is contained within these records, with most describing plant height, and few indicating population numbers, general habitat, or associated species. Notes given in ALA state:

Population size:

- 150 in stand scattered plants. Total about 200.
- About 150 plants.
- Stand c. 200 m long, several 1000 plants.
- Very localised. 100 plants in 10 x 10 m.
- About 200 plants.
- Some older tussocks found, mostly dead, but occasionally with shoots. Nearly all plants recently germinated ca. 15-25 tussocks per m2. About 300 plants present.
- 400+ plants growing as the dominant understorey.
- Area 250 m long, 10-20 m wide, more than 1000 plants.
- Relatively large stand.
- Occasional plants scattered through area.
- Uncommon.

Habitat:

- Disturbed gypsum mounds. Regrowth on coarse gypsum.
- Sporadic on gypsum.
- W facing Copi dune with barely any other vegetation. Mallee above and *Dodonaea* shrubland below.
- Copi lunette, soil pure Copi (flour gypsum). *Haloscarcia pergranulata, Bromus ruben,* & *Dissocarpus paradoxa* around edge.
- N facing Copi dune.
- Reddish grown sand on Copi rise with gypsum. Mallee scrub. *Eucalyptus socialis, E. leptophylla, Zygophyllum aurantiacum, Brachyscome ciliaris, Maireana erioclada, Nitraria billardierei, Brachyscome lineariloba, Lawrencia glomerata.*
- NE facing Copi dune

- W Facing Copi dune. Monospecific stand.
- Cypseous dune, consolidate dune.
- N facing Copi dune
- N facing Copi dune with *Zygophyllum* and *Halosarcia.*
- *Zygophyllum* sp. *Heterodendron* sp. *Casuarina pauper, Maireana sedifolia.*
- On calcareous gypsum white soil between red sand dunes. *Calytrix gypsopila, Atriplex* sp. *Maireana* sp.
- On crest of large lunette of flour gypsum (Copi) with *Zygophyllum aurantiacum* & *Frankenia foliosa*.
- *Atriplex versicaria – Lycium australe – Zygophyllum eremaeum* shrubland with *Maireana pyramidata*. Brown clay sand with gypsum overlay on crest above salt claypah.
- Edge of small salt lake, pale sand.
- Lunette of salt lake, whitish saline deposits on soil.
- Sand ridge around salt pan, *Zygophyllum, Maireana, Scaevola.*
- Adjacent to salt lake, Copi dunes
- On western side of large lunette of flour gypsum (Copi). With *Atriplex vesicaria* & *Zygophyllum aurantiacum*.
- Near Salt lake with *Sclerostegia arbuscula, Darwinia salina, Angianthus glabratus* and *Acacia papyrocarpa*.
- On large lunette of flour gypsum (Copi).
- Saltbush, Mallee, *Myoporum* sp.
- Kopis. Scattered Belah, dense Black Bluebush, poor herbage and pasture. Only grass sp. Growing on Copis. Soil highly gypseous, shallow topsoil.
- Lunette of salt lake, pale sand.
- *Atriplex vesicaria – Zygophyllum auranticum* scrubland with *Maireana pentatropis, Ausrostipa nullanulla* & herbs. White gypsum on crest of lunette.
- Disturbed gypsum mounds. Regrowth on pure coarse gypsum.
- W side of lunette of flour gypsum (Copi) with *Angianthus tomentosus, Eucalyptus gracilis*.
- Kopi country.
- Copi lunette, soil pure copi with *Nicotiana glauca, Halosarcia pergranulata, Eucalyptus Dumosa,* and *Sonchus* sp.
- Open chenopod Mallee, Yamba formation gypsum.
- Copi lunette, soil pure Copi (flour gypsum). *Halosarcia pergranulata, Bromus rubens* & *Dissocarpus paradoxa*.
- Gypseous plain, shrubland dominated by *Tecticornia* spp.
- On gypseous rise (Copi) *Atriplex vesicaria, Halosarcia ptergosperma, Brachyscome cilaris* & *Maireana erioclada*.
- Grows on pure Copi dune
- Western aspect of gypseous/copi rise. Powder gypsum with an obvious thick cryptogamic crist.
- Gypseous plain, dominated by samphire shrubland.
- W side of lunette of flour gypsum (Copi) with *Angianthus tomentosa, Eucalyptus gracilis.*
- Open *Eucalyptus socialis – E. leptophylla* Mallee woodland with *Rhagodia crassifolia, Roepera aruantiaca, Maireana erioclada.* Yamba formation powder gypsum.
- Open grassland. A west facing gypseous rise. Yamba formation powder gypsum.
- Gypseous lunette with *Eucalyptus oleosa*. Gypseous light clay Copi rise with hard setting surface and westerly aspect.
- Gypseous ridge above *Halosarcia* flats.

While notes on populations are sparse, there is indication that in any one location numbers are often in the hundreds and at times described in the 1000s. In terms of habitat all

descriptions are unified in describing gypsum as the substrate, though sometimes as loose and powdery (Copi) or with a hard crust (biocrust). Notes largely describe dunes/lunettes and less commonly as plains of gypsum. The species has been described as monodominant; however it also commonly occurs with various Mallee communities, Saltbush and more rarely Belah.

Austrostipa nullanulla is currently listed as a site-managed species under the NSW Saving Our Species project. Funds within 2014-2015 were spent on installation of cages at other known locations away from Nulla Nulla Station to allow the species to seed, and to help in positive identification (Saving Our Species Annual Report Card 2014). Funds within the 2015-2016 year included population monitoring within the exclosures on Nulla Nulla Station. The population was deemed to be stable within 2.77 ha of exclosures, with an estimated 20-30,000 individuals (Saving Our Species Annual Report Card 2015).

In addition to the published notes, a number of unpublished experiments have been undertaken by Phil Grant in the Wentworth-Mildura area. All plant material was collected in accordance with Victorian and NSW non-commercial cultivation guidelines. These experiments largely comprised the placing of collected seed within different substrate types to assess the species ability to grow on varying qualities of gypsum, and on other non-gypseous soil types (Figure 1). This included growing seed within potting mix and sand. The results indicated that the species could grow and set seed in non-gypsum soils, although these observations have not been documented in natural populations to date.

Gypsum endemics

The mineral gypsum is rarely seen on the surface anywhere except in deserts, however it has been found across 112 countries (Cera et al. 2023). Gypsum occurs where a CaSO4 molecule is chemically combined with two water molecules to form a crystal. It is a highly soluble mineral so will only accumulate or become exposed in dry environments. These soils are high in sulphur and calcium which reduces the availability of some macronutrients, and due to limited clay and organic matter many other plant nutrients are also of low availability particularly nitrogen and phosphorous (Cera et al. 2021; 2023). Both soil and nutrient availability are strongly seasonal especially in Mediterranean climates (Cera et al. 2021). These strong physical and chemical characteristics make gypsum soils highly stressful environments and have led to the evolution of many specialist endemics species (Sluiter 2010; Cera et al. 2023; Modeoz Fernandez et al. 2023). These endemic species known as gypsophytes (Duvigneaud & Denaeger-De Smet 1968) have evolved independently across five continents (Cera et al. 2023).

Plants that grow on gypsum soils have been categorised into two groups; those that are habitat specific (gypsophytes) and those that are not specialists but grow on gypsum due to broad tolerances and/or avoiding competition (gypsovags) (Duvigneaud & Denaeger-De Smet 1968; Luzuriaga et al. 2020). Studies have shown that there are a number of strategies that gypsophytes use to enable them to survive on this harsh substrate. Gypsophyiles have shown convergence in accumulating a high sulphur, calcium content within leaves and high magnesium across the whole plant (stems and course roots) but less phosphorous and nitrogen compared to gypsovags (Palacio et al 2007; Muller et al. 2024). Cera et al. (2023) found that gypsophytes used sulphates to manage calcium accumulation and safeguard phosphorous depletion. The accumulation of sulphur, gypsum, and oxalate crystals within the plants has been suggested to reduce comparative palatability (Palacio et all 2014; Cera et al. 2022).

Water crystallization within gypsum is known to account for up to 20.8% of gypsum by weight and is the key water holding mineral on Mars (Palacio et al. 2014). Accessing this crystallized water helps gypsophytes remain active during intense droughts and has been shown to account for 70-90% of water used by shallow rooted species (Palacio et al. 2014; de la Puente et al. 2022) and are less responsive to greater water availability (Luzuriaga et al. 2020).

Satellite imagery has shown vegetation on gypsum soils in arid areas are more productive and less seasonal than vegetation on adjacent soils (Cadenas 2015).

Cera et al. (2021) found that all gypsophytes studied were able to complete their lifecycles in non-gypsum soils and were able to produce viable seeds and attain greater biomass and higher photosynthetic assimilation rates. Both in and out of gypsum soils gypsophytes had higher unique chemical signatures, more sulphur, magnesium, and lower leaf potassium than gypsovags (Cera et al. 2021). From a demographic and distributional perspective gypsophytes commonly have short distance dispersal mechanisms and a clustered spatial pattern (Escudero et al. 2015; Parelta et al. 2023).

An additional aspect of gypsum soils worldwide is the propensity to form diverse soil crusts of cyanobacteria, lichens and mosses (Escudero et al. 2015). These crusts play important roles in assisting gypsum occurring higher plants by being drivers of carbon and nitrogen cycling, assist in water infiltration and soil stability (Escudero et al. 2015).

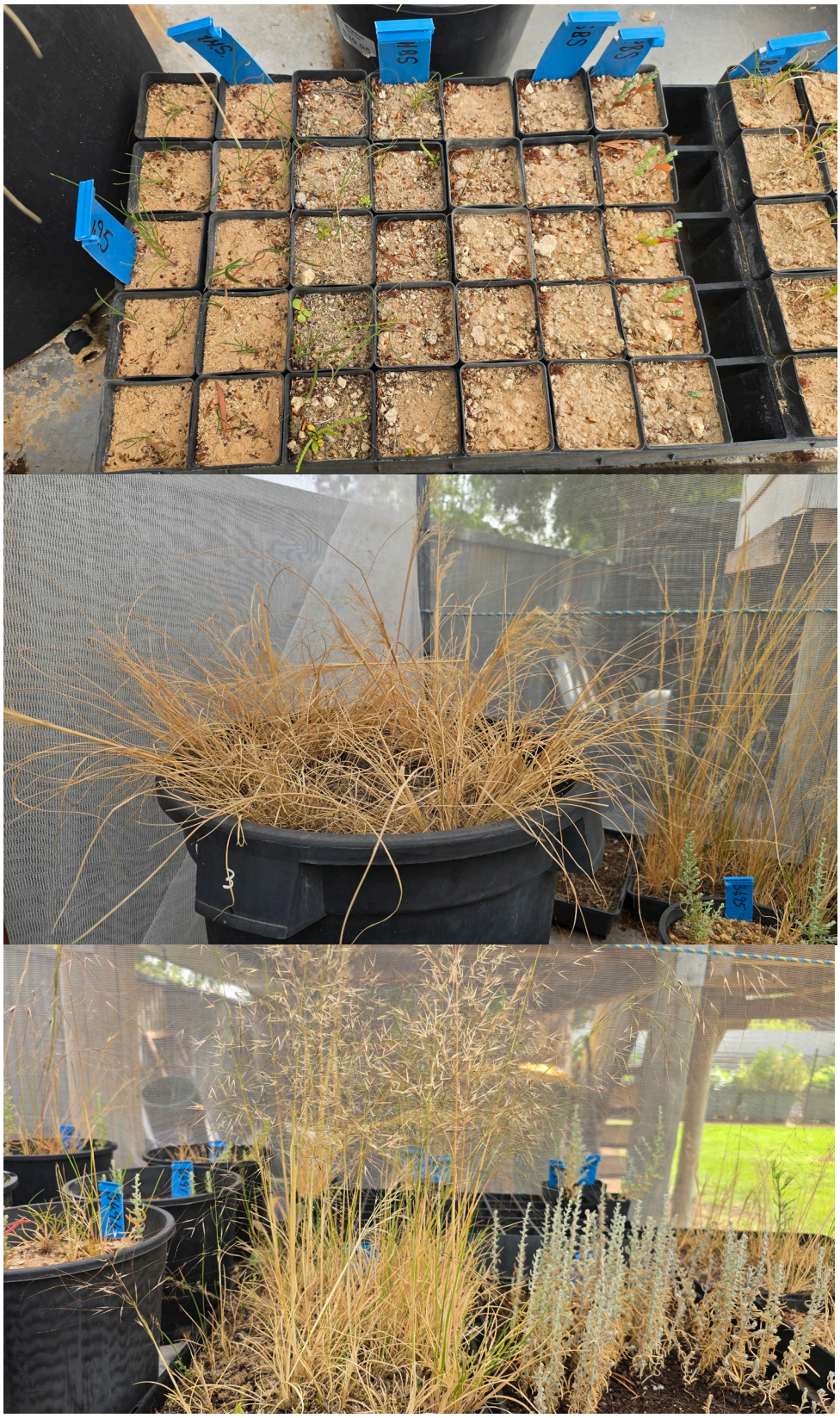


Fig. 1. Experiments growing *Austrostipa nullanulla* within different soil types. *Austrostipa nullanulla* was found to grow and set seed in a variety of soil types.

2 METHODS

A survey of known and potential sites containing *Austrostipa nullanulla* was conducted over five days from 14 to 18 November 2025. On each day a different property was assessed, spanning the likely distribution of the species based on known records and visual assessment of habitat from remote imagery. The first two days were spent at locations within Warwick Station and Nulla Nulla Station (including the exclusion plot) where the species had been positively identified These initial surveys were focussed on becoming familiar with the clear identification features of fruiting, non-reproductive and seedling features of the grass (Figure 3).

At each location, a selection of areas appearing to be dominated by gypsum were visited. Randomly placed 5 x 5 m plots were established to assess the number of individuals present. Plots were also randomly placed in areas where it appeared no *Austrostipa nullanulla* were growing at the site. All plots were marked out by the placement of a 20 m length of cordage around four corner pegs, ensuring a consistent 25m^2 was surveyed. All plots were surveyed by the same two staff (JTH & PG) with one staff searching for 'mature' individuals and the other staff searching for newly sprouted seedlings. Random plot placement was intended to avoid bias when assessing population size.

The population estimate for *A.nullanulla* (restricted to the far south-west corner of NSW) was calculated via an extrapolation process. Plot locations were randomly positioned, thus encompassing areas where the species occurs in varied densities, and also where the species is absent. Tussock densities within plots ranged from one per 5 x 5 m plot to 400+ per plot. Samples contributing to the estimated NSW population size were collected from all known mapped locations, across the known distribution of the species. The calculated species count and area covered by all 5 x 5 m plots was then extrapolated onto the mapped species polygon area which covers 675 ha of suitable habitat for the species.

Landscape and site-scale population estimates were calculated by considering a range of factors including historic records and notes, on-ground observations at all 5 survey locations, geomorphology, local knowledge, satellite and aerial imagery and data from recent surveys at Warwick Station for the Copi Mineral Sands Project. At sites where *A.nullanulla* forms extensive stands (e.g., Nulla Nulla exclosures) plots were established across population gradients to refine density estimates and spatial patterns. Stand boundaries and patch extents were mapped using high-accuracy GPS and high-resolution imagery. This data underpins population size estimates for each of the sites and the extrapolation across suitable habitat, contributing to regional and range-wide species abundance estimates.

Mapping of habitat was conducted by visual interpretation of exposed gypsum deposits with reference to locations visited on foot and sampled via plots using ESRI World Imagery (WGS84 - Vantor, Earthstar Geographics, and the GIS User Community) within ArcGIS pro. Caveats to mapping include both over and under-mapping polygons depending on the nature of the gypsum deposits and the level of surface exposure (Figure 4).



Fig. 2. Example of 5 x 5m plot used to assess population size.



Fig. 3. A number of features enable the species to be recognised in the field when fruiting and when non-reproductive, including via strongly incurved and distinctly veined leaves as juveniles, and via ligule hairiness.

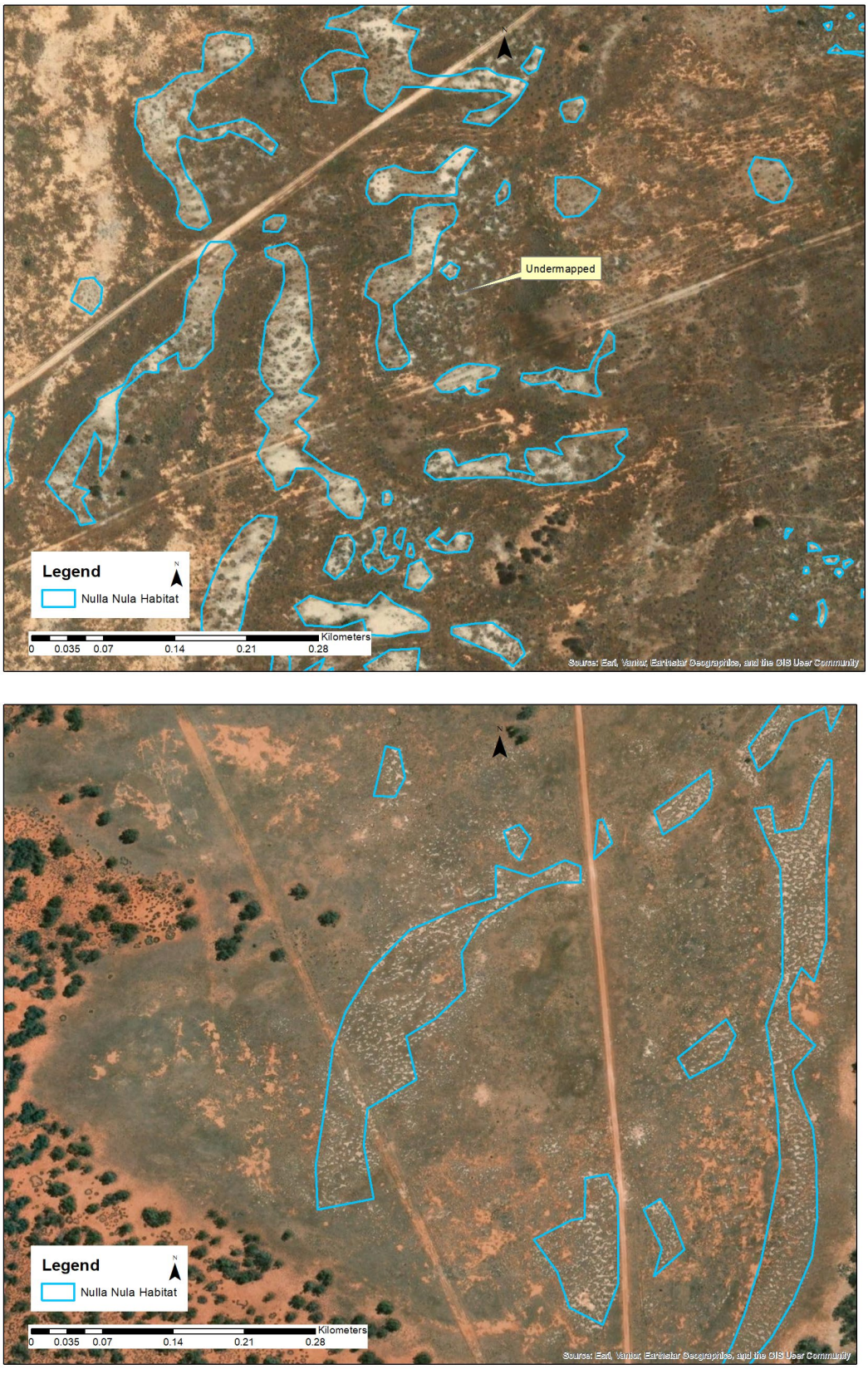


Fig 4. Above - Area where small patches were undermapped. Below - Example of both over mapping and undermapping. In this example gypsum deposits were exposed within a lakebed in a gilgai (golf ball surface) type formation. The individual 'outcroppings' were too small and too numerous to be mapped individually, and therefore a broader mapping approach over the collective 'outcroppings' was adopted; this resulted in the less dense or less obvious areas not being mapped. This was an uncommon feature.

3 RESULTS

A total of 108 plots were placed across five properties (Naya Station, Nulla Nulla Station, Warwick Station, Bells Grove, and Oakbank) with 11,646 individual tussocks counted (Figures 5-9). The highest number of individuals within a 5 x 5 m plot was 490 tussocks and 17 plots were found to have no tussocks. The mapping area amounted to 675 ha with an area of occupancy within NSW and an extent of occurrence of about 120 km north south and 50 km east west (approximate extent of occurrence polygon of 2,863 km^2). Based on the plot counts and mapping, it is estimated that the population within NSW could be in the order of 30 million individuals.

Habitat

Austrostipa nullanulla was mostly found on exposed gypsaceous soils most commonly associated with dunes/lunettes of lake beds. However, gilgai-like exposed gypsum within lake beds were also found to have this species present (Figure 10 & 11). In a broader context, the habitat was found associated with a number of vegetation types including Mallee (*Eucalyptus* dominated), Saltbush (*Maireana* and *Tecticornia*), Belah (*Casuarina pauper*), Rosewood (*Alectryon oleifolius*) and low open shrublands (*Roepera* and *Frankenia*) (Figure 10). However, more generally these broader vegetation types occur most commonly only as adjacent communities, with *Austrostipa nullanulla* occurring separately as monospecific stands of low sparse grassland (Figure 10). These areas generally had a hard surface with a diverse cryptogamic crust layer (Figure 12). Although described from copi – flour gypsum, *Austrostipa nullanulla* was rarely found on the powdery/flour gypsum which sometimes occurred at the base of lunettes. The in-tact copi is considered to provide suitable habitat for the species, however the loose powdery (like talcum powder) form of copi appears to provide poor unsuitable habitat, and more data is required to confirm or disprove this hypothesis.

Grazing

The only location during the entire survey that had substantial patches of mature and fruiting material was within the exclosure at Nulla Nulla Station (Figure 13). In all other visited locations, *Austrostipa nullanulla* was grazed very heavily with only a few individuals either escaping grazing allowing them to grow to full or near full height or were found to be reproductive even when a few centimetres tall (Figure 14).

Additional Threats

Austrostipa nullanulla in most instances was restricted to pure gypsum surfaces and any addition of other soil types over this surface restricted its occurrence. This was not universal and, in some instances, even a depth of silt and sand likely greater than the rooting depth still had tussocks of the species (Figure 15). Based on these observations it is likely that increased deposition of silts and sands over exposed gypsum will reduce the potential suitable habitat for this species.

Due to the harsh conditions of growing on pure gypsum soils, it is likely that weed invasion is generally not a major threat across most of the species' distribution. However, in a few locations *Asphodelus fistulosus* (Onionweed) and *Nicotiana glauca* (Tree Tobacco) were found to be competing well on gypsum and likely reducing tussock occurrence and population sizes (Figure 16).

Rabbits are already listed as a threatening process as they prefer the soft gypsum soils for their burrows. However, more extensive damage was seen to be caused by mechanical ripping of dens. Much larger areas than affected by dens was damaged by this eradication method (Figure 17).

The breaking of gypsum hard surfaces and destroying of cryptogamic crusts by trampling and vehicle traffic can reduce population numbers where this is extensive (Figure 18).

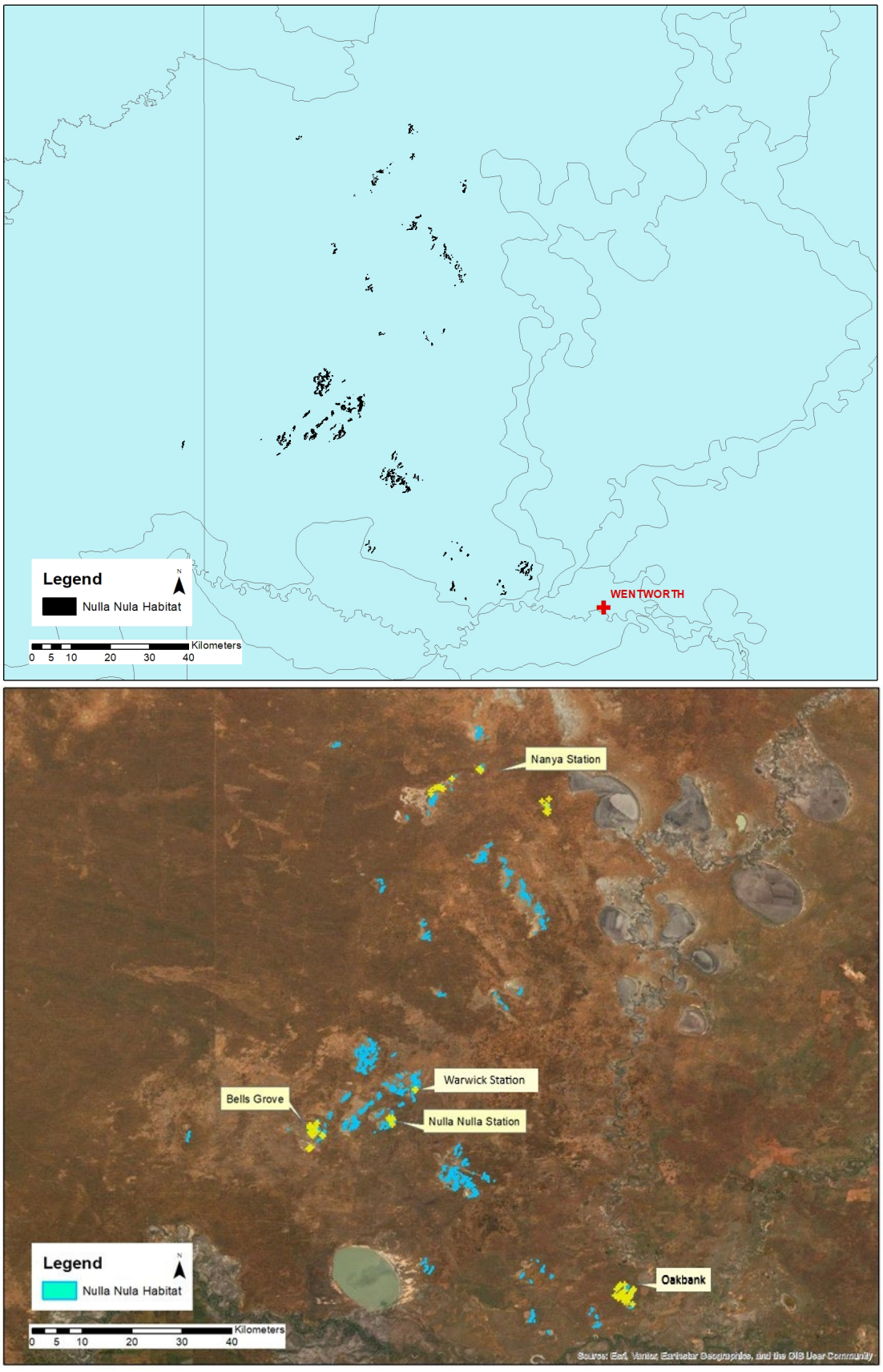


Fig. 5. Above - Total mapping of potential *Austrostipa nullanulla* habitat which is restricted within the Murray Darling Depression (South Olary Plain) Bioregion. Below - Plot locations (yellow) and properties visited.

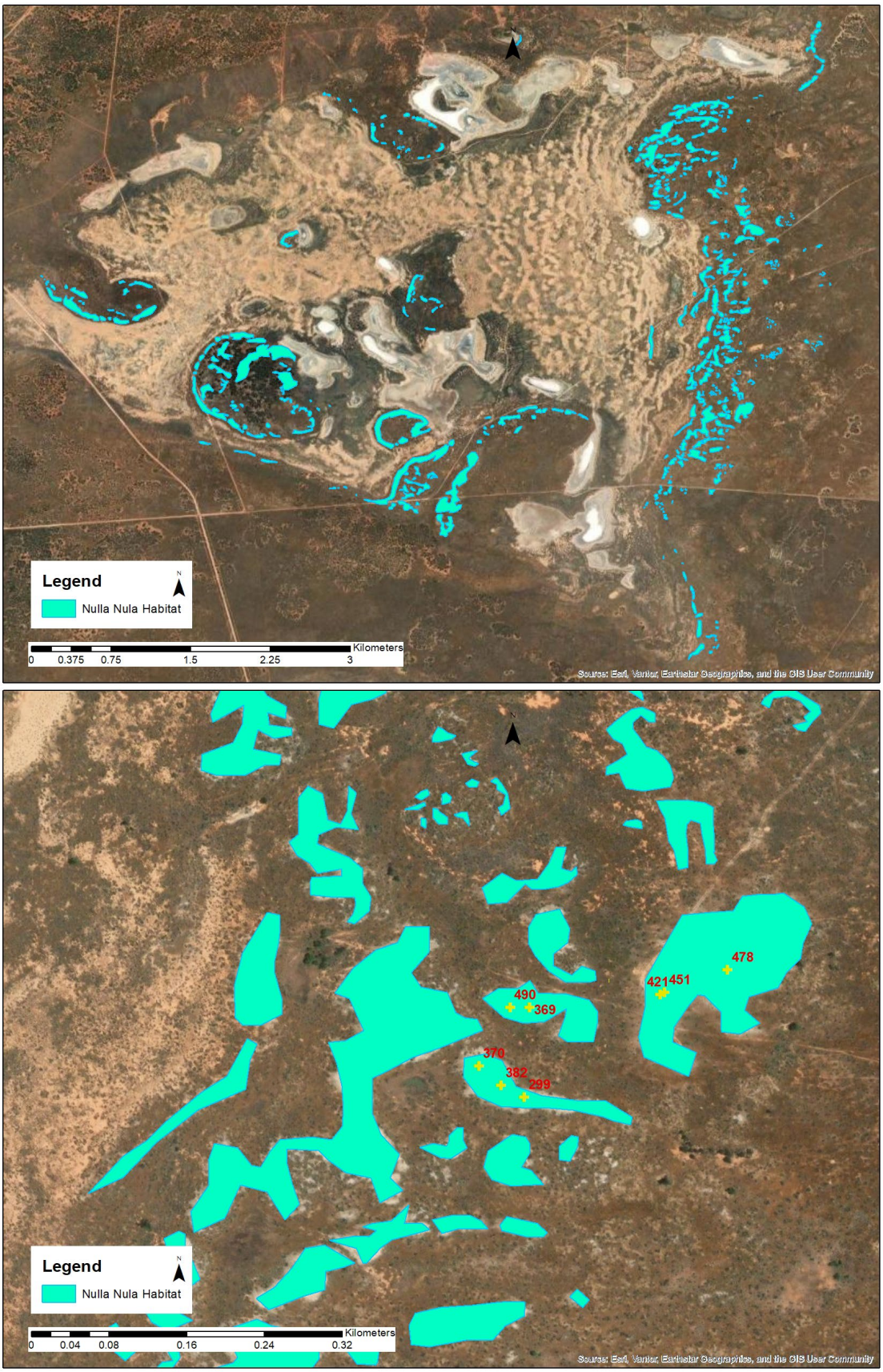


Fig. 6. Above - Mapping of *Austrostipa nullanulla* habitat within Warwick Station. Below - Plot placement and the number of individuals found within 5 x 5 m plots.

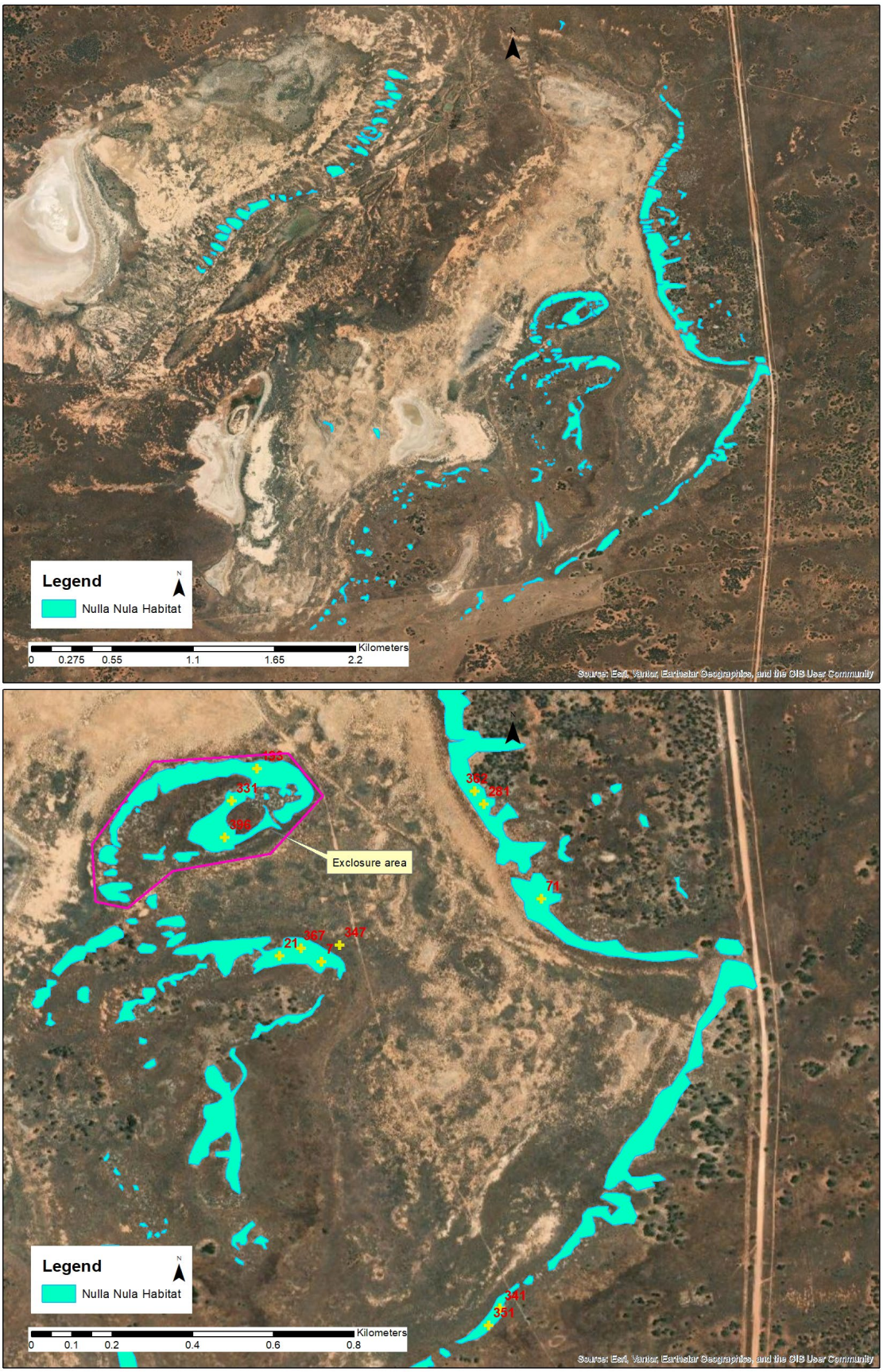


Fig. 7. Above - Mapping of *Austrostipa nullanulla* habitat within Nulla Nulla Station. Below - Plot placement and the number of individuals found within 5 x 5 m plots and the approximate area of the grazing exclosure site.

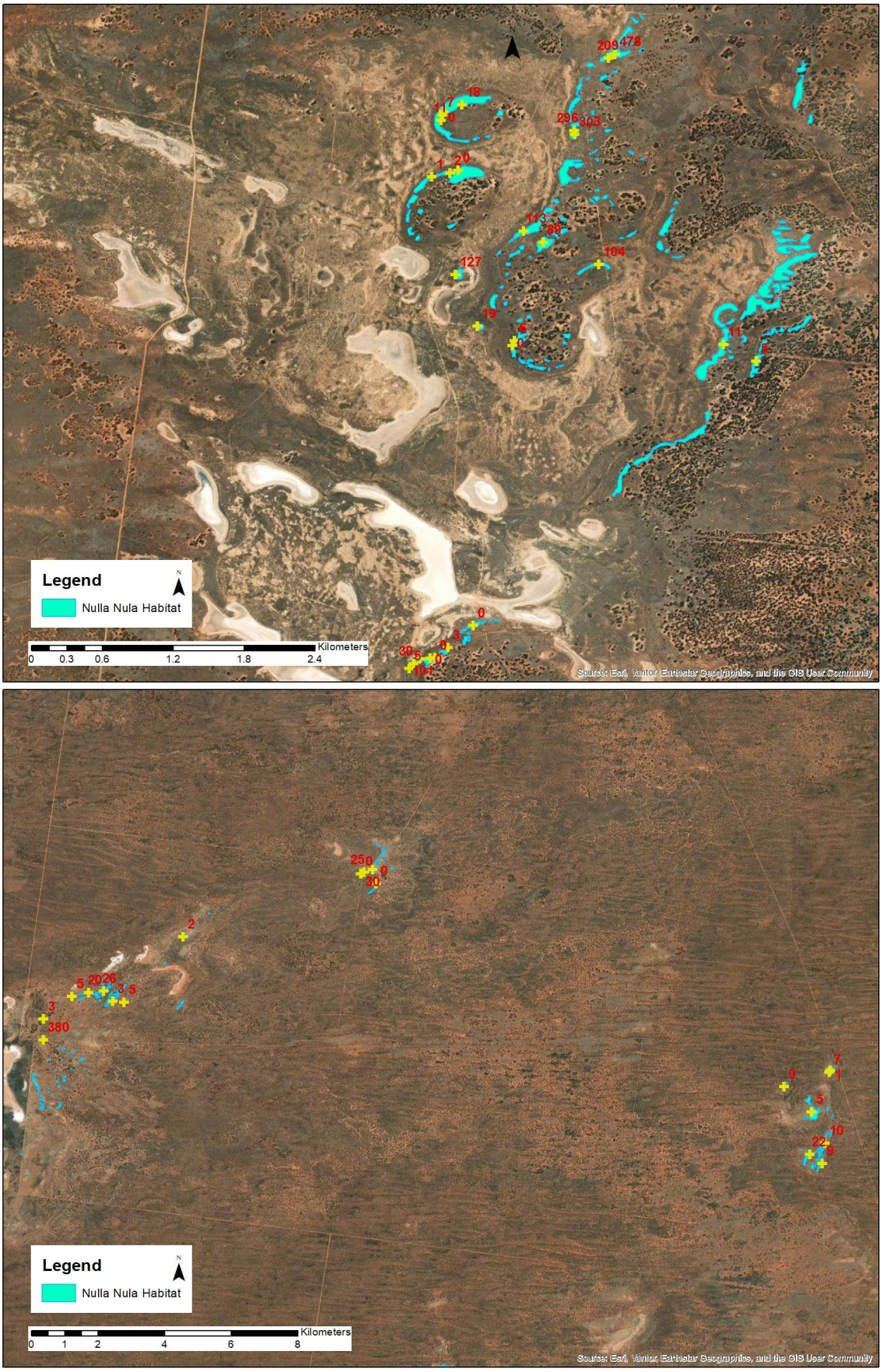


Fig. 8. Above - Mapping of *Austrostipa nullanulla* habitat within the Bells Grove area with plot placement and the number of individuals found within 5 x 5 m plots. Below - Nanya Station mapping and plots.

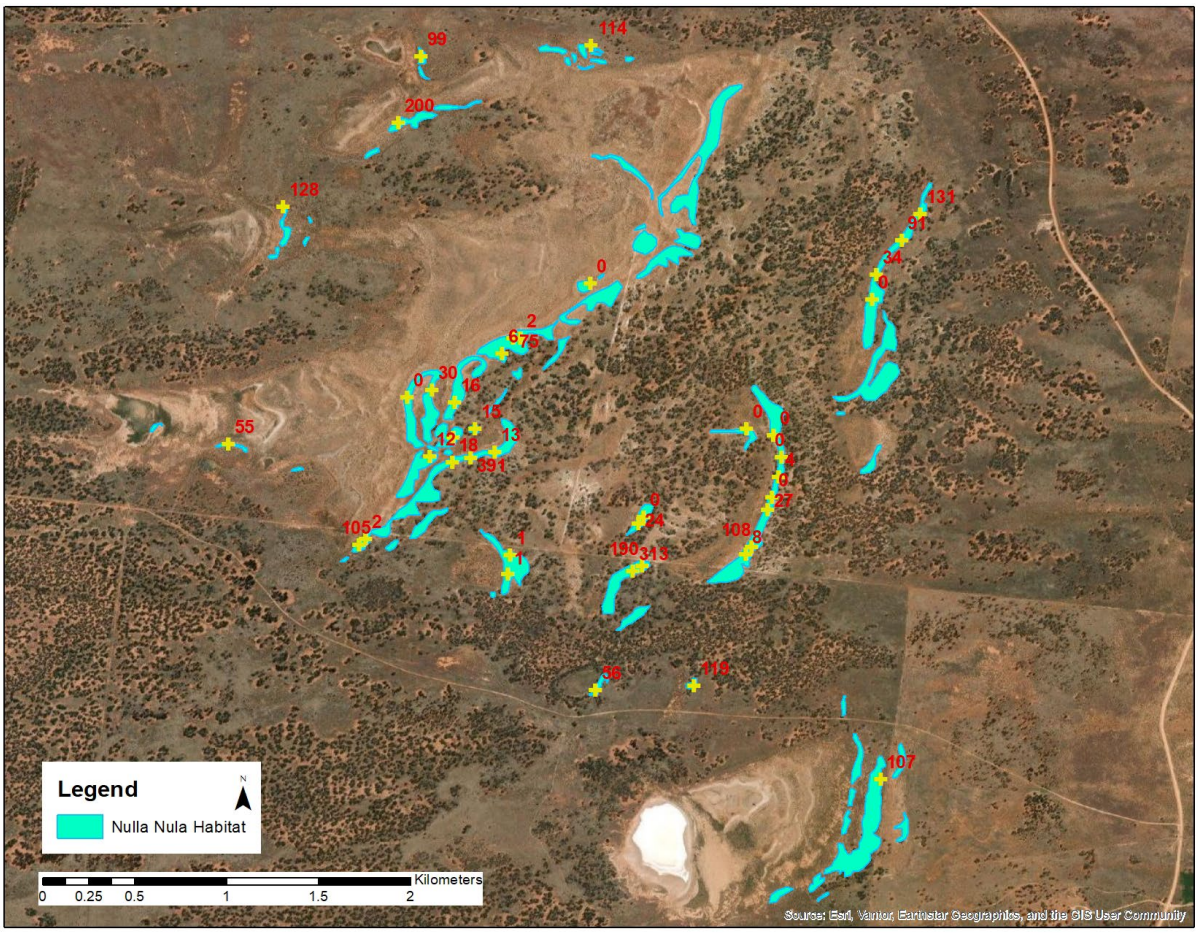


Fig. 9. Above - Mapping of *Austrostipa nullanulla* habitat within Oakbank and plot placement with the number of individuals found within 5 x 5 m plots.



Fig. 10. Although *Austrostipa nullanulla* is described as occurring in variations of shrubland and Mallee plant community types, the species generally forms patches of monodominant stands on hard crust gypsum deposits adjacent to these communities at a more proximal scale. In many areas these can be mapped out as distinct grassland patches.



Fig. 11. Gilgai-like exposed occurrences of gypsum in some lake beds also were found to contain *Austrostipa nullanulla* occurrences.



Fig. 12. Hard surface of gypsum deposits with diverse cryptogamic crusts typical of areas containing *Austrostipa nullanulla*.



Fig. 13. Photographs taken within grazing exclusion area located at Nulla Nulla Station. Note in the middle photo the vehicle trails which broke the hard crust surface has been colonised with denser patches of *Austrostipa nullanulla*. This was the only location found where the majority of individuals had or were setting seed.



Fig. 14. Typical photos of grazed *Austrostipa nullanulla* (above 2 taken from unfenced dune opposite the exclosure site at Nulla Nulla Station). Bottom three photos showing vehicle trail with denser patch of grass tussocks and even heavily grazed tussocks can produce seed.



Fig. 15. Above & middle - Uncommon examples of *Austrostipa nullanulla* growing on silt and sand overlaying gypsum with a greater depth than the roots may reach. Below - exposed Mallee root indicating that the gypsum at this location may have been exposed by erosion exposing new exposed gypsum surfaces for *Austrostipa nullanulla* colonisation.



Fig. 16. Weed taxa observed invading *Austrostipa nullanulla* habitat include *Asphodelus fistulosus* (Onionweed above) and *Nicotiana glauca* (Tree Tabacco below).

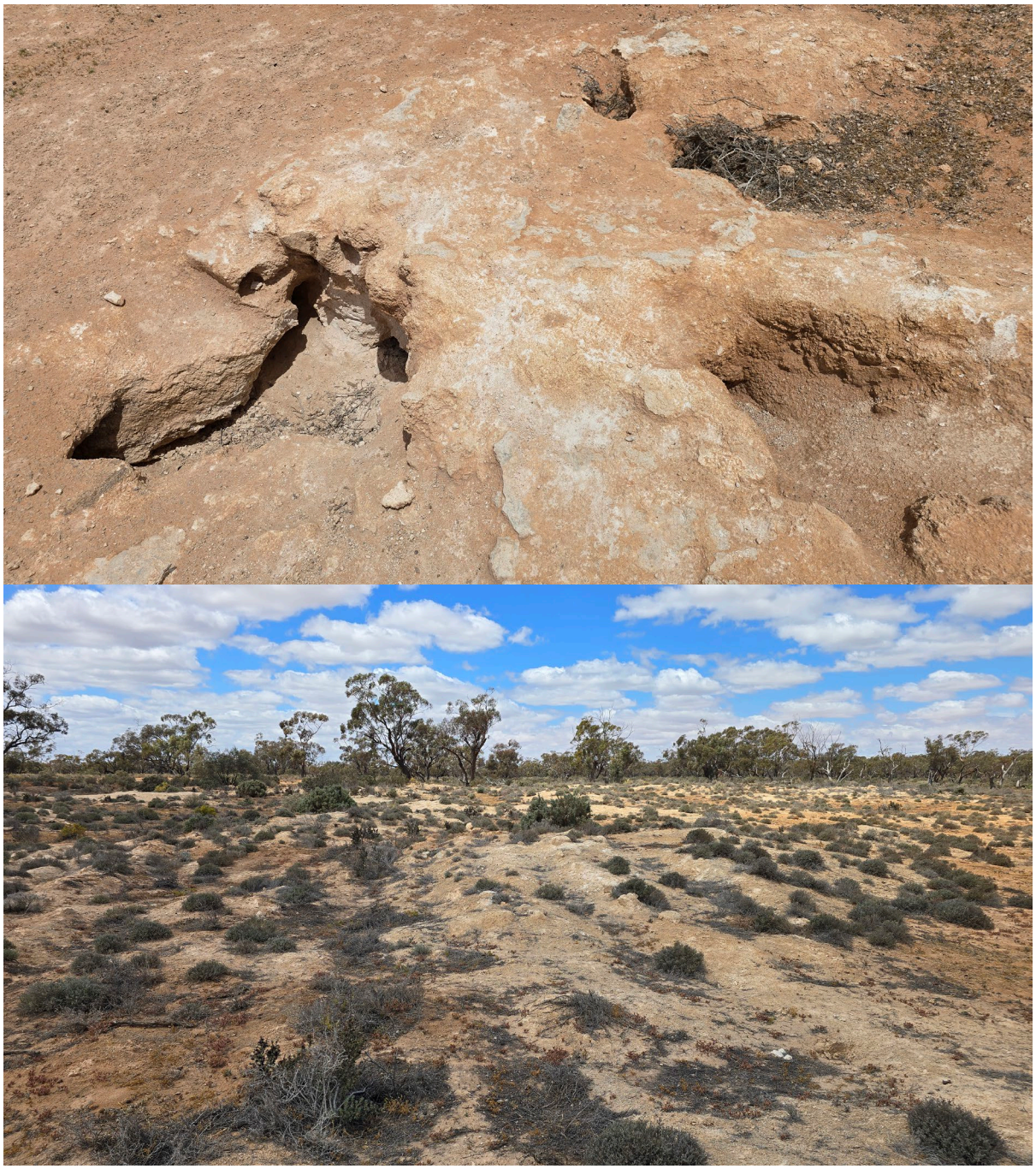


Fig. 17. Rabbit dens are common on gypsum soils, and these pose a threat to *A.nullanulla* habitat, however, ripping of burrows was found to cause more widespread damage.



Fig. 18. Trampling by stock (above and middle) can cause a reduction in population numbers by the physical removal of plants, destruction of the soil integrity (from firm to powdery) and removal of soil cryptogamic crusts that may play a role in nutrient cycling. Similar issues are caused by vehicle tracks (below).

4 DISCUSSION

The results presented here indicate that *Austrostipa nullanulla* is highly likely to be a gypsophyte (gypsum specialist). Thus, it is likely that the species has a number of life history and physiological characteristics that enable it to survive within these stressful habitats. Further work should investigate if the species shows similar characteristics as found in other gypsophytes, including accumulation of sulphur, calcium, magnesium, and oxalate crystals and if this may affect palatability to grazers. During the survey, *Austrostipa nullanulla* individuals commonly exhibited green shoots where other Austrostipa species did not, indicating that it may, like other gypsophytes, access crystallised water, enabling it to persist through dry periods. As with other gypsophytes, experiments conducted by Phil Grant showed that *Austrostipa nullanulla* was able to grow on a variety of soil types (Cera et al. 2021) other than gypsum. This may indicate that there is not a fundamental edaphic reason the species is restricted to exposed gypsum, and lack of competition on these specialist soils may be a major reason for why this species is highly restricted.

While a number of vegetation community types have been described that include *Austrostipa nullanulla,* it was our observation that in most instances this species grows as monospecific stands adjacent to, or as patches within these types, rather than an integrated part/subcomponent. As with other examples globally, these gypsum lunettes/dunes and outcroppings were associated with a significant and diverse cryptogamic crust that may be a key component in helping *Austrostipa nullanulla* persist on these soils (Escudero et al. 2015).

Current population estimates indicate that around 200,000 tussocks are known. However, this estimate is largely based on the population at Nulla Nulla Station of which 110,000 is thought to be within the exclusion plots alone. However, more recently collections of the species has occurred beyond Nulla Nulla Station within NSW. Based on our survey and plot counts it is likely that the species population size in NSW alone (not including SA or Victoria populations) is an order of magnitude larger and may be up to approximately 30 million individuals, spanning an EOO area 6,000 km2 in size (120 km north-south and 50 km east-west), with an AOO (potential habitat) estimated as 6.75 km2 (675 ha) located within the NSW EOO. This is likely to affect the current conservation status as Endangered within the *Biodiversity Conservation Act* 2016.

Listed threats to the species include rabbit warrens, mining, agricultural cultivation, natural restriction to a specific habitat, increased watering points, and grazing (native and non-native animals). As the species was still found to exist in heavily grazed areas, grazing alone is unlikely to directly cause widespread extinction. However, grazing would substantially reduce the amount of seed being produced, particularly in poor/dry seasons. The combination of grazing and drought over a 3 year period would pose a threat to this species. Only in seasons where rainfall is well above average might there be enough biomass growth to allow for more substantial reproductive output. This could be an issue if the seed bank only lasts three to five years. A prolonged drought lasting at least three to five years in combination with heavy grazing pressure could cause a substantial reduction in the species' ability to persist. Other threats noted during the investigation include windblown soil deposition (overgrazed landscapes) covering exposed gypsum, weed invasion specifically by *Asphodelus fistulosus* and *Nicotiana glauca*, warren ripping, and physical trampling and vehicle tracks.

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6 APPENDIX

Plot	*Easting*	*Northing*	*Count*
1	533,650.00	6,276,706.00	421
2	533,654.00	6,276,708.00	451
3	533,708.00	6,276,731.00	478
4	533,538.00	6,276,693.00	369
5	533,521.00	6,276,693.00	490
6	533,494.00	6,276,633.00	370
7	533,513.00	6,276,613.00	382
8	533,533.00	6,276,601.00	299
9	529,228.00	6,271,068.00	193
10	529,176.00	6,270,989.00	331
11	529,161.00	6,270,898.00	396
12	529,678.00	6,271,011.00	362
13	529,697.00	6,270,979.00	281
14	529,815.00	6,270,744.00	71
15	529,360.00	6,270,590.00	7
16	529,318.00	6,270,624.00	367
17	529,398.00	6,270,632.00	347
18	529,274.00	6,270,605.00	21
19	529,726.00	6,269,734.00	341
20	529,703.00	6,269,691.00	351
21	515,730.00	6,264,871.00	5
22	515,761.00	6,264,913.00	30
23	515,807.00	6,264,951.00	101
24	515,878.00	6,264,957.00	0
25	515,913.00	6,264,964.00	0
26	516,002.00	6,265,046.00	3
27	516,183.00	6,265,234.00	0
28	517,142.00	6,270,015.00	209
29	517,188.00	6,270,049.00	478
30	515,979.00	6,269,564.00	0
31	515,972.00	6,269,536.00	7
32	515,960.00	6,269,492.00	11
33	516,108.00	6,269,622.00	18
34	516,899.00	6,269,405.00	296
35	516,904.00	6,269,375.00	303
36	516,081.00	6,269,070.00	0
37	516,023.00	6,269,050.00	2
38	515,897.00	6,269,019.00	1
39	516,542.00	6,268,557.00	113
40	516,677.00	6,268,461.00	89
41	516,060.00	6,268,190.00	127
42	516,215.00	6,267,755.00	19
43	516,461.00	6,267,595.00	0

Plot	*Easting*	*Northing*	*Count*
44	516,477.00	6,267,632.00	6
45	518,180.00	6,267,458.00	5
46	517,949.00	6,267,600.00	11
47	517,072.00	6,268,277.00	104
48	569,626.00	6,236,555.00	91
49	569,489.00	6,236,236.00	0
50	569,510.00	6,236,368.00	34
51	569,711.00	6,236,696.00	131
52	568,911.00	6,234,860.00	8
53	568,937.00	6,234,898.00	108
54	569,041.00	6,235,502.00	0
55	568,920.00	6,235,537.00	0
56	569,075.00	6,235,384.00	0
57	569,062.00	6,235,278.00	4
58	569,030.00	6,235,165.00	0
59	569,012.00	6,235,099.00	27
60	568,442.00	6,234,798.00	190
61	568,401.00	6,234,773.00	313
62	568,450.00	6,235,062.00	0
63	568,427.00	6,235,027.00	24
64	567,836.00	6,234,761.00	1
65	567,848.00	6,234,863.00	1
66	567,165.00	6,234,924.00	105
67	567,197.00	6,234,956.00	2
68	567,590.00	6,235,367.00	18
69	567,674.00	6,235,391.00	391
70	567,783.00	6,235,419.00	13
71	567,695.00	6,235,547.00	15
72	567,596.00	6,235,500.00	323
73	567,489.00	6,235,398.00	12
74	567,389.00	6,235,720.00	0
75	567,503.00	6,235,760.00	30
76	567,603.00	6,235,689.00	16
77	567,818.00	6,235,953.00	6
78	567,902.00	6,236,037.00	2
79	567,869.00	6,236,038.00	75
80	568,220.00	6,236,329.00	0
81	568,234.00	6,237,618.00	114
82	567,466.00	6,237,567.00	99
83	567,361.00	6,237,206.00	200
84	566,836.00	6,236,754.00	128
85	566,582.00	6,235,471.00	55
86	568,228.00	6,234,128.00	56
87	568,672.00	6,234,148.00	119
88	569,509.00	6,233,636.00	107
89	536,411.00	6,335,542.00	380
90	536,414.00	6,336,163.00	3

Plot	*Easting*	*Northing*	*Count*
91	537,140.00	6,336,842.00	5
92	537,555.00	6,336,947.00	20
93	537,931.00	6,336,990.00	26
94	538,170.00	6,336,691.00	3
95	538,454.00	6,336,653.00	5
96	539,940.00	6,338,607.00	2
97	544,422.00	6,340,471.00	0
98	544,508.00	6,340,515.00	25
99	544,727.00	6,340,598.00	30
100	544,799.00	6,340,181.00	0
101	555,052.00	6,334,057.00	0
102	555,660.00	633,364.00	9
103	555,736.00	6,333,300.00	5
104	555,690.00	6,332,031.00	22
105	555,994.00	6,331,744.00	9
106	556,072.00	6,332,356.00	10
107	556,214.00	6,334,535.00	1
108	556,181.00	6,334,479.00	7

ACKNOWLEDGEMENTS

Thanks to staff at RZ Resources and Biodiversity Australia for assistance with the project both in the office and the field.

A-12 Team CVs

Our people

Karl Robertson

Principal Consultant and Senior Business Manager



Professional profile

Karl has 12 years' experience in Ecological Consulting throughout NSW, QLD & NT. Through this time Karl has played a lead role in an extremely broad service offering in the fields of; ecological impact assessment; aviation wildlife hazard management, rehabilitation and ecological restoration; vertebrate pest management; human wildlife conflict resolution (specialising in Flying-foxes and Macropods); and vegetation management.

Throughout his career, Karl has worked on a large number of exceptionally complicated and challenging projects testing his skills technically, politically and legally with his unrelenting drive, work ethic, client focus and commitment to objectivity underpinning his success.

Karl continues to gain an holistic knowledge of Australian Ecology. In doing so, he has developed advanced survey and assessment skills. He is able to survey for and identify the full complement of Australian native and exotic fauna and flora with extensive experience in all state and federal survey guidelines for flora and fauna.

Karl has demonstrated his ability to undertake native and exotic flora survey on numerous occasions and can readily identify NSW Endangered Ecological Communities, QLD Regional Ecosystems and Federal - Threatened Ecological Communities. Karl has ample experience working in Australia's east coast environments from Sydney to Cairns as well as inland environments throughout the Brigalow Belt, Brigalow Belt South and Cobar Peneplain Bioregions.

Through his report preparation, Karl has developed a broad understanding of both State and Federal Legislation, having prepared hundreds of Ecological Assessments, Monitoring and Audit Reports, Seven Part Tests, MSES, EPBC Act MNES, BDAR's, as well as the preparation of Reviews of Environmental Factors, Vegetation Management Plans and countless Control Plans for Exotic Flora including the regionally adopted eradication plans for Class 1 noxious weeds in Northern NSW.

Given this experience, Karl frequently serves as an expert witness within the NSW Land and Environment Court and Federal Court.

Karl now leads the Biodiversity Australia's major projects in his role as Principal Consultant and Business Manager which encompasses a range of diverse projects. His ability to lead the Biodiversity Australia team stems from his core values of integrity, open-mindedness, resilience, comradery, and inclusiveness – particularly with Indigenous Australians.

Qualifications, certifications and memberships

- Bachelor of Environmental Science and Management (Southern Cross University), 2011.
- National Cleared Defence Pass including escort and after hours previlledges,
- ASIC Pass
- Chemical users certificate
- Construction Industry Induction OH&S (Whitecard).
- Boat Licence
- Firearms Licence

Career history

Biodiversity Australia – Principal Consultant and Senior Business Manager

August 2015 – Present

GreenCollar Services – Field Ecologist

November 2014 – August 2015

Cumberland Ecology – Ecologist

May 2014- March 2015

Greenloaning Biostudies – Ecologist

May 2014 – November 2014

Far North Coast Weeds – Noxious Weeds Officer

Jan 2012 – May 2014

Relevant project Experience

Expert Witness

Biodiversity Stewardship Assessment

Date	Project	Role / Key Tasks	Ecological Surveys	Threatened Flora	Vegetation Community Verification	TEC Verification	Approvals / Mgt Plans	Offsets	EPBC Act
Ecological Impact Assessment									
2024 Ongoing	Brokerage Mid-north Coast	*Principal Consultant and Project Manager* Application of the BAM 2020 in relation to the establishment of a Biodiversity Stewardship Assessment. 3,800ha	✓	✓	✓	✓	✓	✓	
2024 Ongoing	Brokerage Guyra BSSAR	*Principal Consultant and Project Manager* Application of the BAM 2020 in relation to the establishment of a Biodiversity Stewardship Assessment. 680ha.	✓	✓	✓	✓	✓	✓	
2024 - Ongoing	Brokerage – Kangaroo Creek Road, Glenreigh BSSAR	*Principal Consultant and Project Manager* Application of the BAM 2020 in relation to the establishment of a Biodiversity Stewardship Assessment. 6,200ha.	✓	✓	✓	✓	✓	✓	
2024 - Ongoing	Brokerage – Cogra Bay BSSAR	*Principal Consultant and Project Manager* Application of the BAM 2020 in relation to the establishment of a Biodiversity Stewardship Assessment. 26. Circa 172 ecosystem credits	✓	✓	✓	✓	✓	✓	
2024	NSW Biodiversity Credit Taskforce – Rasberry Road, Jeolga - BSSAR	*Principal Consultant and Project Manager* Application of the BAM 2020 in relation to the establishment of a Biodiversity Stewardship Assessment. 2,800ha.	✓	✓	✓	✓	✓	✓	

Date	Project	Role / Key Tasks	Ecological Surveys	Threatened Flora	Vegetation Community Verification	TEC Verification	Approvals / Mgt Plans	Offsets	EPBC Act
		Circa 15,000 ecosystem credits + 48,500 species credits.							
2024	NSW Biodiversity Credit Taskforce – Tambar Springs - BSSAR	*Principal Consultant and Project Manager* Application of the BAM 2020 in relation to the establishment of a Biodiversity Stewardship Assessment. 2,882 ha. Circa 19,500 ecosystem credits + 3,500 species credits.	✓	✓	✓	✓	✓	✓	
2024	NSW Biodiversity Credit Taskforce – Euroka Wearnes Road - BSSAR	*Principal Consultant and Project Manager* Application of the BAM 2020 in relation to the establishment of a Biodiversity Stewardship. Due diligence.	✓	✓	✓	✓	✓	✓	
2024	NSW Biodiversity Credit Taskforce – Tumut - BSSAR	*Principal Consultant and Project Manager* Application of the BAM 2020 in relation to the establishment of a Biodiversity Stewardship Assessment. 855 ha. Circa 2,000 ecosystem credits + 4,500 species credits.	✓	✓	✓	✓	✓	✓	
2023	NSW Biodiversity Credit Taskforce – Breeza - BSSAR	*Principal Consultant and Project Manager* Application of the BAM 2020 in relation to the establishment of a Biodiversity Stewardship Assessment. 1,771 ha. Circa 10,000 ecosystem credits + 18,000 species credits.	✓	✓	✓	✓	✓	✓	
2023	Clarence Property, Red Rock BSSAR	*Principal Consultant and Project Manager* Application of the BAM 2020 in relation to the establishment of a Biodiversity Stewardship Assessment.	✓	✓	✓	✓	✓	✓	

Ecological Impact Assessment

Date	Project	Role / Key Tasks	Ecological Surveys	Threatened Flora	Vegetation Community Verification	TEC Verification	Approvals / Mgt Plans	Offsets	EPBC Act
Ecological Impact Assessment									
2024	Kings and Campbell, Emerald Drive BDAR	*Principal Consultant and Project Manager* Statutory ecological assessment including BC Act (BAM 2020), EP&A Act, EPBC Act.	✓	✓	✓	✓	✓	✓	✓
2024	Barnsons, Fig Tree SW Rocks BDAR	*Principal Consultant and Project Manager* Statutory ecological assessment including BC Act (BAM 2020), EP&A Act, EPBC Act.	✓	✓	✓	✓	✓	✓	✓
2024	Keiley Hunter, SherwoodCreek Road BDAR.	*Principal Consultant and Project Manager* Statutory ecological assessment including BC Act (BAM 2020), EP&A Act, EPBC Act.	✓	✓	✓	✓	✓	✓	✓
2024	Habitat Planning, Thurgona Quarry BDAR	*Principal Consultant and Project Manager* Statutory ecological assessment including BC Act (BAM 2020), EP&A Act, EPBC Act.	✓	✓	✓	✓	✓	✓	✓
2024	Hammock Investments, Ewingsdale Road BDAR	*Principal Consultant and Project Manager* Statutory ecological assessment including BC Act (BAM 2020), EP&A Act, EPBC Act.	✓	✓	✓	✓	✓	✓	✓
2024	Interface Planning, Wisemans Ferr Road BDAR	*Principal Consultant and Project Manager* Statutory ecological assessment including BC Act (BAM 2020), EP&A Act, EPBC Act.	✓	✓	✓	✓	✓	✓	✓
2024	Barnsons, Mulli Mulli BDAR		✓	✓	✓	✓	✓	✓	✓

Date	Project	Role / Key Tasks	Ecological Surveys	Threatened Flora	Vegetation Community Verification	TEC Verification	Approvals / Mgt Plans	Offsets	EPBC Act
		Principal Consultant and Project Manager Statutory ecological assessment including BC Act (BAM 2020), EP&A Act, EPBC Act.							
2024	Clarence Property, Bark Hut Road BDAR	*Principal Consultant and Project Manager* Statutory ecological assessment including BC Act (BAM 2020), EP&A Act, EPBC Act.	✓	✓	✓	✓	✓	✓	✓
2024	Barnson, Pacific Highway Boambee BDAR	*Principal Consultant and Project Manager* Statutory ecological assessment including BC Act (BAM 2020), EP&A Act, EPBC Act.	✓	✓	✓	✓	✓	✓	✓
2024	Habitat Planning, Davey Road Interchange Albury BDAR	*Principal Consultant and Project Manager* Statutory ecological assessment including BC Act (BAM 2020), EP&A Act, EPBC Act.	✓	✓	✓	✓	✓	✓	✓
2024	Keiley Hunter, Woolgoolga South Town Planning	*Principal Consultant and Project Manager* Statutory ecological assessment including BC Act (BAM 2020), EP&A Act, EPBC Act.	✓	✓	✓	✓	✓	✓	✓
2024	King and Campbell, Port Macquarie Community Church.	*Principal Consultant and Project Manager* Statutory ecological assessment including BC Act (BAM 2020), EP&A Act, EPBC Act.	✓	✓	✓	✓	✓	✓	✓
2024	GHD, Garden Island and Chowder Bay Defence Precint	*Principal Consultant and Project Manager* EPBC Act.	✓	✓	✓	✓	✓	✓	✓
2024	Bathla, Cearleon Estate Mudgee, BDAR	*Principal Consultant and Project Manager* Statutory ecological assessment including BC Act (BAM 2020), EP&A Act, EPBC Act.	✓	✓	✓	✓	✓	✓	✓

Date	Project	Role / Key Tasks	Ecological Surveys	Threatened Flora	Vegetation Community Verification	TEC Verification	Approvals / Mgt Plans	Offsets	EPBC Act
2024	Halo Energy, Solar Farm BDAR	*Principal Consultant and Project Manager* Statutory ecological assessment including BC Act (BAM 2020), EP&A Act, EPBC Act.	✓	✓	✓	✓	✓	✓	✓
2024	King and Campbell, Ocean Drive BDAR	*Principal Consultant and Project Manager* Statutory ecological assessment including BC Act (BAM 2020), EP&A Act, EPBC Act.	✓	✓	✓	✓	✓	✓	✓
2024	Arbus, Cudgera Creek Road Subdivision BDAR.	*Principal Consultant and Project Manager* Statutory ecological assessment including BC Act (BAM 2020), EP&A Act, EPBC Act.	✓	✓	✓	✓	✓	✓	✓
2024	RW Corkey, Dunbogan Quarry BDAR.	*Principal Consultant and Project Manager* Statutory ecological assessment including BC Act (BAM 2020), EP&A Act, EPBC Act.	✓	✓	✓	✓	✓	✓	✓
2024	Newton Denny Chapelle, Pineapple Road, Goonellabah BDAR.	*Principal Consultant and Project Manager* Statutory ecological assessment including BC Act (BAM 2020), EP&A Act, EPBC Act.	✓	✓	✓	✓	✓	✓	✓
2024	Hargreaves, Maclean Hwy Service Centre BDAR	*Principal Consultant and Project Manager* Statutory ecological assessment including BC Act (BAM 2020), EP&A Act, EPBC Act.	✓	✓	✓	✓	✓	✓	✓
2024	Rise Projects Phillips Drive BDAR	*Principal Consultant and Project Manager* Statutory ecological assessment including BC Act (BAM 2020), EP&A Act, EPBC Act.	✓	✓	✓	✓	✓	✓	✓
2024	Gyde Consulting Englands Road BDAR	*Principal Consultant and Project Manager*	✓	✓	✓	✓	✓	✓	✓

Date	Project	Role / Key Tasks	Ecological Surveys	Threatened Flora	Vegetation Community Verification	TEC Verification	Approvals / Mgt Plans	Offsets	EPBC Act
		Statutory ecological assessment including BC Act (BAM 2020), EP&A Act, EPBC Act.							
2024	HSN Property, Bundanoon Road BDAR	*Principal Consultant and Project Manager* Statutory ecological assessment including BC Act (BAM 2020), EP&A Act, EPBC Act.	✓	✓	✓	✓	✓	✓	✓
2024	Keiley Hunter Town Planning, Corindi Beach Subdivion.	*Principal Consultant and Project Manager* Statutory ecological assessment including BC Act (BAM 2020), EP&A Act, EPBC Act.	✓	✓	✓	✓	✓	✓	✓
2024	Planners North, Greenwood Place Lennox Head BDAR	*Principal Consultant and Project Manager* Statutory ecological assessment including BC Act (BAM 2020), EP&A Act, EPBC Act.	✓	✓	✓	✓	✓	✓	✓
2024	Clarence Property, Red Rock BSSAR	*Principal Consultant and Project Manager* Application of the BAM 2020 in relation to the establishment of a Biodiversity Stewardship Assessment.	✓	✓	✓	✓	✓	✓	
2023	Barnson – Tafe Musswellbrook - BAR	*Principal Consultant and Project Manager* Statutory ecological assessment including BC Act (BAM 2020), EP&A Act, EPBC Act.	✓	✓	✓	✓	✓	✓	✓
2023	Clarence Property – Torkina Road, Brunswick Head – Peer Review	*Principal Consultant and Project Manager* Detailed Peer Review of EPBC Act assessment of likelihood of significant impact inline with assessment of significance guideline 1.1 .	✓	✓	✓	✓	✓	✓	✓
2023	Astoria – Kookaburra Way, Albury. BAR	*Principal Consultant and Project Manager* Statutory ecological assessment including BC Act (BAM 2020), EP&A Act, EPBC Act.	✓	✓	✓	✓	✓	✓	✓

Date	Project	Role / Key Tasks	Ecological Surveys	Threatened Flora	Vegetation Community Verification	TEC Verification	Approvals / Mgt Plans	Offsets	EPBC Act
2023	RW Corkey – Sand Quarry Dunbogan BAR	*Principal Consultant and Project Manager* Statutory ecological assessment including BC Act (BAM 2020), EP&A Act, EPBC Act.	✓	✓	✓	✓	✓	✓	✓
2023	Planners North – Greenwood Place, Lennox Head - BDAR	*Principal Consultant and Project Manager* Statutory ecological assessment including BC Act (BAM 2020), EP&A Act, EPBC Act.	✓	✓	✓	✓	✓	✓	✓
2023	BGIS Environmental Impact Reports – Holsworthy Barracks	*Principal Consultant and Project Manager* Comprehensive Ecological Baseline assessment including due diligence assessment against the EPBC Act Assessment of Significance Guidelines.	✓	✓	✓	✓	✓	✓	✓
2023	Bathla – Niagara St, Armidale – Ecological Assessment	*Principal Consultant and Project Manager* Statutory ecological assessment including BC Act (BAM 2020), EP&A Act, EPBC Act.	✓	✓	✓	✓	✓	✓	✓
2023	BGIS Environmental Reports – Singleton Training Area	*Principal Consultant and Project Manager* Comprehensive Ecological Baseline assessment including due diligence assessment against the EPBC Act Assessment of Significance Guidelines.	✓	✓	✓	✓	✓	✓	✓
2023	ANSTO EPBC Act Assessment	*Principal Consultant and Project Manager* Comprehensive Ecological Baseline assessment including due diligence assessment against the EPBC Act Assessment of Significance Guidelines.	✓	✓	✓	✓	✓	✓	✓
2023	RW Corkey – Elizebth Drive, Badgerys Creek BDAR	*Principal Consultant and Project Manager* Statutory ecological assessment including BC Act (BAM 2020), EP&A Act, EPBC Act.	✓	✓	✓	✓	✓	✓	✓

Date	Project	Role / Key Tasks	Ecological Surveys	Threatened Flora	Vegetation Community Verification	TEC Verification	Approvals / Mgt Plans	Offsets	EPBC Act
2023	Ashby Tullymorgan Road, Ashby Heights - BAR	*Principal Consultant and Project Manager* Statutory ecological assessment including BC Act (BAM 2020), EP&A Act, EPBC Act.	✓	✓	✓	✓	✓	✓	✓
2023	GHD Englands Drive, Coffs Harbour BDAR	*Principal Consultant and Project Manager* Statutory ecological assessment including BC Act (BAM 2020), EP&A Act, EPBC Act..	✓	✓	✓	✓	✓	✓	✓
2022	LGES – Review of Environmental Factors Bucketts Way	*Principal Consultant and Project Manager* Undertake comprehensive Review of Environmental Factors as well as undertake technical assessment of biodiversity in accordance with section 7.3 of the BC Act, EP&A Act and the EPBC Act.	✓	✓	✓	✓	✓	✓	✓
2022	Bathla Group – Gillieston Heights – Ecological Assessment	*Principal Consultant and Project Manager* Statutory ecological assessment including BC Act (BAM 2020), EP&A Act, EPBC Act.	✓	✓	✓	✓	✓	✓	✓
2022	Astoria Group – Beach Street Bonny Hills BDAR	*Principal Consultant and Project Manager* Statutory ecological assessment including BC Act (BAM 2020), EP&A Act, EPBC Act.	✓	✓	✓	✓	✓	✓	✓
2022	GHD – WillowTree WMF Expansion	*Principal Consultant and Project Manager* Statutory ecological assessment including BC Act (BAM 2020), EP&A Act, EPBC Act..	✓	✓	✓	✓	✓	✓	✓
2021	Bravus – Carmichael Rail Project	*Principal Consultant and Project Manager* Comprehensive Ecological Baseline assessment including the full complement of ecological survey and reporting to achieve final QLD and Federal approvals.	✓	✓	✓	✓	✓	✓	✓

Date	Project	Role / Key Tasks	Ecological Surveys	Threatened Flora	Vegetation Community Verification	TEC Verification	Approvals / Mgt Plans	Offsets	EPBC Act
2021	Ecological Assessment (Section 7.3) Ngambaa Project	*Principal Consultant and Project Manager* Statutory ecological assessment including BC Act, EP&A Act, EPBC Act..	✓	✓	✓	✓	✓	✓	✓
2021	GHD – Woolgoolga Creek Road Repair – Ecological Assessment	*Principal Consultant and Project Manager* Statutory ecological assessment including BC Act, EP&A Act, EPBC Act..	✓	✓	✓	✓	✓	✓	✓
2021	Planit Consulting – Revetment Wall Remediation – Ecological Assessment	*Principal Consultant and Project Manager* Statutory ecological assessment including BC Act, EP&A Act, EPBC Act..	✓	✓	✓	✓	✓	✓	✓
2021	Private Client – Yamba Street Development – Ecological Assessment	*Principal Consultant and Project Manager* Statutory ecological assessment including BC Act, EP&A Act, EPBC Act.	✓	✓	✓	✓	✓	✓	✓
2021	Seymour Whyte – M1 Varsity Lakes to Burleigh	*Principal Consultant and Project Manager* Comprehensive ecological advice, additional approvals and provision of construction related ecological services. .	✓	✓	✓		✓		
2021	Origin Energy – Spring Gully Ecological Services	*Principal Consultant* Undertaking deconfliction survey and assessment of the Spring Gully exploration area. Includes threatened fauna survey and assessment as well as RE and TEC verification and reporting.	✓	✓	✓	✓	✓	✓	
2016-2019	Origin Energy Rehabilitation Monitoring and Compliance	*Principal Consultant* Comprehensive botany survey; species composition assessments, biosecurity assessment, vertebrate	✓	✓	✓	✓	✓	✓	

Date	Project	Role / Key Tasks	Ecological Surveys	Threatened Flora	Vegetation Community Verification	TEC Verification	Approvals / Mgt Plans	Offsets	EPBC Act
		pest survey and assessment, recommendation of rectification actions. .							
2017	Middlemount Coal Northeast Extension Offset Verification	*Senior Ecologist* Comprehensive botany survey; threatened flora survey; RE verification; TEC verification; targeted threatened fauna survey; fauna habitat assessment; terrestrial habitat scoring; exotic vegetation survey; EPBC Act MNES.	✓	✓	✓	✓	✓	✓	
2016	Department of Defence – Baseline Biodiversity Surveys	*Senior Ecologist* Comprehensive botany survey; threatened flora survey; RE verification; TEC verification; targeted threatened fauna survey; fauna habitat assessment; terrestrial habitat scoring; exotic vegetation survey; EPBC Act MNES.	✓	✓	✓	✓			
2016	Middlemount Northeastern Extension	*Ecologist* Comprehensive botany survey; threatened flora survey; RE verification; TEC verification; targeted threatened fauna survey; fauna habitat assessment; terrestrial habitat scoring; exotic vegetation survey; EPBC Act MNES.	✓	✓	✓	✓	✓	✓	
2013 -2014	Maules Creek Coal Project	*Field Ecologist* Field Ecologist responsible for threatened flora surveys TEC verification, EEC verification, weed survey, targeted threatened fauna survey, fauna habitat survey, report writing and GIS mapping.	✓	✓	✓	✓	✓	✓	
2013	Carbon Farming Floristic Survey	*Field Botanist* Undertaking comprehensive botanical survey throughout the Brigalow Belt Bioregion.	✓	✓	✓	✓	✓	✓	

Date	Project	Role / Key Tasks	Active Mitigation	Risk Assessment	Expert Advice	Field Survey	Training and Upskilling	Policy Development
Wildlife Hazard Assessment								
2014 - present	Wildlife Hazard Management RAAF Amberley	*Technical Advisor* Karl has undertaken a range of services for the Department of Defence at RAAF Amberley over the past 6 years, ranging from expert advice of mitigation through to formal risk assessment.	✓	✓	✓			✓
2015 - 2017	Wildlife Monitoring – Brisbane Airport	*Technical advisor* Karl provided technical survey and advice services relating to wildlife strike, permits and approvals to Brisbane Airport Corporation through the development of the New Parallel Runway project.			✓	✓		
2017	Expert Advice and Peer Review of Wildlife Hazard – Mackay Airport	*Technical Advisor* Karl was engaged by Mackay airport to undertake a comprehensive peer review of a wildlife hazard assessment relating to infrastructure upgrades in the vicinity of the airport. He successfully undertook gap analysis of the existing hazard assessment and provided practical solutions to maintain wildlife hazard in the changing environment.		✓	✓	✓		✓
2018 - present	WHMP - Lismore City Council Airport	*Technical Advisor* Karl successful lead the development of the Lismore City Council Wildlife Hazard Management Plan include stakeholder engagement, report preparation against state and federal statutory considerations including CASA Regs and expert advice.	✓	✓	✓	✓	✓	✓
2017	Expert Advice and Peer Review of Wildlife Hazard – Mackay Airport	*Technical Advisor* Karl was engaged by Mackay airport to undertake a comprehensive peer review of a wildlife hazard assessment relating to infrastructure upgrades in the vicinity of the airport. He successfully undertook gap analysis of the existing hazard assessment and provided practical solutions to maintain wildlife hazard in the changing environment.		✓	✓	✓		✓

Date	Project	Role / Key Tasks	Active Mitigation	Risk Assessment	Expert Advice	Field Survey	Training and Upskilling	Policy Development
2019 - 2021	Department of Defence – WHMP Development	*Technical Advisor* Karl sat as the lead technical advisor and senior reviewer in the development of all Wildlife Hazard Management Plans for the Department of Defence aviation ports in Northern Territory, Queensland and Southern NSW.	✓	✓	✓	✓	✓	✓
2019	Wildlife Hazard Assessment – Proposed Development – Karratha Airport	*Technical Advisor* Karl was engaged by a private proponent to undertake a comprehensive wildlife hazard assessment for development of large aquaculture facility in the vicinity of the Karratha Airport.		✓	✓	✓		✓
2021	Expert Advise – Transport NSW	*Technical Advisor* Karl was engaged Transport NSW and various principal contractors to NSW Transport to undertake a comprehensive review of the proposed landscape designs relating to the M12 upgrades leading to the Western Sydney Airport.		✓	✓	✓		✓
2019-2021	Expert Advise – Western Sydney Airport Co.	*Technical Advisor* Karl has sat as the lead technical advisor to Western Sydney Airport Co. for over 2 years and has provided expert technical advice on all aspects concerning Wildlife Hazard within 13km of the Western Sydney Airport.	✓	✓	✓	✓	✓	✓

Our people



Daniel Joyce (BSc. ENV)

Business Manager Ecology - Principal Ecologist

Professional profile

As a Principal Ecologist & Senior Project Manager with Biodiversity Australia, Daniel has undertaken numerous ecological and environmental consulting projects. Daniels experience is across a wide variety of sectors including mining, oil and gas, land development and transport corridors. While he has been based in South East Qld since 2005, his project experience is throughout Australia, the South Pacific and Africa.

Having worked on local, remote, and international projects, Daniel understands the complex environmental, ecological and logistic issues of various size projects. He also understands that no matter the size of the project, every project requires a high level of technical expertise and must be delivered on time and on budget.

Daniel has undertaken a range of ecological and environmental assessments, including ecological impact assessments; vegetation management, rehabilitation and restoration, habitat and vegetation offsets. Daniel has significant experience working under the Environmental Protection and Biodiversity Act, Vegetation Management Act, Nature Conservation Act, Biosecurity Act and various environmental policies within Australia and Queensland.

Daniel has demonstrated his ability to undertake native and exotic flora survey on numerous occasions and can readily identify QLD Regional Ecosystems and Federal - Threatened Ecological Communities. Daniel has significant experience working throughout Queensland's environments from Stanthorpe Granite Belt to Burketown, Gulf Plains and the Wild Rivers, through the Gas fields and Brigalow country to the east coast rainforests.

His experience on a variety of projects has allowed him to grow his core skills of flora, fauna and habitat surveys into compiling complex high-level technical reports and management plans, in accordance with relevant legislation, for development approvals and ongoing environmental management.

Daniel has also managed large multi-discipline consulting and field investigation teams in remote areas for State Significant Projects. Daniel has managed and undertaken ecological, acid sulphate soils, noise, vibration, air quality, groundwater, surface water and contaminated land investigations. Daniel has undertaken the field investigations, been a part of the technical reporting team as well as managing these works for baseline assessments to post construction monitoring.

Daniel has extensive experience leading teams in remote environments and managing challenging logistic projects, driving high levels of health, safety and environmental team cultures and systems.

Qualifications, Certifications and Memberships

- Bachelor of Science Environmental Science (USC 2000)
- Regional Ecosystem Assessment Under the VMA (2003)
- Suitably Qualified Protected Plant Surveys (QLD) (2008)
- BioCondition Assessment Training
- Using Animals in Science, Department of Agriculture and Fisheries
- Vegetation Structure and Remnant Status under the VMA (2003)
- Construction Industry Induction OH&S (White card)
- First Aid and CPR
- Various 4WD – driving and recovery
- The Standard 11 (S11) Mining Induction

Key Skills

- All aspects of fauna and flora surveys including targeted surveys and nocturnal surveys
- Significant Ecological Impact Assessment
- Protected Plant Surveys
- Species ID (flora/fauna)
- Threatened species management
- Rapid weed assessments
- Project management of multi-disciplinary environmental teams
- Remote projects team management
- Developing and driving high level health, safety and quality team culture

Relevant Project Experience

Project	Key Role / Tasks
Coomera Connector 1 North	Engaged by Acciona Georgiou, scope included marine plant and seagrass surveys, terrestrial habitat and weed surveys, fauna management, and pre-clearance assessments.
Steve Irwin Way to Caboolture Bruce Highway Upgrade	Led a team of ecologists undertaking pre-clearance surveys (Habitat and weed). Significant species (Wallum frogs) surveys and relocation.
Middlemount Coal Mine	Targeted MNES surveys as part of offset vegetation monitoring.
Stanwell-Gladstone Infrastructure Corridor SDA	Engaged by the Minister for Economic Development QLD to conduct a comprehensive baseline survey to assess existing land conditions, infrastructure, and vegetation.
Middlemount Coal Mine	BioCondition assessments and classification for proposed offset area and ongoing monitoring of existing offset areas. Significant species (MNES) surveys (Greater Glider, Ornamental Snake, Squatter Pigeon).
Gladstone Mt Larcom Euroa Circuit Transmission Line EA	Engaged by the Economic Minister of Queensland to provide an ecological assessment for a proposed transmission line from the Mt Larcom Sub Station development to Euroa circuit.
Carmichael Rail Network	Ecological assessments including undertaking all field verification and ecological baseline studies to gain final state and federal approvals
Surat Basin – Ruby Jo and Southern and Central Gas Fields	Engaged by QGC/Shell to conduct ongoing ecological surveys, providing assessment reports and compliance data against Key Performance Indicator (KPI) criteria for multiple offset rehabilitation sites.
Deception Bay Interchange Bruce Highway upgrade	Protected plant survey and report for south extension clearing.
Kraft Road, Pallara, QLD	High Risk Species Management plan colonial breeders.
Brentwood Estate, Bellbird Park QLD	Protected Plant Survey and habitat assessment. Development of High-Risk Species Management plan for Powerful Owl and Colonial Breeders.
Hillside Stage 2, Mooloolah QLD	Comprehensive pre-clear surveys and load reductions including trapping programs.

Nigel Cotsell

Principal Ecologist

Professional profile

Nigel is a highly experienced employee with 10+ years of industry management experience currently employed with Biodiversity Australia as a Principal Ecologist. Having held a diverse range of environmental portfolios across the three tiers of Australian Government, the private sector and overseas, he has developed into a vastly skilled and valued resource and member of the team. Nigel has proven competency in assessing State and Federal compliance, approvals, impact assessments, executing field surveys (5+ years), flora, fauna, habitat and vegetation mapping and report writing.

Nigel has completed a master's degree in Natural Resources and a bachelor's in science. Throughout his professional career he has been responsible for major contributions to large scale projects. Nigel currently holds membership in a multitude of societies and has a large assortment of publications in the ecological field.

Qualifications, Certifications and Memberships

- Member of Ecological Society of Australia
- Member of Coffs Climate Action Group
- Member of Australian Forest History Society Inc
- Member of Karangi Landcare
- Masters of Natural Resources
- Bachelor of Science
- Working Safely at Heights
- BAM Accredited NSW
- Boat license
- Law Enforcement Licence
- Guns in workplace Licence
- 4WD Driving
- Construction Industry White Card
- First aid and CPR

Key Skills

- Ecological surveying (designing, coordinating and implementing) and research
- Ecological health assessments in a variety of ecosystems
- Vegetation mapping and monitoring techniques, fauna trapping and monitoring techniques
- Threatened species (Flora and fauna) and communities surveys.
- Identification, surveys and analysis of native and exotic flora and fauna Mapping,
- Landscape and ecological processes mapping and monitoring
- Ecological restoration and rehabilitation methods and techniques
- Preparing and assessing the progress of rehabilitation and restoration plans, ecological monitoring plans
- Statistical and GIS analysis (ArcGIS, QGIS)
- Working safely in teams conducting large scale and remote ecological field work
- Approvals and assessing compliance with environmental regulations, legislations (NSW and QLD)
- Environmental Value and risk assessment

Career summary

Principal Ecologist	Biodiversity Australia	2023 - Present
Director/Principal Ecologist	Songbird Ecology	2021 – 2023

Senior Ecologist	EcoLogical Australia	2022 - 2023
Senior Ecologist/Coffs Harbour Manager **Regional Manager – South Pacific (Vanuatu)**	Ecosure	2016 - 2021
Senior Team Leader – Ecosystems and Threatened Species Section	NSW Office of Environment and Heritage	2015 - 2016
Team Leader – Biodiversity **Acting Executive Director – Planning**	Coffs Harbour City Council	2008 - 2015
Executive Officer – Gondwana Rainforests of Australia	Commonwealth Department of Climate Change, Energy, Environment and Water	2007
Director/Principal Ecologist	Great Eastern Ecology	2005 - 2007
North East Wilderness Coordinator	Environmental Protection and Regulation Division Department of Environment and Conservation – Coffs Harbour NSW	2005
Species Protection Officer **Biodiversity Recovery Unit**	Department of Conservation Wellington NZ	2002 - 2004

Professional Experience

Principal Ecologist

Biodiversity Australia (2023 - Present)

- Designing and implementing flora and fauna surveys
- Data collection to satisfy legislation.
- Field Ecological assessment and authoring ecological reports.
- GIS analysis
- Threatened species and communities surveys as per regulations.

Director/Principal Ecologist

Songbird Ecology (2021 - 2023)

- Report writing (BSSAR, BDAR, BAR)
- Environmental Approvals and Regulatory Compliance (NSW)
- Usage of BAM methodology
- Ecological Services and compliance for developmental and conservation projects
- Designing and executing field surveys – flora, fauna, habitat, threatened species and communities
- Ecological assessments, preparing and assessing progress of rehabilitation plans

Senior Ecologist

EcoLogical Australia (2022 – 2023)

- Informing clients and developers regarding compliance of projects to NSW legislation
- Planning and conducting ecological surveys.
- Environmental Monitoring
- Collaborative Projects and Management of other employees
- Regulated vegetation assessment, mapping, and management projects
- Providing recommendations on conservation programs

Author

- Cotsell N., & Vernes K., (2016) Camera traps in the canopy: surveying wildlife at tree hollow entrances. Pacific Conservation Biology 22, 48-60.
- Cotsell N., Fisher M., Scotts D., Cameron M., (2016) Identifying High Value Arboreal Habitat in forested areas using high-resolution digital imagery. Pacific Conservation Biology 22, 367- 376.
- Cotsell, N. (2015). The importance of old eucalypt trees and the wildlife that depend on them. Masters of Natural Resources thesis. University of New England
- Scotts, D., Cotsell., N (2014) Landscape Corridors of the Coffs Harbour Local Government Area. Coffs Harbour City Council, Coffs Harbour, New South Wales, Australia. Unpublished report.

Our people

Alison Martin

Principal Ecologist, BAM Accredited Assessor

Professional profile

Alison has over 40 years' experience in ecological surveys and impact assessment over much of NSW and Qld and over 30 years' experience in project management and the preparation of professional reports and plans. She is currently the Director of Greenloaning Biostudies Pty Ltd, specialising in ecological studies, impact assessment and biodiversity management. During her career, she has been responsible for both intensive and extensive ecological studies and managed large field teams for large scale mining and infrastructure projects subject to intense scrutiny. This experience, in conjunction with extensive appearances as an expert witness in the Land and Environment Court and a Master of Environmental Law, has rendered Alison well versed in local, state and commonwealth legislation. This background and ongoing interest in environmental legislation, has equipped her with the skills to provide effective strategic advice to local and state government authorities, as well as the private sector. Alison is an accredited assessor for the Biodiversity Assessment Method Order 2020 under the Biodiversity Conservation Act 2016 (NSW) and trained in the Biocondition assessment process in Qld.
During the course of her career, Alison has prepared/co-prepared numerous impact assessments and has designed and/or implemented both pre-clearing/clearing/spotter catcher procedures and long term monitoring programmes for the mining sector, government authorities and smaller developments. She has carried out extensive flora and fauna surveys in both NSW and Qld and has extensive expertise in broad scale and fine scale vegetation mapping. Alison has managed long term monitoring programmes for a range of threatened plant species as well as for threatened fauna and ecological communities. Other studies include numerous intensive target threatened species surveys in Qld and NSW and the development and implementation of detailed pre-clearing protocols for a range of threatened species.

She has prepared numerous management plans, including Comprehensive Koala Plans of Management, Vegetation Management Plans, Microbat Management Plans and Flying-fox Management Plans. has carried out peer reviews for offsets under the EPBC Act and for documents such as Biodiversity Development Assessment Reports and Vegetation Management Plans. a Critically Endangered Ecological Community and for habitats for threatened fauna species. As an accredited assessor, Alison has undertaken numerous vegetation and fauna surveys under the Biodiversity Assessment Method Order 2017/2020 and prepared Biodiversity Development Assessment Reports and Feasibility Assessments for potential Biodiversity Stewardship Sites. Currently she was involved in reviewing Management Strategies under the Saving our Species Program for two threatened plant species and previously contributed to the threatened species expert review process for the NSW Office of Environment and Heritage/Department of Planning, Industry and Environment

Qualifications, Certifications and Memberships

B.Sc (Botany/Zoology/Ecology) - University of New England, 1975
Masters of Environmental Law - Macquarie University 2014
Environment Institute of Australia & NZ
Australasian Wildlife Management Society
Australasian Bat Society
Ecological Society of Australia

Key Skills

- Strategic advice on biodiversity issues
- Threatened species management.
- Biodiversity Assessment Reports
- Koala Surveys and Plans of Management
- Environmental legislation and policy
- Impact assessments
- Microbat and Flying-fox studies

Career summary

Principal Ecologist	Biodiversity Australia/ Sub consultant	2021 - Present
Director / Principal Ecologist	Greenloaning Biosttudies Pty Ltd	1996 -Present
Co-principal / Co-principal Ecologist	Bartrim & Martin Biological Surveys	1993-1996

Project Experience

Preparation of Biodiversity Development Assessment Report for Primitive Camping Project, Ember Valley/Ghinni Ghi, (2023-2024): Ember Valley Campground

Preparation of Biodiversity Development Assessment Report for Residential Subdivision Murray Downs, (current)

Preparation of Biodiversity Development Assessment Report for Resource Recovery Project, Crescent Head, (2019 - 2025) Green coast Environmental

Preparation of Biodiversity Development Assessment Report for Retrospective Residential DA The Pocket - (2022- 2023) Greencoast Environmental

Preliminary Assessment for a Potential Biodiversity Stewardship Site, Byrock (2023)

Feasibility Assessment for a Potential Biodiversity Stewardship Site, Capertee Valley JMBS Constructions/Weemala Land Management Pty Ltd (2022-current)

Initial Studies and Advice on the development of a Biodiversity Stewardship Site, Ballina Ballina Shire Council (2019 - 2020)

Preparation of Biodiversity Development Assessment Report - Joadja, Southern Tablelands (2019) Private rural landholder, Preliminary Studies and Advice

Preliminary Advice on the development of a Biodiversity Stewardship Site, Bonalbo area (2019) Private rural landholder

Preparation of Biodiversity Development Assessment Report, Lismore LGA (2018 - current) Major residential development - Allura Parklands

Expert Review of Current Ecological Data for North Eastern NSW Threatened Flora Species (2018-2021) Office of Environment and Heritage - Expert Reviewer. Reviewed data was to be used to support the biodiversity assessments under the *Biodiversity Conservation Act 2016*.

Our people

Dr Kimberley Fowler

Principal Ecologist

Professional profile

Kimberley is an experienced and highly educated Environmental Scientist employed with Biodiversity Australia as a Principal Ecologist. Kimberley is a passionate, results-driven Projects Lead with over 15 years of experience in delivering large-scale environmental initiatives in the fields of mine site closure and expansion, environmental impact studies, decarbonisation, waste valorisation, contaminated sites remediation and remote sensing.

Kimberley thrives in complex and challenging work environments with her calm, methodical approach and a focus on problem-solving. Kimberley effectively collaborates with both internal, cross-functional teams and external stakeholders, such as government agencies, academia, research organisations and industry consultants, driving project efficiencies and delivering innovative solutions to environmental problems.

Kimberley is adept at navigating complex environmental laws, policies, and regulations, ensures project compliance. Kimberley is highly organised, with expertise in risk management frameworks, risk analysis and development of mitigation measures, guaranteeing no detail of a project is overlooked, which allows her to provide high-quality outcomes within budget and on schedule.

Qualifications, Certifications and Memberships

- Master of Science (Environmental)
- Doctoral Degree of Ecology
- Bachelor Degree of Business (Management)
- Certificate IV in Project Management
- Geographical Information Systems (GIS)
- Member of the National Environmental Law Association
- Member of the Society of Ecological Restoration

Key Skills

- Project Management - Proven ability to develop and execute large-scale environmental projects that align with organisational goals.
- Team Collaboration - Skilled in guiding cross-functional teams, fostering a culture of teamwork, accountability, and continuous improvement.
- Project Planning - Ability to create detailed project plans, timelines, and schedules.
- Risk Management - Proficient in identifying, analysing, and mitigating project risks.
- Budget Management - Skilled in managing project budgets, forecasting costs, and ensuring financial accountability.
- Scope Management - Expertise in defining and controlling project scope to prevent scope creep.
- Problem Solving - Strong analytical skills to identify issues and develop effective solutions promptly.
- Data-Driven Decision Making - Proficient in leveraging data analytics and performance metrics to inform project strategies, assess risks, and enhance outcomes.
- Change Management - Ability to navigate and manage change effectively within projects.
- Stakeholder Engagement - Strong skills in building and maintaining relationships with diverse stakeholders, including government agencies, academic and research organisations, and community organisations to drive collaborative initiatives.
- Corporate Social Responsibility (CSR) and Cultural Competency - Ensuring community and Traditional Owner inclusion for sustainable and ethical project outcomes.
- Regulatory Compliance - In-depth knowledge of environmental laws, regulations and standards, at a federal, state, and local level, ensuring project adherence to legal requirements and promoting responsible practices.

- Permitting & Licensing - Assisting clients in obtaining necessary environmental permits and licenses for various projects.
- Communication Skills - Exceptional verbal and written communication abilities, adept at presenting complex information clearly to diverse audiences, including executives and technical teams.
- Innovation & Problem Solving - Track record of identifying opportunities for innovation and effectively addressing challenges in fast-paced and evolving environments.
- Time Management - Excellent organizational skills to prioritize tasks and meet deadlines effectively.
- Detail Orientation - Meticulous attention to detail to ensure project accuracy and quality.

Career summary

Principal Ecologist	Biodiversity Australia	2025 - Present
Senior Environmental Advisor	Rio Tinto	2021 - 2025
Environmental Advisor	Rio Tinto	2016 - 2021
Senior Zoologist	Ecologia Consulting	2013
Zoologist + Senior Environmental Officer	Mount Gibson Iron	2011 - 2013
Lecturer and PhD Candidate	The University of Western Australia	2008 - 2011
Environmental Scientist	RPS Environment Pty Ltd	2006 - 2008

Professional Experience

Principal Ecologist
Biodiversity Australia (2025 - Present)

- Responsible for reviewing, submitting and in some cases developing proposals and tenders
- Responsible for driving business development with existing clients
- Responsible for meeting budgetary measures and driving cost efficiencies in ecology projects
- Ensuring that projects are coordinated in a timely and financially appropriate manner to both internal and external client expectations
- Organising internal and external training of staff to ensure projects are run correctly, client expectations are met, and the work is of a technically high standard
- Undertaking field work for ecological surveys, vegetation, and fauna management, as required
- Planning resource requests in consultation with relevant Unit Project Coordinator
- Developing, maintaining, and enhancing client relationships
- Represent Biodiversity Australia in a variety of public forums and marketing opportunities, including media, conferences, and community events
- An understanding of government legislation, particularly relating to ecology
- Compiling, editing and reviewing scientific documents for clients and legislation driven applications, permits and reporting

Senior Environmental Advisor – Studies and projects
Rio Tinto (2021 - 2025)

- Provide project management support and technical expertise on the North of Weipa Environmental Baseline Study
- Provide technical environmental advice to the Pongamia biofuel project
- Provide technical environmental advice to the Smelter Waste Valorisation team
- Maintain oversight of Federal Environmental Reforms and report key risks to the product group
- Provide technical support to product group site environmental leads
- Collaborate across internal functional groups to ensure project success
- Risk management and mitigation, utilising RSA Archer
- Build positive collaborative partnerships amongst regulators, academia and industry consultants

Environmental Specialist – Weipa Operations
Rio Tinto (2021)

- Execution of compliance improvement projects and systems
- Recruitment of environmental advisor and monitoring officers

- Incident investigation, response and recording in RTBS
- Development of Archer environmental risk register, and ongoing site risk management
- Team development and relationship building
- Contractor management
- Scope development and management of contaminated sites investigations
- Engagement with state regulators regarding environmental performance on site
- Liaising with key site stakeholders regularly, including site management, supervisors, all operational staff and external contacts within the local and nearby indigenous community regarding environmental targets, plans and performance improvements
- Regulatory and operational updates for presentation to the PacOps Steering Committee and WCCCA committee
- Organisation of state regulator inspections, and response to previous inspections and ISO audits
- Environmental Operations budget tracking and reporting, and development of 2022/23 forecasts
- Active involvement in the Environmental Community of Practice group and Land and Biodiversity Community of Practice group

Environmental Study Lead – Bell Bay Smelter Closure and Weipa Northern Operations Mine Closure
Rio Tinto (2020 - 2021)

- Development of environmental consultant study scopes
- Development of study planning and governance documents
- Review of tender proposals
- Management of consultant field work
- Review and approval of consultant reports
- Assessment of study outcomes to ensure alignment with business objectives
- Collaboration with academia and research organisations to develop innovative solutions to environmental problems.
- Presentation of project progress to the Study Governance Board
- Risk management, including development and maintenance of Archer risk register, monthly risk workshops and Study Governance Board reporting

Environmental Advisor
Rio Tinto (2016 - 2020)

- Develop and execute environmental monitoring programs to understand risk with surface water, groundwater, air emissions and other aspects that have the potential to impact the environment
- Liaise with key stakeholders regularly, this includes site management, Supervisors, all operational staff and external contacts within the community regarding environmental targets, plans and performance improvement
- Maintain strong working relationships with environmental government stakeholders on behalf of Argyle Diamond Mine and maintain the stakeholder communication register
- Assess the compliance with environmental licence and ministerial conditions through inspection of work areas and to monitor effectiveness of controls as well as provide advice on incident response
- Provide technical critical reviews of operational and closure related environmental reports, and provides support to coach operational teams to improve environmental management on site
- Provide technical input to closure plans/programs on behalf of the operational environmental team
- Develops monitoring programs based on regulatory or closure study requirements
- Manage all internal and external environmental data reporting (e.g. S&E, NPI, NGER, CP, AER, AACR, CAR) including data collation, validation, review and submission
- Provide legislative advice to site personnel regarding environmental requirements/approvals
- Assist with incident investigations
- Environmental auditing
- Mining approvals & amendments; water monitoring & management, and data management & analysis
- Develop monitoring programs based on regulatory or closure study requirements
- Monitor legal compliance to legal requirements and develop mitigating strategies for non-compliances or expected non-compliances

Publications

I) Peter B. S. Spencer A D, Simon Sandover B, **Kimberley Nihill** B, Celeste H. Wale C, Richard A. How C and Lincoln H. Schmitt C (2016) "*Living in isolation: ecological, demographic and genetic patterns in northern Australia's top marsupial predator on Koolan Island*" Australian Mammalogy (CSIRO Publishing)

II) **Christie, K**., Stokes, V., Craig, M. & R.J. Hobbs. (2013). "*Micro-habitat preference of Egernia Napoleonis in undisturbed Jarrah Forest, and availability and introduction of micro-habitats to encourage colonisation of restored forest."* Restoration Ecology 21: 722-728

III) **Christie, K**., Craig, M., Stokes, V. & R.J. Hobbs. (2012). "*Home range size and micro-habitat density requirements of Egernia Napoleonis: implications for restored Jarrah Forest of South-Western Australia*." Restoration Ecology 20: 740-746

IV) Maron, M., Hobbs, R.J., Moilanen, A., Matthews, J.W., **Christie, K**., Gardner, T.A., Keith, D.A., Lindenmayer, D.B. & C.A. McAlpine. (2012). "*Faustian bargains? Restoration realities in the context of biodiversityoffset policies."* Biological Conservation 115: 141-148

V) **Christie, K**., Craig, M., Stokes, V. & R.J. Hobbs. (2011). "*Movement patterns by Egernia napoleonis following reintroduction into restored Jarrah forest."* Wildlife Research 38: 475-481

Our people

John Foster

Ecologist

Professional profile

BAM Accredited Assessor, with extensive experience in ecological consulting across diverse sectors, including urban development, industrial projects, mineral resource extraction, and infrastructure, John brings a robust background in environmental management and project coordination.

Jonn has contributed to both small and large-scale projects in NSW and Victoria. His expertise includes conducting ecological impact assessments for threatened flora, fauna species, and ecological communities in compliance with NSW and Commonwealth legislation.

John is adept at undertaking botanical surveys and reporting, employing the Biodiversity Assessment Method (BAM) to identify Plant Community Types, assess threatened ecological communities, map occurrences of threatened flora species and habitats, and identify weeds of national significance. His fieldwork experience spans numerous surveys across NSW and Victoria.

In addition to John's technical skills, he has completed Biodiversity Offsets Scheme Accredited Assessor training and has completed Tetra Tech - Level 1 Project Management training. John has successfully managed the ecological components of residential development applications, overseeing fieldwork coordination, and report preparation and has also contributed to ecological monitoring and management projects, including Biodiversity, Bushland, and Vegetation Management Plans, as well as Flora and Fauna Assessments and Rail Corridor Ecological Impact assessments.

John's career reflects a dedication to environmental stewardship, leveraging his expertise in GIS and field mapping technologies to support sustainable practices and biodiversity conservation efforts.

Qualifications, Certifications and Memberships

- CPR AED-Emergency Life Support-First Aid
- Plant Identification - Advanced
- Project Management – Level 1
- Operate 4WD & Light Vehicle
- NSW Animal Ethics
- Fauna trapping and Handling
- BAM Assessor Accreditation
- Bachelor of Science – Biology
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Key Skills

- Threatened ecological community mapping
- Client management and communication
- Ability to undertake ecology surveys
- Knowledge of state and federal legislation
- Biodiversity assessment
- Impact assessment
- Biodiversity offsets
- Landscape and waterway ecology

- Environmental auditing
- Fauna and flora assessment
- Species identification
- Vegetation assessment and mapping

Career summary

Ecologist	Biodiversity Australia	2024 - Present
Ecologist	Eco Logical Australia	2022 – 2024
Ecologist	Cumberland Ecology	2019 - 2022

Professional Experience

Ecologist
Biodiversity Australia, NSW (Current)
- Provide environmental assessments and wildlife management
- Management advice and data collection
- Undertake ecological surveys
- Species identification – Flora and Fauna (native and introduced)
- Liaised with onsite workers
- Vegetation, TEC and regional ecosystem identification, verification and mapping
- Weed surveys and mapping
- Significant species habitat assessments and impact management during construction and mining activities used in relation to the Endangered, Vulnerable and Near Threatened Species (EVNT) List and governing legislation
- Compiling written reports, accurately reporting the findings and providing recommendations on how to mitigate impacts during the relocation of wildlife habitats
- Interpretation and compliance with statutory regulations, safety/environment practices and organisational guidelines
- Welfare management of wildlife and their habitats
- Ensuring impacts on wildlife, wildlife habitats and breeding places are considered and implementing minimisation design and scheduling
- Ensuring that disturbance/clearance works are planned and executed in a manner that incorporates the necessary wildlife management measures
- GIS Mapping
- Survey design and planning
- Managing and coordinating field survey teams to mobilise and conduct targeted threatened species surveys, either remotely or from the field

Ecologist
Eco Logical Australia, (Oct 2022 – Apr 2024)
- Project management
- Field surveys
- Site supervision
- Report and proposal preparation
- Conducting night and day field surveys, rescuing, trapping and handling native and exotic fauna
- Conducting desktop assessments
- Threatened species surveys
- Providing biodiversity impact assessment reports for line-of-sight surveys and pipe relining projects

Ecologist

Cumberland Ecology, (Nov 2019 – Sep 2022)

- Monitoring fauna
- Ensure safe capture and release of native animals including, frogs, lizards, spiders, snakes, possums and gliders
- Nest box installation
- Preclearance inspections and clearance supervision
- Report preparation
- Plant Identification

Kylie Alicia Lopes

Mossy Point NSW 2536
Mobile: 0403 305 553
Email: kyliealicialopes@gmail.com

Bio

I am based on the south coast NSW and am currently working as a mid-level Ecologist. I am experienced in many areas of fieldwork and survey work and specialize in fauna ecology, particularly nocturnal fauna and bats. I currently have 4 years of consulting experience and project management experience on a diverse variety of projects throughout eastern and southern Australia and have experience and training in ultrasonic bat call identification and specialize in microbat surveys and handling.

I have worked with Forestry Corporation of NSW as an assistant Field Ecologist, where I have greatly developed my skills in the identification of species native to the south coast. I have assisted in threatened species projects with the Office of Environment and Heritage and various post-fire targeted species surveys. I have been part of a variety of private property surveys ground truthing habitat suitability for Koala conservation within the Eurobodalla Koala Project and have quantified Lyrebird foraging activity with LaTrobe and Birdlife Australia and as a research assistant for a private project exploring native Owl post fire prey preferences using pellet analysis. Some other past experience includes coastal and estuarine work and tag release of bull sharks.

While I pursued my career in Ecology and studied, much of my experience was in the hospitality industry and as such my interpersonal skills and ability to time manage and work in a cooperative environment are highly developed. I also have experience in start-up small business, managing employees, accounting and bookkeeping, from creating and running two successful businesses. Running these allowed me to work for myself from home and pursue environmental volunteer work.

I am a physically active and fit person, regularly training, as well as hiking and diving so I believe I would have no problem passing any physical tests required. I am a qualified bushfire fighter with my local RFS and a trained WIRES volunteer with a range of experience in containing, handling and first aid treatment of our native wildlife and am certified to handle most native animals including bats and snakes, as well as aquatic species.

Certification and training

2009- 2015	**Bachelor of Science (Distinctions), major in Biology and Ecology** University of Southern Queensland GPA: 6.55 / 7
2006 - 2008	**Bachelor of Science** (transferred to USQ) Griffith University, Queensland
Other:	**NSW White card**
	NSW boat license
	WIRES NSW RICC qualified (also species specific trained)
	NSW RFS member (BF)
	4x4 competent

Skills & Abilities

Field survey techniques

- General flora and PCT identification
- Endangered Ecological community identification
- Targeted species transect / traverse– (orchid, floral species)
- BAM and rapid veg plots
- Vegetation integrity monitoring plots

- Spotlighting, call playback and call identification (nocturnal)
- Harp trapping, microbat exclusion and Emergence surveys
- Ultrasonic Bat Call Identification
- Frog call Identification and playback
- Species specific grid-based survey (including Koala SATs)
- Bird call Identification general
- Deployment of camera traps, song meters, hair tubes
- Use of Elliot traps, cage trapping, pit-fall trapping
- Skeletal Identification
- Aquatic Ecology- netting, diving, species relocation
- Reptile surveys (tile array, rock flip, embedded tubes)

Technology

- Use of GIS mapping (transects, incidental sighting, programing and mapping layers, data inputting)
- Ability to utilize field guide apps/books for ID assistance
- Familiarity with tablet-based mapping programs for data collection and navigation.
- General computer literacy (office, excel, statistical software, accounting software, web design, social media)
- High quality reporting skills.
- Familiar with the use of Anabat insight
- Use of navigation devices (GPS, traditional tools)
- Use of Inreach and satellite phones and radio comms

Personal skills

- Current White-card
- Can operate manual and 4x4 vehicles competently
- Willing and have the capability to attain all additional licensing and training with machinery, chainsaw etc. Including all physical competency testing
- BF qualified RFS
- Outgoing, friendly and works well with others
- Versatile, quick learner, energetic
- High level of initiative, independent
- Willing to travel, camp, physically fit
- Confident outdoors and in navigating in remote regions.
- High level of community engagement skills, skilled in PR and dispute management and resolution.
- Certified snake handler

Relevant Work experience

2021- current **Ecologist and Ultrasonic Call Analyst**
EcoLogical Australia

Key responsibilities
All aspects of general field assessments including flora and community identification, flora and fauna habitat assessment. Threatened species targeted surveys. BAM plots and surveys for BDARS. I have project managed numerous FFAs and small constraints and clearance works as well as supervising clearance and species-specific monitoring projects. I have been an active part of the proposal and contracting of new projects and clients, project managing and field planning, data collation and analysis, report writing and invoicing. In my role I work very closely with senior ecologists, species experts and a team of GIS, admin, bushfire and hydrology staff and environmental consultants and highly value feedback and advise. I am improving my ability to navigate legislative pathways and have been involved in numerous defense projects. I am trained in Ultrasonic Bat call analysis and reporting

2020-2021 **Field Ecologist assistant – Lyrebird project**
LaTrobe University/ Birdlife Australia Lyrebird monitoring project

Key responsibilities:
This projects aim is to use foraging evidence to give an idea of distribution and activity of Lyrebirds along the south coast of NSW pre and post fires. Primary Task was to collect data independently in prescribed Locations using GAIA Mapping app. Data tasks included habitat descriptors, dominant vegetation, percentage vegetation cover, incidental fauna sightings, fire damage and intensity, estimation of percentage area disturbed by Lyrebird foraging. My locations were remote and difficult to traverse but I had no issue in completing all my sites well before the cut off date for the project.

2020- 2021 **Field Ecologist Assistant – Eurobodalla Koala project**
EKP Keith Jolief

Key responsibilities:
Assist with data collection and recording for ground truthing mapping data related to potential viable Koala habitat within the Eurobodalla. Primary role is to identify dominant Eucalypt species, regenerating ground cover (post fire), incidental fauna sightings, as well as assess fire damage and plot characteristics.

2019- current **Field Ecologist Assistant**
Forestry Corporation of NSW

Key responsibilities:
Assist in pre-harvest field surveys for a variety of threatened species and habitat values; These included RGBSAT Koala surveys, endangered ecological community identification, targeted threatened flora transects, compartment traverse surveys, and incidental species identification.
Other skills and experiences in this role include

- Spotlighting and Call playback surveys for the Bago/Maragle Species monitoring program for the Yellow-bellied Glider
- Seasonal orchid surveys in montane forests of Bago and Maragle state forest
- Assisted with Northern Corroboree frog Surveys in collaboration with OEH Save our species program
- Use of GIS software and tablet-based mapping
- Familiarization with Coastal Integrated Forestry Operations Approval prescriptions and protocols

Other Employment History

2013 – 2021 **Owner operator**
I Know A Guy Handyman Service/ Blissful bedding, NSW

Key responsibilities:
Employee management, all Book keeping, invoicing, budgeting, Wages, Clientele management and advertising. Stock management and Delivery. Supplier ordering, providing high level service with strict deadlines and often short notice. Large amounts of heavy lifting and driving. Long hours.

2008 – 2010 **Guest Liaison Officer**
Icare Hamilton Island, QLD

Key responsibilities:

Meet and transport VIP quests, guest tours of the island. On- call 24 hours. Maintain buggies and units including cleaning and general repairs and maintenance to a 4.5 -5star standard with a very high level of customer care and service.

2005 -2019 **Waitress/ bar attendant/ supervisor/ staff trainer – various venues**

Café, takeaway, al a carte, nightclub, bistro, cocktail bars, silver service/fine dining, clubs and pubs

Key responsibilities/ skills:
Bar service, including pool cocktail 'island bars' and night club and restaurant bar service, beer line cleaning, keg tapping and rotation
Take-away alcohol service, Stock rotation
Coffee service and preparation, fully Barista Trained
All areas of front of house service, desert preparation
Fine dining wine service trained. High level of wine service and knowledge.
Working with KENO sales and gaming (poker) machines, including hopper refilling, payouts, error correction, end of night cash up and cash box clearing and resetting.
Outdoor service and functions, including weddings, corporate and private functions.
Staff trainer and supervisor. Events planner and coordinator.
End of night close and cash totaling.

Referees

Craig Dunne
Senior Ecologist, Forestry Corporation of NSW
Phone: 0413 209 025

Keith Jolief
Principal researcher,
Eurobodalla koala project
Phone: 0427 546 156

Dr Kristen Thompson
ELA previous work colleague
Kristen_thompson@outlook.com
0432 766 224

Our people

Jessica Hobart

Ecologist

Professional profile

Commencing with Biodiversity Australia in May 2020, Jess has become a valuable member of the BA team and has proven proficiency in a number of roles having been promoted internally. Jess is highly proficient in fauna habitat assessments, having completed these extensively in a range of ecosystems throughout South-East Queensland. Jess displays a high degree of knowledge of local fauna and flora, with a passion to continually learn within the industry.

Jess has extensive knowledge in handling wildlife, both captive and in the wild, obtained through the many work and volunteering experiences she has acquired in previous years. Throughout her previous experiences, Jess has attained adept knowledge in local flora and fauna identification and management. Through successful client consultation, Jess has been able to create extensive relationships that is continuous throughout entire projects. Jess is continuously evolving with the industry, learning new aspects and elements with every opportunity.

Qualifications, Certifications and Memberships

- Bachelor of Applied Science – Wildlife Science
- Certificate III Captive Wildlife
- Venomous Snake Handling Course
- Australian Wildlife Course
- First Aid & CPR Certificate
- White Card
- Manual Drivers Licence

Key Skills

- Fauna Habitat Assessments
- Threatened fauna surveys
- Threatened Ecological Community Mapping
- Fuel Hazard Assessments
- Research and Report Writing
- Data Collection and Analysis
- State legislation (Nature Conservation Act 1992, Vegetation Management Act 1999)
- Federal legislation (Environmental Protection & Biodiversity Conservation Act 1992)
- GIS Mapping
- OH&S

Professional Experience

Ecologist

Biodiversity Australia QLD. Brisbane. Mar 2023 to current

- Undertake Flora and Fauna Survey
- Statutory Impact Assessment
- EEC and RE verification
- Report Development and Review
- Management Plan Development and implementation

- GIS and Spatial Analysis
- Project Management and client liaison

Fauna Unit Coordinator

Biodiversity Australia QLD. Brisbane. Jan 2022 to Mar 2023

- Coordinate all functions of the Fauna unit including project management, team rostering, client communication, preparing quotes and job confirmations, along with performing as a Senior FSC in the field as required.
- Financial analysis and management reporting of the department performance to company targets
- Senior Report writing and GIS analysis;
- Recruitment of new FSC department personnel, onboarding and training new team members.

Fauna Spotter Catcher

Biodiversity Australia QLD. Brisbane. May 2020 to Jan 2022

- Undertake fauna and flora surveys including targeted EVNT species;
- Data collection to satisfy legislation and approval conditions;
- Report writing and GIS analysis;
- Animal dispersal, capture and rehabilitation (terrestrial and aquatic) – including venomous snakes;
- Fauna surveys including diurnal and nocturnal survey techniques (e.g. Anabat surveys);
- Species Identification – Flora and Fauna (native and pest);
- Fauna Potential Occurrence Assessments.

Volunteer

Ipswich Nature Centre (2017-2018); Lone Pine Koala Sanctuary (2016); Australia Zoo (2013).

- Provided high level husbandry care to native wildlife and domestic livestock, including maintenance of enclosures. Such as macropods, echidnas, koalas and wombats and exotic animal such as tigers, lemurs, rhinos and giraffes
- Handled exotic and native animals such as diamond pythons, echidnas, koalas, blue tongued skinks, cheetahs and lemurs
- Created, prepared, conducted and reported on enrichment strategies
- Prepared diets for both exotic and native animals
- Educated the public about wildlife conservation and management through keeper talks, children's zoo programs and answering all questions and queries
- Assisted keepers in animal health checks and treatments
- Continued a high level of enclosure hygiene and maintenance

Relevant Project Experience

Date	Project	Key Role / Tasks
May 2023	ENQ5494 APA – Weed Surveys	*Ecologist* • Conducted Weed surveys alongside APA escort within South Australia and New South Wales
April – November 2023	ENS Jobs Task Force – Raspberry Road, Tumut, Tambar Springs and Breeza	*Ecologist* Conducted Ecological Stewardship BSAR Assessments • Items included –Targeted Flora and/or Fauna Surveys, Nocturnal Surveys, Plots, Bird Dawn and Dusk Surveys, Call Playbacks, PIR Camera Set up, Anabat Setup, data management

Date	Project	Key Role / Tasks
November – December 2023	Numerous Jobs for Service Stream and Task Force	*Drone Pilot* Service Stream – Conducted Raptor Nest Checks via drone located on Telecom Towers. Observations were to include species that created nest and activity status of the nest. • Task Force BSARs – Conducted Thermal drone surveys across sites at dawn and dusk to look for species such as Koalas.
November – December 2023	ENS6144 Santos/GHD – Ecology Assessments for Pipeline	*Ecologist* Conducted Ecological Assessments as per scheduled for that particular week/fortnight. • Items included – KSATs, Targeted Flora and/or Fauna Surveys, Nocturnal Surveys, PIR Camera Set up, Songmeter set up, data management
December 2023	ENS6003 – Garden Island and Chowder Bay	*Ecologist* Conducted Ecological Assessments within Impact Zones of Chowder Bay and Garden Island Defence. • Items included – Habitat Assessments and Nocturnal Surveys.
June 2020 - present	Pacific Motorway (M1) Upgrade - Varsity Lakes to Burleigh	*Fauna Spotter Catcher* • Management of all fauna interactions and sightings including clearing direction and close communication with workers. • Handling, identification and relocating a wide range of fauna including venomous snakes (day and night works) in line with the Management Plans in place. • Euthanasia of invasive species on site where applicable. • Working closely with client and BA Fauna Project Manager to ensure a safe and progressive work site. Conducted EVNT specific surveys and spotting, including Koala specific spotting, in line with SMP's in place.
October 2020	New England Highway Upgrade – Warwick to Wallangarra	*Fauna Spotter Catcher* • Pre-clearance fauna habitat assessment. • Management of all fauna interactions and sightings including clearing direction and close communication with workers. • Handling, identification and relocating a wide range of fauna including venomous snakes (day and night works) in line with the Management Plans in place. • Euthanasia of invasive species on site where applicable. • Working closely with client and BA Fauna Project Manager to ensure a safe and progressive work site. • Surveyed adjacent areas of habitat for offset nest box installations.
Nov 2020	Bruce Hwy - Deception Bay Rd Interchange Upgrade	*Fauna Spotter Catcher* • Management of all fauna interactions and sightings including clearing direction and close communication with workers. • Handling, identification and relocating a wide range of fauna including venomous snakes (day and night works) in line with the Management Plans in place. • Euthanasia of invasive species on site where applicable. • Working closely with client and BA Fauna Project Manager to ensure a safe and progressive work site. • Conducted EVNT specific surveys and spotting, including anabat surveys, in line with SMP's in place.

Date	Project	Key Role / Tasks
Nov 2020 – present	Pacific Motorway (M1) Upgrade – Palm Beach to Tugun	*Fauna Spotter Catcher* • Management of all fauna interactions and sightings including clearing direction and close communication with workers. • Handling, identification and relocating a wide range of fauna including venomous snakes (day and night works) in line with the Management Plans in place. • Euthanasia of invasive species on site where applicable. • Working closely with client and BA Fauna Project Manager to ensure a safe and progressive work site.
Nov 2020 – Present	Pacific Motorway (M1) Upgrade – Burleigh to Palm Beach	*Fauna Spotter Catcher* • Management of all fauna interactions and sightings including clearing direction and close communication with workers. • Handling, identification and relocating a wide range of fauna including venomous snakes (day and night works) in line with the Management Plans in place. • Euthanasia of invasive species on site where applicable. • Working closely with client and BA Fauna Project Manager to ensure a safe and progressive work site.
Nov 2020	Ellendale Estate	*Fauna Spotter Catcher* • Management of all fauna interactions and sightings including clearing direction and close communication with workers. • Handling, identification and relocating a wide range of fauna including venomous snakes (day and night works) in line with the Management Plans in place. • Euthanasia of invasive species on site where applicable. • Working closely with client and BA Fauna Project Manager to ensure a safe and progressive work site.
Nov 2020	Coombabah STP Upgrade Stg 6	*Fauna Spotter Catcher* • Management of all fauna interactions and sightings including clearing direction and close communication with workers. • Handling, identification and relocating a wide range of fauna including venomous snakes (day and night works) in line with the Management Plans in place. • Euthanasia of invasive species on site where applicable. • Working closely with client and BA Fauna Project Manager to ensure a safe and progressive work site. • Conducted EVNT specific surveys and spotting, including Koala specific spotting, in line with SMP's in place.

Adam Robert May

Reedy Creek QLD 4227

0413 606 156

australian.science.education@gmail.com

Wiradjuri

A proud Wiradjuri man, vegetation ecologist, horticulturist and educator with extensive experience and qualifications within the environmental, education and horticulture sectors possessing excellent oral, written and graphic communication skills, demonstrated ability to liaise with people from diverse social, intellectual, and cultural backgrounds with confidence, maturity and sensitivity.

CAREER OBJECTIVE

To utilise my higher education, knowledge and experience and passion the environment to obtain a rewarding career in an inclusive local team of like-minded staff in conservation, ecology or environmental sectors to enhance our rich biodiversity and contribute to better outcomes for users.

EDUCATION & QUALIFICATIONS

- Graduate Diploma in Education (Science & Geography): Griffith University (2015)
- The Queensland Regional Ecosystem Framework and its Application (2007)
- Vegetation Structure and Remnant Status VMA 1999 (2007)
- Field identification of the Brigalow Belt (2007)
- Bachelor of Science/Ecology: University of Queensland (2006)
- Native Animal Conservation in Training Program: Moreton Institute of TAFE (2001)
- Diploma of Horticulture: Moreton Institute of TAFE (2000)
- 4WD Training (2008)
- Chainsaw Training (2011)

EMPLOYMENT HISTORY

Horticulturalist, Dec 2017 – Current

- Growing & the cultivation of Proteaceae plants including Proteas, Leucospermum, Leucadendron, Grevillea, Telopea and also Eucalyptus pulverulenta.
- Distribution to farmer's, hobbyists and gardeners in suitable growing regions.
- Provide advice to successfully grow these plants in challenging areas and varying seasonal conditions.
- Managing and cultivating of a small fruit orchard to ensure harvest success.
- Ensure good Health and vigour of specimens to prevent severe infestation of pest and/or disease.
- Provide exclusion barriers to prevent frugivores, marsupials, insects and ground dwelling rodents and birds from severe attack and fruit spoilage.
- Provide waste management systems to ensure nutrient recycling, waste reduction, plant nutrition and minimise input costs into the system.

Field Botany Tutor, Wild Outdoor Plant Outdoor Learning, Dec 2017 – Dec 2019 (Casual)

- Assist students in the class to identify features related to the workshop of the day.
- Supervise and assist students in the field on botanical and ecological features of the workshop.
- Assist Chief Botanist as required.

Teacher, Sarina State High School, January 2016 – May 2017

- Plan, implement and teach subject content consistent with ACARA, QCAA and the school syllabus.
- Create engaging hands-on lessons that stimulate kinaesthetic learners.
- Implement ACARA cross curriculum priorities
- Collect record and document student data on academic progress, behaviour, effort and report to parents/guardians.
- Provide a safe stimulating learning environment for all students.

Teacher Aide, Cleveland District State High School, (Casual Position) July – Sept 2015

- Assist junior secondary students with literacy and numeracy, Maths, Science, Geography and one on one /small group tutoring in the learning support unit.
- Support students during exams with reading, clarifying and scribing required tasks.
- Work with Aboriginal and Torres Strait Island students with a focus to 'Closing the Gap' to complete assignments and homework after school in the learning support unit.
- In class support for students with disabilities in the special education unit.

Youth Trainer, BoysTown Tjurabalan, Balgo - Western Australia (Contract Position) Oct 2014 – Nov 2014

- Deliver accredited and non-accredited training in horticultural and construction-based projects. This project includes the construction of garden beds, planter boxes, tables and seating, irrigation systems, plant knowledge and care, construction of a 3 bay composting system and education of waste management in an effort to reduce and recycle in the Wirrimanu Community. Associated visual and hands on education materials such as PowerPoint, handouts and actual exhibits were used to assist with the learning techniques of Aboriginal education.
- Clearly communicate with cultural sensitivity at all times with Trade Training Centre Staff, the Wirrimanu Community and Aboriginal youth to ensure understanding, respect and integrity of BoysTown's presence in Balgo.
- Maintain and create positive working relationships with government, community agencies and stakeholders.
- Empower students with various projects, skills and diversity by encouraging and using positive reinforcement for participation, teamwork and learning in the educational environment.
- Engage with the Aboriginal Peoples of the Tjurabalan region and deliver quality training, mentoring and life skills development in order to effect long term sustainable change.
- Facilitate an environment that increases student attendance, participation and contribution by keeping learning interesting, intellectually appropriate, ensuring respect of self and each other, and facilitating safe work and coping mechanisms in extreme heat.

Field Ecologist, Newground Environmental, June 2012 – Oct 2012

- Undertake Vegetation Structure data collection using The Queensland Regional Ecosystem Framework and its Application,
- Undertake and record complete site floristics
- Identify plants using the most up to date botanical keys and collect specimen if required for positive ID by the Newground head botanist and/or Queensland herbarium if required.
- Undertake biodiversity tasks as directed by the senior ecologist including fauna habitat assessment

Natural Areas Coordinator, Logan City Council, March 2009 – May 2012

- Manage and coordinate team of 13 staff in natural area management operations, abiding by Council policies and procedures and occupational health and safety guidelines.
- Conduct staff performance reviews to assess previous performance measures, provide and receive feedback on staff performance and job satisfaction.

- Deliver excellent customer service to the public, community groups and schools and facilitate capacity building and community engagement.
- Liaise with councillors, community and internal and external industry stakeholders in a professional manner for the best environmental outcomes in bushland and protected areas.
- Supervise emergency response from unit field crews to bushland parks following flooding and storms to ensure public safety.
- Perform risk assessments in natural landscapes and investigate opportunities to apply control measures that reduce any risks to an acceptable level within suitable assessment time frames.
- Educate staff in the identification of native and exotic species and associated vegetation communities, framework and community structure in local bushland areas and implement strategies for desired environmental outcomes.
- Inspect, evaluate and report development assessment applications with natural area park dedications to ensure approved Open Space Management Plans are consistent for natural area maintenance, management, enhancing biodiversity, community use and safety.
- Provide advice about vegetation significance and relate relevant state, federal and local planning schemes and offset policies where vegetation clearing is involved.
- Supervise offset planting mitigation strategies on behalf of council to ensure an equal or greater environmental outcome is achieved in our bushland, and develop and report on compensation plans as a result of requirements under the Nature Conservation Act (NCA) 1992.
- Implement and report on capital works projects and program in bushland areas including supervision and management of council staff and contractors, cost estimating and materials procurement within budget limits and ensure that appropriate community consultation and engagement is implemented.

Technical Officer, Queensland Herbarium, Jul 2007 – Feb 2009

- Collection of ecological field data in remote areas of Queensland including specimen collection, GPS location, landform, aspect, soils, geology, disturbance, species composition, basal area, crown cover, stem counts, all characterising dominant plant communities, using Queensland Herbarium methodologies, via interpretation of site field data for the CORVEG database
- Accurate CORVEG site data entry in a specifically designed database allows targeted report generation for Botanists across the state.
- Ortho rectification of aerial photographs using computer software package, Imagine 9.1.and digitising of aerial photography as required for mapping projects and senior staff.
- Rostered duties in the Plant Id room including botanical identification of Queensland native and exotic plant species. Identification is accomplished using the most up to date taxonomic dichotomous and interactive keys, herbrecs data, and herbarium specimens. Further, poison and general enquiries, via phone and counter are also a part of the rostered Botanist duties

Ecologist, Biodiversity Assessment and Management, Feb 2007 – June 2007

- Conduct preliminary site-specific background and database searches prior to field investigations; and the preparation of field activities including collection and compilation of required mapping, consumables, field equipment and the organisation of accommodation arrangements. Conduct regular stocktake for all field equipment and Personal Protective Equipment.
- On-site experience involved flora assessment and plant identification using Queensland Herbarium methodologies and fauna surveys using Elliot traps, cage traps, harp traps, spotlighting, Anabat II detector and pitfall traps. In addition, this role required liaison with Local and State government agencies and landholders as well as various other tasks as directed by senior staff.

Environmental Planning Cadet, Caboolture Shire Council, Jan 2004 – Feb 2007

- Implementation of self-guided walks including: the interpretive signage design; liaison with local Traditional Owners, Gubbi Gubbi (Eve Fesl), landholders and the general public; participation in team meetings; the review of project goals and the preparation of regular project reports.
- Assist contract botanist with complete site floristics where needed, and council staff in site assessment of conservation programs such as the Voluntary Conservation Agreement, Land for Wildlife and Urban Wildlife.

VOLUNTEER WORK

Cleveland District State High School, Term 2 2015

- Assist junior secondary students with literacy and numeracy, Maths, Science, Geography and one on one /small group tutoring in the learning support unit.
- Support students during exams with reading, clarifying and scribing required tasks.

Kindilan Outdoor Education and Conference Centre, July School Holiday Program 2014

- Assist outdoor recreation and education program staff with kayaking, bushwalking, archery, damper making, orienteering, soccer, skipping and other engaging activities for the young participants.

YMCA, September school holidays 2013

- Assist program staff at YMCA Victoria Point during Vocational Care with sports, games, food & organising activities for the young participants.

NAIDOC Week Celebrations

- Participate in NAIDOC celebrations on the Environmental Protection Agency display. Liaise with members of the public regarding the role of the agency, as well as answering any questions regarding plants, weeds etc. Distribute informative posters, badges, plant keys and Aboriginal bandanas.

REFEREES

Bruce Wilson
Retired Science Leader
Queensland Herbarium
Telephone: 0492 956 135
Email: wildoh9999@gmail.com

Justin Le Page
Program Manager - Parks and Open Spaces
Fraser Coast Regional Council
Telephone: 0455405117
Email: justin.lepage@bigpond.com

Our people

Nathan Eshraghi

Geospatial Specialist

Professional profile

Nathan Eshraghi is a customer-focused and detail-oriented IT graduate with diverse life and career experiences in IT, small business, and consulting. He is employed as Biodiversity Australia's Geospatial Specialist and has demonstrated the ability to adapt to various technologies, workplaces, and geographic contexts. Nathan holds a Graduate Diploma in Information Technology and a Bachelor of Urban & Environmental Planning. Nathan has extensive experience in GIS development and analysis, spatial data management, and architectural drafting, utilising advanced tools such as ESRI ArcGIS, QGIS, and AutoCAD.

His technical proficiency includes spatial analysis, cartography, 3D geo-spatial visualisation, FME data ETL, and programming with Python, ArcPy, and the ArcGIS API for Python. Nathan's strong ability to adapt to various technologies and environments allows him to deliver high-quality geospatial solutions consistently. His comprehensive skill set and commitment to excellence make him a valuable asset both to Biodiversity Australia and in the field of GIS.

Qualifications, Certifications and Memberships

- Graduate Diploma in Information Technology – 2022 (GPA 6.125)
- Bachelor Urban & Environmental Planning – 2011

Key Skills

- ESRI ArcGIS Pro, ArcMap, Enterprise skill
- QGIS, opensource GIS
- 3D Geo-spatial Visualisation
- FME, data ETL
- SQL / database management
- Spatial analysis and cartography
- Python, ArcPy, ArcGIS API for Python
- AutoCAD

Career summary

Geospatial Specialist	Biodiversity Australia	Current
GIS & Application Developer	GP One Consulting	May 2023 – Jul 2023
GIS Analyst	Yarraman Metals	Nov 2022 – Jan 2023
GIS Analyst	Toowoomba Regional Council	Feb 2012 – Aug 2013
Architectural Draftsperson	LT Design Architects	2001 - 2008

Professional Experience

Geospatial Specialist
Biodiversity Australia, QLD (Current)
• ArcGIS Pro and QGIS cartography, data management, analysis
• ArcGIS Field Maps and Survey123 development
• Spatial scripting, QA and ETL using ArcGIS API for Python, ArcPy

• User Interfaces with ArcGIS Dashboards and Experience Builder
• ArcGIS Online administration
• ArcGIS custom reporting

GIS & Application Developer
GP One Consulting
- GIS/App Development
- Spatial scripting, QA and ETL using ArcGIS API for Python, ArcPy
- Consulting within the ESRI Enterprise software stack including AGOL, ArcGIS Pro, ArcMap and VertiGIS studio

GIS Analyst
Yarraman Metals
- Used QGIS for spatial data analytics / cartography in the exploration sector

GIS Analyst
Toowoomba Regional Council
- Advised and attended to internal and external customers including planners, asset managers, engineers, consultants, and project managers
- Worked with ESRI software suite to analyse and manage spatial data
- Developed informative and presentable maps
- Developed interactive mapping products for internal clients
- Conducted quality assurance on externally generated data/maps

Architectural Draftsperson
LT Design Architects
- Worked for residential architect and interior designer
- Taking designs from concept to site-ready plans
- Utilised AutoCAD and Revit (3d/BIM)

Relevant Project Experience

Date	Project	Key Role / Tasks
2024	APA National Weed Survey	*Geospatial Specialist* Field survey development, database development, reporting.
2024	APA GIS Data Management	*Geospatial Specialist* Programmatic GIS data management and quality assurance.
2024	GHD General Ranges Training Area Redevelopment	*Geospatial Specialist* Undertook field survey development, cartography, data management.
2024	Toowoomba RC Biosecurity Matter Mapping	*Geospatial Specialist* Provided dashboard development and data management services.

References

Note references as required using table below

Name	Position	Organization	Phone Number
Peter Reyne	Chief Technology Officer	GP One Consulting Pty Ltd	+61 439 763 587
Gordon Webb	Head Geologist	Yarraman Metals	+61 460 872 820

Oisin Joachim Bartholomew Canney

Address: 13 Palmer Avenue, Ocean Shores, NSW, 2483
Telephone: +61 410 050 598 Email: oisincanney@gmail.com

Personal & Skills Profile

- Strong written and verbal communication
- Strong time management and organizational skills
- ICT skills including Microsoft Excel, ProjectWise, ArcGIS/QGIS and SPSS
-

Education

Aberystwyth University BSc Environmental Science 2017-21 (with Year in Industry)

- Graduate of Aberystwyth University BSc. (Hons) Upper Second-Class division (2:1)

St John Baptist, Aberdare

- 3 A-Levels – Chemistry, Geography, and advanced Welsh Baccalaureate

Cyfarthfa High School, Merthyr Tydfil

- 10 GCSE's (6 As, 3 Bs and 1C), BTEC Physical Education (Distinction)
-

Work Experience

Environmental Consulting, Greenloaning Biostudies October 2023 - Current
Since working for Greenloaning Biostudies I have conducted many consulting desk based tasks, but have also been heavily involved in fieldwork locally and further afield, with projects along the east coast and inland. Daily tasks include:

- Conducting biodiversity assessments for reports (BDAR)
- Using GIS-based applications for various professional map layouts from raw data & other sources
- Using biodiversity assessment method (BAM) data for the BAM calculator
- Research into plant community types (PCTs) for background for reports/fieldwork/mapping
- Conducting flora and fauna field surveys in various ecosystems across NSW
- Managing selected projects

Environmental Advisor, ReForest Now (RN): September 2022 - October 2023
Previously worked for RN restoring Australia's rainforests. RN has proudly planted over 500,000 trees since their inception in 2019, and over 250,000 of those trees have been planted since I joined. My many roles for the organization include:

- Analyzing soil samples from planned planting sites for a composition breakdown
- Advising on which fertilizers to use at a planted area based upon the soil composition of the site
- Augering holes, preparing water crystals, planting trees and fertilizing trees on planting days
- In charge of work vehicles (4WD) on planting days
- Maintenance work on areas that have been planted (Have gained a chemcert for this work)
- Forest regeneration work
- Lead our drone data collection for various reports
- Lead our vehicle and equipment registry

Environmental Hub Support, Natural Resources Wales (NRW): October 2021 – March 2022
Working for NRW as part of the environmental hub support, key accountabilities include:

- Providing front line response to a range of environmental quires
- Carry out transactional customer activity such as processing permitting applications, licenses etc
- Ensuring accurate data capture and processing to relevant systems
- Handling personal data and security policy when handling financial information
- Be an exemplar for excellent customer care across all NRW activities

ECO Consulting, ECO Connect Network: May 2021 - October 2021

Employed as an ECO consultant, my main responsibilities included:

- Engaging with homeowners regarding grants available to them to install new heating systems & insulation in homes with low EPC's (Energy Performance Certificate)
- Aiding businesses working in schemes such as the new Green Deal

Environmental Consulting, Arup: January - May 2020

I was employed as an environmental consultant. My main responsibilities while working here was:

- Writing the environmental statement for the new A417 'Missing Link' project.
- In charge of the progress tracker for the A417 'Missing Link' project.
- Using GIS to map new EV charging points across South Wales
- Taking part in ecological fieldwork
- Helping create job roles for an upcoming nuclear waste project
- Conducting literature reviews for greenways projects in Ireland
- Creating manifestos to bid for future projects

In my free time I took part in charitable work where I:

- Was part of a small team that organized a week of events for the charity RedR, an NGO that provides relief programmes across the world.
- Took part in a missing maps project where I mapped parts of the world that are vulnerable to natural disasters, conflicts, and disease epidemics.

Continued to work for Arup during the first UK lockdown due to COVID-19. I displayed my ability to continue to produce high quality work while working from home.

Waste Management, Merthyr Tydfil County Borough Council (MTCBC): October - December 2019

Working for MTCBC where my main responsibilities were:

- The assistant to the Parks and Bereavement Services Manager
- Reviewing the waste management practices of the council
- Produced a report that showed the council how they could be more efficient with their street sweeping fleet.

Interests and achievements

Gold Duke of Edinburgh – achieved Gold Duke of Edinburgh award August 2021, where I enhanced my teamwork skills and faced many challenging tasks which I worked through and overcame

Rugby- Currently play for the Byron Shire Rebels, but played for Aberystwth RFC 1st team while I was in Aberystwyth and Bedlinog RFC whilst at home. My highest level to date was being selected to play for the prestigious Welsh Crawshays (beating England Lambs albeit on a very heavy Usk rugby club pitch!)

Music- Play the Piano to grade 5 standard and the Bassoon to grade 8 standard. I was a member of the Four counties Youth Orchestra, supported the school orchestra and Big Band as a keen guitarist. I was invited to be the guest soloist with the Welsh Sinfonia (a team of professional musicians) and toured Holland with the school Orchestra.

Running- Active member of both the Byron Bay Run Club and Ocean Shores run club. Very passionate about being active in my spare time as I am a firm believer that the discipline sports gives you impact positively in every aspect of your life, including your work life. I found throughout university that the more active I was, the better I became at my university tasks.

References available on request

Our people

Dusty McLean

Ecologist

Professional profile

Dusty is an experienced and highly educated Scientist currently employed with Biodiversity Australia as an Ecologist. Dusty has proven competency in designing and implementing ecological research, executing field surveys, flora, fauna, habitat and vegetation mapping, and report writing.

Dusty has extensive experience with bird and mammal research in a variety of ecosystems in NE NSW and SE QLD. His work focussed on the effects and influence of fire and predation on wildlife populations and has informed conservation management plans for species including the long-nosed potoroo, red-legged pademelon and dingo. Dusty has had several research articles published in international academic journals and has experience engaging with a variety of stakeholders including universities, government agencies (NPWS), and First Nations communities to achieve desirable ecological outcomes.

Qualifications, Certifications and Memberships

- Bachelor of Science (Ecology & Conservation Biology)
- Bachelor of Science (Honours)
- Doctor of Philosophy (PhD)
- Member of Golden Key Honours Society
- First aid and CPR

Key Skills

- Ecological surveying (designing, coordinating and implementing) and research
- Ecological health assessments in a variety of ecosystems
- Fauna trapping and monitoring techniques
- Threatened species (Flora and fauna) and communities surveys
- Identification, surveys and analysis of native and exotic flora and fauna mapping
- Landscape and ecological processes mapping and monitoring
- Ecological restoration and rehabilitation methods and techniques
- Preparing and assessing the progress of rehabilitation and restoration plans, ecological monitoring plans
- Working safely in teams conducting large scale and remote ecological field work

Career summary

Ecologist	Biodiversity Australia	2025 - Present
Principal Ecological Consultant	Guerilla Eco - Ecological Consultancy	2021 - 2024
Advisor	Minyumai IPA Dingo Project	2023
Research Assistant	Southern Cross University	2021 - 2024

Professional Experience

Ecologist

Biodiversity Australia (2025 - Present)

- Designing and implementing flora and fauna surveys
- Data collection to satisfy legislation
- Field Ecological assessment and authoring ecological reports.
- GIS analysis
- Threatened species and communities' surveys as per regulations

Principal Ecological Consultant

Guerilla Eco - Ecological Consultancy (2021 - 2024)

- Scientific research report writing
- Ecological Services for conservation projects
- Designing and executing ecological field surveys – threatened fauna, habitat, and invasive species
- Ecological assessments, preparing and assessing progress of conservation management plans
- Threatened species monitoring
- Mapping

Research Assistant

Southern Cross University (2021 - 2024)

- Mapping for peer-reviewed publications and various fieldwork activities for wildlife research, such as camera-trapping, cage-trapping and collecting tissue samples for genetic analyses.

Volunteer and Other Work Experience

Forestry Corporation of NSW

Assisted with field surveys, including mark-recapture and spotlight surveys, for monitoring rare and threatened species within NE NSW State Forests alongside the Forestry Corporation ecology team.

Shamwari Game Reserve, South Africa

Monitored, tracked, and assisted in the relocation of wildlife, engaged in land rehabilitation, and participated in community engagement at a reserve situated on reclaimed and rehabilitated agricultural land and focused on conserving many of Africa's iconic megafauna.

Author

- McLean, D., Goldingay, R., & Letnic, M. (2024). *Experimenting with artificial shelters to assist habitat restoration for medium-sized ground-dwelling mammals.* Restoration Ecology, e14300.
- McLean, D. & Goldingay, R. (2024). *Response of medium-sized mammals in subtropical forests following Australian 'Black Summer' wildfires.* Forest Ecology and Management, 562, 121952.
- McLean, D., Goldingay, R., & Letnic, M. (2023). *Diet of the Dingo in Subtropical Australian Forests: Are Small, Threatened Macropods at Risk?* Animals, 13(14), 2257.
- Doctor of Philosophy Thesis topic: *The Ecology and Conservation of the Northern Long-nosed Potoroo (Potorous tridactylus tridactylus) and Other Small, Threatened Macropods in North-eastern New South Wales, Australia.*
- Honours Thesis topic: *Effects of residential development on bird diversity, abundance and community composition in South-eastern Queensland, Australia.*

Our people

Kody Kemp

Graduate Ecologist

Professional profile

Qualified with a Bachelor of Environmental Science (Honours) Kody is versed in all topics environment and wildlife. His passion for ecology has led him to joining Biodiversity Australia's ecology team as a Graduate Ecologist. Prior to working at Biodiversity Australia, Kody has volunteered extensively and worked in various roles completing many complex projects and tasks with the core objective being positive environmental outcomes. Kody aims to make a difference and achieve an impact on the environment with every job, focussing on sustainability and reducing the knowledge gap between community and council environmental issues.

Kody has experience with ecological restoration, vegetation management plans, pre-clearance surveys, EPBC Monitoring and reporting, compliance, species surveys, Elliot trapping, GIS remote sensing and vegetation quality assessments.

Qualifications, Certifications and Memberships

- Bachelor of Environmental Science (Honours) University of Queensland
- AQF3 Chem cert
- ELA fauna handling/ plant identification workshop
- Chainsaw Certificate
- Manual Open Class Drivers Licence
- Construction White Card
- First aid and CPR
- 4WD, Chainsaw and Tractor operations

Key Skills

- Wildlife removal/relocation,
- Animal capture, handling and rehabilitation
- Fauna and Flora Identification
- Ability to undertake ecology surveys
- Fauna Habitat assessments
- Knowledge of state and federal legislation
- Identification of native, pest and EVNT species
- GIS programs, e.g. ArcGIS
- Bush regeneration
- Experienced using power tools, chemicals and machinery

Career summary

Graduate Ecologist	Biodiversity Australia	2024 – Present
Graduate Restoration Ecologist	Eco Logical Australia Pty Ltd	2023 – 2024
Bush Regenerator Site Foreman	Atlas Golf Services	2018 – 2023
Landscaping Team Leader	Stone Will Landscaping	2018

Professional Experience

Graduate Ecologist
Biodiversity Australia QLD (2024-Present)

- Offset monitoring including BioCondition, BAM and Habitat Quality Assessment plots
- Flora identification Brigalow Belt and SEQ
- Targeted fauna surveys (trapping programs)
- Targeted species searches
- Remote field survey

Graduate Restoration Ecologist
Eco Logical Australia (2023-2024)

- VMP implementation management
- Development and preparation of various Ecological Management Plans (e.g. Weed, Biodiversity, Vegetation, Microbat, Restoration management plans)
- Vegetation Monitoring and Reporting
- Vegetation Clearance Supervision
- Pre-clearance surveys
- Biodiversity compliance reporting
- Client and Stakeholder engagement
- Directing and managing staff
- Data collection, fauna and flora surveys
- Invasive and native flora identification

Bush Regenerator Site Foreman
Atlas Golf Services (2018-2023)

- Management of Riparian VMP zones
- Data collection, fauna and flora surveys for third party reporting
- Biodiversity Report/Progress Report/ Site Audit compilation for Council
- Foresight of future work and planning of work
- Invasive and Native Plant Species Identification
- Chemical Spraying (Weed control)
- Use of Adaptive Management techniques
- Use of Integrated Practice Management techniques
- Clearing of Land
- Chainsaw use
- Tractor Operation (Slashing, Ripping, Aerating, 4in1 operation)
- 4wd Driving.
- Planting of native plant species (seeding and tube stocking)

Our people

Alex Mackenzie

Ecologist

Professional Profile

An experienced professional ecologist with over 7 years of experience and demonstrating sound ecological and plant identification knowledge applied on projects for major clients including several large resources and infrastructure sites. Alex has proven ability to develop knowledge related to company direction, achieving goals and optimizing business functions whilst delivering high standards.

Alex's most recent (June 2023- current) project included 18 months of ecological field surveys and reporting in the Brigalow Belt South Bioregion for a large seismic project. Field tasks included ecological field surveys identifying regional ecosystems, threatened ecological communities, and identifying EVNT habitat. Report writing on field data and GIS analysis to suit client requirements.

Alex is a highly competent and qualified Ecologist with skills including project managing, developing JSAs/SWMS, team leading, work procedures, fauna and flora surveys (throughout Queensland) – flora surveys undertaken in South East Queensland Coast, Surat Basin and Brigalow Belt. Alex has proven capabilities across several projects in her time at Biodiversity Australia (Shell QGC, Origin Energy, Terrex) in identifying a range of species from rainforest, open forest and arid, dry communities; Regional Ecosystems (RE) knowledge, assessment and mapping; Habitat assessments (aquatic and terrestrial); wildlife catching and handling (aquatic and terrestrial); report writing, research, monitoring, data collection, GPS/GIS navigation and mapping.

Qualifications, certifications and memberships

- Bachelor of Environmental Science & Management (University of Newcastle)
- Open manual car licence
- White card
- ACDC licence
- EIANZ membership
- Regional ecosystem and Bioconditioning training (CO2 Australia)
- Clean and Inspect machinery
- Venomous snake handling course

Professional Experience

Ecologist
Biodiversity Australia 2017 – Current

- Field surveys in the Brigalow Belt South Bioregion, undertaking protected plant surveys, regional ecosystem verification, and habitat quality assessments for EVNT fauna species
- Monitoring of Biodiversity Offset site for a large Renewable energy project in the Brigalow Belt South Bioregion
- Flora surveys of rehabilitated gas infrastructure sites in the Brigalow Belt South Bioregion
- Preclear surveys and baseline ecology surveys in the Brigalow Belt Bioregion
- Provide accurate GPS and GIS navigation, mapping, data collection

- Project managing and undertaking field ecological assessments and flora surveys (terrestrial). Flora surveys were followed accordingly with Qld Flora Survey Guidelines (2016) – Protected Plants under the Nature Conservation Act 1992
- Rapid weed assessments; Progressive weed control;
- GPS mapping of weed densities and locations; Reporting of EVNT animal sightings; Writing weed assessment reports
- Ecological and environmental consulting with various stakeholders Understanding, compliance and implementation of standard operating procedures, land access, WH&S, inductions, policies and legislations, environmental management plans, data collection information.

Volunteer
LMCC Landcare Resource Centre (2017)

Duties:

- Working in the nursery one day a week my duties include mixing potting mix, potting up seedlings, sorting and storing seeds, weeding and yard maintenance.

Volunteer
Office of Environment and Heritage Wild count program (2017)

Duties:

- Deployment and retrieval of monition sensor cameras
- Developed navigation skills using handheld GPS, compass and maps
- Recorded data, such as evidence of disturbance, GPS location

Volunteer
Community Ecosystems Monitoring Lake Macquarie City Council (2016)

Duties:

- Environmental monitoring in a variety of environments including rainforest and eucalypt forest.
- Plant identification skills for natives and weed species.
- Recorded data, such as plant species present, measuring DBH of large trees, canopy and ground cover and length of fallen limbs and trunks to give an overall health assessment of the site.

Volunteer
Landcare Wangi Wangi (2016)

- Applied and further developed native plant identification skills and weed identification and appropriate removal skills, confident with hand held tools such as mattock, rake, folding saw, lopper and secateurs.
- Completed team leader training course which included identifying hazards and assessing risks on site as well as the importance of good communication with team members.

Skills

Field Work

- Experienced flora, fauna and weed identification skills
- Experienced with various weed management techniques such as herbicide application method of cut and paint, and non-chemical methods such as mosaic technique
- Data collection and navigation with GIS based tools and tablets
- Experience working on large remote projects under various HSE systems

- Through studies and volunteer work Alex has extensive experience in environmental assessment in a range of environments such as mangrove forests, rock platforms, grasslands and eucalypt forests and using different techniques and equipment.
- Developed good understanding of work place health and safety procedures and constant awareness of my own safety and that of others while working in the field and wearing PPE.

Our people

Shirley Chia

Ecologist

Professional profile

Shirley is a skilled ecologist working with Biodiversity Australia, where she contributes to a wide range of ecological consulting projects across urban development, infrastructure, and conservation sectors. With a First-Class Honours degree in Ecology from UNSW and hands-on experience, Shirley brings a strong scientific foundation and practical field expertise to every project.

Shirley has played a key role in delivering BDARs. biodiversity offset monitoring programs, and ecological compliance assessments. Her ability to manage complex fieldwork logistics, maintain client relationships, and ensure timely, high-quality reporting makes her a valuable asset to the Biodiversity Australia Ecology team.

Her capabilities include conducting vegetation and fauna surveys, identifying threatened species and ecological communities, and applying the Biodiversity Assessment Method (BAM) to support regulatory compliance under NSW and Commonwealth legislation. Shirley's experience spans diverse habitats, including degraded landscapes and conservation reserves, where she has demonstrated adaptability in challenging field conditions.

In addition to her ecological expertise, Shirley has developed strong project management skills, leading annual biodiversity offset monitoring programs and maintaining open communication channels with clients to ensure transparency and satisfaction. Her background includes volunteer work with Taronga Zoo and Arid Recovery, further demonstrating her passion of wildlife conservation.

Shirley's career reflects a commitment to environmental stewardship and sustainable development. She leverages her skills to deliver insightful, science-based solutions that support biodiversity conservation and responsible land use planning.

Qualifications, Certifications and Memberships

- First Class Honours in Ecology (UNSW)
- Bachelor of Environmental Management (UNSW)
- Operate 4WD
- Full Manual License
- First aid and CPR

Key Skills

- Biodiversity Development Assessment Reports (BDARs)
- Biodiversity offset monitoring
- Project management and client liaison
- Vegetation and habitat assessment
- Threatened species identification
- RStudio and data manipulation
- Strategic planning
- Vegetation assessment and mapping
- Ecological field surveys
- Compliance assessment under NSW biodiversity legislation

Career summary

Ecologist	Biodiversity Australia	2025 – Present
Graduate Ecologist	Eco Logical Australia	2023 – 2025
Volunteer	Arid Recovery	2024
Volunteer Zookeeper	Taronga Zoo	2022 – 2023
Honours Student	UNSW Fowlers Gap Research Station	2022

Professional Experience

Ecologist
Biodiversity Australia, NSW (2025 - Present)

- Provide environmental assessments and wildlife management
- Management advice and data collection
- Undertake ecological surveys
- Species identification – Flora and Fauna (native and introduced)
- Liaised with onsite workers
- Vegetation, TEC and regional ecosystem identification, verification and mapping
- Weed surveys and mapping
- Significant species habitat assessments and impact management during construction and mining activities used in relation to the Endangered, Vulnerable and Near Threatened Species (EVNT) List and governing legislation
- Compiling written reports, accurately reporting the findings and providing recommendations on how to mitigate impacts during the relocation of wildlife habitats
- Interpretation and compliance with statutory regulations, safety/environment practices and organisational guidelines
- GIS Mapping
- Survey design and planning

Graduate Ecologist
Eco Logical Australia, NSW (2023 - 2025)

- Field surveys
- Site supervision
- Report and proposal preparation
- Conducting night and day field surveys, rescuing, trapping and handling native and exotic fauna
- Conducting desktop assessments
- Threatened species surveys

References

Name	Title	Company	Contact
A/Prof Lisa Schwanz	Deputy Director / Honours Supervisor	Evolution and Ecology Research Centre UNSW	l.schwanz@unsw.edu.au
Lachlan Metzler	Experienced Ecologist / Ecology Mentor	Eco Logical Australia	Contact number on request

Our people

Jonathan Vickers

Field Team Leader

Professional Profile

Jonathan joined Biodiversity Australia in 2020 as a field technician for the Carmichael Rail Network Project. Jonathan has been a valuable member of Biodiversity Australia and has demonstrated experience in pre-clearance inspection and reporting, fauna spotter/catcher works, fauna load reduction surveys, dewatering and weed management.

Qualifications, Certifications and Memberships

- James Cook University *-2014-2018-Bachelor of Science (Zoology and Botany)*
- Certificate II in Retail
- Certificate I Conservation and Land Management
- White Card Construction
- Chemical Distribution License ACDC

Career summary

Field Technician

Biodiversity Australia, QLD (Jan 2020- Present)

- Fauna Load Reduction surveys
- Pre-Clearance inspection & reporting
- Weed management
- Wildlife management services including snake handling, and fauna and habitat relocation
- Dewatering services

Conservation and Land Management Trainee

Townsville City Council – Mar - Aug 2018

- Ability to follow directions and complete tasks without supervision
- Working as part of a team to complete major tasks
- Safely using hazardous herbicides to poison noxious weeds
- Knowledge of the flora around the Townsville region
- Ability to assess threats and risks in order to complete tasks safely
- Maintaining and cleaning tools used on the job
- Using Brush cutters and pole saws to safely complete jobs

Sheet Fixer

Nick McConnell Plastering – 2013 – 2014

- Plasters assistant and general labourer

Sales Assistant

Gametraders – 2012 - 2013

- Greet and serve customers in a caring and concise manner
- Cash handling, cash register operation and reconciliation
- Merchandising and stocktaking
- Open and close procedures for the store
- Spearheading launch events for products (special releases, new products, deals and bundles)

Grounds Person
Laguna Quays Grounds and Maintenance – 2008 - 2010

- Used Greens Mowers to cut the aprons of the golf course
- Drove the Bunker Rake tractor over golf grounds to smooth the sand bunkers
- Used chainsaws and brush cutters safely to complete tasks
- Weeded and cleaned garden beds and resort areas
- Used spray packs with roundup to control weeds in bunkers

Relevant Project Experience

Date	Project	Key Role / Tasks
2020 - Present	BMD – Carmichael Rail Network for Adani	*Environmental Officer* Serviced the CRN project for wildlife management services including fauna handling and relocation and pre-clearance reporting
Present	Origin – Spring Gully	Serviced the Spring Gully project for wildlife management services including fauna handling and relocation and pre-clearance reporting. Further assisted with flora surveying for ecological works.

Our people

Rachel Fleming

Vegetation Field Team Leader

Professional profile

Rachel Fleming is a high-performing Field Team Leader in the Biodiversity Australia Vegetation Unit and is set to graduate with a Bachelor of Environmental Resource Management from Southern Cross University in 2025. With over five years of field experience in ecological restoration, she has a skilled understanding of ecological principles and practices. Rachel excels in fieldwork, data analysis, and environmental impact assessments, and is proficient in identifying native and invasive flora/fauna species. Her strong capabilities and experience, along with her attention to detail, ensure efficient work, and team safety

In the past, Rachel has led and coordinated teams in ecological restoration projects, fostering collaboration and accountability. Her extensive volunteer work with various not-for-profit organizations highlights her organisational abilities and commitment to a greater cause. Rachel also excels in engaging with stakeholders and the public, showcasing strong communication skills. Her work history includes roles such as a Graduate Ecologist, an Ecological Restoration Field Officer, and Bush Regenerator, among others.

Qualifications, Certifications and Memberships

- Bachelor of Environmental Science – Southern Cross University
- Accredited Chemical Distribution Certificate
- Commercial Operator's Licence
- Australian Construction White Card
- Backpack Spray Skill set
- Working Safely at Heights
- High Risk Work License – EWP
- Chainsaw License
- Traffic Management License
- First Aid and CPR

Key Skills

- Bush Regeneration & Ecological Restoration
- Handling & Application of Chemical Herbicides
- Native Plant & Invasive Weed Species Identification
- Post-Fire Recovery Works
- Spot Spraying and Erosion Control
- Hand Weeding and Pest Management
- Flora and Fauna Surveys
- Chemical Measurement and Mixing
- Data Collection and Analysis

Career summary

Vegetation Team Member	Biodiversity Australia	2024 - Current
Ecological Restoration Field Officer	Ecosure Environmental Consultancy	2023 - 2024
Wildlife Rescue Volunteer	WILVOS	2023 - 2024
Bush Regenerator	Toolijooa Environmental	2019 - 2021
Bush Regenerator	Dragonfly Environmental	2019 - 2021
Ecology Volunteer	Bush Heritage	2019 - 2024
Traffic Controller / Security Officer	Shusai Security	

Professional Experience

Vegetation Team Member
Biodiversity Australia, QLD (2024-Current)
- Native & Invasive weed species identification across South-East Queensland
- Tree removal including safe operation of chainsaws
- Safe operation of power tools including chainsaws and brush cutters and various hand tools
- Chemical Application for weed management through safe operation of QuikSpray, and Knapsack Spray units
- Provision of labour to environmental regeneration process, including ecological restoration
- Conduct vegetation assessment and surveys
- Tree planting
- Conducting BAM method flora surveys, threatened fauna surveys including; pitfall traps, spotlight transects and Elliot trapping.
- Remote field data collection.

Ecological Restoration Field Officer
Ecosure Environmental Consultancy (2023-2024)
- Led teams of 3-5 in ecological restoration, ensuring compliance with regulations.
- Managed maintenance and safety across diverse ecological communities.
- Proficient in chemical application for vegetation management.
- Worked effectively in remote settings with strong communication.
- Collected and analyzed ecological data to inform strategies.
- Managed reports, timesheets, and mapping using Avenza maps.

Bush Regenerator
Toolijooa Environmental (2019-2021)
- Conducted environmental restoration across Eastern Sydney, managing diverse plant communities.
- Performed primary, secondary, and maintenance work on various site conditions.
- Identified and removed plants, constructed fences, stabilized banks, brush cut, planted, and conducted intricate hand weeding.
- Worked independently and collaboratively on assigned tasks.
- Liaised with the public, explaining restoration principles and processes
- Data compilation and analysis
- Tree planting

Our people

Courtney Smith

Graduate Scientist

Professional profile

Courtney has recently joined the Biodiversity Australia team as a graduate marine scientist and is equipped with a well-rounded experience gained from a combination of industry appointments and formal qualifications. Courtney has completed a Bachelor of Coastal and Marine Science with a focus on water and resource management. Additionally, Courtney has proven her skills in the field with experience in data analysis and industry report writing for both private and government organisations across NSW.

Qualifications, Certifications and Memberships

- Bachelor of Coastal and Marine Science, University of Newcastle

Key Skills

- Data collection, entry, and analysis
- Academic writing and reporting
- Client relations (liaising with industry partners)
- Working in teams conducting marine field work

Professional Experience

Graduate Marine Scientist
Biodiversity Australia, QLD (2024-Current)

- Undertake data analysis and report writing
- *Data collection in field work activities*

Bar and Restaurant Supervisor
Royal Crown Hotel (2019-2024)

- Quality assurance of food and beverages
- Customer service of various clientele

Sailing Instructor
Newcastle Cruising Yacht Club (2019-2022)

- Creation and maintenance to a positive and safe environment
- Adherence to the Australian teaching curriculum
- Health and safety compliance

References

Name	Position	Organization	Phone Number
Alicia Marix-Evans	Manager	Property, Environment and Planning, Port of Newcastle	0487 405 508
Rebecca Frost	Manager	Newcastle Cruising Yacht Club	0411 205 765

A-13 BAM Minimum Information Requirements Checklist

Table 78: Minimum information required for the BDAR Stage 1

Report Section	BAM Ref	Information	Report Section
Introduction	Chapters 2 and 3	**INFORMATION** Introduction to the biodiversity assessment including: ☐ brief description of the proposal ☐ identification of Subject Land1 boundary, including: ☐ operational footprint (if BDAR) ☐ construction footprint indicating clearing associated with temporary/ancillary construction facilities and infrastructure (if BDAR) ☐ land proposed for biodiversity certification (if BCAR) ☐ general description of the Subject Land ☐ sources of information used in the assessment, including reports and spatial data	 ☐ Section 1.1 ☐ Section 1.2, Figures 1, 2, 3, ☐ Section 1.4 ☐ Section 1.5
		MAPS and TABLES (in document) ☐ Map of the Subject Land boundary showing the final proposal footprint, including the construction footprint for any clearing associated with temporary/ancillary construction facilities and infrastructure (if BDAR)	 ☐ Figures 1, 2, 3
		DATA (to be supplied) N/A	
Landscape Context	Sections 3.1 and 3.2, Appendix E	**INFORMATION** Identification of site context components and landscape features, including: ☐ general description of Subject Land topographic and hydrological setting, geology and soils ☐ percent native vegetation cover in the assessment area (as described in BAM Section 3.2) ☐ IBRA bioregions and subregions (as described in BAM Subsection 3.1.3(2.)) ☐ rivers and streams classified according to stream order (as described in BAM Subsection 3.1.3(3.) and Appendix E) ☐ wetlands within, adjacent to and downstream of the site (as described in BAM Subsection 3.1.3(3.)) ☐ connectivity of different areas of habitat (as described in BAM Subsection 3.1.3(5–6.)) ☐ karst, caves, crevices, cliffs, rocks and other geological features of significance and for vegetation clearing proposals, soil hazard features (as described in BAM Subsections 3.1.3(7.) and 3.1.3(12.) ☐ areas of outstanding biodiversity value occurring on the Subject Land and assessment area (as described in BAM Subsection 3.1.3(8–9.)) ☐ any additional landscape features identified in any SEARs for the proposal ☐ NSW (Mitchell) landscape on which the Subject Land occurs	 ☐ Section 2 ☐ Section 2.1.2, Figure 5 ☐ Section 2.1.1 ☐ Section 2.1.4 ☐ Section 2.1.4 ☐ Section 2.1.4, Figure 6 ☐ Section 2.1.4 ☐ Section 2.1.5, Figure 4 ☐ Section 2.1.4 ☐ Section 2.1.1
		MAPS and TABLES (in document) ☐ Site Map ☐ Boundary of Subject Land ☐ Cadastre of Subject Land ☐ Landscape features identified in BAM Subsection 3.1.3 ☐ Location Map ☐ Digital aerial photography at 1:1,000 scale or finer ☐ Boundary of Subject Land ☐ Assessment area, (i.e. the Subject Land and either 1500 m buffer area or 500 m buffer for linear development ☐ Landscape features identified in BAM Subsection 3.1.3 ☐ Additional detail (e.g. local government area boundaries) relevant at this scale	**For following maps and images:** ☐ Figures 1, 2, 4, 5, 6

Report Section	BAM Ref	Information	Report Section
		Landscape features identified in BAM Subsection 3.1.3 and to be shown on the Site Map and/or Location map include: ☐ IBRA bioregions and subregions ☐ rivers, streams and estuaries ☐ wetlands and important wetlands ☐ connectivity of different areas of habitat ☐ karst, caves, crevices, cliffs, rocks and other geological features of significance and if required, soil hazard features ☐ areas of outstanding biodiversity value occurring on the Subject Land and assessment area ☐ any additional landscape features identified in any SEARs for the proposal ☐ NSW (Mitchell) landscape on which the Subject Land occurs	
		DATA (to be supplied) ☐ All report maps as separate jpeg files Individual digital shape files of: ☐ Subject Land boundary ☐ assessment area (i.e. Subject Land and 1500 m buffer area) boundary ☐ cadastral boundary of Subject Land ☐ areas of native vegetation cover ☐ landscape features	
Native Vegetation	Chapter 4, Appendix A and Appendix H	**INFORMATION** ☐ Identify native vegetation extent within the Subject Land, including cleared areas and evidence to support differences between mapped vegetation extent and aerial imagery (as described in BAM Section 4.1(1–3.) and Subsection 4.1.1) ☐ Provide justification for all parts of the Subject Land that do not contain native vegetation (as described in BAM Subsection 4.1.2) ☐ Review of existing information on native vegetation including references to previous vegetation maps of the Subject Land and assessment area (described in BAM Section 4.1(3.) and Subsection 4.1.1) ☐ Describe the systematic field-based floristic vegetation survey undertaken in accordance with BAM Section 4.2 ☐ Where relevant, describe the use of more appropriate local data, provide reasons that support the use of more appropriate local data and include the written confirmation from the decision-maker that they support the use of more appropriate local data (as described in BAM Subsection 1.4.2 and Appendix A) For each PCT within the Subject Land, describe: ☐ vegetation class ☐ extent (ha) within Subject Land ☐ evidence used to identify a PCT including any analyses undertaken, references/sources, existing vegetation maps (BAM Section 4.2(1–3.)) ☐ plant species relied upon for identification of the PCT and relative abundance of each species ☐ if relevant, TEC status including evidence used to determine vegetation is the TEC (BAM Subsection 4.2.2(1–2.)) ☐ estimate of percent cleared value of PCT (BAM Subsection 4.2.1(5.)) Describe the vegetation integrity assessment of the Subject Land, including: ☐ identification and mapping of vegetation zones (as described in BAM Subsection 4.3.1) ☐ assessment of patch size (as described in BAM Subsection 4.3.2) ☐ survey effort (i.e. number of vegetation integrity survey plots) as described in BAM Subsection 4.3.4(1–2.) ☐ use of relevant benchmark data from BioNet Vegetation Classification (as described in BAM Subsection 4.3.3(5.)) Where use of more appropriate local benchmark data is proposed (as described in BAM Subsection 1.4.2, BAM Subsection 4.3.3(5.) and BAM Appendix A):	☐ Section 3.2 ☐ Section 3.2 ☐ Section 3.2, Figure 7 ☐ Section 3.1 ☐ Section 3.1 ☐ Section 3.2.1, Table 3 ☐ Section 3.2.1, Table 3 ☐ Section 3.2.2 ☐ Section 3.2.2 ☐ Section 3.2.1, Section 3.3 ☐ Section 3.2.1, Table 3 ☐ Section 3.4 ☐ Section 3.4, Figure 9 ☐ Section 3.4, Table 4 ☐ Section 3.1.1, 3.1.2 ☐ Section 3.1.2 ☐ Section 3.2 n/a n/a n/a n/a

Report Section	BAM Ref	Information	Report Section
		☐ identify the PCT or vegetation class for which local benchmark data will be applied ☐ identify published sources of local benchmark data (if benchmarks obtained from published sources) ☐ describe methods of local benchmark data collection (if reference plots used to determine local benchmark data) ☐ provide justification for use of local data rather than BioNet Vegetation Classification benchmark values ☐ provide written confirmation from the decision-maker that they support the use of local benchmark data	
		MAPS and TABLES (in document) ☐ Map of native vegetation extent within the Subject Land at scale not greater than 1:10,000 including identification of cleared areas (as described in BAM Section 4.1(1–3.)) and all parts of the Subject Land that do not contain native vegetation (BAM Subsection 4.1.2) ☐ Map of PCTs within the Subject Land (as described in BAM Section 4.2(1.)) ☐ Map of vegetation zones within the Subject Land (as described in BAM Subsection 4.3.1) ☐ Map the location of floristic vegetation survey plots and vegetation integrity survey plots relative to PCTs boundaries ☐ Map of TEC distribution on the Subject Land and table of TEC listing, status and area (ha) ☐ Map of patch size locations for each native vegetation zone and table of patch size areas (as described in BAM Subsection 4.3.2) Table of current vegetation integrity scores for each vegetation zone within the site and including: ☐ composition condition score ☐ structure condition score ☐ function condition score ☐ presence of hollow bearing trees	☐ Figure 5 ☐ Figure 7 **Maps/Figures for following:** ☐ Figure 9 **Table for following:** ☐ Table 4 ☐ Table 9
		DATA (to be supplied) ☐ All report maps as separate jpeg files ☐ Plot field data (MS Excel format) ☐ Plot field data sheets Digital shape files of: ☐ PCT boundaries within Subject Land ☐ TEC boundaries within Subject Land ☐ vegetation zone boundaries within Subject Land ☐ floristic vegetation survey and vegetation integrity plot locations	
Threatened Species	Chapter 5	**INFORMATION** Identify ecosystem credit species likely to occur on the Subject Land, including: ☐ list of ecosystem credit species derived from the BAM-C (as described in BAM Subsection 5.1.1 and Section 5.2(1.)) ☐ justification and supporting evidence for exclusion of any ecosystem credit species based on geographic limitations, habitat constraints or vagrancy (as described in BAM Subsections 5.2.1 and 5.2.2) ☐ justification for addition of any ecosystem credit species to the list Identify species credit species likely to occur on the Subject Land, including: ☐ list of species credit species derived from the BAM-C (as described in BAM Subsection 5.1.1) ☐ justification and supporting evidence for exclusions based on geographic limitations, habitat constraints or vagrancy (as described in BAM Subsections 5.2.1 and 5.2.2) ☐ justification and supporting evidence for exclusions based on degraded habitat constraints and/or microhabitats on which the species depends (as described in BAM Subsection 5.2.2)	☐ Section 4.1.1, Table 5 ☐ Section 4.1.1, Table 6 ☐ Section 4.1.1 ☐ Section 4.2.1, Table 7 ☐ Table 8 ☐ Table 8 ☐ Section 4.2.1

Report Section	BAM Ref	Information	Report Section
		☐ justification for addition of any species credit species to the list	
		From the list of candidate species credit species, identify:	
		☐ species assumed present within the Subject Land (if relevant) (as described in BAM Subsection 5.2.4(2.a.))	☐ Section 4.3
		☐ species present within the Subject Land on the basis of being identified on an important habitat map for a species (as described in BAM Subsection 5.2.4(2.d.))	☐ Section 4.3
		☐ species for which targeted surveys are to be completed to determine species presence (Subsection 5.2.4(2.b.))	☐ Section 4.3.1
		☐ species for which an expert report is to be used to determine species presence (Subsection 5.2.4(2.c.))	
		Present the outcomes of species credit species assessments from:	☐ Section 4.3.1
		☐ threatened species survey (as described in BAM Section 5.2.4)	☐ Section 4.3.1
		☐ expert reports (if relevant) including justification for presence of the species and information used to make this determination (as described in BAM Section 5.2.4 and 5.3, Box 3)	☐ Table 7, Section 4.3.1
		Where survey has been undertaken include detailed information on:	
		☐ survey method and effort, (as described in BAM Section 5.3)	☐ Section 4.3.1
		☐ justification of survey method and effort (e.g. citation of peer-reviewed literature) if approach differs from the Department's taxa-specific survey guides or where no relevant guideline has been published	☐ Section 4.3.1 n/a
		☐ timing of survey in relation to requirements in the TBDC or the Department's taxa-specific survey guides. Where survey was undertaken outside these guides include justification for the timing of surveys	n/a n/a
		☐ survey personnel and relevant experience	**N/a for following**
		☐ describe any limitations to surveys and how these were addressed/overcome	
		Where an expert report has been used in place of survey (as described in BAM Section 5.3, Box 3), include:	
		☐ justification of the use of an expert report	
		☐ identify the expert, provide evidence of their expert credentials and Departmental approval of expert status	
		☐ all requirements of Box 3 have been addressed in the expert report	N/a
		Where use of local data is proposed (BAM Subsection 1.4.2):	
		☐ identify relevant species	
		☐ identify data to be amended	☐ Figure 10
		☐ identify source of information for local data, e.g. published literature, additional survey data, etc.	N/a
		☐ justify use of local data in preference to VIS Classification or TBDC data	
		☐ provide written confirmation from the decision-maker that they support the use of local data	N/a N/a
		Species polygon completed for species credit species present within the Subject Land (assumed present or determined on the basis of survey, expert report or important habitat map) ensuring that:	N/a
		☐ the unit of measure for each species is documented	
		for species assessed by area:	N/a
		☐ the polygon includes the extent of suitable habitat for the target species within the Subject Land (as described in BAM Subsection 5.2.5)	
		☐ a description of, and evidence-based justification for, the habitat constraints, features or microhabitats used to map the species polygon including reference to information in the TBDC for that species and any buffers applied	
		for species assessed by counts of individuals:	
		☐ the number of individual plants present on the Subject Land (as described in BAM Subsection 5.2.5(3.))	
		☐ the method used to derive this number (i.e. threatened species survey or expert report) and evidence-based justification for the approach taken	
		☐ the polygon includes all individuals located on the Subject Land with a buffer of 30 m around the individuals or groups of individuals on the Subject Land	
		☐ Identify the biodiversity risk weighting for each species credit species identified as present within the Subject Land (as described in BAM Section 5.4)	

Report Section	BAM Ref	Information	Report Section
		MAPS and TABLES (in document)	
		☐ Table showing ecosystem credit species in accordance with BAM Section 5.1.1, and identifying:	☐ Table 5 ☐ Table 6
		☐ the ecosystem credit species removed from the list	
		☐ the sensitivity to gain class of each species	☐ Table 7
		☐ Table detailing species credit species in accordance with BAM section 5.2 and identifying:	☐ table 8
		☐ the species credit species removed from the list of species because the species is considered vagrant, out of geographic range or the habitat or micro habitat features are not present	☐ Section 4.4.1
		☐ the candidate species credit species not recorded on the Subject Land as determined by targeted survey, expert report or important habitat map	n/a
		☐ Table detailing species credit species recorded or assumed as present within the Subject Land, habitat constraints or microhabitats associated with the species, counts of individuals (flora)/extent of suitable habitat (flora and fauna) (as described in BAM Subsection 5.2.6) and biodiversity risk weighting (BAM Section 5.4)	n/a
		☐ Map indicating the GPS coordinates of all individuals of each species recorded within the Subject Land and the species polygon for each species (as described in BAM Subsection 5.2.5)	
		DATA (to be supplied)	
		☐ Digital shape files of suitable habitat identified for survey for each candidate species credit species	
		☐ Survey locations including GPS coordinates of any plots, transects, grids	
		☐ Digital shape files of each species polygon including GPS coordinates of located individuals	
		☐ Species polygon map in jpeg format	
		☐ Expert reports and any supporting data used to support conclusions of the expert report	
		☐ Field data sheets detailing survey information including prevailing conditions, date, time, equipment used, etc.	
Prescribed Impacts	Chapter 6	**INFORMATION**	
		Identify potential prescribed biodiversity impacts on threatened entities, including:	**For the following:**
		☐ karst, caves, crevices, cliffs, rocks and other geological features of significance (as described in BAM Subsection 6.1.1)	☐ Section 4.4.2, Table 9
		☐ occurrences of human-made structures and non-native vegetation (as described in BAM Subsection 6.1.2)	
		☐ corridors or other areas of connectivity linking habitat for threatened entities (as described in BAM Subsection 6.1.3)	
		☐ water bodies or any hydrological processes that sustain threatened entities (as described in BAM Subsection 6.1.4)	
		☐ protected animals that may use the proposed wind farm development site as a flyway or migration route (as described in BAM Subsection 6.1.5)	
		☐ where the proposed development may result in vehicle strike on threatened fauna or on animals that are part of a threatened ecological community (as described in BAM Subsection 6.1.6)	
		☐ Identify a list of threatened entities that may be dependent upon or may use habitat features associated with any of the prescribed impacts	n/a
		☐ Describe the importance of habitat features to the species including, where relevant, impacts on life-cycle or movement patterns (e.g. Subsection 6.1.3)	
		Where the proposed development is for a wind farm:	n/a
		☐ identify a candidate list of protected animals that may use the development site as a flyway or migration route, including: resident threatened aerial species, resident raptor species and nomadic and migratory species that are likely to fly over the proposal area (as described in BAM Subsection 6.1.5)	n/a
		☐ provide details of targeted survey for candidate species of wind farm developments undertaken in accordance with BAM Subsection 6.1.5(2–3.)	

Report Section	BAM Ref	Information	Report Section
		☐ predict the habitual flight paths for nomadic and migratory species likely to fly over the Subject Land and map the likely habitat for resident threatened aerial and raptor species (BAM Subsection 6.1.5(4.))	
		MAPS and TABLES (in document) ☐ Map showing location of any prescribed impact features (i.e. karst, caves, crevices, cliffs, rocks, human-made structures, etc.) ☐ Maps of habitual flight paths for nomadic and migratory species likely to fly over the site and maps of likely habitat for threatened aerial species resident on the site (for wind farm developments only)	n/a n/a
		DATA (to be supplied) ☐ Digital shape files of prescribed impact feature locations ☐ Prescribed impact features map in jpeg format	

Table 79: Minimum information required for the BDAR Stage 2

Report Section	BAM Ref	Information	Maps and Tables (in document)	Data (to be supplied)	Report Section
Avoid and minimise impacts	Chapter 7	**INFORMATION** Demonstration of efforts to avoid and minimise impacts on biodiversity values (including prescribed impacts) associated with the proposal location in accordance with Chapter 7, including an analysis of alternative: ☐ modes or technologies that would avoid or minimise impacts on biodiversity values and justification for selecting the proposed mode or technology ☐ routes that would avoid or minimise impacts on biodiversity values and justification for selecting the proposed route ☐ alternative locations that would avoid or minimise impacts on biodiversity values and justification for selecting the proposed location ☐ alternative sites within a property on which the proposal is located that would avoid or minimise impacts on biodiversity values and justification for selecting the proposed site ☐ Describe efforts to avoid and minimise impacts (including prescribed impacts) to biodiversity values through proposal design (as described in BAM Sections 7.1 and 7.2) ☐ Identification of any other site constraints that the proponent has considered in determining the location and design of the proposal (as described in BAM Section 7.2.1(3.))			☐ Section 5 **For the following:** ☐ Section 5.2, Section 5.3, 5.4 and 5.5
		MAPS and TABLES (in document) ☐ Table of measures to be implemented to avoid and minimise the impacts of the proposal, including action, outcome, timing and responsibility ☐ Map of alternative footprints considered to avoid or minimise impacts on biodiversity values; and of the final proposal footprint, including construction and operation ☐ Maps demonstrating indirect impact zones where applicable			☐ Table 10 n/a n/a
		DATA (to be supplied) Digital shape files of: ☐ alternative and final proposal footprint ☐ direct and indirect impact zones ☐ Maps in jpeg format			
Assessment of Impacts	Chapter 8, Sections 8.1 and 8.2	**INFORMATION** ☐ Determine the impacts on native vegetation and threatened species habitat, including a description of direct impacts of clearing of native vegetation, threatened ecological communities and threatened species habitat (as described in BAM Section 8.1) Assessment of indirect impacts on vegetation and threatened species and their habitat including (as described in BAM Section 8.2): ☐ description of the nature, extent, frequency, duration and timing of indirect impacts of the proposal ☐ documenting the consequences to vegetation and threatened species and their habitat including evidence-based justifications ☐ reporting any limitations or assumptions, etc. made during the assessment ☐ identification of the threatened entities and their habitat likely to be affected Assessment of prescribed biodiversity impacts (as described in BAM Section 8.3) including: assessment of the nature, extent and duration of impacts on the habitat of threatened species or ecological communities associated with: ☐ karst, caves, crevices, cliffs, rocks and other features of geological significance ☐ human-made structures ☐ non-native vegetation ☐ connectivity of different areas of habitat of threatened species that facilitates the movement of those species across their range ☐ movement of threatened species that maintains their life cycle			**For the following:** ☐ Section 5.2, 5.3, 5.4, and 6

Report Section	BAM Ref	Information	Maps and Tables (in document)	Data (to be supplied)	Report Section
		☐ water quality, water bodies and hydrological processes that sustain threatened species and threatened ecological communities ☐ assessment of the impacts of wind turbine strikes on protected animals ☐ assessment of the impacts of vehicle strikes on threatened species of animals or on animals that are part of a TEC			
		MAPS and TABLES (in document) ☐ Table showing change in vegetation integrity score for each vegetation zone as a result of identified impacts			☐ Table 11
		DATA (to be supplied) N/A			
Mitigation and Management of Impacts	Chapter 8, Sections 8.4 and 8.5	**INFORMATION** Identification of measures to mitigate or manage impacts in accordance with the recommendations in BAM Sections 8.4 and 8.5 including: ☐ techniques, timing, frequency and responsibility ☐ identify measures for which there is risk of failure ☐ evaluate the risk and consequence of any residual impacts ☐ document any adaptive management strategy proposed Identification of measures for mitigating impacts related to: ☐ displacement of resident fauna (as described in BAM Subsection 8.4.1(2.)) ☐ indirect impacts on native vegetation and habitat (as described in BAM Subsection 8.4.1(3.)) ☐ mitigating prescribed biodiversity impacts (as described in BAM Subsection 8.4.2) ☐ Details of the adaptive management strategy proposed to monitor and respond to impacts on biodiversity values that are uncertain (BAM Section 8.5)			**For the following:** ☐ Section 5.5
		MAPS and TABLES (in document) ☐ Table of measures to be implemented to mitigate and manage impacts of the proposal, including action, outcome, timing and responsibility DATA (to be supplied) – N/A			☐ Section 5.5.14, Table 10
		DATA (to be supplied) N/A			
Impact Summary	Chapter 9	**INFORMATION** Identification and assessment of impacts on TECs and threatened species that are at risk of a serious and irreversible impacts (SAII, in accordance with BAM Section 9.1) including: ☐ addressing all criteria in Subsection 9.1.1 for each TEC listed as at risk of an SAII present on the Subject Land ☐ addressing all criteria in Subsection 9.1.2 for each threatened species at risk of an SAII present on the Subject Land ☐ documenting assumptions made and/or limitations to information ☐ documenting all sources of data, information, references used or consulted ☐ clearly justifying why any criteria could not be addressed ☐ Identification of impacts requiring offset in accordance with BAM Section 9.2 ☐ Identification of impacts not requiring offset in accordance with BAM Subsection 9.2.1(3.) ☐ Identification of areas not requiring assessment in accordance with BAM Section 9.3			**For the following:** ☐ Section 6.1
		MAPS and TABLES (in document) ☐ Map showing the extent of TECs at risk of an SAII within the Subject Land ☐ Map showing location of threatened species at risk of an SAII within the Subject Land Map showing location of: ☐ impacts requiring offset ☐ impacts not requiring offset			n/a n/a n/a n/a

Report Section	BAM Ref	Information	Maps and Tables (in document)	Data (to be supplied)	Report Section
		☐ areas not requiring assessment			n/a
		DATA (to be supplied) Digital shape files of: ☐ extent of TECs at risk of an SAII within the Subject Land ☐ location of threatened species at risk of an SAII within the Subject Land ☐ boundary of impacts requiring offset ☐ boundary of impacts not requiring offset ☐ boundary of areas not requiring assessment ☐ Maps in jpeg format.			
Impact Summary	Chapter 10	**INFORMATION** Ecosystem credits and species credits that measure the impact of the development on biodiversity values, including: ☐ future vegetation integrity score for each vegetation zone within the Subject Land (Equation 25 and Equation 26 in BAM Appendix H) ☐ change in vegetation integrity score (BAM Subsection 8.1.1) ☐ number of required ecosystem credits for the direct impacts of the proposal on each vegetation zone within the Subject Land (BAM Subsection 9) ☐ number of required species credits for each candidate threatened species that is directly impacted on by the proposal (BAM Subsection 10.1.3)			☐ Section 6.2 and 6.3 ☐ Table 11 ☐ Table 11 ☐ Table 11 ☐ Table 12
		MAPS and TABLES (in document) ☐ Table of PCTs requiring offset and the number of ecosystem credits required ☐ Table of threatened species requiring offset and the number of species credits required			☐ Table 11 ☐ Table 12
		DATA (to be supplied) ☐ Submitted proposal in the BAM Calculator			
Biodiversity Credit Report	Chapter 10	**INFORMATION** ☐ Description of credit classes for ecosystem credits and species credits at the development or clearing site or land to be biodiversity certified (BAM Section 10.2)			☐ Section 6.2, 6.3
		MAPS and TABLES (in document) ☐ Table of credit class and matching credit profile			n/a
		DATA (to be supplied) ☐ BAM credit report in pdf format			☐ Appendix A-5
Biodiversity certification offsets and strategy (biodiversity certification only)	Chapter 12 and Appendix J	**INFORMATION** Land-based conservation measures including (strategic biodiversity certification only): ☐ identification of parcels subject to land-based conservation measures ☐ identification of land-based conservation measures proposed for each parcel ☐ supporting information to demonstrate suitability of land-based conservation measures (Appendix J) ☐ credit score of land-based conservation measures (Appendix J) Biodiversity certification strategy including: ☐ land proposed for biodiversity certification ☐ land proposed for biodiversity conservation ☐ proposed conservation measures ☐ legal mechanisms for securing delivery of proposed conservation measures ☐ parties to the biodiversity certification and responsibilities, noting where biodiversity certification agreements are proposed ☐ timing for delivery of conservation measures ☐ funding sources for delivery of conservation measures ☐ framework for monitoring, reporting or auditing implementation of conservation measures			**For the following:** n/a
		MAPS and TABLES (in document)			**For the following:**

Report Section	BAM Ref	Information	Maps and Tables (in document)	Data (to be supplied)	Report Section
		☐ Maps of parcels of land proposed for land-based conservation measures ☐ Maps as per Appendix M as required in relation to any land-based conservation measures ☐ Tables as per Appendix M as required in relation to any land-based conservation measures ☐ Table of credit scores for land-based conservation measures, including scores produced by BAM and weighting adjusted scores as per Appendix J			N/a
		DATA (to be supplied) ☐ Digital shape files of parcels of land proposed for land-based conservation measures ☐ Maps in jpeg format			