

Groundwork part of SLR

## **Native Vegetation Clearance Data Report**

### **RN 12000 Strzelecki Track Upgrade**

### **MM 300 – MM 369**

Clearance under the *Native Vegetation Regulations 2017*

**Prepared for:** Department for Infrastructure and Transport

**Date:** 03 September 2025

**File Reference:** 2547.610.022V1

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# DOCUMENT CONTROL

## PROJECT / DETAILS REPORT

<b>Document Title:</b>	Native Vegetation Clearance Data Report RN 12000 Strzelecki Track Upgrade MM 300 – MM 369
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## ATTACHMENTS

Attachment 1	Rangeland Assessment Scoresheets
Attachment 2	Plant Species Recorded (Native and Introduced)
Attachment 3	Vegetation Associations Photo Log
Attachment 4	<i>Environment Protection Biodiversity Conservation Act 1999</i> Protected Matters Report
Attachment 5	Threatened Species Summary
Attachment 6	Plains Wanderer Technical Memorandum

# 1 Applicant Information

## Application Details

<b>Applicant:</b>	Department for Infrastructure and Transport (DIT)		
<b>Key contact:</b>	Name:	Senior Environmental Advisor	
	Contact details:	Pirie Street, Adelaide 5000	
<b>Landowner:</b>	Name:	Road Reserve and Crown Lease	
	Contact details:	As above	
<b>Site address:</b>	RN120000 Strzelecki Track, MM300 – MM369		
<b>Local Government Area:</b>	Pastoral Unincorporated Area	Hundred:	OH (Callabonna)
<b>Title ID:</b>	CL6207/326	Parcel ID:	D42203 A24

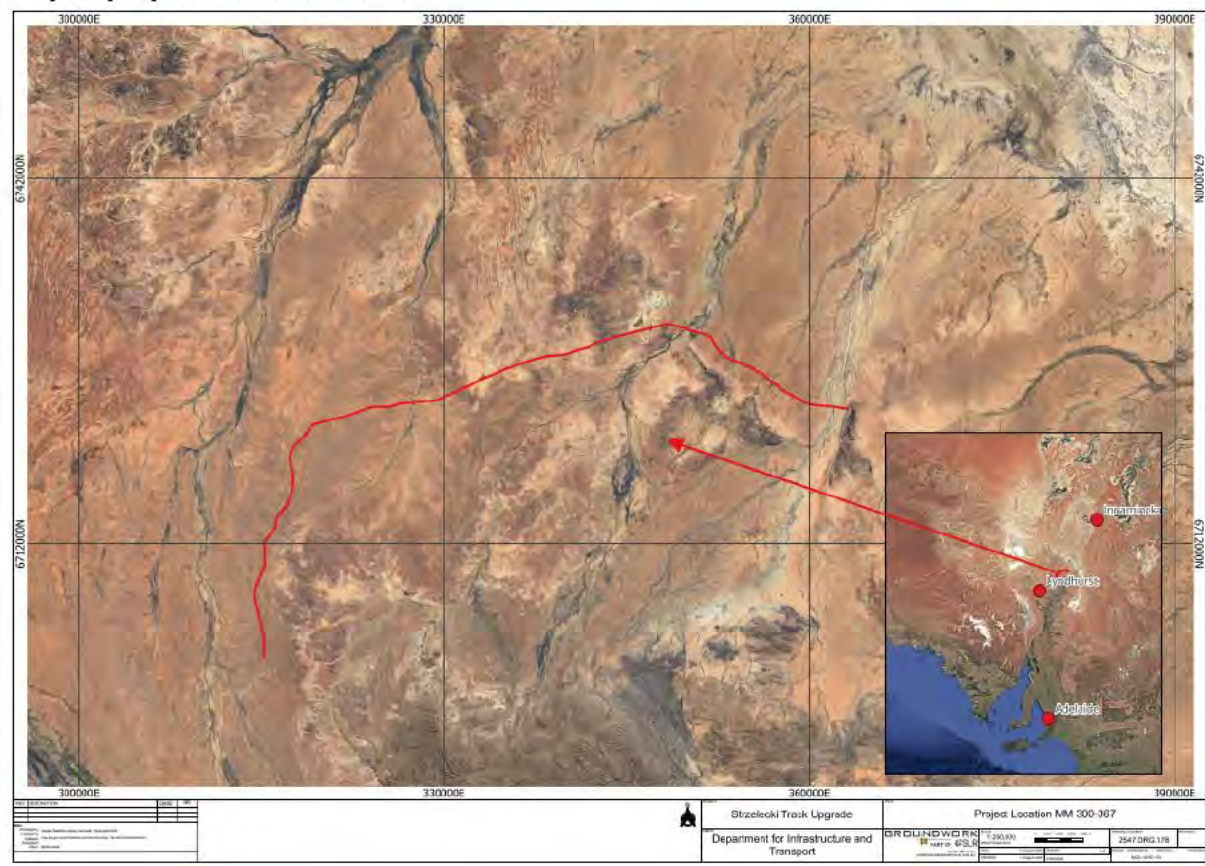
## Summary of Proposed Clearance

<b>Purpose of clearance</b>	<p>The proposed upgrade of the Strzelecki Track between Maintenance Marker (MM) 300 and MM 369 (the Project Area) forms part of the overall Strzelecki Track upgrade and sealing project and aims to improve transport reliability, travel times, lower transport operating costs and improve road safety.</p> <p>Clearance of vegetation is required where proposed construction activities exceed the current road formation and maintenance activity zone.</p>
<b>Native Vegetation Regulation</b>	<i>Part 6, Regulation 12 (32) – Works on behalf of the Commissioner of Highways.</i>
<b>Description of the vegetation under application</b>	<p>0.066 ha of <i>Acacia salicina</i> shrubland over <i>Myoporum</i> sp.</p> <p>3.738 ha <i>Atriplex holocarpa</i> +/- <i>Sclerolaena</i> spp. very open low shrubland</p> <p>0.108 ha of <i>Acacia victoriae</i> open shrubland</p> <p>0.033 ha of <i>Acacia victoriae</i> +/- <i>Acacia salicina</i> open shrubland</p> <p>0.31 ha of <i>Senna artemisioides</i> +/- <i>Maireana apressa</i> shrubland with emergent <i>Santalum lanceolata</i></p> <p>0.781 ha of <i>Acacia salicina</i> open shrubland over <i>Maireana aphylla</i> +/- <i>Senna artemisioides</i></p> <p>1.172 ha of <i>Maireana astrotricha</i> +/- <i>Sida petrophila</i> open shrubland over <i>Zygophyllum</i> sp.</p> <p>23.993 ha of <i>Sclerolaena</i> spp. +/- <i>Dissocarpus paradoxa</i> very open low shrubland</p> <p>0.443 ha of <i>Eucalyptus camaldulensis</i> open forest</p>



	<p>3.225 ha of <i>Sclerolaena</i> spp. low open shrubland</p> <p>0.33 ha of Low Chenopods and annuals with emergent <i>Acacia salicina</i></p> <p>0.394 ha of <i>Tecticornia</i> sp. +/- <i>Frankenia</i> sp. low shrubland with emergent <i>Acacia salicina</i> +/- <i>Myoporum</i> sp.</p> <p>0.52 ha of <i>Eremophila</i> spp. open shrubland over <i>Maireana</i> spp.</p> <p>3.4 ha of <i>Maireana aphylla</i> low shrubland</p> <p>0.091 ha of <i>Maireana pyramidata</i> +/- <i>Zygophyllum</i> sp. low shrubland</p> <p>0.266 ha of <i>Acacia salicina</i> +/- <i>Santalum lanceolata</i> shrubland over <i>Maireana aphylla</i></p> <p>1.167 ha of <i>Maireana</i> spp. +/- <i>Sida petrophila</i> low shrubland with emergent <i>Myoporum platycarpum</i></p> <p>5.521 ha of <i>Sclerolaena</i> spp. very low open shrubland</p> <p>3.221 ha of <i>Maireana astrotricha</i> +/- <i>Maireana pyramidata</i> low open shrubland</p>
<b>Total proposed clearance - area (ha) and number of trees</b>	48.779 ha are proposed to be cleared.
<b>Level of clearance</b>	Level 4
<b>Overlay (planning and design code)</b>	Zone – Remote Areas – RA Overlays – Native Vegetation

#### Map of proposed clearance area



## Mitigation hierarchy

Typical road drawings have been produced with the aim to avoid and reduce the native vegetation clearance impacts as well as the potential impacts to heritage sites.

The planned Strzelecki Track upgrades are located at areas that have been exposed to a moderate level of previous vegetation clearance associated with road construction and maintenance activities.

Cut-off drains have been positioned within existing cut-off drains locations and have avoided any new clearance associated with roadside drainage.

Water crossings are required to facilitate the movement of water across the roadway, to ensure safety of road users. Clearance is unable to be avoided to ensure appropriate tying-in with surrounding landscape to ensure that water can flow freely away from the road formation.

Existing campsites and stack sites are proposed to be used where possible. One new campsite has been proposed, this has been proposed as an existing campsite was identified during the field assessment as being highly eroded and unsuitable for use. An alternative area in sparse vegetation has been selected. One new stack site is proposed adjacent to an existing borrow pit to enable material to be stockpiled once excavated from the pit. An extension to one campsite/stack site has been proposed as part of the existing site has been eroded and unsuitable for use.

Extensions to borrow pits are unable to be avoided to source enough local material to complete the required construction. This reduces the overall environmental impact by reducing the supply chain for some material.

Native vegetation clearance will only be required for minimal widths along the length of the Project Area, as outlined in **Section 4.1 Vegetation Assessment**. The design of the final road formation has been made in consideration of the existing road alignment and disturbance areas to ensure the extent of impacts of clearance have been minimised to the lowest possible to achieve the sealing of the roadway and to be an appropriate size for the traffic volume and design speed.

Dimensions of cut-off drains and water crossings have been planned to reduce the impact of vegetation clearance whilst still allowing the necessary construction activities to be completed.

All contractors will be made aware of the environmental obligations through the implementation of a Contractors Environmental Management Plan (CEMP) during construction to ensure there is no unnecessary damage to surrounding vegetation.

It is expected that native vegetation will naturally regenerate all disturbed areas that are not within the sealed road footprint,

	consistent with observations of past clearance and upgrades completed along the Strzelecki Track.
<b>Significant Environmental Benefit (SEB) Offset proposal</b>	Payment of \$231,928.71, including administration fee of \$12,091.07, to be paid into the Native Vegetation Fund (NVF) with opportunities to provide on-ground SEB Offsets via an NVC Accredited Third Party Provider currently being investigated.



## 2 Purpose of Clearance

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### 2.1 Description

Groundwork part of SLR (Groundwork) have been engaged by DIT to undertake a native vegetation assessment for the purpose of clearance for the Project Area as part of the overall Strzelecki Track Upgrade Project. The Project Area forms part of Stage 3 of the overall upgrade and is currently within the pre-delivery phase. The Strzelecki Track Upgrade Project intends to seal the entirety of the Track over several stages and successive years. Currently, sealing works have been completed for some sections, with some currently in the construction phase. Other sections are still in either design or planning stages.

### 2.2 Background

The Strzelecki Track is primarily utilised as a transport route for the oil and gas facilities located within the Cooper Basin and the southern access route for the Innamincka township. The direct benefits of the Strzelecki Track upgrade project include, improved transport reliability and safety, improved travel times and lower transport and vehicle operating costs for road users. The Strzelecki Track upgrade is a priority for the Australian and South Australian Governments as it is the only viable land route between Adelaide and the Cooper Basin and is of importance to the expanding oil and gas industry, as well as the pastoral industry in the north east of South Australia.

#### 2.2.1 Interim Biogeographical Regionalisation of Australia (IBRA)

The Project Area is located within the Stony Plains IBRA Region and the Murnpeowie IBRA Subregion. The Stony Plains Region is located across the central to north western parts of the South Australian Arid Lands Landscape Board Region. It is a region of extensive arid stony silcrete tablelands (breakaways), gibber, and gypsum plains crossed by large river floodplains with sparse low chenopod shrublands on duplex soils. Climate is characterised by hot temperatures and persistently low rainfall. Vegetation growth is limited by rainfall and consists of Saltbush, Bluebush, Samphire, Mitchell Grass, or Short-lived Bindyi communities on the Gibber plains with dune fields, swales, and sandy plains dominated by Sandhill Cane-grass. Drainage channels consist of denser vegetation and streams are fringed with Coolabah and River Red Gum (South Australian Arid Lands Biodiversity Strategy - Stony Plains Conservation Priorities, Department for Environment and Heritage, 2009).

#### 2.2.2 Climate

The nearest weather station is located at Leigh Creek (No. 017110). The regional climate is characterised as arid to semi-arid and is persistently dry. Review of the Government of South Australia's Enviro Data application *NatureMaps* (*NatureMaps*) climate data references a mean annual rainfall of 186 millimetres (mm).

### 2.3 General Location Map

The Strzelecki Track is located approximately 550 kilometres (km) to the north east of Adelaide, South Australia, refer to **Drawing No. 2547.DRG.178 – Project Location MM 300-369** for a visual



representation of the Project Area. Vegetation survey plans for the Project Area are provided as outlined below:

- **Drawing No. 2547.DRG.179 – MM 300-368 NVC Map 1**
- **Drawing No. 2547.DRG.180 – MM 300-368 NVC Map 2**
- **Drawing No. 2547.DRG.181 – MM 300-368 NVC Map 3**
- **Drawing No. 2547.DRG.182 – MM 300-368 NVC Map 4**
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- **Drawing No. 2547.DRG.209 – MM 300-368 NVC Map 31**
- **Drawing No. 2547.DRG.210 – MM 300-368 NVC Map 32**
- **Drawing No. 2547.DRG.211 – MM 300-368 NVC Map 33**

## 2.4 Details of the Proposal

The proposed upgrade of the Project Area on the Strzelecki Track is between MM 300 and MM 369 and forms part of the overall Strzelecki Track upgrades and sealing project, aiming to improve transport reliability travel times, lower transport operating costs and improve road safety.

The upgraded typical road formation will be based on single lanes of 3.5 metres (m) width, with a sealed shoulder of one (1) m, an unsealed shoulder of one (1) m, totalling in a road formation of 11 m. Longitudinal drainage and batters will extend from the unsealed shoulder, with a 1 in 6 slope into the drain, a 1.5 m drain, and 1 in 4 slope extending out of the drain. A total Construction Activity Zone (CAZ) of 18 m either side of the existing centreline will be required. Cut-off drains will be utilised to ensure water movement away from the road formation in rain events.

Sections identified as minor water crossings and flood ways will be stabilised with a required CAZ of 18 m either side of the existing centreline. Three (3) major waterways along the Project Area have been identified and have had detailed designs created. The CAZ will vary in width through these sections to accommodate required design. Three (3) creek lines are already sealed but may require some maintenance within the existing formation depending on condition.

Construction material will be sourced locally, utilising four (4) existing borrow pits that will be extended. Two (2) existing disturbed areas and one (1) new area will also be utilised as stock sites for material, and three (3) existing camp sites will be reinstated plus one (1) new camp site will be established for use during construction. A series of Maintenance Turn Around Points (MTPs) will also be utilised during construction.

Most of the above construction activities will be contained within the existing road formation and Maintenance Activity Zone (MAZ) and will not require approval for native vegetation clearance, however, there are some areas where activities extend beyond the current MAZ and approval for vegetation clearance is required. It is these areas that are included within this application. Specifically, these areas are:

- A linear strip of vegetation either side of the road formation, of approximately 2.5 m, where the CAZ will extend past the current MAZ,
- Four (4) new MTPs,
- The establishment of one (1) new campsite/stock site
- The extension of one (1) existing campsite/stock site
- The establishment of one (1) new stock site
- The extension of four (4) borrow pits.

## 2.5 Approvals Required or Obtained

A review of *NatureMaps* shows one (1) other Native Vegetation clearance application relevant along the entire corridor of the Project Area, in 2008 (2008\_3120). This was likely associated with other road upgrade activities. Further clearance applications have been made or are in development along the road and ancillary areas in relation to the wider Strzelecki Track Upgrade project.

Other environmental legislation relevant to the project includes:

- *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act). The EPBC Act provides protection for MNES. Any action that has, will have or is likely to have a significant impact on MNES requires referral under the EPBC Act. Conservation significant flora and fauna species, and ecological communities listed under the EPBC Act are known from and / or could potentially occur within the Project Area.
- *National Parks and Wildlife Act 1972 (SA)* (NP&W Act). Native plants and animals in South Australia are protected under the NP&W Act. It is an offence to take a native plant or protected animal without approval. Conservation significant flora and fauna species listed on Schedules 7, 8, or 9 of the NP&W Act could potentially occur within the Project Area.
- *Landscape South Australia Act 2019* (Landscape Act). Under the Landscape South Australia Act 2019, landholders have a legal responsibility to manage declared pest plants and animals and prevent land and water degradation. The South Australian Arid Lands Landscape Board has the statutory role of enforcing this within the Project Area. Approval may be required for movement of Declared Plant and Water Affecting Activities (WAA) as associated with the Project.
- *Aboriginal Heritage Act 1988* (AH Act). Approval required if damage to Aboriginal Heritage Sites (reported / registered or undocumented) is required. Ministerial authorisation under section 23 of AH Act.
- *Native Title Act 1993*. Native Title notification may be required for sections of the project where activities are to be undertaken on land that is subject to Native Title determinations under the *Native Title Act 1993*, providing Native Title holders and registered Native Title claimants with the right to be notified.

A detailed Environment and Heritage Impact Assessment according to DIT's internal guidelines has been produced for the project. Relevant environmental and heritage aspects have been assessed as part of this process with recommended mitigations and necessary approvals documented.

## **2.6 Native Vegetation Regulation**

The proposed works are intended to be undertaken within the provisions of clearance of native vegetation provided under the *Native Vegetation Regulations 2017*, Part 6, Regulations 12 (32) – Works on behalf of Commissioner of Highways.

## **2.7 Development Application Information (if applicable)**

Approval under the *Planning, Development and Infrastructure Act 2016* is not required.

## 3 Method

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### 3.1 Flora Assessment

An online search was undertaken for EPBC Act Matters of National Environmental Significance (MNES) relevant to flora along with a review of *NatureMaps* for historical records of any rare or endangered flora species within 50 km of the Project Area.

Following a review of the background information and literature, an assessment of the Project Area was undertaken in August 2024 by Groundwork Accredited Consultants involving a general vegetation assessment utilising the Native Vegetation Council's (NVC) Rangeland Assessment methodology of the Project Area and identification of suitable growing conditions for species of conservation significance.

The Project Area was surveyed for:

- Remnant and regrowth native vegetation,
- Condition of vegetation,
- Introduced plant species, and
- Suitable growing conditions for identified threatened species.

Representative photographs of the vegetation within the Project Area as well as descriptions of the vegetation are provided within **Section 4.1. Vegetation Assessment**.

### 3.2 Fauna Assessment

An online search was undertaken for EPBC Act MNES relevant to fauna, as well as a review of *NatureMaps* to determine the potential presence of any rare or endangered fauna species recorded within 50 km of the Project Area.

During the field assessment, vegetation was surveyed to determine habitat potential for all fauna species, in particular threatened species identified through the desktop assessment. Opportunistic records of fauna species were also captured during the site inspection. The likelihood of fauna species identified within the desktop searches as being present within the Project Area was assessed based on the species known habitat preferences and the vegetation associations identified onsite and are detailed within **Section 4.2 Threatened Species Assessment**.



## 4 Assessment Outcomes

### 4.1 Vegetation Assessment

The vegetation survey was undertaken in August 2024 by Matthew Jones (Technical Director – Environmental Management, Permitting and Compliance, Native Vegetation Accredited Consultant), and Louise Jaunay (Associate Consultant – Ecology and biodiversity, Native Vegetation Accredited Consultant) from Groundwork. The vegetation assessment identified the majority of perennial species to be in moderate to good condition with some species flowering and setting seed. Due to rainfall over the early Summer 2024 period, there was evidence of short-lived ephemeral species, some identifiable, some not. During drier periods, cover is usually less dense with annual species.

The topography and vegetation associations changed moving through the Project Area. Generally, the Project Area is located within expansive Gibber Plains, dissected by a number of water ways of varying size. This created alternations between dry, expansive plains, flood plains, and creek lines. There are no Heritage Agreements within a 50 km radius of the project area. Vulkathunha-Gammon Ranges National Park is the closest protected area to the Project Area, located approximately 30 km south.

Full assessment of the vegetation attributes and condition scores are provided within **Attachment 1 – Rangeland Assessment Scoresheets**. A list of flora species recorded onsite are provided within **Attachment 2 – Plant Species Recorded (Native and Introduced)**.

Inspection of the Project Area confirmed the presence of native vegetation with the following 19 vegetation associations identified:

- *Acacia salicina* shrubland over *Myoporum* sp.
- *Atriplex holocarpa* +/- *Sclerolaena* spp. very open low shrubland
- *Acacia victoriae* open shrubland
- *Acacia victoriae* +/- *Acacia salicina* open shrubland
- *Senna artemisioides* +/- *Maireana apleura* shrubland with emergent *Santalum lanceolata*
- *Acacia salicina* open shrubland over *Maireana aphylla* +/- *Senna artemisioides*
- *Maireana astrotricha* +/- *Sida petrophila* open shrubland over *Zygophyllum* sp.
- *Sclerolaena* spp. +/- *Dissocarpus paradoxa* very open low shrubland
- *Eucalyptus camaldulensis* open forest
- *Sclerolaena* spp. low open shrubland
- Low Chenopods and annuals with emergent *Acacia salicina*
- *Tecticornia* sp. +/- *Frankenia* sp. low shrubland with emergent *Acacia salicina* +/- *Myoporum* sp.
- *Eremophila* spp. open shrubland over *Maireana* spp.
- *Maireana aphylla* low shrubland
- *Maireana pyramidata* +/- *Zygophyllum* sp. low shrubland
- *Acacia salicina* +/- *Santalum lanceolata* shrubland over *Maireana aphylla*
- *Maireana* spp. +/- *Sida petrophila* low shrubland with emergent *Myoporum platycarpum*
- *Sclerolaena* spp. very low open shrubland
- *Maireana astrotricha* +/- *Maireana pyramidata* low open shrubland

Vegetation associations were classified at a broad level, and based upon landform as well as dominant species, as was appropriate for the context of the landscape and the assessment methodology. Refer to

**Table 1 – Vegetation Associations** for a description of each vegetation associations. Representative photographs of each vegetation association are presented in **Attachment 3 – Vegetation Associations Photo Log**.

The vegetation associations are connected to surrounding native vegetation and are consistent with regional associations which are well represented. Land use is predominately grazing, with the vegetation showing some evidence of current grazing, particularly within water ways.

Most vegetation within the construction footprint is of lower understorey species and younger overstorey species, with minimal mature overstorey species to be impacted. However, a few mature taller shrubs, particularly in water ways have been identified as falling within the impact area. Large trees that are within watercourses will be avoided from impacts.

**Table 1 – Vegetation Associations**

Vegetation Association	Description	Area	VCS <sup>1</sup>	UBS <sup>2</sup>	TBS <sup>3</sup>
VA1 - <i>Acacia salicina</i> shrubland over <i>Myoporum montanum</i>	<p>Densley vegetated minor floodway consisting of <i>Acacia salicina</i> and <i>Myoporum montanum</i>. Dominated by shrubs between two (2) to four (4) meters in height, with some open areas. Understorey consisting of <i>Enchyleana tomentosa</i>, <i>Atriplex spp.</i> and <i>Scleroleana spp.</i>. Notable presence of annual species, as prior rain events had allowed for vegetation germination. Evidence of current grazing pressure on perennial and annual species, with a high portion of animal tracks noted within the banks of the watercourses and drainage lines, although general grazing pressure was reasonably low. This may be attributed to the general availability of palatable species at the time of the survey, following the recent rain. There was a moderate invasion of weed species noted within the areas under application. Vegetation is of a density and condition expected of the region. No threatened flora species listed under the EPBC Act or the NP&amp;W Act were recorded during the field assessment, not considered a threatened plant community.</p>	0.066	50.22	63.46	4.19
VA2 - <i>Atriplex holocarpa</i> +/- <i>Sclerolaena spp.</i> very open low shrubland	<p>Vegetation located on Gibber Plains. Dominated by very low chenopod shrubs, particularly species of <i>Sclerolaena</i> and <i>Atriplex holocarpa</i>. Occasional <i>Maireana spp.</i> and <i>Dissocarpus biconis</i>, either as an individual or small clump. Notable presence of dried annual species, as prior conditions had allowed for vegetation germination. Low evidence of current grazing pressure on perennial species, with grazing generally noted on annual grass species that have germinated in recent rain events. Some weed species noted within the areas under application. Vegetation is of a density and condition expected of the region. No threatened flora species listed under the EPBC Act or the NP&amp;W Act were recorded during the field assessment, not considered a threatened plant community.</p>	3.738	42.06	53.15	198.67

<sup>1</sup> Vegetation condition score

<sup>2</sup> Unit biodiversity score

<sup>3</sup> Total biodiversity score



Vegetation Association	Description	Area	VCS <sup>1</sup>	UBS <sup>2</sup>	TBS <sup>3</sup>
VA3 - <i>Acacia victoriae</i> open shrubland	<p><i>Acacia victoriae</i> open shrubland in minor watercourses and immediate surrounds. Vegetation located within natural drainage lines and is of a higher density than surrounding areas. Dominated by low chenopod shrubs, with scattered individual and clumps of <i>Acacia victoriae</i>. Notable presence of annual species, as prior conditions had allowed for vegetation germination.</p> <p>Some evidence of current grazing pressure on <i>Acacia victoriae</i> and annual grass species. It is expected that this vegetation association would experience higher grazing pressure in dryer conditions than surrounding more sparse open gibber plains.</p> <p>Low weed species noted within the areas under application. Vegetation is of a density and condition expected of the region.</p> <p>No threatened flora species listed under the EPBC Act or the NP&amp;W Act were recorded during the field assessment, not considered a threatened plant community.</p>	0.108	44.33	56.02	6.05
VA4 - <i>Acacia victoriae</i> +/- <i>Acacia salicina</i> open shrubland	<p><i>Acacia victoriae</i> open shrubland in minor watercourses and immediate surrounds, differing from VA4 by the presence of <i>Acacia salicina</i> as well as <i>Acacia victoriae</i>. Vegetation located within natural drainage lines and is of a higher density than surrounding areas. Dominated by low chenopod shrubs, with scattered individual and clumps of <i>Acacia spp</i>. Notable presence of annual species, as prior conditions had allowed for vegetation germination.</p> <p>Very little evidence of current grazing pressure on <i>Acacia</i> plants with more grazing noted of annual grass species. It is expected that this vegetation association would experience higher grazing pressure in dryer conditions than surrounding more sparse open gibber plains.</p> <p>Low weed species noted within the areas under application. Vegetation is of a density and condition expected of the region.</p> <p>No threatened flora species listed under the EPBC Act or the NP&amp;W Act were recorded during the field assessment, not considered a threatened plant community.</p>	0.033	51.04	64.49	2.13
VA5 - <i>Senna artemisioides</i> +/- <i>Maireana appressa</i> shrubland with emergent	<p>Vegetation association within minor drainage lines, dominated by <i>Senna artemisioides</i> with scattered <i>Santalum lanceolata</i>. Understorey dominated by <i>Maireana appressa</i>, either as individuals or small clumps. Notable presence of dried annual species, as prior conditions had allowed for vegetation germination.</p>	0.31	46.78	59.11	18.32



Vegetation Association	Description	Area	VCS <sup>1</sup>	UBS <sup>2</sup>	TBS <sup>3</sup>
<i>Santalum lanceolata</i>	<p>Low evidence of current grazing pressure on perennial species, this may have been due to the abundance of palatable species from recent rain, although plenty of animal tracks were noted within the vegetation.</p> <p>Some weed species noted within the areas under application. Vegetation is of a density and condition expected of the region.</p> <p>No threatened flora species listed under the EPBC Act or the NP&amp;W Act were recorded during the field assessment, not considered a threatened plant community.</p>				
VA6 - <i>Acacia salicina</i> open shrubland over <i>Maireana aphylla</i> +/- <i>Senna artemisioides</i>	<p>Vegetation association similar to Vegetation Association 1, but distributed over a wider, floodplain area, resulting in lower cover of overstorey shrubs. Overstorey shrub species consisting of a mixture of <i>Acacia salicina</i>, <i>Senna artemisioides</i>, and <i>Acacia victoriae</i>, with <i>Acacia salicina</i> being the dominant. Understorey consisting of a mixture <i>Rhagodia spinescens</i>, <i>Maireana aphylla</i>, <i>Atriplex spp.</i> as well as a notable presence of annual species, in particular <i>Cullen australasicum</i>, as prior conditions had allowed for vegetation germination.</p> <p>Low evidence of current grazing pressure on perennial species, although vegetation still has notable evidence of animal tracks.</p> <p>Some moderate incursion of weed species noted within the areas under application. Vegetation is of a density and condition expected of the region.</p> <p>No threatened flora species listed under the EPBC Act or the NP&amp;W Act were recorded during the field assessment, not considered a threatened plant community.</p>	0.781	50.64	63.99	49.98
VA7 - <i>Maireana astrotricha</i> +/- <i>Sida petrophila</i> open shrubland over <i>Roepera sp.</i>	<p>Patches of shrubs located across the Gibber Plains, located in clay soils where moisture can be retained. Dominated by <i>Maireana astrotricha</i> and <i>Sida petrophila</i> over <i>Zygophyllum sp.</i></p> <p>Very low evidence of current grazing pressure on perennial species.</p> <p>Low weed species noted within the areas under application. Vegetation is of a density and condition expected of the region.</p> <p>No threatened flora species listed under the EPBC Act or the NP&amp;W Act were recorded during the field assessment, not considered a threatened plant community.</p>	1.172	46.67	58.97	69.11
VA8 - <i>Sclerolaena spp.</i> +/- <i>Dissocarpus</i>	<p>Vegetation located on Gibber Plains. Dominated by very low chenopod shrubs, particularly species of <i>Sclerolaena</i>. Notable presence of annual species, as prior conditions had allowed for vegetation germination.</p>	23.993	40.83	51.59	1237.8

Vegetation Association	Description	Area	VCS <sup>1</sup>	UBS <sup>2</sup>	TBS <sup>3</sup>
<i>paradoxa</i> very open low shrubland	Very low evidence of current grazing pressure on perennial species, this may have been due to general lack of palatable species across the higher plains. Some weed species noted within the areas under application, most likely germinated after recent rain event. Vegetation is of a density and condition expected of the region. No threatened flora species listed under the EPBC Act or the NP&W Act were recorded during the field assessment, not considered a threatened plant community.				
VA9 - <i>Eucalyptus camaldulensis</i> open forest	Water course vegetation dominated by <i>Eucalyptus camaldulensis</i> . Understorey dominated by <i>Rhagodia spinescens</i> , <i>Acacia salicina</i> , <i>Myoporum montanum</i> , and <i>Eremophila longifolia</i> . Notable presence of annual species, as prior conditions had allowed for vegetation germination. Low evidence of current grazing pressure on perennial species, likely because of the abundance in palatable perennial and annual species having germinated from recent rain. Some weed species noted within the areas under application. Vegetation is of a density and condition expected of the region. No threatened flora species listed under the EPBC Act or the NP&W Act were recorded during the field assessment, not considered a threatened plant community.	0.443	60.38	76.30	33.8
VA10 - <i>Sclerolaena spp.</i> low open shrubland	Vegetation located between the more vegetated floodplain and the higher Gibber Plains. Dominated by very low chenopod shrubs, particularly species of <i>Sclerolaena</i> , although contains higher diversity of species compared to the Gibber Plain. Notable presence of annual species, due to the preceding rain. Very low evidence of current grazing pressure on perennial species, this may have been due to presence of palatable species within the floodplain being grazed in preference. Very low weed species noted within the areas under application. Vegetation is of a density and condition expected of the region. No threatened flora species listed under the EPBC Act or the NP&W Act were recorded during the field assessment, not considered a threatened plant community.	3.225	47.60	60.15	193.98
VA11 - Low Chenopods and annuals with emergent <i>Acacia salicina</i>	Low vegetation located on floodplain with only occasional taller shrub. Dominated by very low chenopod shrubs, particularly species of <i>Sclerolaena</i> and <i>Astrebla pectinata</i> . Occasional <i>Maireana turbinata</i> and <i>Maireana aphylla</i> , either as an individual or small clump. High presence of annual species, likely caused by recent rain. Some evidence of current grazing on <i>Astrebla pectinata</i> .	0.33	48.09	60.77	20.05



Vegetation Association	Description	Area	VCS <sup>1</sup>	UBS <sup>2</sup>	TBS <sup>3</sup>
	<p>Some weed species noted within the areas under application. Vegetation is of a density and condition expected of the region.</p> <p>No threatened flora species listed under the EPBC Act or the NP&amp;W Act were recorded during the field assessment, not considered a threatened plant community.</p>				
VA12 - <i>Tecticornia</i> sp. +/- <i>Frankenia</i> sp. low shrubland with emergent <i>Acacia salicina</i> +/- <i>Myoporum</i> sp.	<p>Located in one (1) specific location within the project area, within a higher plain that is broadly connected to Mound Springs. Ground consists of clay which is evidently saline and likely to hold water during rain events. Dominated by <i>Tecticornia</i> sp., <i>Atriplex</i> sp. and <i>Frankenia</i> sp. Occasional higher shrub, such as <i>Acacia salicina</i> and <i>Myoporum montanum</i>, either as an individual or small clump.</p> <p>Notable presence of annual species, as prior conditions had allowed for vegetation germination.</p> <p>Very low evidence of current grazing pressure on perennial species, this may have been due to general lack of palatable species across the higher plains.</p> <p>Moderate incursion of weed species noted within the areas under application. Vegetation is of a density and condition expected of the region.</p> <p>No threatened flora species listed under the EPBC Act or the NP&amp;W Act were recorded during the field assessment, not considered a threatened plant community, however, the EPBC Act Endangered species, <i>Frankenia plicata</i>, has been previously (in 1994) recorded within close proximity to the road (one (1) record approximately one (1) km from the road), within the same vegetation association and it is therefore possible it is present.</p>	0.394	49.21	62.18	24.50
VA13 - <i>Eremophila</i> spp. open shrubland over <i>Maireana</i> spp.	<p>Low, sandy hills dominated by sparse vegetation dominated by <i>Eremophila</i> spp. over <i>Maireana</i> spp. Presence of annual species was less than other recorded vegetation associations, although cover by perennials was still reasonable given the seasonal condition.</p> <p>Low evidence of current grazing pressure on perennial species, this may have been due to general seasonal conditions and wide availability of palatable species.</p> <p>Very low weed species noted within the areas under application. Vegetation is of a density and condition expected of the region.</p> <p>No threatened flora species listed under the EPBC Act or the NP&amp;W Act were recorded during the field assessment, not considered a threatened plant community.</p>	0.52	49.08	62.02	32.25

Vegetation Association	Description	Area	VCS <sup>1</sup>	UBS <sup>2</sup>	TBS <sup>3</sup>
VA14 - <i>Maireana aphylla</i> low shrubland	Low chenopod shrubland dominated by <i>Maireana aphylla</i> located on gentle sloping plains, with small patches of <i>Senna artemisioides</i> ssp. and occasional emergent <i>Santalum lanceolatum</i> . Notable presence of annual species, as prior conditions had allowed for vegetation germination. Low evidence of current grazing pressure on perennial species. Very low weed species noted within the areas under application. Vegetation is of a density and condition expected of the region. No threatened flora species listed under the EPBC Act or the NP&W Act were recorded during the field assessment, not considered a threatened plant community.	3.4	50.21	63.45	215.73
VA15 - <i>Maireana pyramidata</i> +/- <i>Zygophyllum</i> sp. low shrubland	Vegetation located on hillside with shallow clay soil over limestone. Dominated by <i>Maireana pyramidata</i> . Widespread abundance of short-lived <i>Zygophyllum</i> sp., likely germinated after recent favourable seasonal conditions. Notable presence of annual species, as prior conditions had allowed for vegetation germination. Very low evidence of current grazing pressure on perennial species, very low weed species noted within the areas under application. Vegetation is of a density and condition expected of the region. No threatened flora species listed under the EPBC Act or the NP&W Act were recorded during the field assessment, not considered a threatened plant community.	0.091	44.33	56.02	5.10
VA16 - <i>Acacia salicina</i> +/- <i>Santalum lanceolatum</i> shrubland over <i>Maireana aphylla</i>	Vegetation located on wide floodplain, similar to vegetation association 5, but with higher cover of taller shrub species. Dominated by <i>Acacia salicina</i> , with <i>Santalum lanceolatum</i> over <i>Maireana aphylla</i> . Notable presence of annual species, as prior conditions had allowed for vegetation germination. Some minor evidence of current grazing pressure on perennial species, but high impact of animal tracks throughout the vegetation. Moderate incursion of weed species noted, with <i>Cenchrus ciliaris</i> (Buffel Grass) recorded within the areas under application. Vegetation is of a density and condition expected of the region. No threatened flora species listed under the EPBC Act or the NP&W Act were recorded during the field assessment, not considered a threatened plant community.	0.266	43.90	55.47	14.76
VA17 - <i>Maireana</i> spp. +/- <i>Sida</i>	Vegetation located on Gibber Plains. Dominated by low chenopod shrubs, with clumps of <i>Maireana</i> spp interspersed with open, bare gibber patches. Notable presence of dried annual species amongst patches of shrubs, as prior conditions had allowed for vegetation germination.	1.167	48.80	61.66	71.96



Vegetation Association	Description	Area	VCS <sup>1</sup>	UBS <sup>2</sup>	TBS <sup>3</sup>
<i>petrophila</i> low shrubland with emergent <i>Myoporum platycarpum</i>	Some low evidence of current grazing pressure on perennial species, particularly on grass species. Moderate invasion of weed species noted within the areas under application. Vegetation is of a density and condition expected of the region. No threatened flora species listed under the EPBC Act or the NP&W Act were recorded during the field assessment, not considered a threatened plant community.				
VA18 - <i>Sclerolaena</i> spp. very low open shrubland	Vegetation located on Gibber Plains. Dominated by very low chenopod shrubs, particularly species of <i>Sclerolaena</i> . Occasional <i>Maireana astrotricha</i> , either as an individual or small clump. Notable presence of dried annual species, as prior conditions had allowed for vegetation germination. Very low evidence of current grazing pressure on perennial species, this may have been due to general lack of palatable species across the higher plains. Very low weed species noted within the areas under application. Vegetation is of a density and condition expected of the region. No threatened flora species listed under the EPBC Act or the NP&W Act were recorded during the field assessment, not considered a threatened plant community.	5.521	50.16	63.38	349.35
VA19 - <i>Maireana astrotricha</i> +/- <i>Maireana pyramidata</i> low open shrubland	Vegetation located on Gibber Plains. Dominated by patches of <i>Maireana</i> spp. in slightly lower ground, interspersed with open, bare patches of gibber rocks. Notable presence of dried annual species within vegetation patches, as prior conditions had allowed for vegetation germination. Some evidence of current grazing pressure on perennial species, particularly palatable species. Very low weed species noted within the areas under application. Vegetation is of a density and condition expected of the region. No threatened flora species listed under the EPBC Act or the NP&W Act were recorded during the field assessment, not considered a threatened plant community.	3.221	35.08	44.33	142.9



## 4.2 Threatened Species Assessment

### 4.2.1 Threatened Flora

A search of *Naturemaps* (2025) found 12 threatened flora species that have previously been recorded within 50 km of the Project Area and within the preceding 20 years:

- *Acacia confluens* (Vulnerable under the NP&W Act) – 42 observations within search area. Last observed in September 2012.
- *Blechnum rupestre* (Endangered under the NP&W Act) – one (1) observation within search area. Last observed in February 2023.
- *Codonocarpus pyramidalis* (Vulnerable under the EPBC Act, Endangered under the NP&W Act) – 13 observations within search area. Last observed in February 2023.
- *Daviesia stricta* (Rare under the NP&W Act) – Three (3) observations within search area. Last observed in May 2012.
- *Eleocharis plana* (Rare under the NP&W Act) – One (1) observation within search area. Last observed in September 2007.
- *Eriocaulon carsonii* ssp. *carsonii* (Endangered under the EPBC Act, Endangered under the NP&W Act) – 211 observations within search area. Last observed in August 2015.
- *Gilesia biniflora* (Rare under the NP&W Act) – One (1) observation within search area. Last observed in October 2010.
- *Gratwickia monochaeta* (Rare under the NP&W Act) – Two (2) observations within search area. Last observed in October 2010.
- *Orobanche cernua* var. *australiana* (Rare under the NP&W Act) – 13 observations within search area. Last observed in September 2007.
- *Philotheca angustifolia* ssp. *angustifolia* (Rare) – One (1) observation within search area. Last observed in 2012.
- *Potamogeton ochreatus* (Rare) – One (1) observation within search area. Last observed in 2012. Requires water, therefore excluded from assessment.
- *Swainsona leana* (Rare) – One (1) observation within search area. Last observed in 2010.

An EPBC Protected Matters Search report (2024) lists the Matters of National Environmental Significance (MNES) in relation to flora that may occur within 50 km of the project footprint, refer to **Attachment 4 – Environment Protection Biodiversity Conservation Act 1999 Protected Matters Report**.

The EPBC Protected Matters Search Identified one (1) Listed Threatened Species of flora additional to those identified through the *NatureMaps* search that may occur: *Frankenia plicata* (Sea Heath). This species has been previously recorded within the *NatureMaps* database, but not since 1994.

An assessment of the likelihood of occurrence of listed species has been completed based upon proximity of recent records to the Project Area, species known habitat requirements, and available habitat recorded onsite through field inspections. Refer to **Attachment 5 – Threatened Species Summary** and **Drawing No. 2547.DRG.131 – Threatened Flora Observations**. In summary, two species, *Orobanche cernua* var. *australiana* and *Frankenia plicata* were considered 'possible' to occur, with all other threatened flora species considered 'unlikely' to occur or were excluded due to habitat requirements inconsistent with site conditions.

#### 4.2.2 Threatened Fauna

A search of *NatureMaps* (2024) sought to identify species of State or National Rated Significance previously recorded within 50 km of the Project Area and within the preceding 20 years. A total of 13 State or Nationally listed species were identified in the *NatureMaps* search. An EPBC Protected Matters Search report listed 13 Nationally threatened fauna species additional to those identified through *NatureMaps* that may occur within proximity (50 km buffer applied) to the Project Area. Refer to **Attachment 5 – Threatened Species Summary** and **Attachment 4 – Environment Protection Biodiversity Conservation Act 1999 Protected Matters Report** for a full report of the species results. Aquatic fauna and sub-species with known distribution outside of the Site were excluded from the results.

An assessment of the likelihood of occurrence of listed species within the Project Area has been completed based upon proximity of recent records, species known habitat requirements, and available habitat recorded onsite through field inspections. Refer to **Attachment 5 – Threatened Species Summary** and **Drawing No. 2547.DRG.132 – Threatened Fauna Observations (MM 300 – MM 369)**. In summary, one (1) species, *Amytornis modestus* (Thick-billed Grasswren) listed as Vulnerable under the EPBC Act, was considered 'likely' to occur, and three (3) species: *Neophema elegans elegans* (Elegant Parrot) listed as Rare under the NP&W Act; *Phaps histrionica* (Flock Bronzewing) listed as Rare under the NP&W Act; and *Aspidites ramsayi* (Woma), listed as Rare under the NP&W Act, were considered 'possible' to occur. All other species were either excluded or considered 'unlikely' to occur.

Further information from the SA Arid Lands Landscape Board within previous clearance application for MM 369 to MM 396 along the Strzelecki Track, identified the potential presence of the Plains-wanderer (*Pedionomus torquatus*), listed Critically Endangered under the EPBC Act, within proximity to other sections of the Strzelecki Track. This species has no records listed on *NatureMaps* within 50km of the current Project Area within the preceding 20 years and was listed within the EPBC Act PMST as 'species or species habitat may occur within the area' and as such, was not included in the initial likelihood of occurrence assessment. However, given the proximity to the other stages and similarity in vegetation and landform, impacts to the species from the current project activities have been considered against a previous significant impact assessment. Based upon the similarities between both the site conditions and the construction activities, it has been determined the outcomes of the significant impact assessment for MM 369-396 are directly applicable to the current stage. In summary, it was determined that the species, if present, would not be significantly impacted by the road upgrade and an EPBC Act referral would not be required. Further details are provided in **Attachment 6 – Plains-wanderer Technical Memorandum**.

The vegetation within the Project Area may provide some suitable habitat for multiple fauna species, most notably for bird species, although this is likely to be limited given the context of the area under application. Despite the potential presence of threatened and common fauna species, the proposed works are unlikely to have a significant impact on any fauna populations, based on the narrow linear nature of the works and the location (proximity to the road resulting in increased disturbance and therefore low-quality habitat) and the availability of better-quality vegetation adjacent to the Site.

A project area inspection was undertaken between 22 and 28 August 2024 by Groundwork to assess the on-site habitat and opportunistic fauna observations. The inspection did not record any opportunistic sightings of listed fauna species within the Project Area. The Project Area was also traversed on several occasions during inspections of other sections of the Strzelecki Track, at varying times of the year. No opportunistic sightings of threatened fauna species were recorded.

Given the results of the desktop assessment, lack of species found onsite, and scale of proposed impacts, an EPBC Act referral will not be required for any threatened fauna species.

## 4.3 Cumulative Impact

The planned works are part of a larger project with the entirety of the Strzelecki Track to be upgraded to a seal road. This has involved vegetation clearance at multiple locations and further clearance associated with other stages will also be required. The works are located within close proximity to the existing road boundary, where there is a history of maintenance and construction activities. Sites previously disturbed through construction have regenerated native vegetation well, as evident in the current inspection. It is likely that disturbed areas within the current project, such as batters, will regenerate in a similar fashion. The Project will utilise historical borrow pits that have been established and used for ongoing maintenance activities along the road, therefore reducing the cumulative clearance effect.

Given the nature of the proposed work, there may be minor further effects on surrounding native vegetation from aspects such as dust and sediment deposition, weed invasion, rubbish, and alterations to surface water through the installation of water crossings. An Environment and Heritage Impact Assessment Report has been conducted, as per DIT protocol, with mitigation measures for each of these aspects outlined within the assessment. A WAA Assessment has also been conducted to outline any potential impacts to mapped watercourses.

The preparation of a CEMP and a Soil, Erosion, and Drainage Management Plan will manage potential damaging impacts from aspects such as dust and sediment deposition. Appropriate waste management strategies are required to be implemented to ensure no adverse impacts from waste materials left onsite and the design of any floodway infrastructure will ensure the existing surface water flow paths are not altered.

Weed invasion is possible due to the movement of vehicles and machinery within the application areas, with several declared weed species being previously recorded within the region. Introduction of weed species may result in a degradation of remnant surrounding vegetation, however, during construction, strict hygiene practices must be adhered to ensure weed species are not spread or introduced as per the DIT's procedures.

Future clearance of vegetation surrounding the Project Area is unlikely, given the extent of the proposed upgrade works. If future maintenance activities do result in impacts to vegetation, this is likely to be regrowth vegetation within the approved MAZ and is likely to contribute only to a minor accumulation of clearance effect.

## 4.4 Address the Mitigation Hierarchy

### a) **Avoidance – outline measures taken to avoid clearance of native vegetation**

Typical road drawings have been produced with the aim to avoid and reduce the native vegetation clearance impacts as well as the potential impacts to heritage sites.

The planned Strzelecki Track upgrades are located at areas that have been exposed to a moderate level of previous vegetation clearance associated with road construction and maintenance activities.

Cut-off drains have been positioned within existing cut-off drains locations and have avoided any new clearance associated with roadside drainage.

Water crossings are required to facilitate the movement of water across the roadway, to ensure safety of road users. Clearance is unable to be avoided to ensure appropriate tying-in with surrounding

landscape to ensure that water can flow freely away from the road formation. Large, mature trees within water crossings will be retained, with designs to avoid impacts to trees.

Existing campsites and stack sites are proposed to be used where possible. One new campsite has been proposed, this has been proposed as an existing campsite was identified during the field assessment as being highly eroded and unsuitable for use. An alternative area in sparse vegetation has been selected. One new stack site is proposed adjacent to an existing borrow pit. This is located as such to stockpile material from the pit. An extension to one campsite/stack site has been proposed as part of the existing site has been eroded and unsuitable for use.

Extensions to borrow pits are unable to be avoided to source enough local material to complete the required construction. This reduces the overall environmental impact by reducing the supply chain for some material.

- b) **Minimisation – if clearance cannot be avoided, outline measures taken to minimise the extent, duration and intensity of impacts of the clearance on biodiversity to the fullest possible extent (whether the impact is direct, indirect or cumulative).**

Native vegetation clearance will only be required for minimal widths along the length of the Project Area, as outlined in **Section 4.1 Vegetation Assessment**. The design of the final road formation has been made to ensure the extent of impacts of clearance have been minimised to the lowest possible to achieve the sealing of the roadway and to be an appropriate size for the traffic volume and design speed.

Dimensions of cut-off drains and water crossings have been planned to reduce the impact of vegetation clearance whilst still allowing the necessary construction activities to be completed.

All contractors will be made aware of the environmental obligations through the implementation of a Contractors Environmental Management Plan (CEMP) during construction to ensure there is no unnecessary damage to surrounding vegetation.

- c) **Rehabilitation or restoration – outline measures taken to rehabilitate ecosystems that have been degraded, and to restore ecosystems that have been degraded, or destroyed by the impact of clearance that cannot be avoided or further minimised, such as allowing for the re-establishment of the vegetation.**

It is expected that native vegetation will naturally regenerate all disturbed areas that are not taken by the road footprint, consistent with observations of past clearance.

- d) **Offset – any adverse impact on native vegetation that cannot be avoided or further minimised should be offset by the achievement of a significant environmental benefit that outweighs that impact.**

At the time of application, DIT will be meeting the SEB Offset requirement via payment to the NV Fund, the amount required for the SEB, as calculated in **Table 13 – Totals Summary Table**. However, in accordance with the DIT Vegetation Impact Assessment Guideline and based on the package of works requiring an offset obligation greater than 150 SEB Points, opportunities to provide on-ground SEB Offsets via an NVC Accredited Third Party Provider are currently being investigated.



## 4.5 Principles of Clearance (Schedule 1, Native Vegetation Act 1991)

The NVC will consider Principles 1(b), 1(c) and 1(d) when assigning a level of Risk under Regulation 16 of the Native Vegetation Regulations. The NVC will consider all the Principles of clearance of the Act as relevant, when considering an application referred under the *Planning, Development and Infrastructure Act 2016*.

**Table 2 – Principles of Clearance Assessment**

Principle of clearance	Relevant information	Assessment against the principles	Moderating factors that may be considered by the NVC
<b>Principle 1(b) – significance as a habitat for wildlife</b>	<p>The vegetation under application contains habitat components, such as ground-level complexities that provide habitat for fauna species, particularly small birds and reptiles. The vegetation is connected with surrounding vegetation that provides similar structure and is not in isolation.</p> <p>Threatened Fauna Scores – All Vegetation Associations: 0.1</p> <p>Unit Biodiversity Scores – VA1 – 63.46 VA2 – 53.15 VA3 – 56.02 VA4 – 64.49 VA5 – 59.11 VA6 – 63.99 VA7 – 58.97 VA8 – 51.59 VA9 – 76.30 VA10 – 60.15 VA11 – 60.77 VA12 – 62.18 VA13 – 62.02 VA14 – 63.45 VA15 – 56.02 VA16 – 55.47 VA17 – 61.66 VA18 – 63.38 VA19 – 44.33</p>	<p><u>Seriously at Variance:</u> Yes</p>	<p>Given the shape, size, and landscape context of the vegetation under application, it is unlikely clearance will lead to a long-term decrease in the size of any fauna populations. Likewise, clearance will not significantly reduce the area of occupancy of any fauna species.</p> <p>The application area is predominately located either side of an existing road or adjacent existing disturbance areas, therefore clearance will not fragment an existing fauna population into two (2) or more populations.</p> <p>The application area consists of vegetation associations that are regionally well represented and are not critical habitat for any fauna species. Habitat within the application area is likely to provide for common fauna species only.</p> <p>Clearance of the application area will not result in an increase in invasive species that are harmful to a threatened species as construction will adhere to DIT protocols relating to weed management.</p> <p>No threatened species have been recorded within the application area therefore clearance is unlikely to</p>



Principle of clearance	Relevant information	Assessment against the principles	Moderating factors that may be considered by the NVC
			interfere with the recovery of any threatened fauna species.
<b>Principle 1(c) – plants of a rare, vulnerable or endangered species</b>	<p>No threatened flora species were recorded within the application areas during the field assessment. Given the disturbance history and physical characteristics (such as soil type) of the Project Area it is unlikely the threatened flora species identified within the desktop assessment would be present.</p> <p>The desktop assessment identified 12 threatened flora species recorded within 50 kms of the Site within the preceding 20 years. Of these, all were considered unlikely to occur within the application areas.</p> <p>Threatened Flora Scores: All Vegetation Associations – 0</p>	<p><u>Seriously at Variance:</u> No</p> <p><u>At Variance:</u> No</p>	<p>No threatened flora species were recorded during the field assessment and given the proximity of recent records and grazing regime of the vegetation; it is unlikely any threatened flora species would be present within the Project Area.</p> <p>If any threatened flora populations were to be present, given the shape, size, and landscape context of the vegetation under application, it is unlikely clearance will lead to a long-term decrease in the size of any flora populations.</p> <p>Furthermore, in the unlikely event threatened flora species were to be present within the application area, it is likely that given the shape and size of the area, a very small portion would be affected.</p>
<b>Principle 1(d) – the vegetation comprises the whole or part of a plant community that is Rare, Vulnerable or endangered:</b>	<p>No threatened plant communities were identified within either the desktop assessment or during the Site inspections.</p> <p>Conservation Significance Scores: All Vegetation Associations – 1.08</p>	<p><u>Seriously at Variance:</u> No</p> <p><u>At Variance:</u> No</p>	Not Applicable.

## 4.6 Risk Assessment

*Determine the level of risk associated with the application*

**Table 3 – Risk Assessment**

<b>Total clearance</b>	No. of trees	N/A
	Area (ha)	48.779
	Total biodiversity Score	2691.09
<b>Seriously at variance with principle 1(b), 1(c) or 1 (d)</b>		1(b)
<b>Risk assessment outcome</b>		Level 4

## 5 Clearance Summary

Table 4 – Clearance Area Summary Table

Block	Site	Threatened Ecological community Score	Threatened plant score	Threatened fauna score	UBS	Area (ha)	Total Biodiversity score	Loss factor	SEB Points required	SEB payment	Admin Fee
A	1	1	0	0.1	63.46	0.066	4.19	1	4.61	\$342.36	\$18.83
A	2	1	0	0.1	53.15	3.738	198.67	1	218.54	\$16,229.64	\$892.63
A	3	1	0	0.1	56.02	0.108	6.05	1	6.66	\$494.60	\$27.20
A	4	1	0	0.1	64.49	0.033	2.13	1	2.34	\$173.78	\$9.56
A	5	1	0	0.1	59.11	0.31	18.32	1	20.15	\$1,496.42	\$82.30
A	6	1	0	0.1	63.99	0.781	49.98	1	54.98	\$4,083.03	\$224.57
A	7	1	0	0.1	58.97	1.172	69.11	1	76.02	\$5,645.55	\$310.51
A	8	1	0	0.1	51.59	23.993	1237.80	1	1361.58	\$101,116.31	\$5,561.40
A	9	1	0	0.1	76.3	0.443	33.80	1	37.18	\$2,761.13	\$151.86
A	10	1	0	0.1	60.15	3.225	193.98	1	213.38	\$15,846.44	\$871.55
A	11	1	0	0.1	60.77	0.33	20.05	1	22.06	\$1,638.26	\$90.10
A	12	1	0	0.1	62.18	0.394	24.50	1	26.95	\$2,001.41	\$110.08
A	13	1	0	0.1	62.02	0.52	32.25	1	35.48	\$2,634.89	\$144.92
A	14	1	0	0.1	63.45	3.4	215.73	1	237.30	\$17,622.84	\$969.26
A	15	1	0	0.1	56.02	0.091	5.10	1	5.61	\$416.62	\$22.91
A	16	1	0	0.1	55.47	0.266	14.76	1	16.24	\$1,206.05	\$66.33
A	17	1	0	0.1	61.66	1.167	71.96	1	79.16	\$5,878.73	\$323.33
A	18	1	0	0.1	63.38	5.521	349.92	1	384.91	\$28,584.94	\$1,572.17
A	19	1	0	0.1	44.33	3.221	142.79	1	157.07	\$11,664.64	\$641.56
<b>Total</b>						<b>48.779</b>	<b>2691.09</b>		<b>2960.22</b>	<b>\$219,837.64</b>	<b>\$12,091.07</b>

Table 5 – Totals Summary Table

	Total Biodiversity score	Total SEB points required	SEB Payment	Admin Fee	Total Payment
<b>Application</b>	2691.09	2960.22	\$219,837.64	\$12,091.07	\$231,928.71

<b>Economies of Scale Factor</b>	0.110
<b>Rainfall (mm)</b>	186



## 6 Significant Environmental Benefit

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A SEB is required for approval to clear under Division 5 of the *Native Vegetation Regulations 2017*. The NVC must be satisfied that as a result of the loss of vegetation from the clearance that an SEB will result in a positive impact on the environment that is over and above the negative impact of the clearance.

### ACHIEVING AN SEB

Indicate how the SEB will be achieved by ticking the appropriate box and providing the associated information:

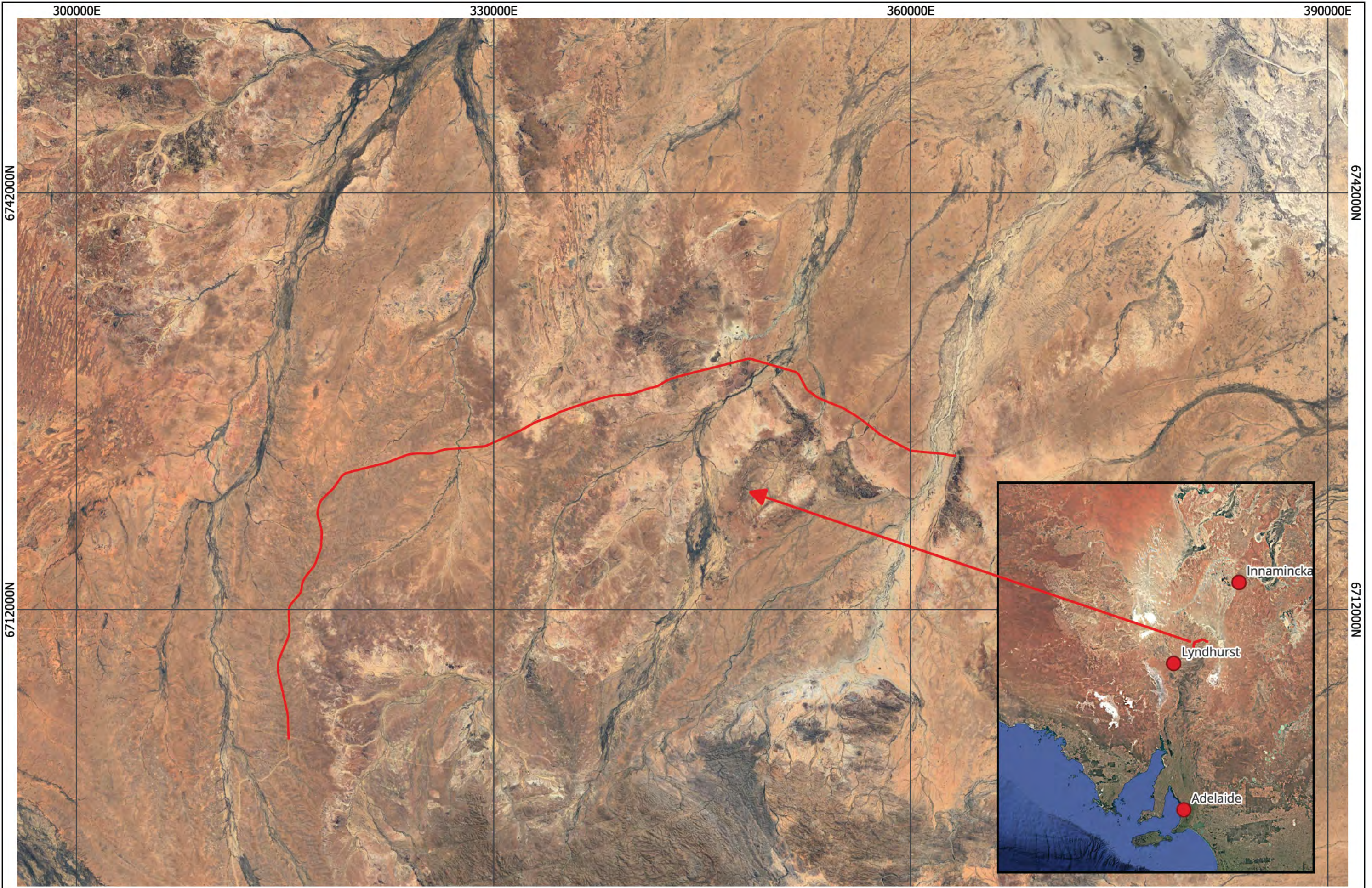
- ☐ Establish a new SEB Area on land owned by the proponent.
- ☐ Use SEB Credit that the proponent has established. Provide the SEB Credit Ref. No. \_\_\_\_\_
- ☐ Apply to have SEB Credit assigned from another person or body. The [application form](#) needs to be submitted with this Data Report.
- ☐ Apply to have an SEB to be delivered by a Third Party. The [application form](#) needs to be submitted with this Data Report.
- ☒ Pay into the Native Vegetation Fund.

### PAYMENT SEB

Payment of \$231,928.71, including administration fee of \$12,091.07, to be paid into the NVF with opportunities to provide on-ground SEB Offsets via an NVC Accredited Third Party Provider currently being investigated.

**DRAWINGS**





REV	DESCRIPTION	DATE	BY

Data  
Photography Google Satellite imagery accessed 14-August-2025  
Topography  
Contours Data as per as boundaries are indicative only not all boundaries shown  
Elevation  
Other SARTO 2024



PROJECT  
**Strzelecki Track Upgrade**

CLIENT  
**Department for Infrastructure and Transport**

FILE  
**Project Location MM 300-367**

GROUNDWORK  
PART OF SLR

SCALE  
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When Printed On A3

DATE  
14-August-2025

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14-August-2025

DRAWING NUMBER  
**2547.DRG.178**

REVISION

DATUM  
MGA / AHD / 54

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DATE  
14-August-2025

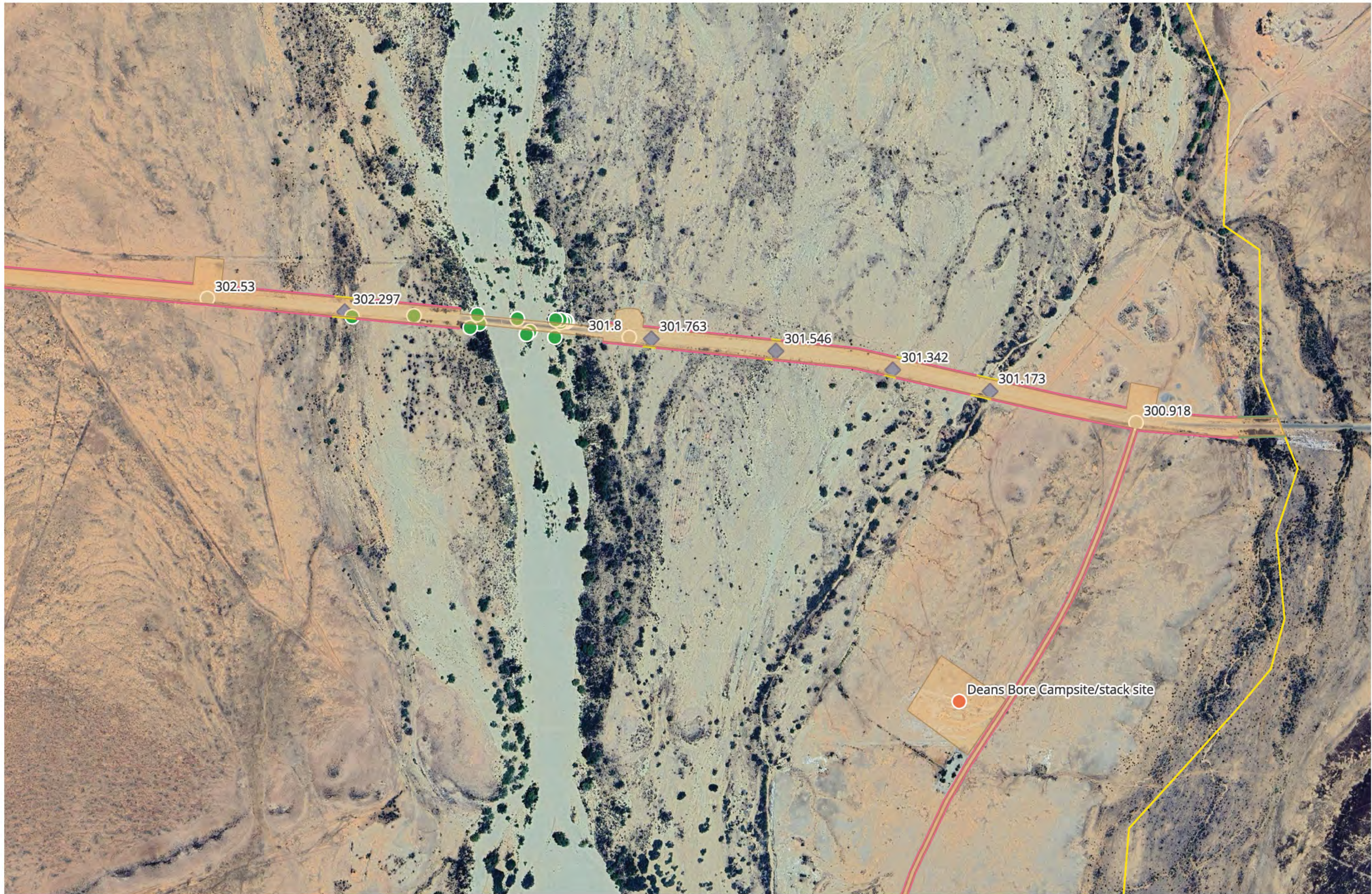
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REV	DESCRIPTION	DATE	BY

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Photography Google Satellite imagery accessed 14-August-2025  
Cartography Data as per as boundaries are indicative only not all boundaries shown  
Consultation Other SAR 0.2024

Legend		
Existing MAZ	VA3	MTP MM 300 to 369
VA1	Trees to be retained	Native Title Boundary
VA2	Water Crossings MM 300 - 369	

PROJECT	Strzelecki Track Upgrade
CLIENT	Department for Infrastructure and Transport

FILE	MM 300-367 NVC Map 1
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DATE 14-August-2025	DATE 14-August-2025
PRINTED 14-August-2025	CHECKED
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DRAWING NUMBER 2547.DRG.179	REVISION





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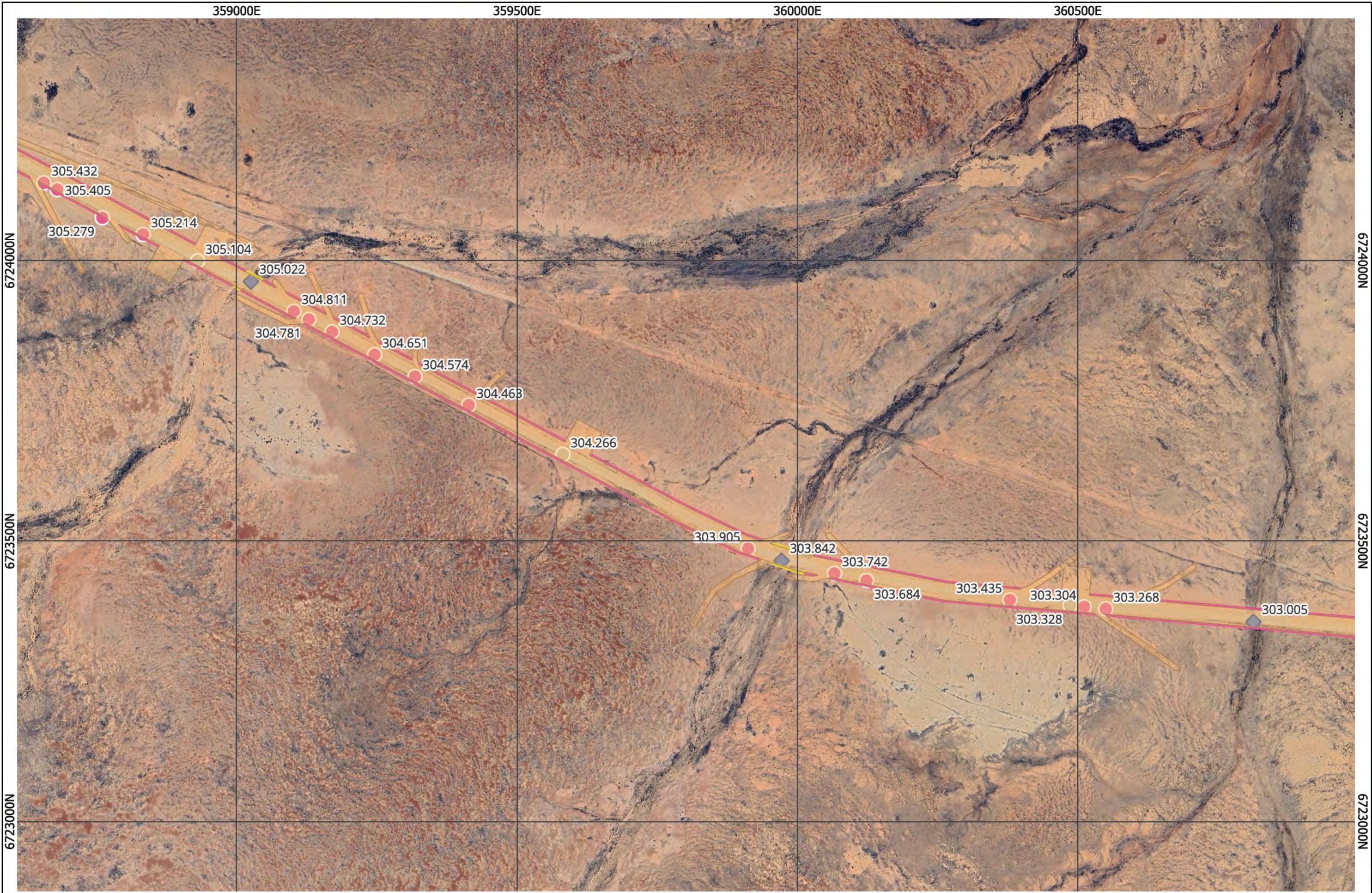
- Legend:
- Existing MAZ
  - VA2
  - Native Title Boundary



PROJECT	Strzelecki Track Upgrade
CLIENT	Department for Infrastructure and Transport

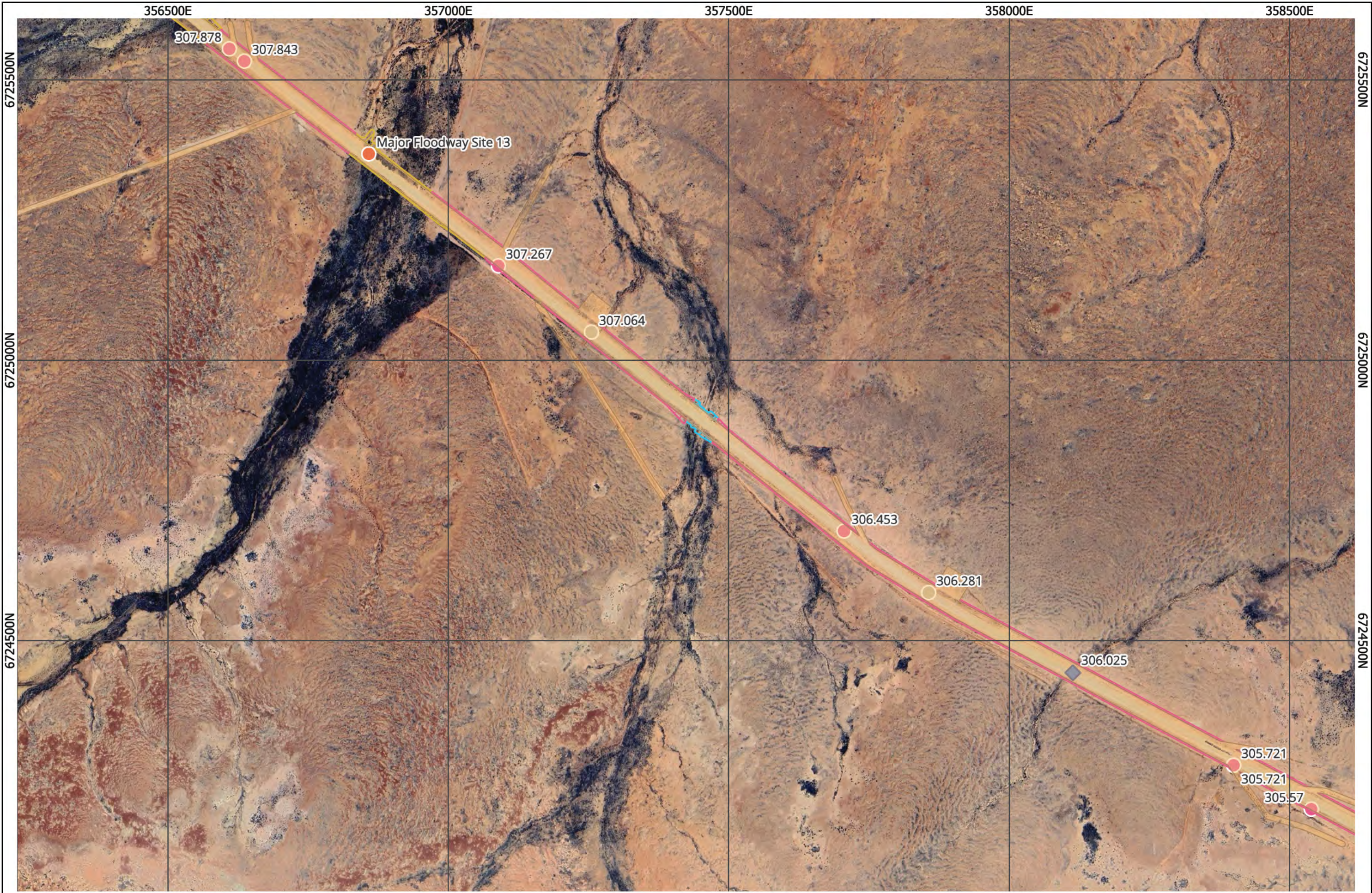
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PREPARED BY	28-June-2024
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Topography  
Contours Data as per as boundaries are indicative only not all boundaries shown  
Elevation  
Other SAR G 2004

**Legend**

Existing MAZ	VA6	Cut Off Drains MM 300 to 369
VA2	Water Crossings MM 300 - 369	Native Title Boundary
VA5	MTP MM 300 to 369	

**PROJECT**  
Strzelecki Track Upgrade

**CLIENT**  
Department for Infrastructure and Transport

**FILE**  
MM 300-367 NVC Map 4

**GROUNDWORK**  
PART OF SLR

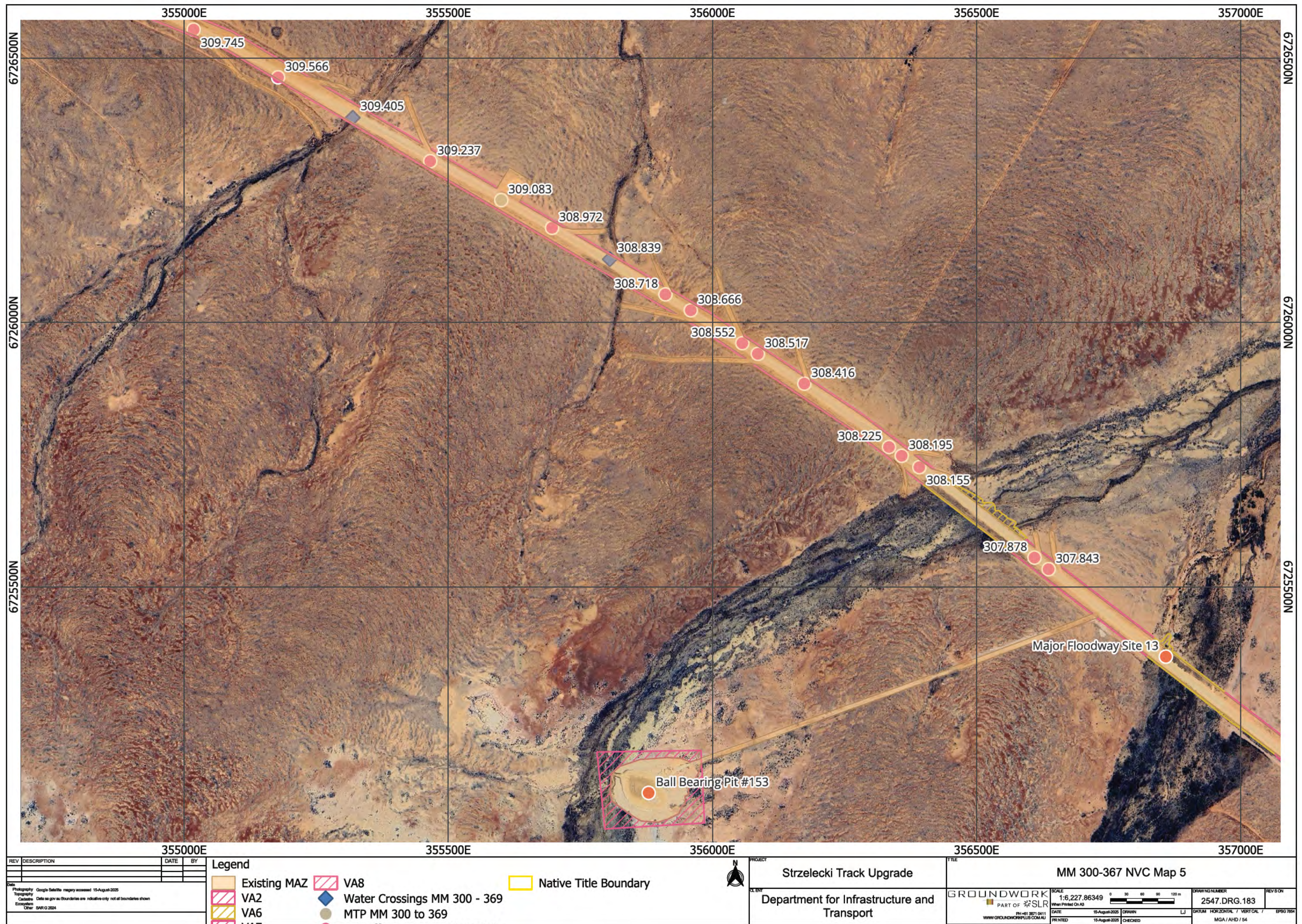
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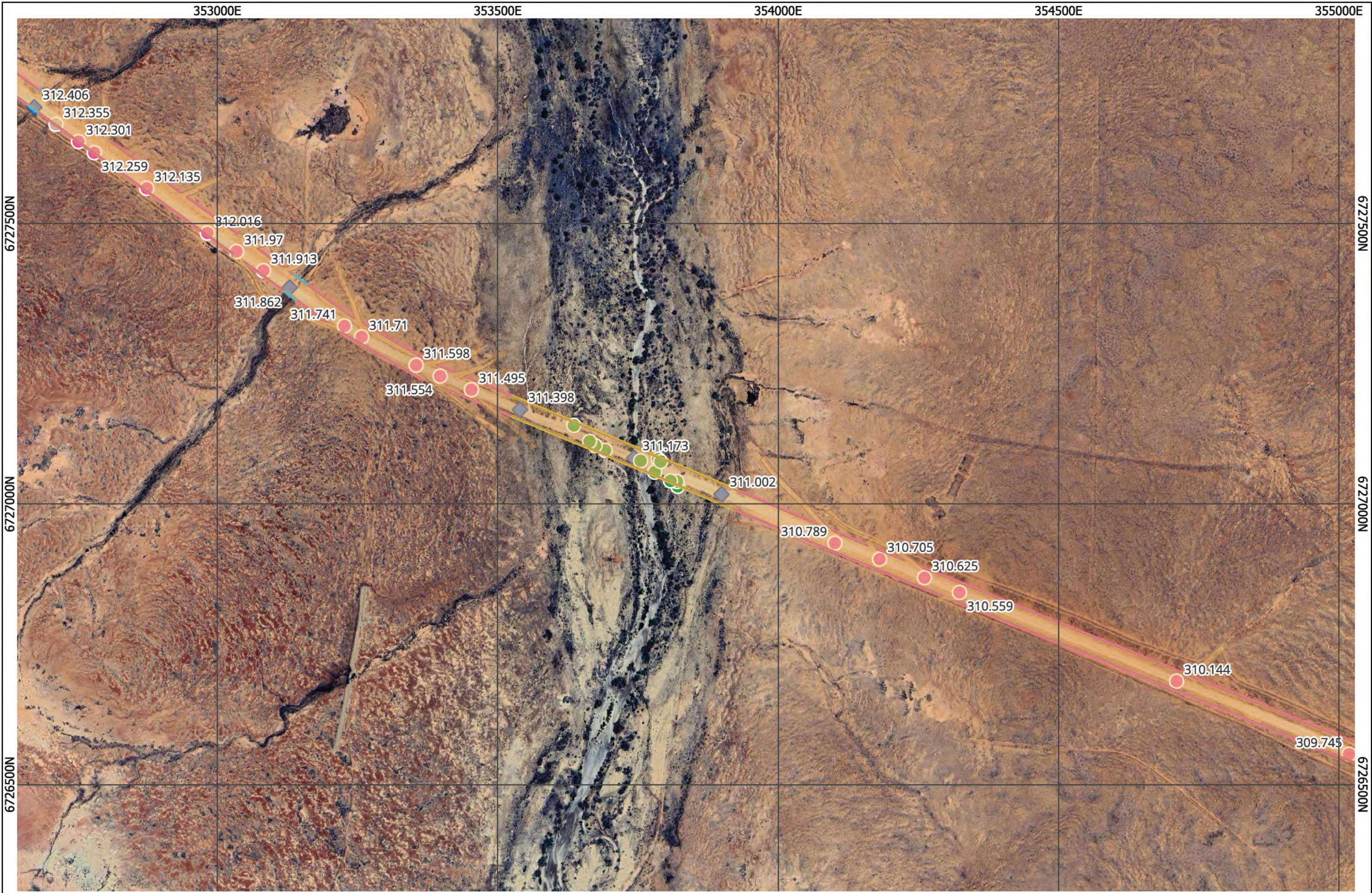
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REVISION: 1  
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REV	DESCRIPTION	DATE	BY

**Legend**

Existing MAZ	VA9	MTP MM 300 to 369
VA5	Trees to be retained	Cut Off Drains MM 300 to 369
VA8	Water Crossings MM 300 - 369	

**PROJECT**  
Strzelecki Track Upgrade

**CLIENT**  
Department for Infrastructure and Transport

**FILE**  
MM 300-367 NVC Map 6

**GROUNDWORK**  
PART OF SLR

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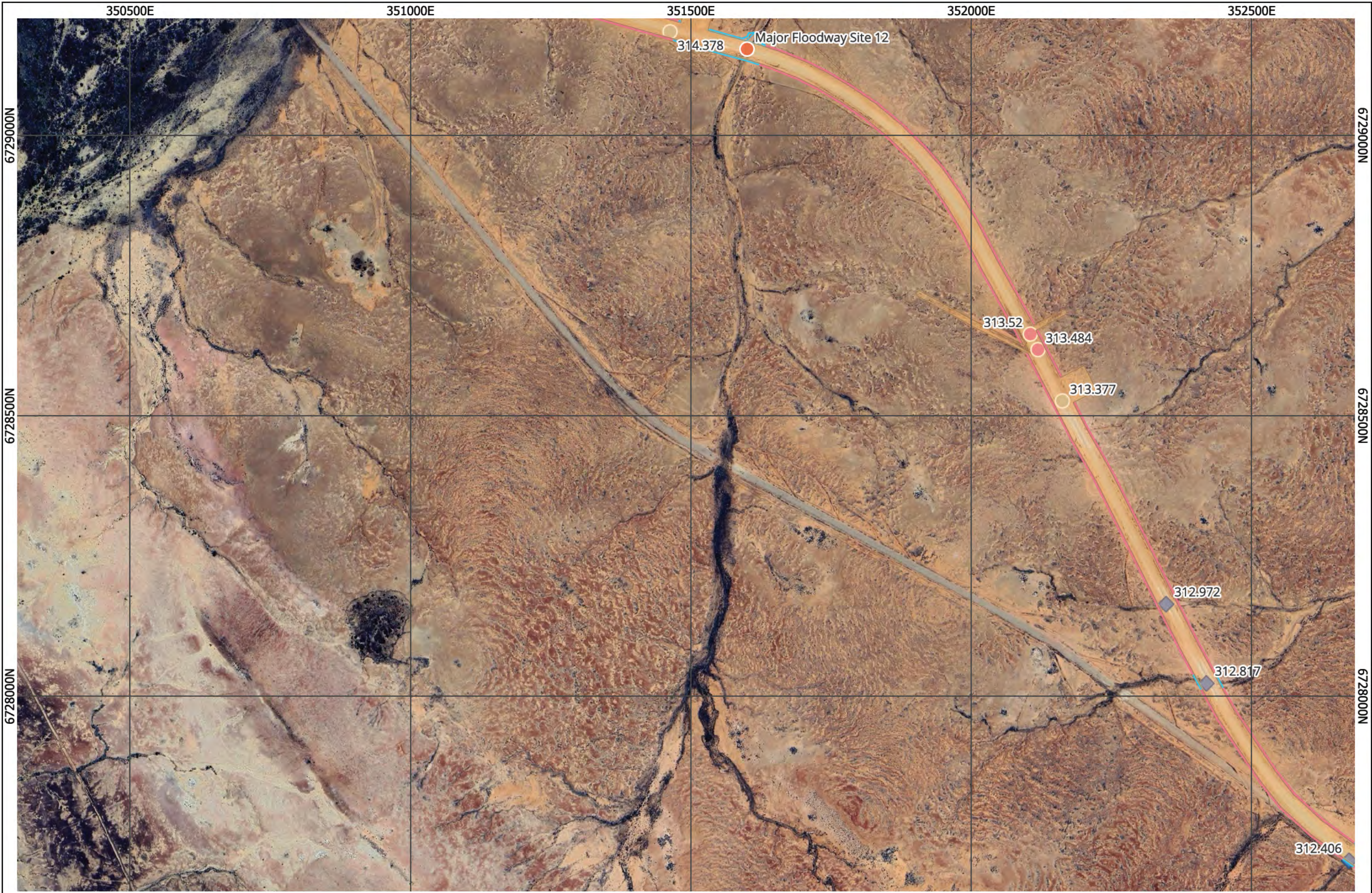
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DATUM: MGA / AHD / 54

REVISION:






REV	DESCRIPTION	DATE	BY

Photography: Google Satellite imagery accessed 15-August-2025  
Topography: Data as per as boundaries are indicative only not all boundaries shown  
Contours: Data as per as boundaries are indicative only not all boundaries shown  
Elevation: Data as per as boundaries are indicative only not all boundaries shown  
Other: SAR 0.2004

**Legend**

- Existing MAZ
- VA5
- VA8
- Water Crossings MM 300 - 369
- MTP MM 300 to 369
- Cut Off Drains MM 300 to 369



**PROJECT**  
Strzelecki Track Upgrade

**CLIENT**  
Department for Infrastructure and Transport

**FILE**  
MM 300-367 NVC Map 7

**GROUNDWORK**  
PART OF SLR

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Printed: 15-August-2025

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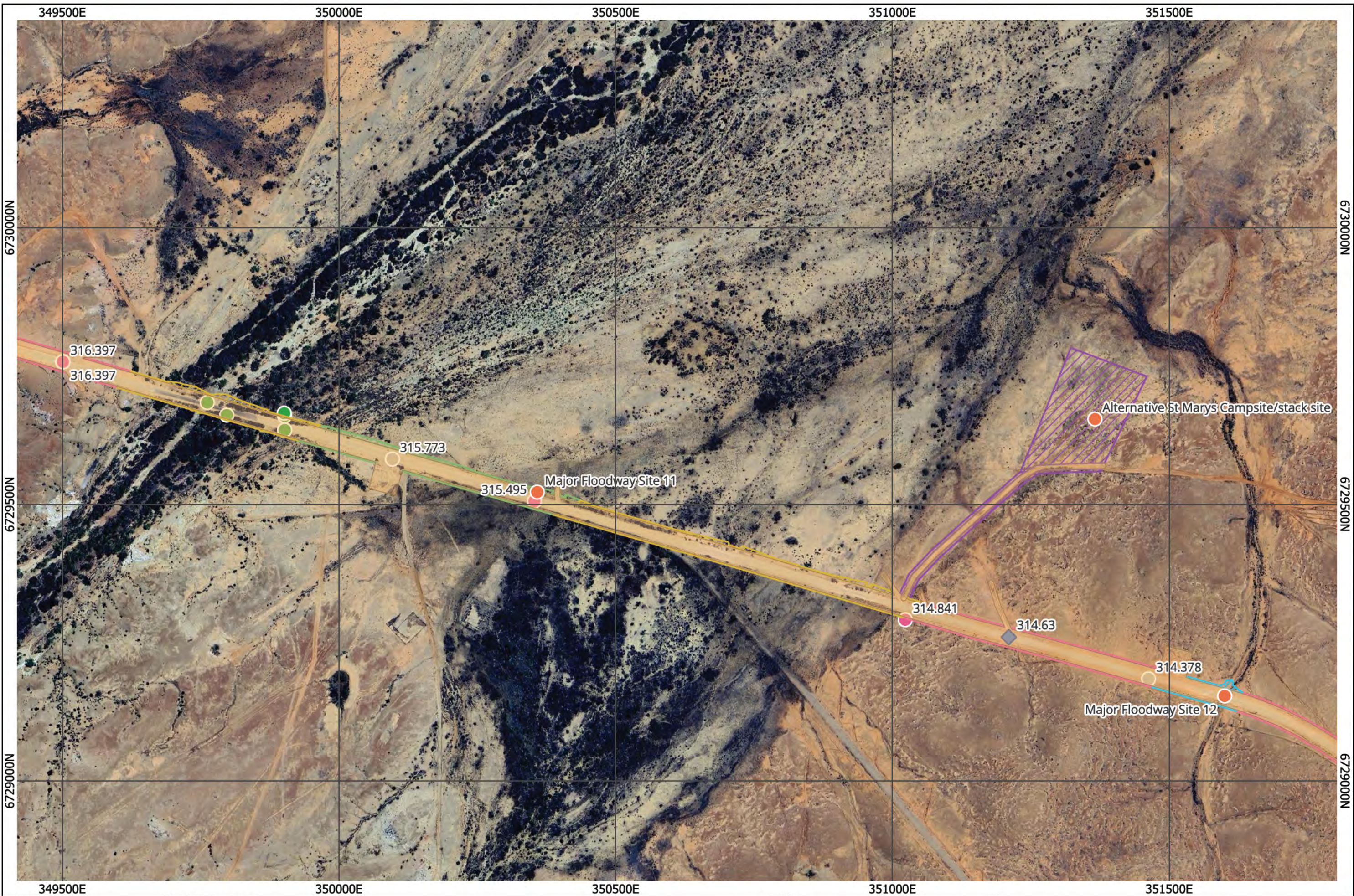
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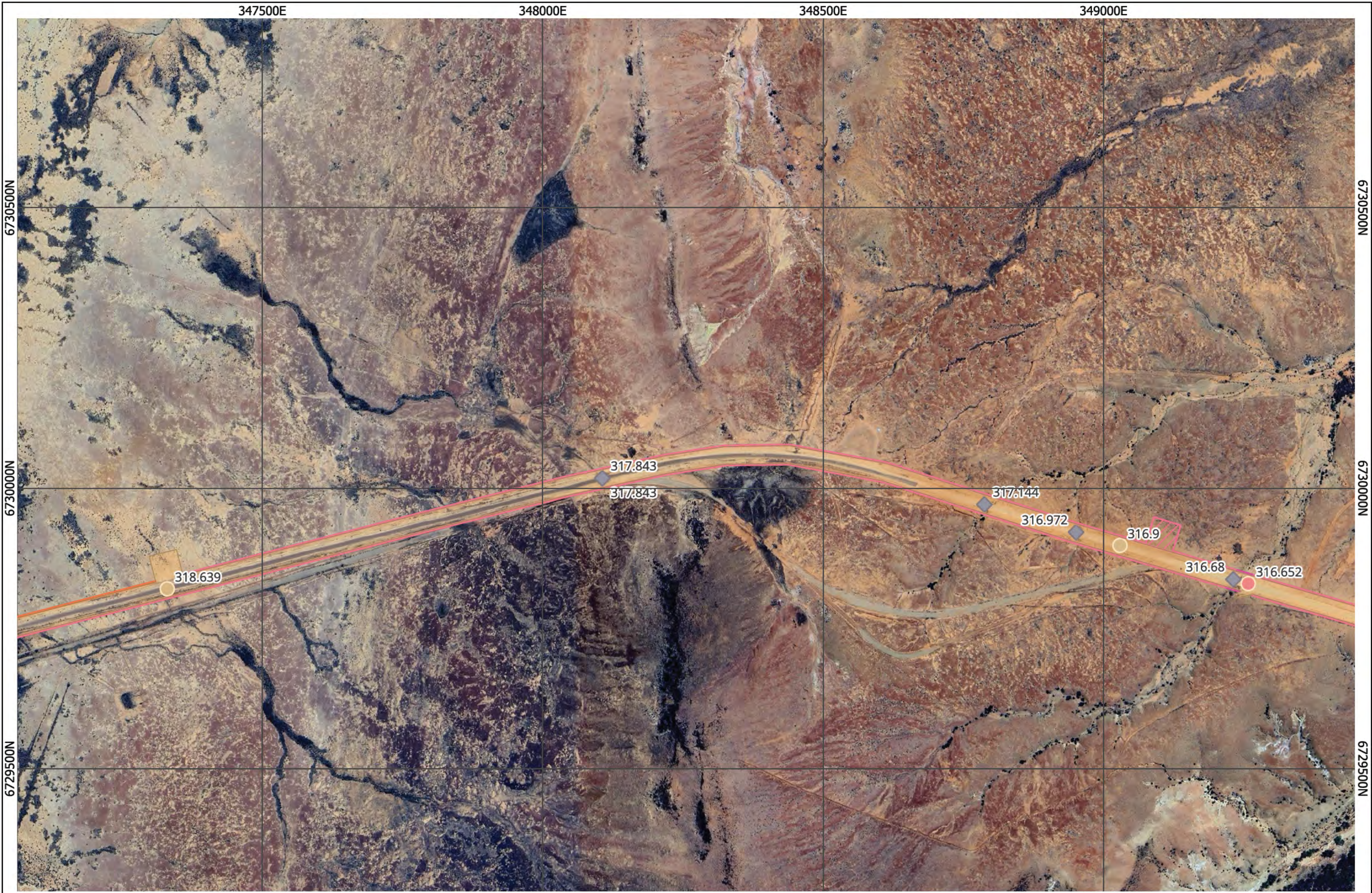
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REV	DESCRIPTION	DATE	BY

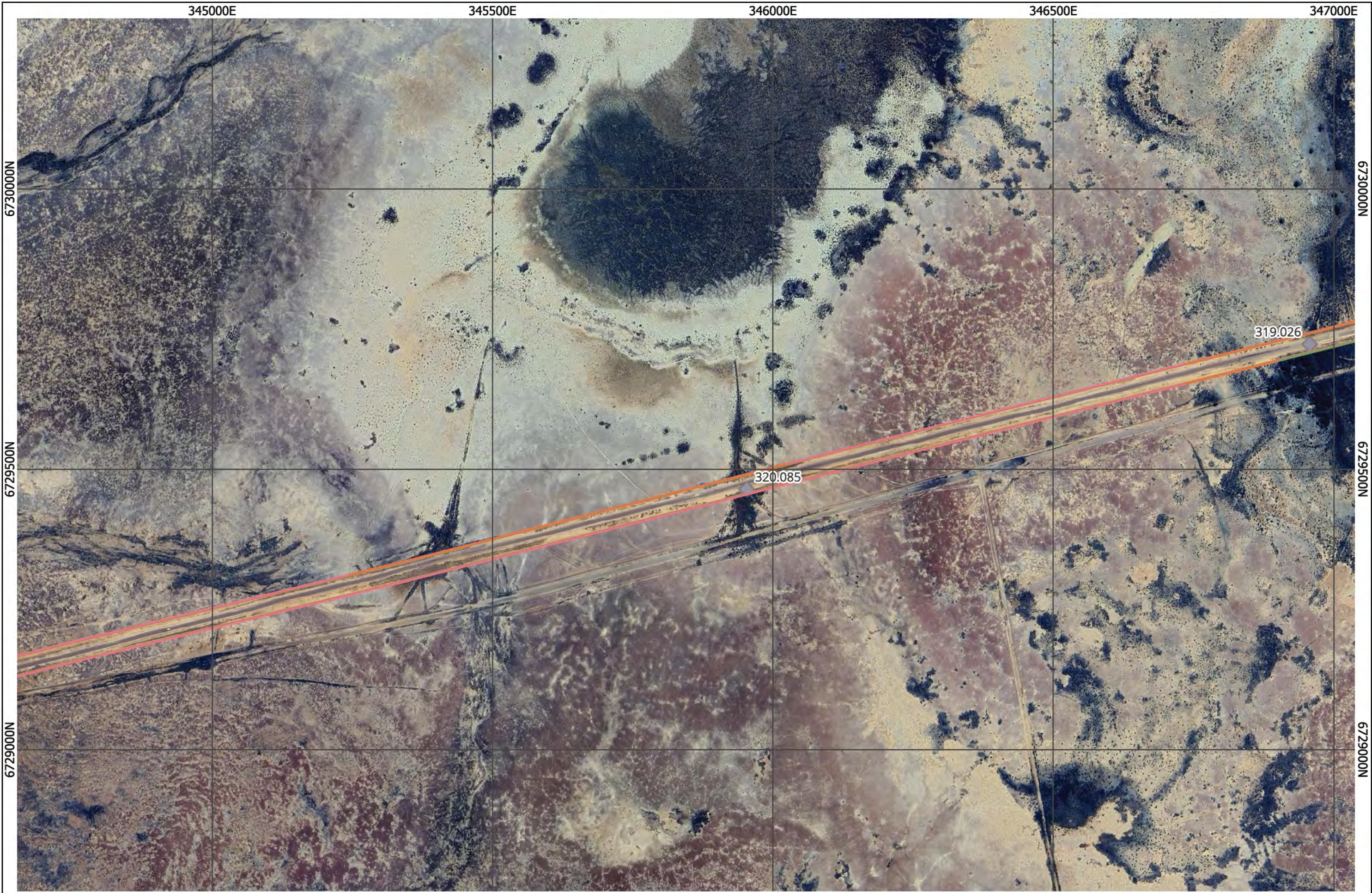
Data  
Photography Google Satellite imagery accessed 15-August-2025  
Topography Data as per as boundaries are indicative only not all boundaries shown  
Cartography  
Elevation  
Other SAR G 2024

**Legend**

Existing MAZ	VA12	Cut Off Drains MM 300 to 369
VA4	Water Crossings MM 300 - 369	
VA8	MTP MM 300 to 369	

 PROJECT Strzelecki Track Upgrade CLIENT Department for Infrastructure and Transport	FILE MM 300-367 NVC Map 9	
	<b>GROUNDWORK</b> <small>PART OF SLR</small> <small>PR-481 3071 0411</small> <small>WWW.GROUNDWORKPUB.COM.AU</small>	<small>SCALE</small> 1:6,227.66349 <small>When Printed On A3</small>  <small>DATE</small> 15-August-2025 <small>DRAWN</small> LJ <small>DATUM</small> HORIZONTAL / VERTICAL / <small>EPSG</small> 7854 <small>PRINTED</small> 15-August-2025 <small>CHECKED</small>
<small>DRAWING NUMBER</small> 2547.DRG.187		<small>REV</small> 5.0





REV DESCRIPTION		DATE	BY
Data Photography Google Satellite imagery accessed 15-August-2025 Cartography Data as per as boundaries are indicative only not all boundaries shown Consultation Other SAR G 2004			

Legend	
Existing MAZ	VA8
VA1	VA12
Water Crossings MM 300 - 369	

	PROJECT Strzelecki Track Upgrade	FILE MM 300-367 NVC Map 10	
	CLIENT Department for Infrastructure and Transport	GROUNDWORK PART OF SLR Scale 1:6,227.66349 When Printed On A3 DATE 15-August-2025 DRAWN LJ PRINTED 15-August-2025 CHECKED	

DRAWING NUMBER 2547.DRG.188	REVISON
DATUM HORIZONTAL / VERTICAL / EPSG 7854 MGA / AHD / 54	





REV	DESCRIPTION	DATE	BY

Data  
Photography Google Satellite imagery accessed 15-August-2025  
Topography Data as per as boundaries are indicative only not all boundaries shown  
Contours Other SAAO 2004

**Legend**  

Existing MAZ

VA8

VA12

Water Crossings MM 300 - 369

MTP MM 300 to 369

PROJECT  
**Strzelecki Track Upgrade**

CLIENT  
**Department for Infrastructure and Transport**

FILE  
**MM 300-367 NVC Map 11**

**GROUNDWORK**  
PART OF SLR  
PR-481 3071 0411  
WWW.GROUNDWORKPLUS.COM.AU

SCALE  
1:6,227.86349  
When Printed On A3

0 30 60 90 120 m

DATE 15-Aug-2025  
PRINTED 15-Aug-2025

DRAWN LJ  
CHECKED

DRAWING NUMBER  
**2547.DRG.189**

REVISION  
BPSG 7894

DATUM HORIZONTAL / VERTICAL /  
MGA / AHD / 54





<b>REV DESCRIPTION</b>		<b>DATE</b>	<b>BY</b>
<small>Data Photography Google Satellite imagery accessed 15-August-2025 Topography Data as per as boundaries are indicative only not all boundaries shown Contours Other SAR G 2004</small>			

<b>Legend</b>	<div><div>Existing MAZ</div><div>VA5</div><div>VA8</div></div>	<div><div>VA13</div><div>VA14</div><div>Water Crossings MM 300 - 369</div></div>	<div><div>MTP MM 300 to 369</div></div>
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N

PROJECT

Strzelecki Track Upgrade

CLIENT

Department for Infrastructure and Transport

FILE

MM 300-367 NVC Map 12

GROUNDWORK

PART OF SLR

www.groundworkplus.com.au

SCALE

1:6,227.66349

0 30 60 90 120 m

DATE

15-August-2025

PRINTED

15-August-2025

DATE

15-August-2025

CHECKED

DRAWN

LJ

DRAWN

DRAWING NUMBER

2547.DRG.190

REVISION

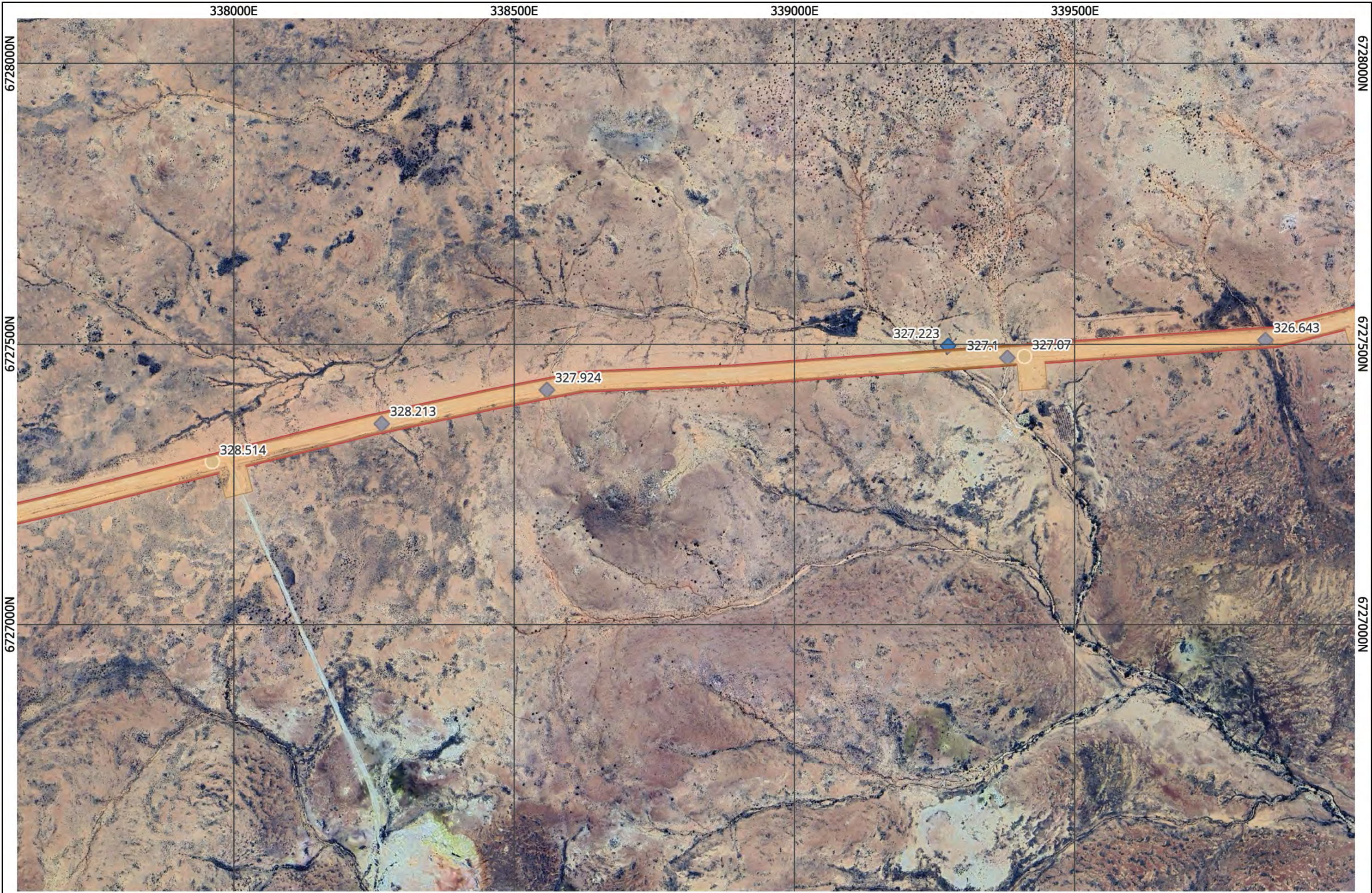
DATUM

HORIZONTAL / VERTICAL /

MGA / AHD / 54

EPSG 7854



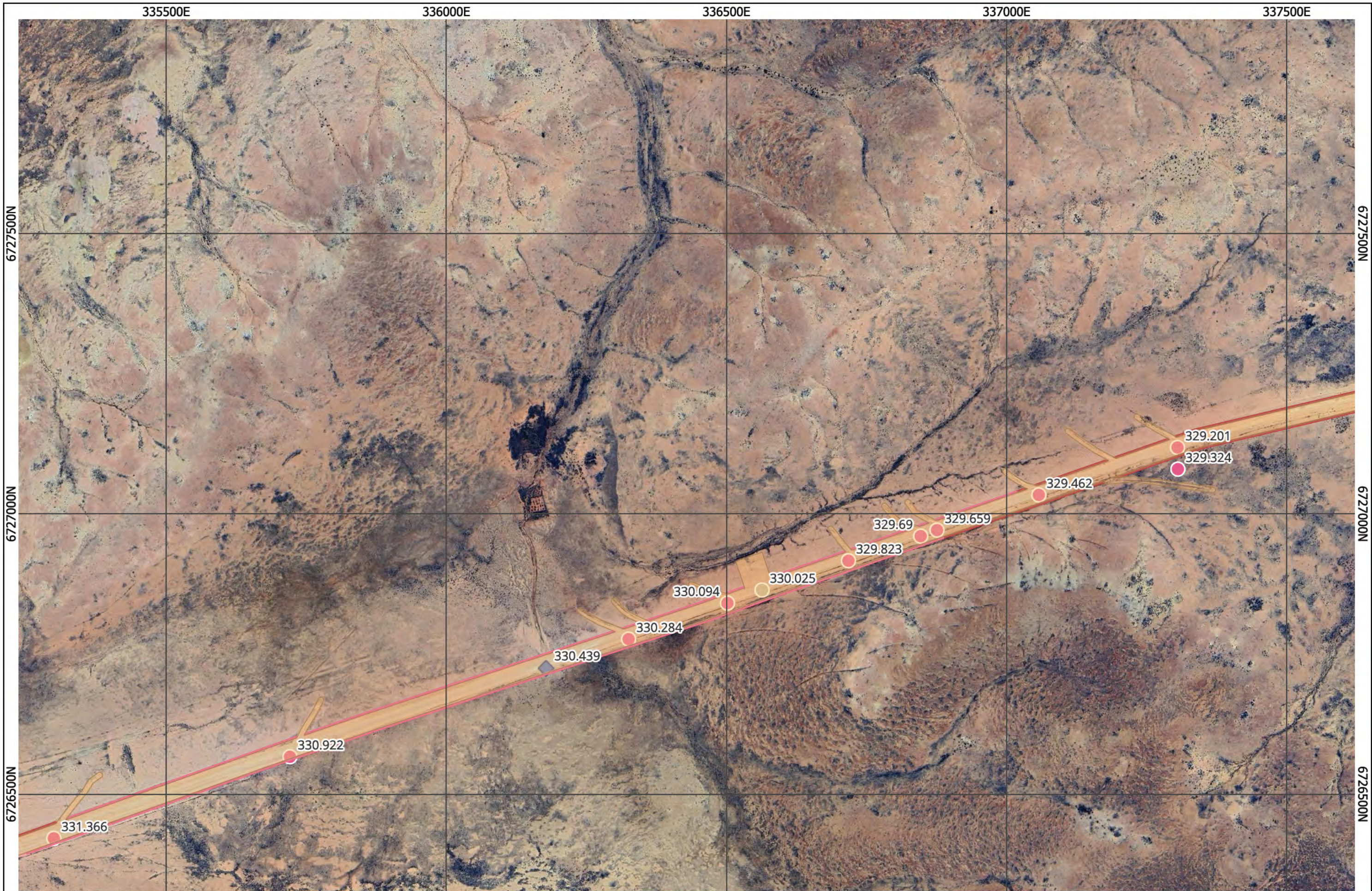


REV DESCRIPTION		DATE	BY
Data Photography Google Satellite imagery accessed 15-August-2025 Topography Contours Data as per as boundaries are indicative only not all boundaries shown Elevation Other SARG 2024			

Legend	
Existing MAZ	VA14
VA13	Water Crossings MM 300 - 369
MTP MM 300 to 369	

PROJECT Strzelecki Track Upgrade		FILE MM 300-367 NVC Map 13	
CLIENT Department for Infrastructure and Transport		GROUNDWORK PART OF SLR	
SCALE 1:6,227.86349		DRAWING NUMBER 2547.DRG.191	
DATE 15-August-2025		DATE 15-August-2025	
PRINTED 15-August-2025		CHECKED	
DRAFT		LJ	
WWW.GROUNDWORKSLR.COM.AU		MGA / AHD / 54	





REV	DESCRIPTION	DATE	BY

Data  
Photography Google Satellite imagery accessed 15-August-2025  
Topography Data as per as boundaries are indicative only not all boundaries shown  
Cartography  
Elevation  
Other SAR G 2004

**Legend**

Existing MAZ	VA15	Cut Off Drains MM 300 to 369
VA8	Water Crossings MM 300 - 369	
VA14	MTP MM 300 to 369	

**PROJECT**  
Strzelecki Track Upgrade

**CLIENT**  
Department for Infrastructure and Transport

**FILE**  
MM 300-367 NVC Map 14

**GROUNDWORK**  
PART OF SLR

SCALE: 1:6,227.86349  
When Printed On A3

DATE: 15-August-2025  
PRINTED: 15-August-2025

DRAWN: LJ  
CHECKED:

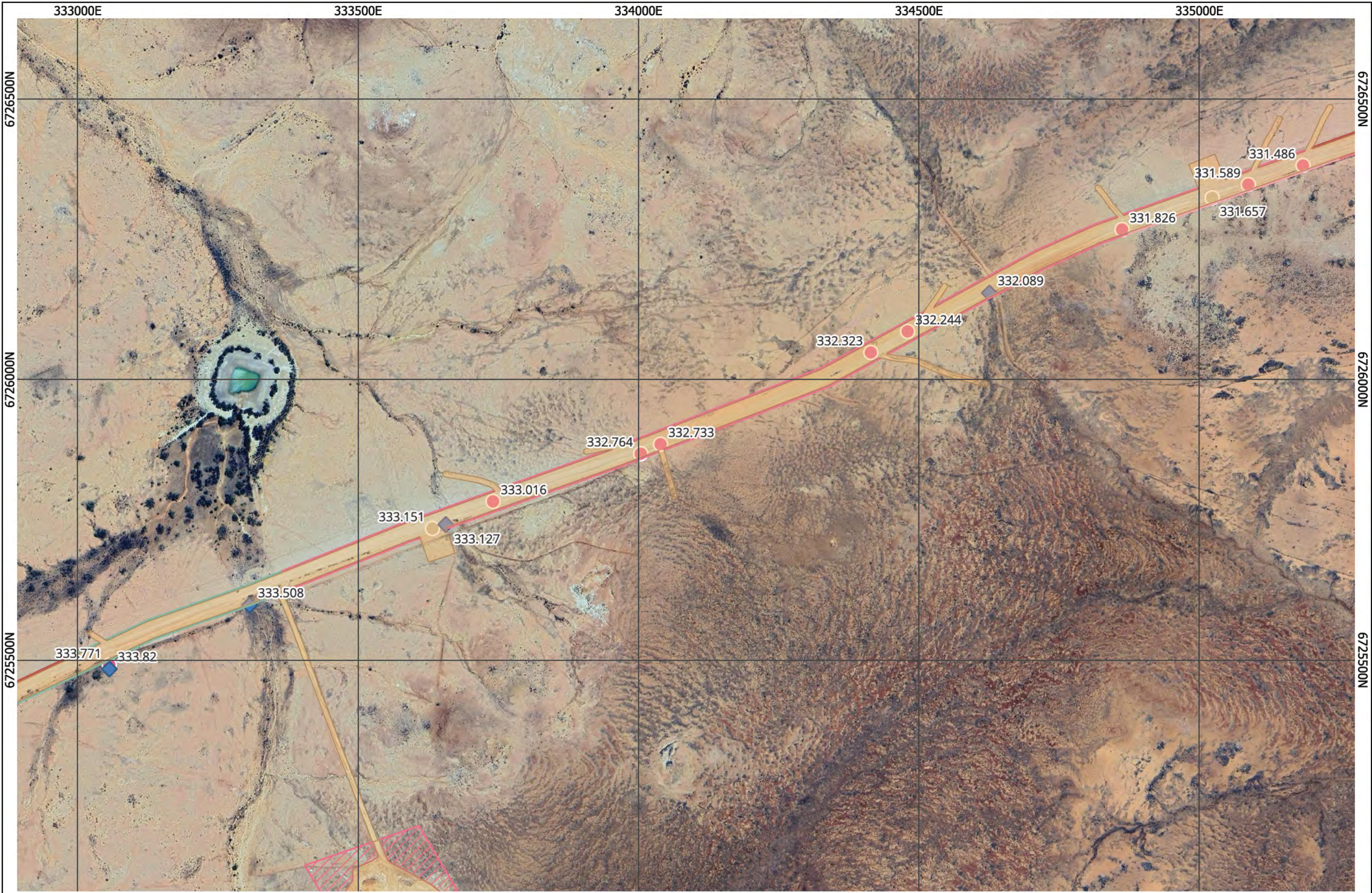
DRAWING NUMBER: 2547.DRG.192

REVISION

DATUM: MGA / AHD / 54

SPRINT: 15-August-2025





REV	DESCRIPTION	DATE	BY

Data  
Photography Google Satellite imagery accessed 15-August-2025  
Topography Data as per as boundaries are indicative only not all boundaries shown  
Contours  
Other SAR G 2004

Legend

Existing MAZ

VA8

VA14

VA15

VA16

Water Crossings MM 300 - 369

MTP MM 300 to 369

Cut Off Drains MM 300 to 369

N

PROJECT

Strzelecki Track Upgrade

CLIENT

Department for Infrastructure and Transport

FILE

MM 300-367 NVC Map 15

GROUNDWORK

PART OF SLR

15-August-2025

15-August-2025

15-August-2025

15-August-2025

SCALE

1:6,227.66349

0 30 60 90 120 m

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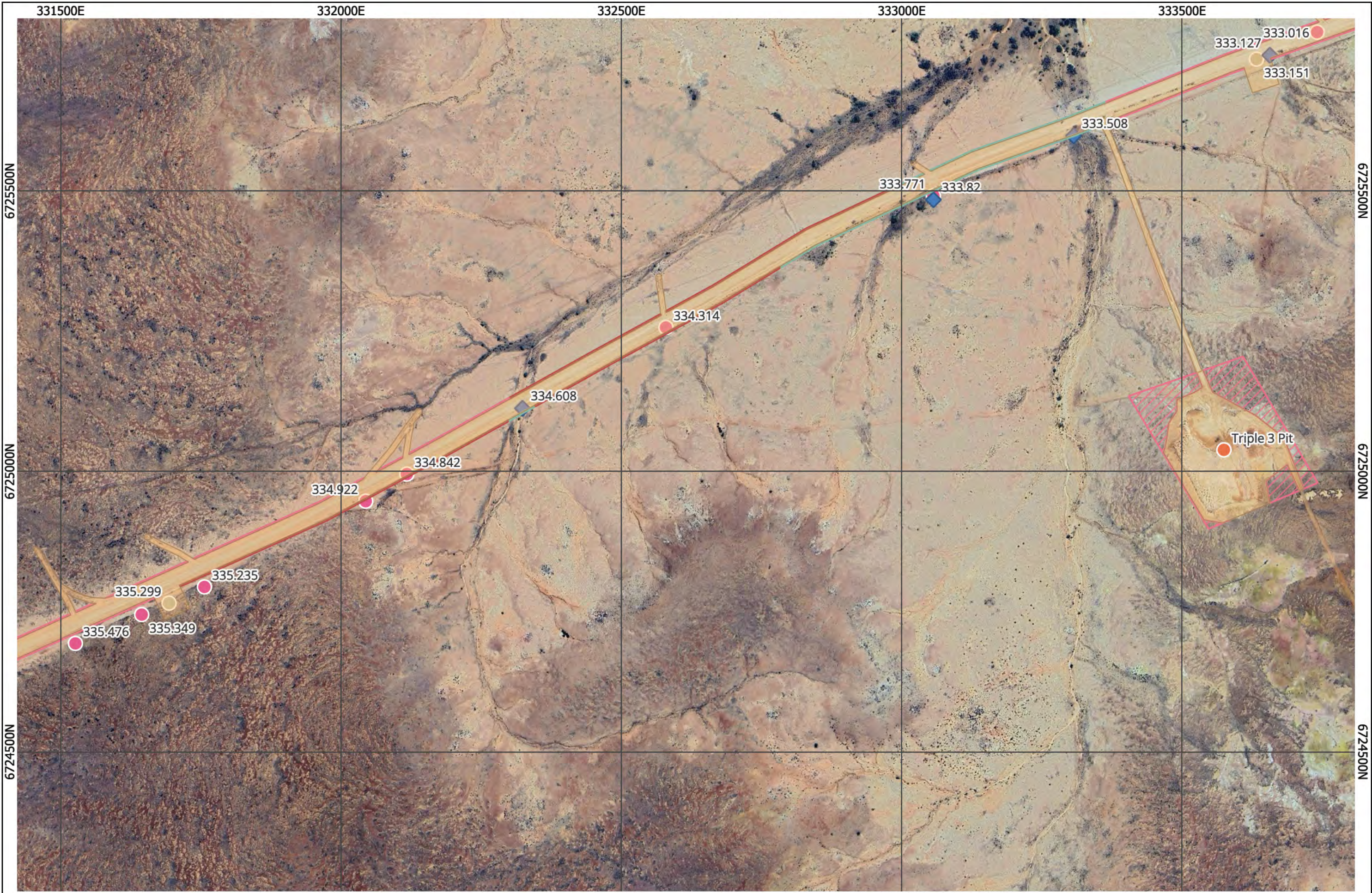
REVISION

DATUM

HORIZONTAL / VERTICAL

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REV	DESCRIPTION	DATE	BY

Data  
Photography Google Satellite imagery accessed 15-August-2025  
Topography  
Contours Data as per as boundaries are indicative only not all boundaries shown  
Elevation  
Other SAR G 2004

**Legend**  

Existing MAZ

VA8

VA14

VA16

Water Crossings MM 300 - 369

MTP MM 300 to 369

Cut Off Drains MM 300 to 369

**PROJECT**  
Strzelecki Track Upgrade

**CLIENT**  
Department for Infrastructure and Transport

**SCALE**  
1:6,227.66349  
When Printed On A3

**DATE**  
15-August-2025

**PRINTED**  
15-August-2025

**DATE**  
15-August-2025

**CHECKED**

**DRAWING NUMBER**  
2547.DRG.194

**REVISION**

**DATUM**  
MGA / AHD / 54

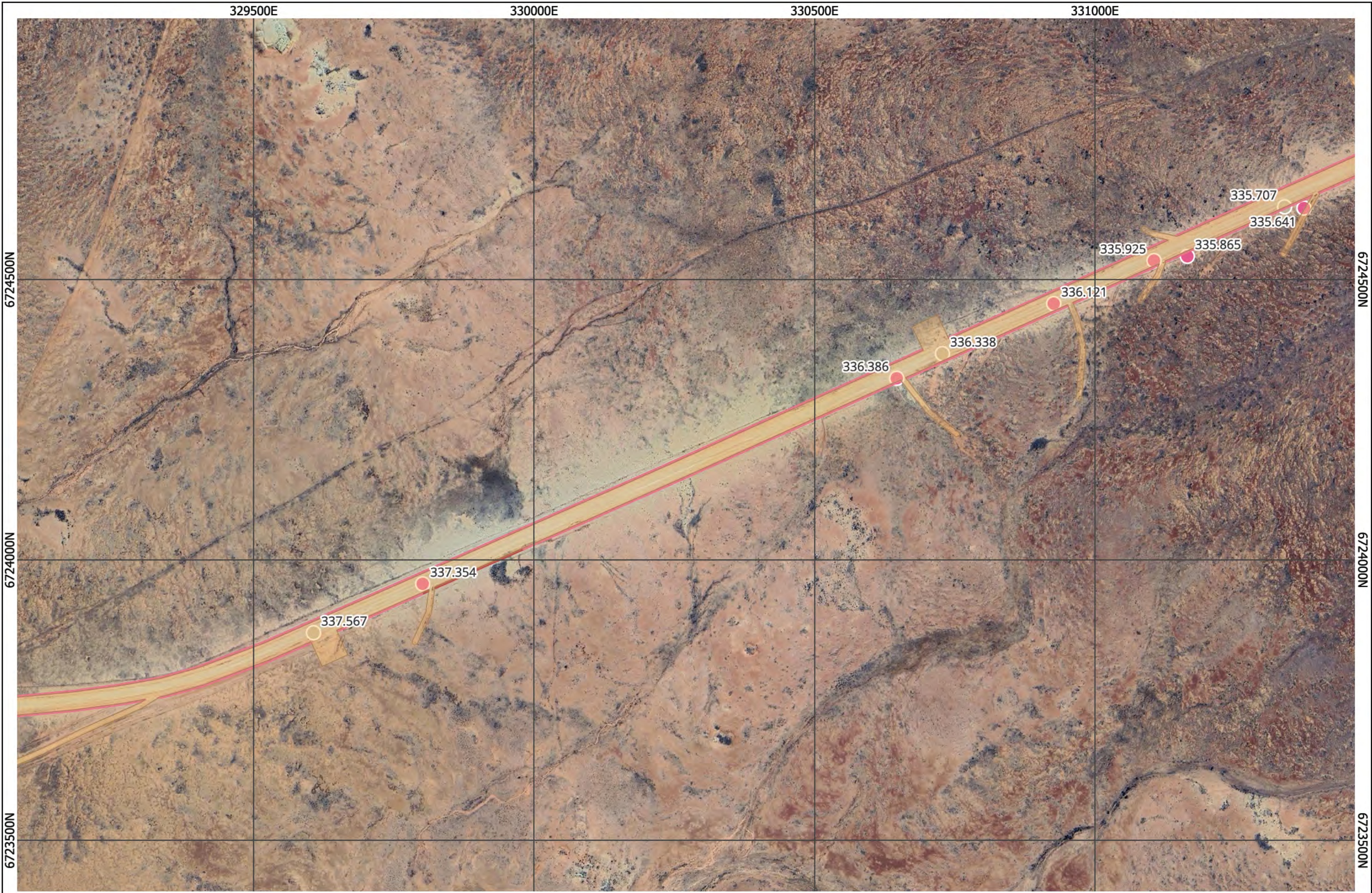
**GROUNDWORK**  
PART OF SLR  
R1461 3071 0411  
WWW.GROUNDWORKPLUS.COM.AU

**DATE**  
15-August-2025

**DRAWN**  
LJ

**CHECKED**





REV DESCRIPTION		DATE	BY
<small>Data Photography Google Satellite imagery accessed 15-August-2025 Topography Contours Data as per as boundaries are indicative only not all boundaries shown Elevation Other SAR G 2004</small>			

<b>Legend</b>	
Existing MAZ	VA14
VA8	MTP MM 300 to 369
Cut Off Drains MM 300 to 369	

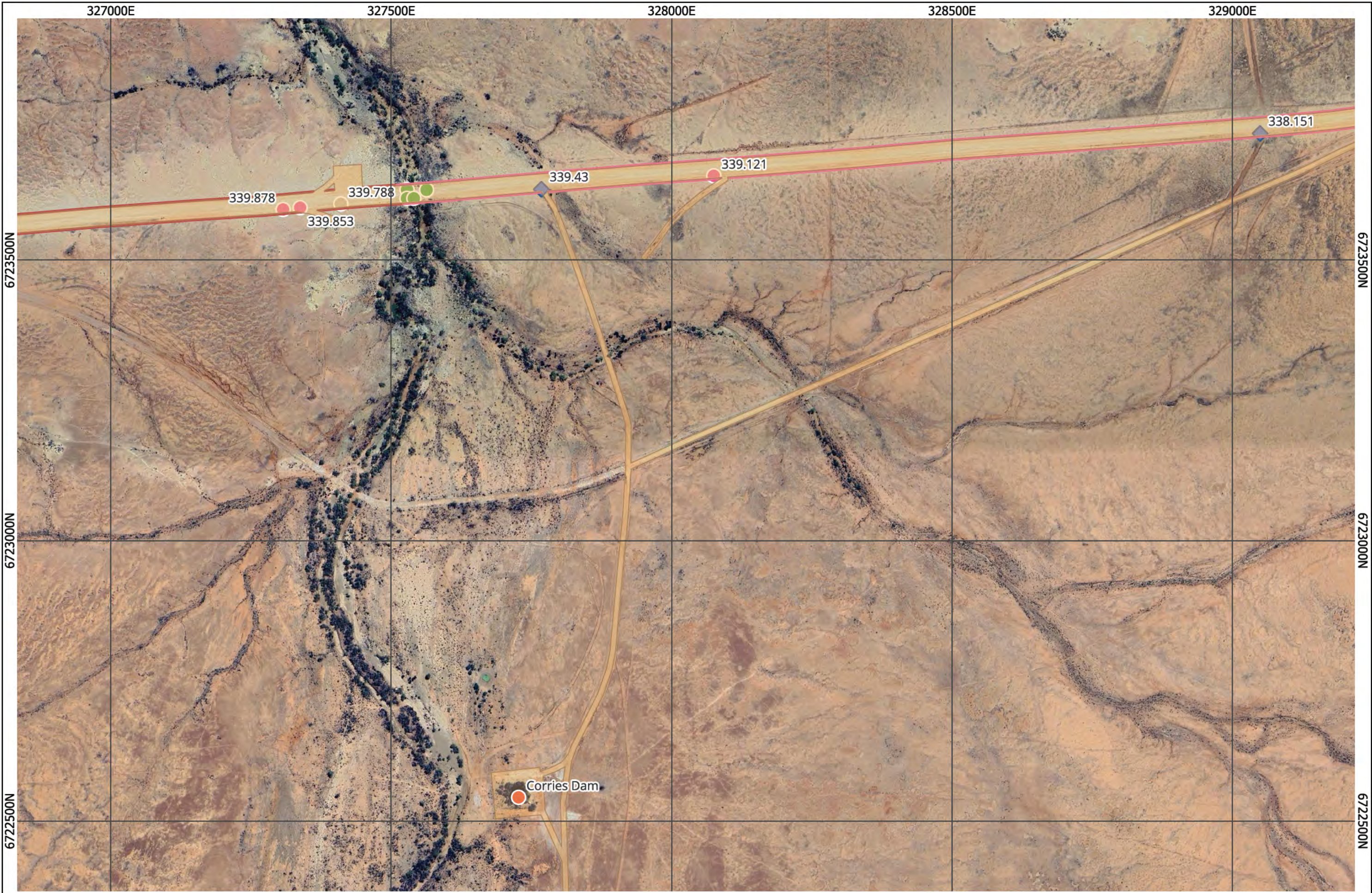
PROJECT  
**Strzelecki Track Upgrade**

CLIENT  
**Department for Infrastructure and Transport**

FILE  
**MM 300-367 NVC Map 17**

<b>GROUNDWORK</b> <small>PART OF SLR</small>		SCALE 1:6,227.66349 <small>When Printed On A3</small>	DRAWING NUMBER <b>2547.DRG.195</b>	REVISION
DATE 15-August-2025	DRAWN LJ	DATUM MGA / AHD / 54		EP90 7854
PRINTED 15-August-2025	CHECKED			





REV	DESCRIPTION	DATE	BY

Data  
Photography Google Satellite imagery accessed 15-August-2025  
Topography  
Contours Data as per as boundaries are indicative only not all boundaries shown  
Elevation  
Other SAR G 2004

**Legend**

	Existing MAZ		Trees to be retained		Cut Off Drains MM 300 to 369
	VA8		Water Crossings MM 300 - 369		
	VA14		MTP MM 300 to 369		

**PROJECT**  
Strzelecki Track Upgrade

**CLIENT**  
Department for Infrastructure and Transport

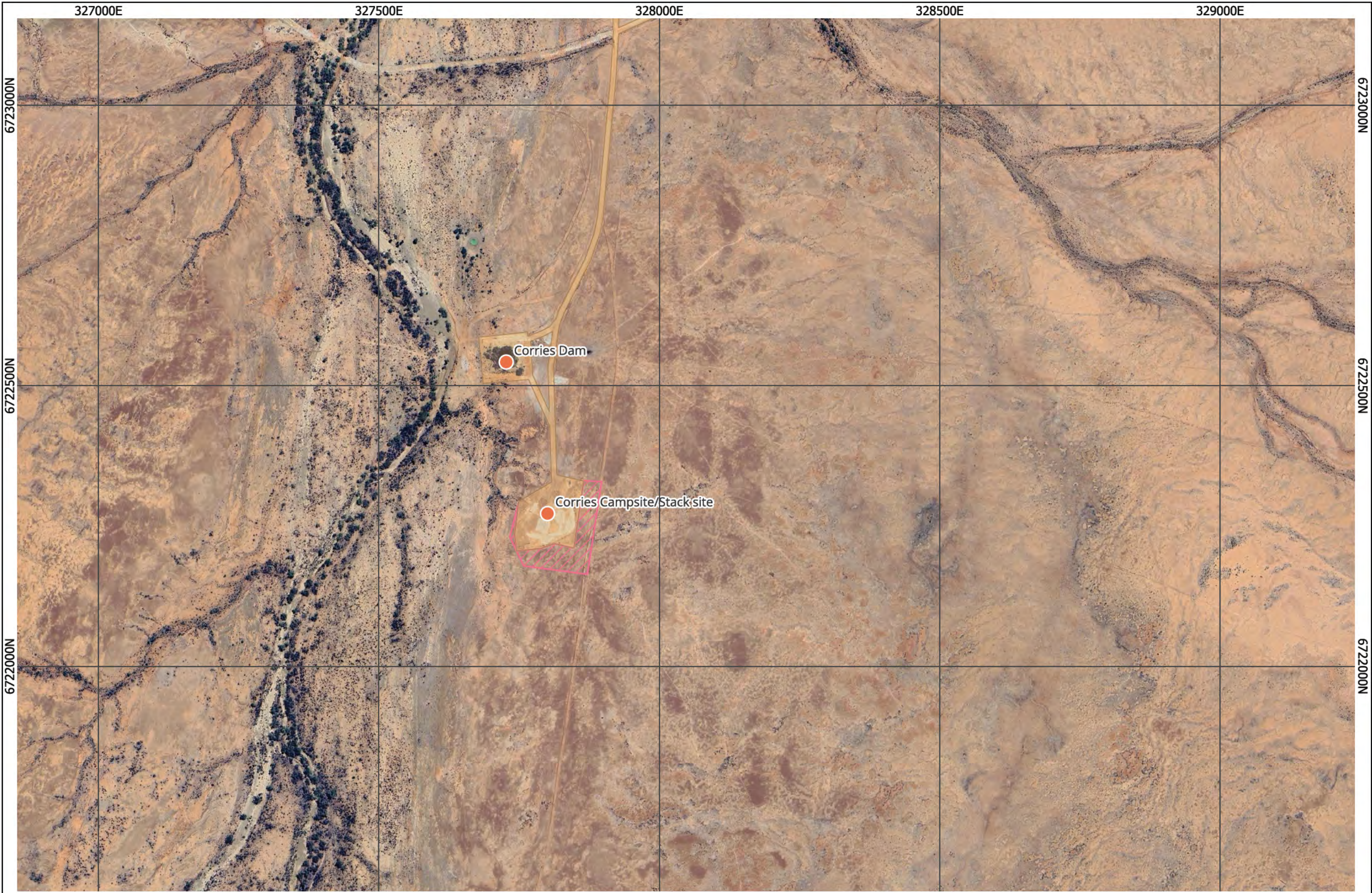
**FILE**  
MM 300-367 NVC Map 18

**GROUNDWORK**  
PART OF SLR

SCALE 1:6,227.66349  
When Printed On A3  
DATE 15-August-2025 DRAWN LJ  
PRINTED 15-August-2025 CHECKED

DRAWING NUMBER 2547.DRG.196  
REVISION  
DATUM HORIZONTAL / VERTICAL / EPSG 7854  
MGA / AHD / 54





REV DESCRIPTION		DATE	BY	<b>Legend</b> <div>Existing MAZ</div> <div>VA8</div>		PROJECT	Strzelecki Track Upgrade		TITLE		MM 300-367 NVC Map 19			
Data Photography Google Satellite imagery accessed 15-August-2025 Cadastral Data as per as boundaries are indicative only not all boundaries shown Elevation Other SARTO 2024						CLIENT	Department for Infrastructure and Transport		GROUNDWORK PART OF SLR		SCALE	1:6,227.66349	DRAWING NUMBER	2547.DRG.197
						DATE	15-August-2025	DRAWN	LJ	DATUM	HORIZONTAL / VERTICAL	EPSG 7854	REVISON	

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15-August-2025

CHECKED

WWW.GROUNDWORKPLUS.COM.AU

RS-481 3021 0411

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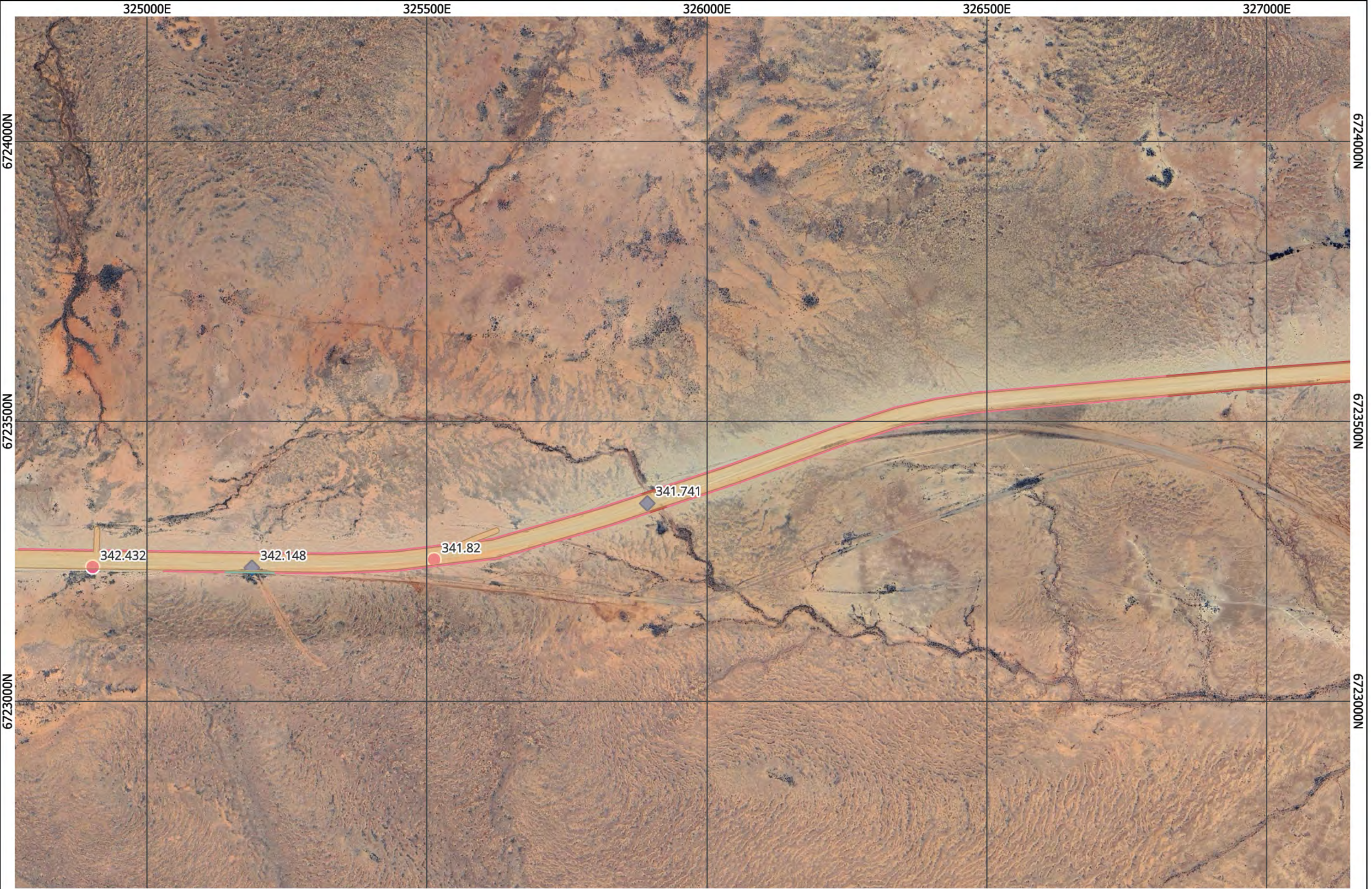
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MGA / AHD / 54





REV DESCRIPTION		DATE	BY

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Photography	Google Satellite imagery accessed 15-August-2025
Topography	
Cadastral	Data as per as boundaries are indicative only not all boundaries shown
Environment	
Other	SAR G 2004

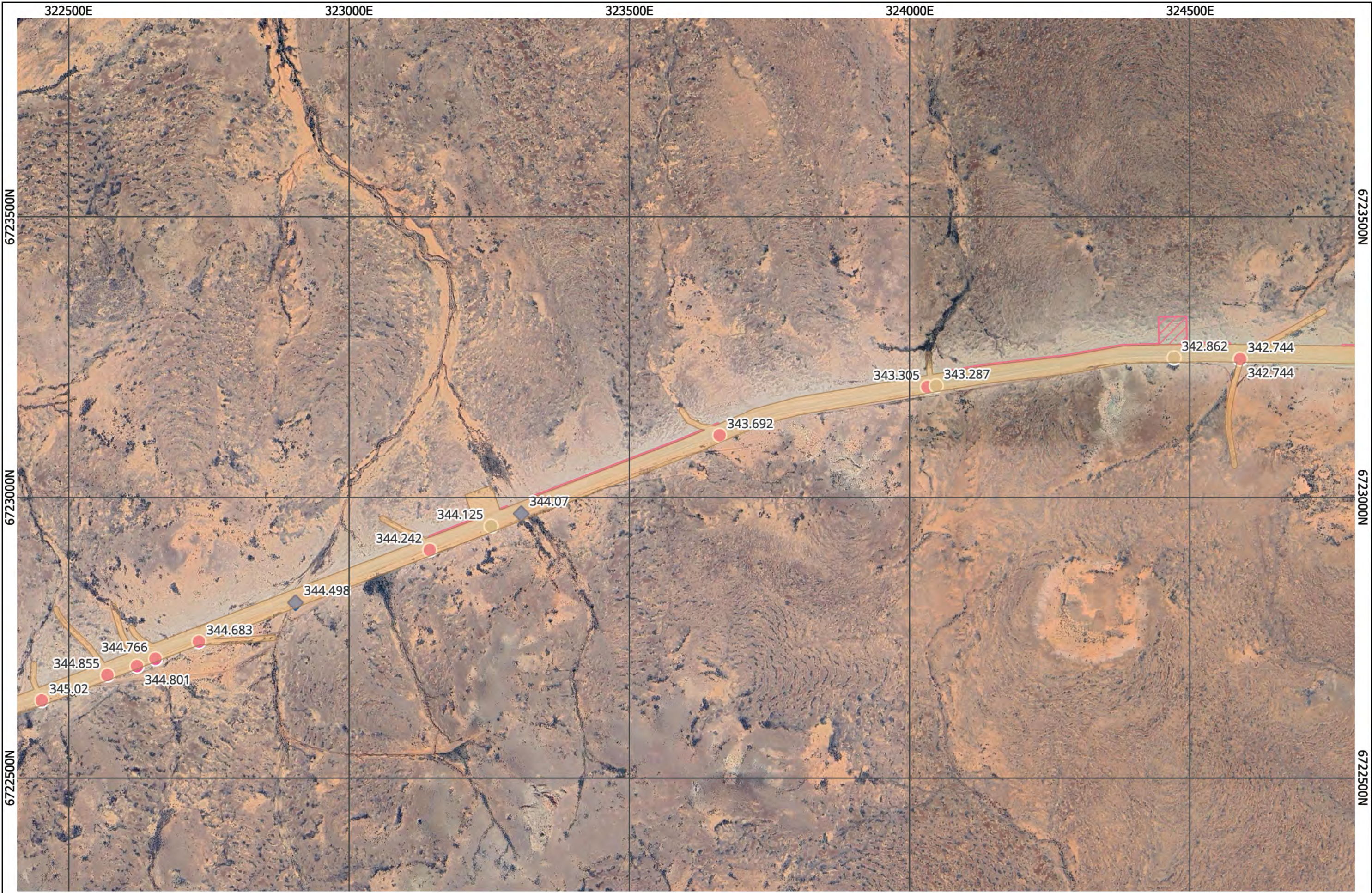
Legend	
Existing MAZ	VA16
VA8	Water Crossings MM 300 - 369
VA14	Cut Off Drains MM 300 to 369

PROJECT	Strzelecki Track Upgrade	
CLIENT	Department for Infrastructure and Transport	

FILE	MM 300-367 NVC Map 20	
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GROUNDWORK PART OF  SLR	SCALE	1:6,227.66349		DRAWING NUMBER	2547.DRG.198	REVISON	
	DATE	15-August-2025		DRAWN	LJ	DATUM	HORIZONTAL / VERTICAL /
PRINTED	15-August-2025	CHECKED		MGA / AHD / 54			





REV	DESCRIPTION	DATE	BY

Data  
Photography Google Satellite imagery accessed 15-August-2025  
Topography  
Contours Data as per as boundaries are indicative only not all boundaries shown  
Elevation  
Other SAR G 2024

**Legend**

	Existing MAZ		Water Crossings MM 300 - 369		Cut Off Drains MM 300 to 369
	VA8		MTP MM 300 to 369		

PROJECT  
**Strzelecki Track Upgrade**

CLIENT  
**Department for Infrastructure and Transport**

FILE  
**MM 300-367 NVC Map 21**

**GROUNDWORK**  
PART OF SLR

SCALE  
1:6,227.66349

DATE  
15-August-2025

PRINTED  
15-August-2025

DRAWN  
LJ

CHECKED

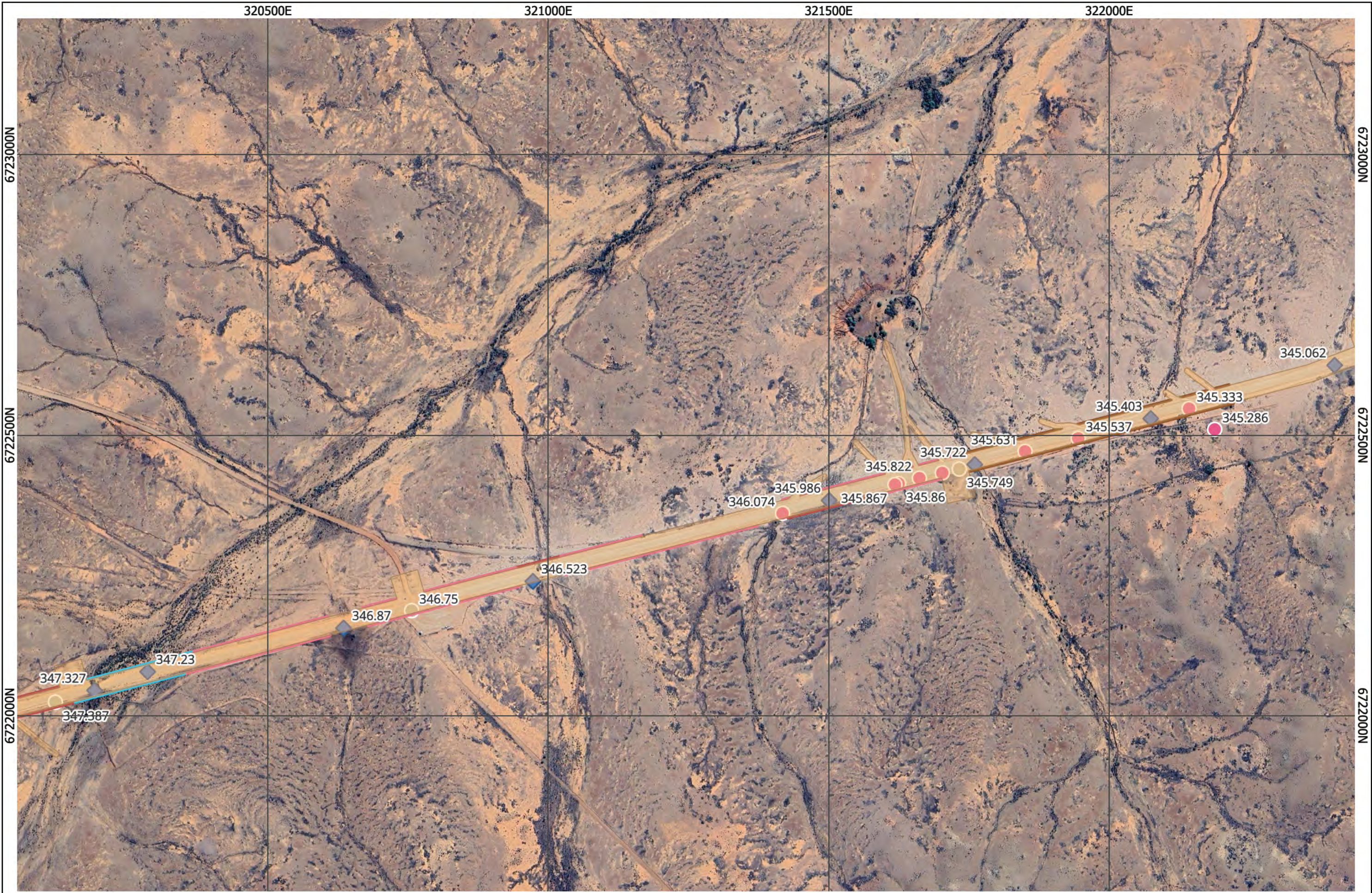
DRAWING NUMBER  
**2547.DRG.199**

REVISION

DATUM  
MGA / AHD / 54

SPRS 7854





REV	DESCRIPTION	DATE	BY

Data  
Photography Google Satellite imagery accessed 15-August-2025  
Topography Data as per as boundaries are indicative only not all boundaries shown  
Contours  
Elevation  
Other SAAO 2024

Legend

Existing MAZ

VA5

VA8

VA13


VA14

VA18

Water Crossings MM 300 - 369

MTP MM 300 to 369

Cut Off Drains MM 300 to 369



PROJECT

Strzelecki Track Upgrade

CLIENT

Department for Infrastructure and Transport

FILE

MM 300-367 NVC Map 22

GROUNDWORK

PART OF SLR

PR-481 3021 0411

WWW.GROUNDWORKPLUS.COM.AU

SCALE

1:6,227.66349

When Printed On A3

DATE 15-August-2025

PRINTED 15-August-2025

DRAWN LJ

CHECKED

DRAWING NUMBER

2547.DRG.200

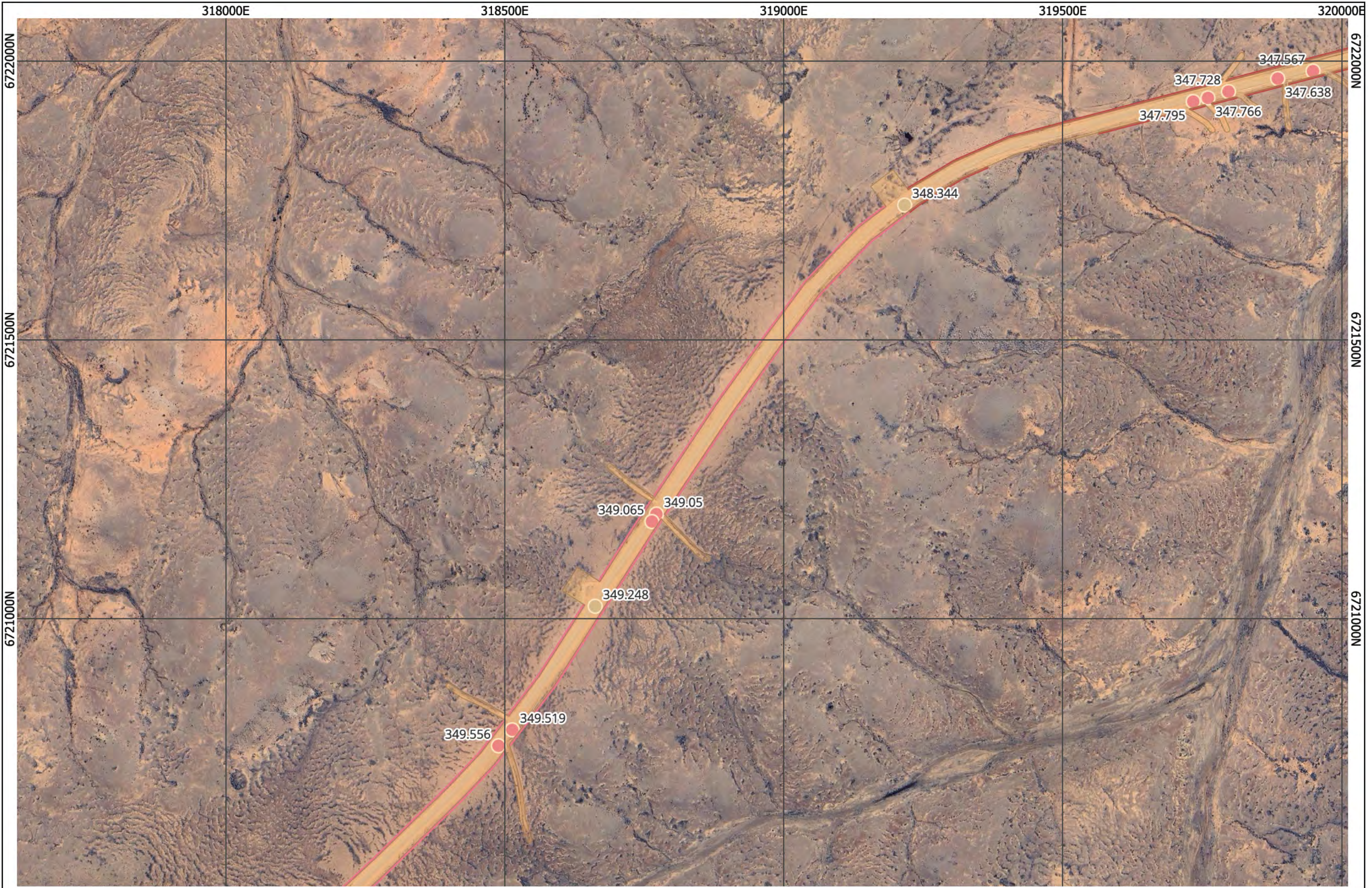
DATUM HORIZONTAL / VERTICAL

MGA / AHD / 54

REV 5/0

SP50 7854



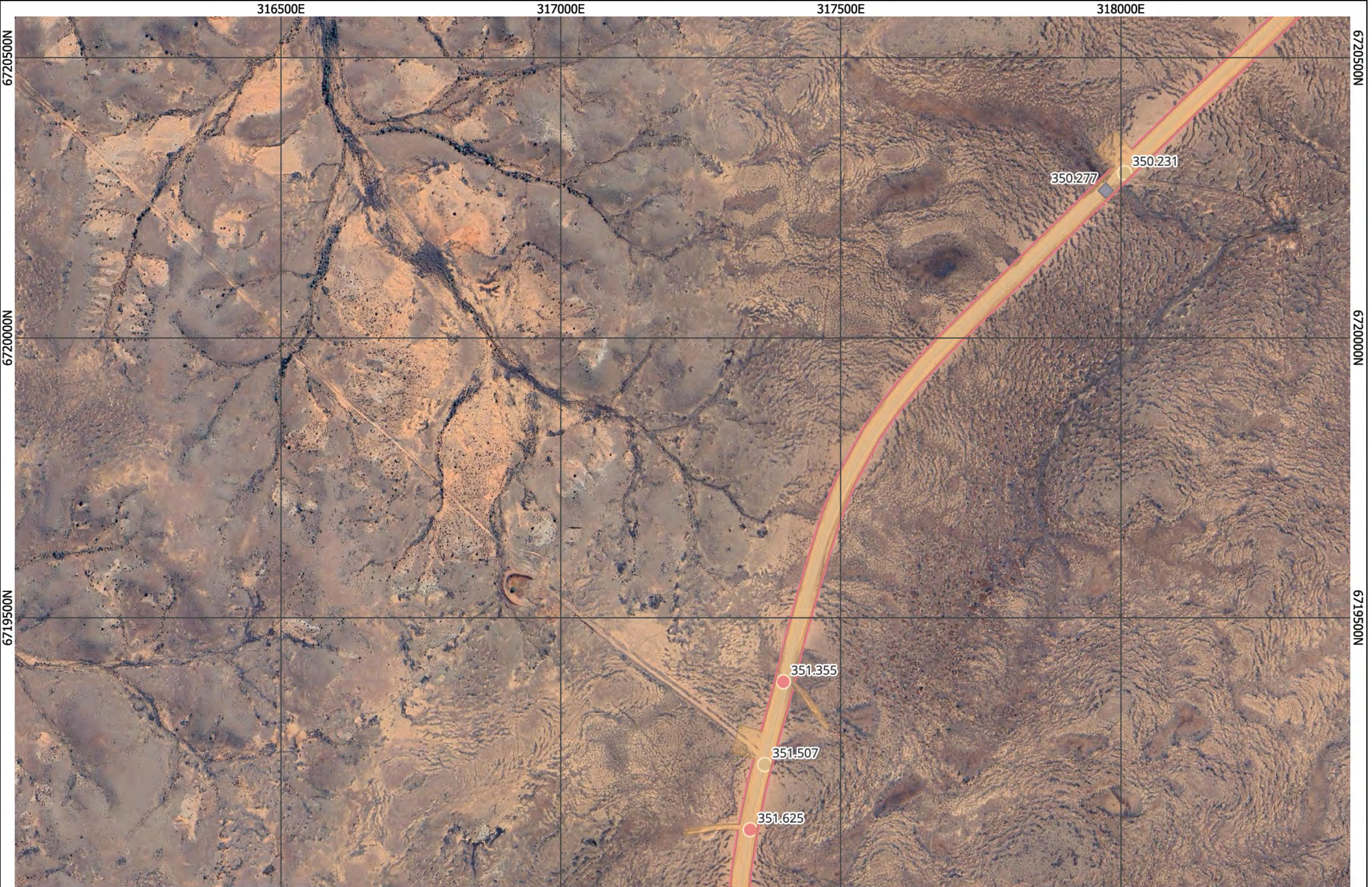


REV DESCRIPTION		DATE	BY
Data		Photography Google Satellite imagery accessed 15-August-2025	
		Topography	
		Contours	
		Elevation	
		Other	

Legend	
Existing MAZ	VA8
	VA18
	MTP MM 300 to 369
	Cut Off Drains MM 300 to 369

PROJECT		FILE	
Strzelecki Track Upgrade		MM 300-367 NVC Map 23	
CLIENT		GROUNDWORK	
Department for Infrastructure and Transport		PART OF SLR	
		SCALE 1:6,227.66349	
		0 30 60 90 120 m	
		DATE 15-August-2025	
		DRAWN LJ	
		PRINTED 15-August-2025	
		CHECKED	
		DRAWING NUMBER 2547.DRG.201	
		REVISION	
		DATUM HORIZONTAL / VERTICAL	
		MGA / AHD / 54	





REV DESCRIPTION		DATE	BY
Data Photography Google Satellite imagery accessed 15-August-2025 Topography Data as per as boundaries are indicative only not all boundaries shown Contours Other SAR G 2024			

Legend	
Existing MAZ	VA8
Water Crossings MM 300 - 369	MTP MM 300 to 369
Cut Off Drains MM 300 to 369	

PROJECT  
Strzelecki Track Upgrade

CLIENT  
Department for Infrastructure and Transport

FILE MM 300-367 NVC Map 24	
GROUNDWORK PART OF SLR	
SCALE 1:6,227.66349 Map Printed On A3	DRAWING NUMBER 2547.DRG.202
DATE 15-August-2025	DATE 15-August-2025
PRINTED 15-August-2025	CHECKED
DATUM HORIZONTAL / VERTICAL MGA / AHD / 54	





**Legend:**

- Existing MAZ
- VA8
- VA14
- Water Crossings MM 300 - 369
- MTP MM 300 to 369
- Cut Off Drains MM 300 to 369
- Native Title Boundary

REV	DESCRIPTION	DATE	BY
Data Sources: Photography: Google Satellite imagery accessed 14-August-2025 Cadastral: Data as per AU. Boundaries shown are indicative only Other: SARI G			



PROJECT	Strzelecki Track Upgrade
CLIENT	Department for Infrastructure and Transport

LOCATION	MM 300-367 NVC Map 25
SCALE	1:6,500
DATE	28-June-2024
DESIGNED BY	DAVID HORSLEY
CHECKED BY	DAVID HORSLEY
DRAWING NUMBER	2547.DRG.203
REVISION	
PROJECT	MM 300-367 NVC Map 25



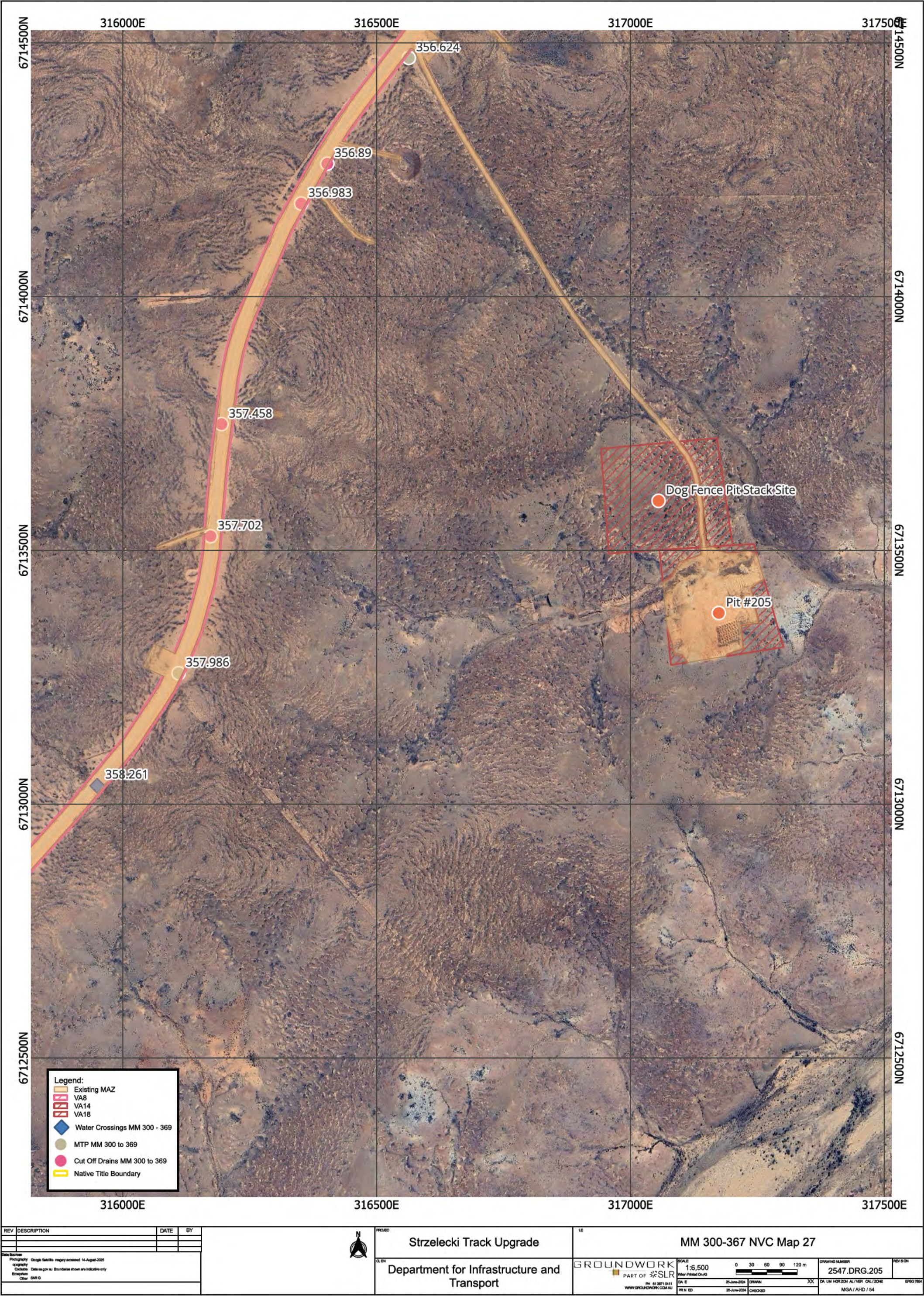


REV	DESCRIPTION	DATE	BY
Data Source			
Photography Google Satellite imagery accessed 14-August-2025			
Contours Data as per AU Boundaries shown are indicative only			
Elevation Other SAG			

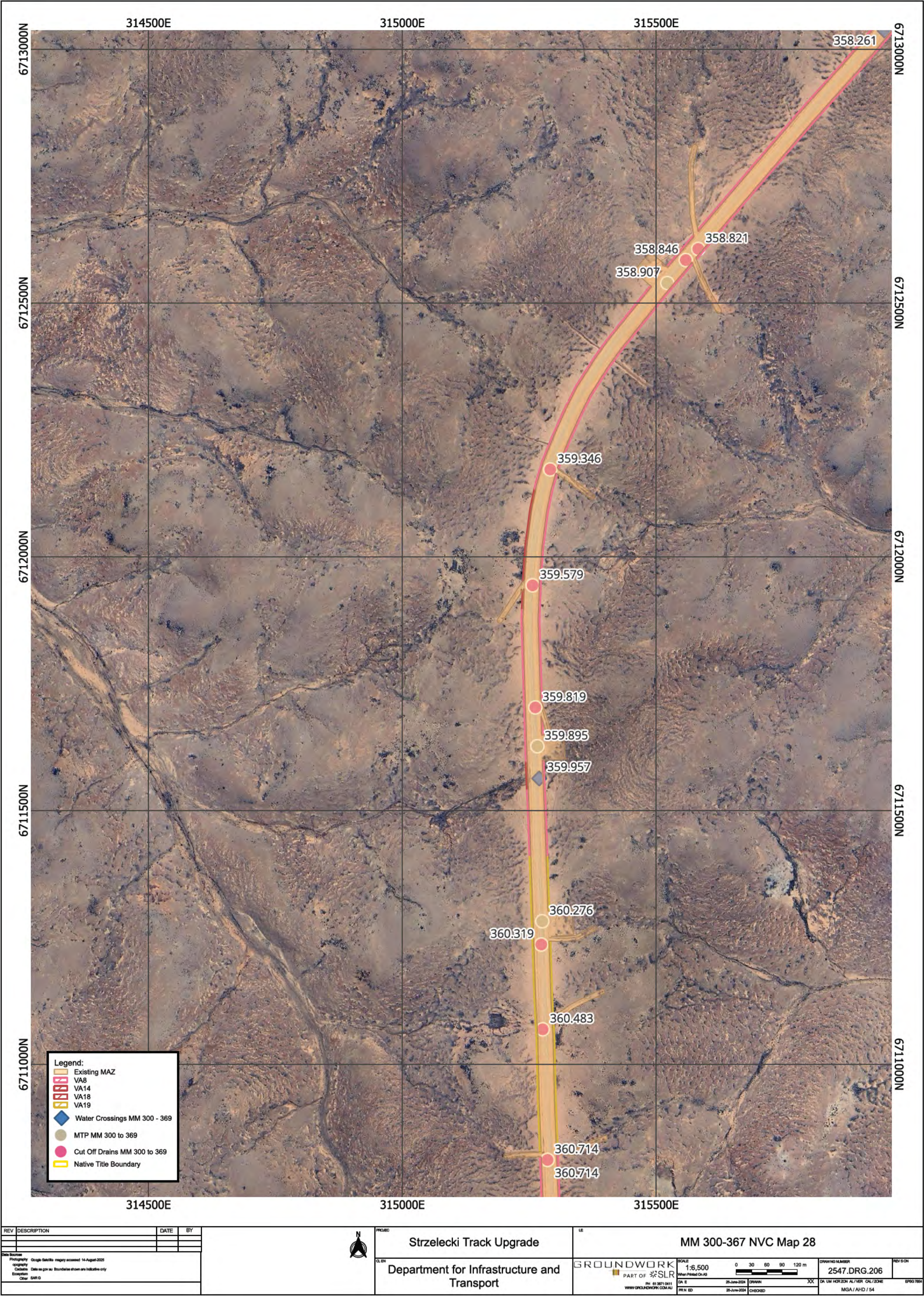


PROJECT	Strzelecki Track Upgrade	LE	MM 300-367 NVC Map 26
CLIENT	Department for Infrastructure and Transport	<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">  <b>GROUNDWORK</b>  PART OF  <b>SLR</b> </div> <div> <div style="display: flex; justify-content: space-between;"> <div> SCALE  1:6,500  When Printed On A3 </div> <div>  </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div> DA E 25-June-2024 DRAWN XX  PR N SD 25-June-2024 CHECKED </div> <div> DRAWING NUMBER  <b>2547.DRG.204</b> </div> <div> DRAWING NUMBER  DA UM HORIZON ALTY/VER CAL/ZONE  MGA / AHD / 54 </div> </div> </div> </div>	









REV	DESCRIPTION	DATE	BY
Data Sources: Photography: Google Satellite imagery accessed 14-August-2025 Cadastral: Data as per au. Boundaries shown are indicative only Other: SARI G			



PROJECT	Strzelecki Track Upgrade
CLIENT	Department for Infrastructure and Transport

PROJECT	MM 300-367 NVC Map 28
SCALE	1:6,500 Horizontal Only
DATE	28-June-2024
PREPARED BY	DALE
CHECKED BY	DALE
DRAWING NUMBER	2547.DRG.206
REVISION	XX
DA UM HORIZON AL/VER	CHL/20NE
MGA / AHD / 54	





REV	DESCRIPTION	DATE	BY
Data Sources: Photography: Google Satellite imagery accessed 14-August-2025 Cadastre: Data as per au. Boundaries shown are indicative only Other: SAR G			



PROJECT	Strzelecki Track Upgrade
CLIENT	Department for Infrastructure and Transport

PROJECT	MM 300-367 NVC Map 29
SCALE	1:6,500 When Printed On A3
DATE	28-June-2024
PREPARED BY	28-June-2024
CHECKED BY	28-June-2024
DRAWING NUMBER	2547.DRG.207
REVISION	XX
DA UM HORIZON AL/NER CAL/ZONE	MGA / AHD / 54
EP90 TERN	

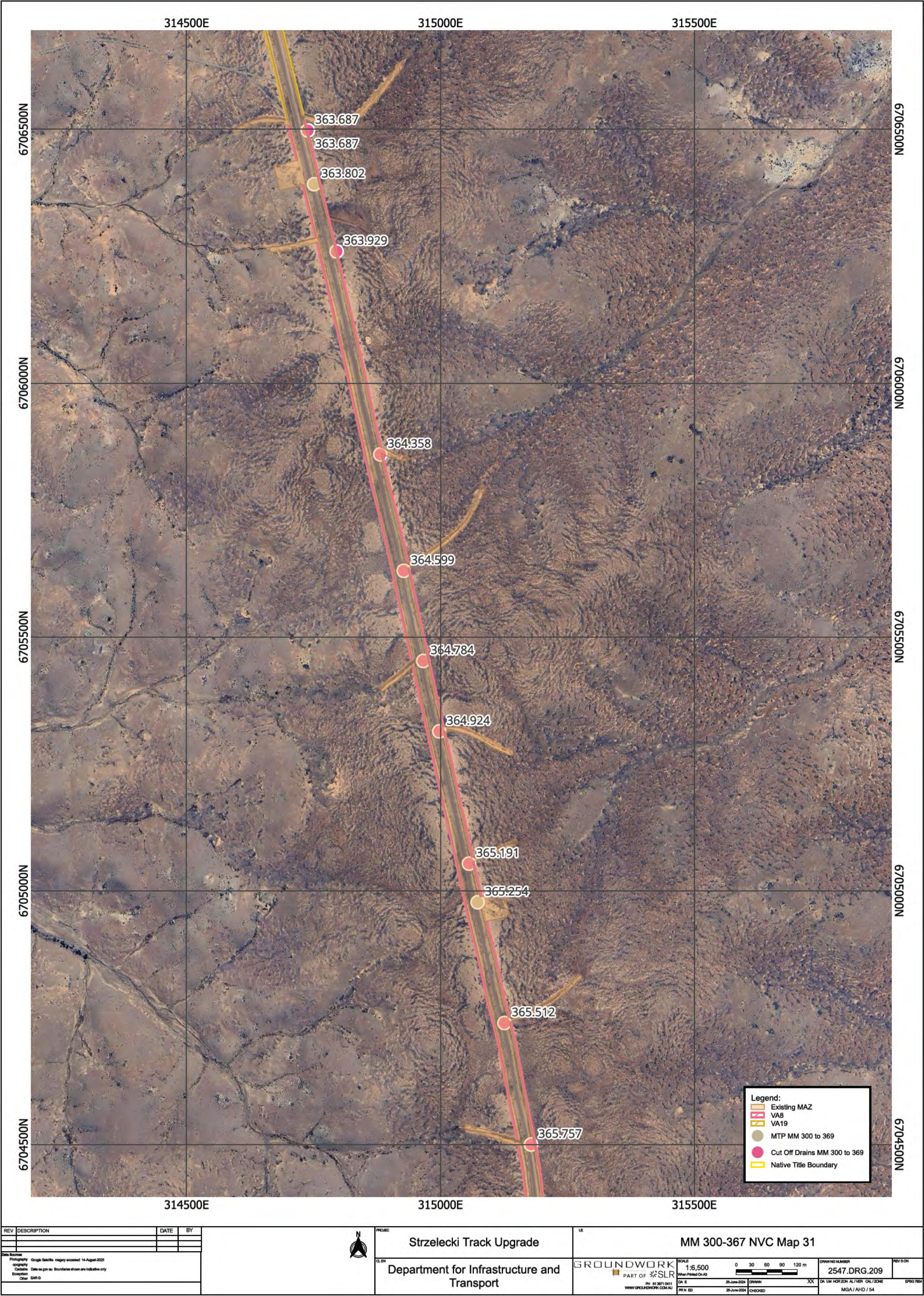




REV DESCRIPTION		DATE	BY

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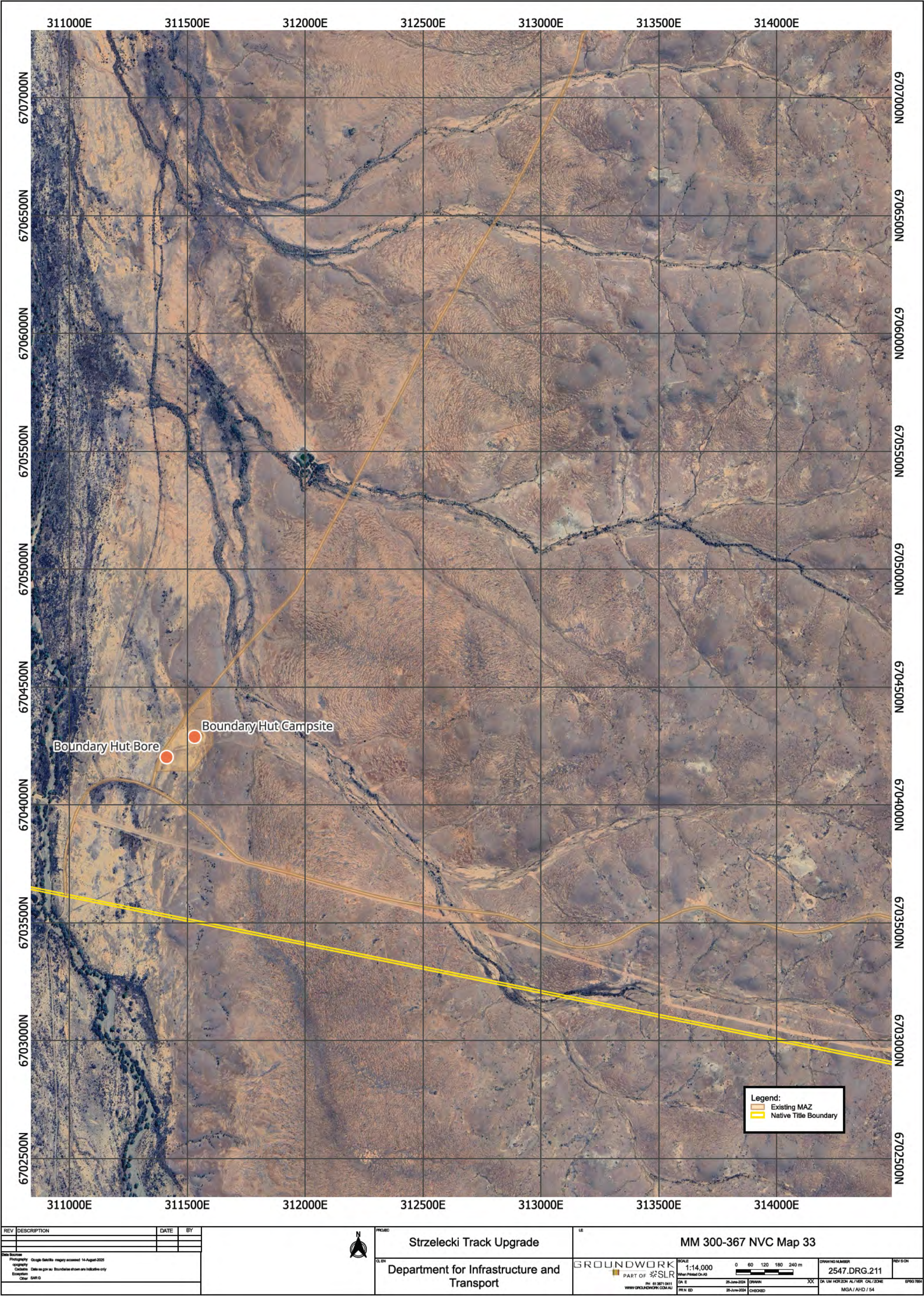















REV	DESCRIPTION	DATE	BY
Data Sources: Photography: Google Satellite imagery accessed 14-August-2025 Topography: Data as per AU. Boundaries shown are indicative only Cadastre: Data as per AU. Boundaries shown are indicative only Other: SAR G			



PROJECT	Strzelecki Track Upgrade
CLIENT	Department for Infrastructure and Transport

LE										MM 300-367 NVC Map 33																																																	
<div>GROUNDWORK</div> <div> PART OF  SLR</div> <div>PH 61 3671 0411 WWW.GROUNDWORK.CO.AU</div>										<div>SCALE</div> <div>1:14,000</div> <div>When Printed On A3</div> <div></div> <div>0 60 120 180 240 m</div>										<div>DRAWING NUMBER</div> <div>2547.DRG.211</div>										<div>REV 5 ON</div>																													
DA E										28-June-2024										DRAWN										XX										DA UM HORIZON ALT/NER C/L/ZONE										EPG 7864									
PR H ED										28-June-2024										CHECKED																				MGA / AHD / 54																			



**ATTACHMENTS**



# Attachment 1

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Rangeland Assessment Scoresheets



# Rangelands Assessment Scoresheet

(SEB Policy 1 Sept 2024; Scoresheet updated 1 July 2025)

Block (name)	300-367
Landscapes Region	South Australian Arid Lands
IBRA Sub Region	Murnpeowie
Property Name	DIT

ASSESSOR(S) (Insert Full Name/s)	Louise Jaunay
DATE OF ASSESSMENT	23-26/08/2024

## Map of the Block (Including the Sites)



## Landscape Context Scores

Number of Landform Features within Block	4
1 = 0.01pts, 2 = 0.03pts, >2 = 0.06pts	0.06
Size of the Block	43
<10ha = 0; 10 - <100ha = 0.01pts; 100 - <500ha = 0.02pts; 500 - <1000ha = 0.03pts; 1000 - <2000ha = 0.04pts; 2000 - 5000 = 0.05pts; >5000pts = 0.06pts	0.01
% native veg. protected in IBRA Sub region	1
0-2% = 0.05 pts; >2-5% = 0.04 pts; >5-10% = 0.03 pts; >10-25% = 0.02 pt; >25% = 0.01 pt	0.05

### Wetland or Riparian Habitat present

Does the block contain a wetland feature (Yes/No)

Permanent or semi permanent = 0.08 pt

No

Contains water for at least 6 months of the year

Occasionally contains water = 0.05 pts

Yes

Contains water approximately once every 5 years

Very occasionally contains water = 0.02 pts

Yes

Contains water approximately once every 20 years

Score

0.05

Note: Blocks will score a minimum Landscape Context Score of 1

LANDSCAPE CONTEXT SCORE (max 1.25)

1.17



## OFFICIAL

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Vegetation Condition Scores				
SITE (name):		VA1	SIZE OF SITE (Ha)	0.066
VEGETATION ASSOCIATION DESCRIPTION		Acacia salicina shrubland over Myoporum sp.		
LANDSCAPE TYPE		Drainage lines / floodouts		
SURFACE CHARACTER		Dominant	Cracking	Minor
Biotic Disturbance Indicators		Dominant >50%	Minor <50%	None - 0
Sites with trees and large shrubs only (select one tickbox for each row)				Score
Presence of palatable shrubs or perennial grasses under the canopy of tree/shrub >3m		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Presence of mostly intact litter mats under canopy of tree/shrub >3m tall (>50% of tree canopy area has intertwined litter or shrub cover)		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Score (Max 10 - weighted by 2.5)				10
Physical Disturbance Indicators		Dominant >50%	Minor <50%	None - 0
				Score
Prevalence of large patches of bare soil (> 5m x 5m) that shows no signs of productive capacity (ie ephemeral plant litter, stems etc.)		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Evidence of animal tracks, vehicle tracks or other physical disturbance to the natural land surface		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Destabilised creek channel banks (if present), characterised by no vegetation or stabilizing roots, deflation and bank erosion. Inspect banks on both sides of channels.		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Total Score (Max 18 - weighted by 3)				6
Vegetation Stratum (tick the Present box for all stratum that are present or tick for Absent box of any stratum that should be present but have been removed)		Present	Absent	Note; don't tick either box if stratum was likely never present - e.g. Trees stratum in a low shrubland
Trees/shrubs >3m		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Shrubs 1- 3m		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Low shrubs <1m & hummock grasses		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Perennial tussock grasses with basal areas >30mm		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Total Score (Max 16 - weighted by 4)				16.0
Introduced Plant Species		Select	Score	
Declared species present?		No	2	
Introduced species dominate (>50% of vegetation cover)		<input type="checkbox"/>	1	
Moderate invasion of introduced species (5 to 50% of the vegetation cover)		<input checked="" type="checkbox"/>		
Very sparse to nil introduced species present (<5% of vegetation cover)		<input type="checkbox"/>		
Total Score (Max 10 - weighted by 2.5)				7.5
Vegetation Utilisation Score				
Total Score (Max 26)				10.72
Vegetation Condition Score Calculation				
VEGETATION CONDITION SCORE				50.22
<div> <div>LowMediumHigh</div> <div> <div>Vegetation Utilisation Score</div> <div>Introduced Plant Species Score</div> <div>Vegetation Stratum Score</div> <div>Physical Disturbance Indicator</div> <div>Biotic Disturbance Indicator</div> <div>Vegetation Condition Score</div> </div> </div>				



Conservation Significance Score													
Is the vegetation association considered a Threatened Ecological community or Ecosystem?			Tick if Yes										
State (Provisional List of Threatened Ecosystems of SA) <b>Rare</b> community (0.1 pt)			<input type="checkbox"/>										
State (Provisional List of Threatened Ecosystems of SA) <b>Vulnerable</b> community (0.2 pts)			<input type="checkbox"/>										
State (Provisional List of Threatened Ecosystems of SA) <b>Endangered</b> community (0.3 pts)			<input type="checkbox"/>										
Nationally (EPBC Act) <b>Vulnerable</b> community (0.35 pts)			<input type="checkbox"/>										
Contains a Nationally (EPBC Act) <b>Endangered</b> or <b>Critically Endangered</b> community (0.4 pts)			<input type="checkbox"/>										
Note: all sites will score a minimum Conservation Significance Score of 1			Score 1										
Number of Threatened Plant Species recorded for within the <u>Site</u>			Number										
*If a species has both a State (NP&W Act) and National (EPBC Act) rating, it's only recorded for its National rating.													
State <b>Rare</b> species recorded (1 pt each)			0										
State <b>Vulnerable</b> species recorded (2.5 pt each)			0										
State <b>Endangered</b> recorded (5 pts each)			0										
Nationally <b>Vulnerable</b> species recorded (10 pts each)			0										
Nationally <b>Endangered</b> or <b>Critically endangered</b> species recorded (20 pts each)			0										
0 = 0 pts; <2 = 0.04 pts; 2 - <5 = 0.08 pts; 5 - <10 = 0.12 pts; 10 - <20 = 0.16 pts; 20 or > = 0.2 pts			0										
Score			0										
Potential habitat for Threatened Animal Species (number observed or recorded) for the <u>Site</u>			Number										
*If a species has both a State (NP&W Act) and National (EPBC Act) rating, it's only recorded for its National rating.													
State <b>Rare</b> species observed or locally recorded (1 pt each)			3										
State <b>Vulnerable</b> species observed or locally recorded (2.5 pt each)			0										
State <b>Endangered</b> species observed or locally recorded (5 pt each)			0										
Nationally <b>Vulnerable</b> species observed or locally recorded (10 pts each)			1										
Nationally <b>Endangered</b> or <b>Critically endangered</b> species observed or locally recorded (20 pts each)			0										
0 = 0 pts; <2 = 0.02 pts; 2 - <5 = 0.04 pts; 5 - <10 = 0.06 pts; 10 - <20 = 0.08pts; 20 or > = 0.1 pts			13										
Score			0.08										
CONSERVATION SIGNIFICANCE SCORE			1.08										
<div> <div>Total Scores for the Site</div> <table border="1"> <tr> <td>LANDSCAPE CONTEXT SCORE</td> <td>1.17</td> </tr> <tr> <td>VEGETATION CONDITION SCORE</td> <td>50.22</td> </tr> <tr> <td>CONSERVATION SIGNIFICANCE SCORE</td> <td>1.08</td> </tr> </table> </div> <div> <div>Vegetation Condition x Landscape Context x Conservation Significance =</div> <table border="1"> <tr> <td>UNIT BIODIVERSITY SCORE</td> <td>63.46</td> </tr> <tr> <td>Total Biodiversity Score (Biodiversity Score x hectares)</td> <td>4.19</td> </tr> </table> </div>				LANDSCAPE CONTEXT SCORE	1.17	VEGETATION CONDITION SCORE	50.22	CONSERVATION SIGNIFICANCE SCORE	1.08	UNIT BIODIVERSITY SCORE	63.46	Total Biodiversity Score (Biodiversity Score x hectares)	4.19
LANDSCAPE CONTEXT SCORE	1.17												
VEGETATION CONDITION SCORE	50.22												
CONSERVATION SIGNIFICANCE SCORE	1.08												
UNIT BIODIVERSITY SCORE	63.46												
Total Biodiversity Score (Biodiversity Score x hectares)	4.19												
Photo Point and Vegetation Survey Location		Direction of the Photo											
		South west											
		GPS Reference											
		Datum	GDA20										
		Zone (52, 53 or 54)											
		Easting (6 digits)	363150.11										
Northing (7 digits)	6723074.86												
Description		Representative photo of Vegetation Association 1											



## SEB Offset Calculations

### (for a proposed clearance site assessment)

SEB Points Required	
Loss Factor	1.0
Loadings for clearance of protected areas	
Reductions for rehabilitation of impact site	
SEB Uplift Factor	1.10
<b>Total SEB Points Required</b>	<b>4.61</b>

SEB - Payment	
SEB points of gain/ha Factor	7
Approximate SEB hectares required	0.66
Management Cost (\$/ha)	\$25,408
Economies of Scale Factor	0.11
Mean Annual rainfall for the site (mm)	186
Payment into the Fund (GST exclusive)	\$342.36
Administration fee (GST inclusive)	\$18.83
<b>Total Payment Required</b>	<b>\$361.19</b>



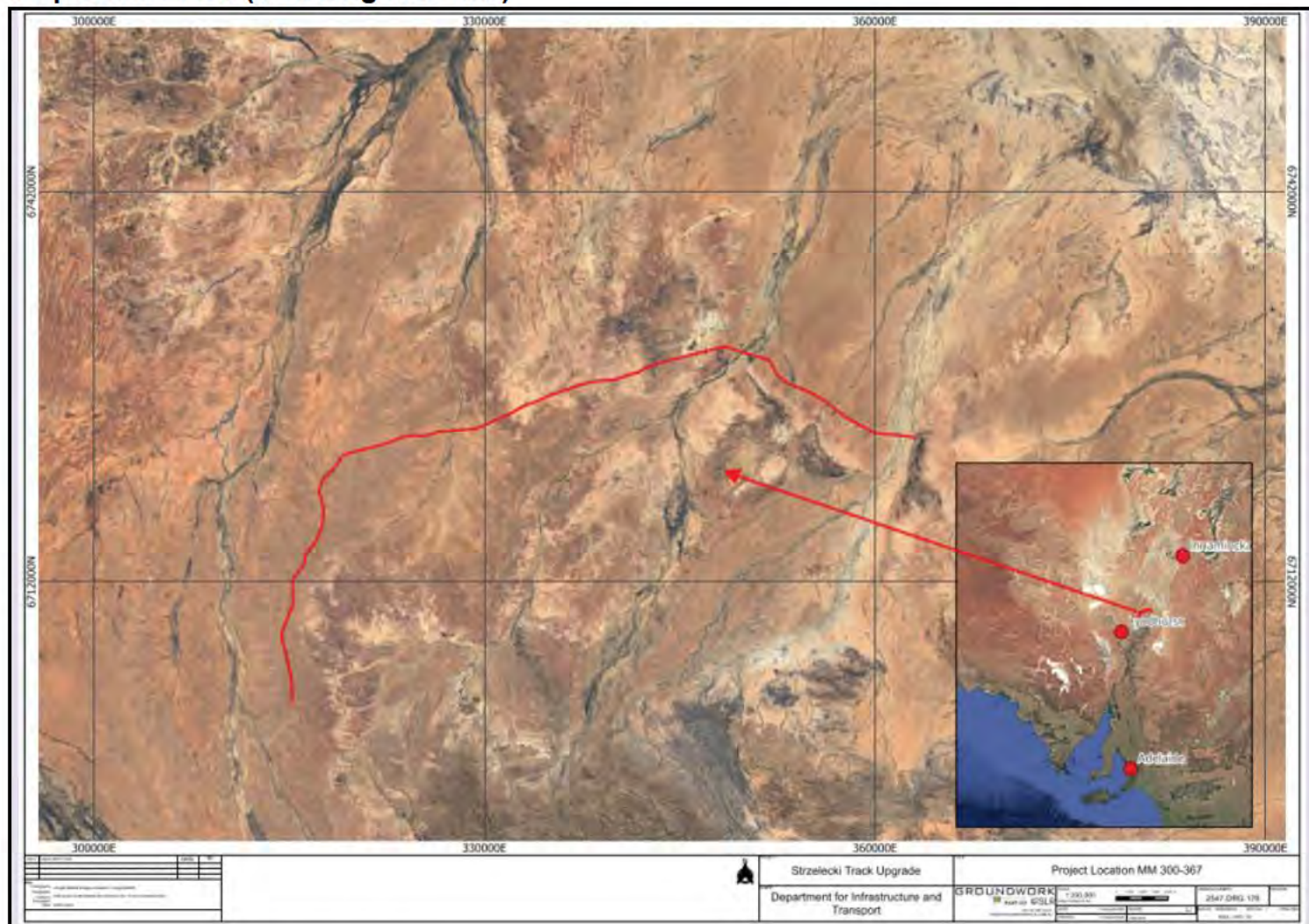
# Rangelands Assessment Scoresheet

(SEB Policy 1 Sept 2024; Scoresheet updated 1 July 2025)

Block (name)	300-367
Landscapes Region	South Australian Arid Lands
IBRA Sub Region	Murnpeowie
Property Name	DIT

ASSESSOR(S) (Insert Full Name/s)	Louise Jaunay
DATE OF ASSESSMENT	23-26/08/2024

## Map of the Block (Including the Sites)



## Landscape Context Scores

Number of Landform Features within Block	4
1 = 0.01pts, 2 = 0.03pts, >2 = 0.06pts	0.06
Size of the Block	43
<10ha = 0; 10 - <100ha = 0.01pts; 100 - <500ha = 0.02pts; 500 - <1000ha = 0.03pts; 1000 - <2000ha = 0.04pts; 2000 - 5000 = 0.05pts; >5000pts = 0.06pts	0.01
% native veg. protected in IBRA Sub region	1
0-2% = 0.05 pts; >2-5% = 0.04 pts; >5-10% = 0.03 pts; >10-25% = 0.02 pt; >25% = 0.01 pt	0.05

### Wetland or Riparian Habitat present

Does the block contain a wetland feature (Yes/No)	No
Permanent or semi permanent = 0.08 pt	
Contains water for at least 6 months of the year	
Occasionally contains water = 0.05 pts	Yes
Contains water approximately once every 5 years	
Very occasionally contains water = 0.02 pts	Yes
Contains water approximately once every 20 years	
Score	0.05

Note: Blocks will score a minimum Landscape Context Score of 1

**LANDSCAPE CONTEXT SCORE (max 1.25)** **1.17**



## OFFICIAL

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[illegible]



Vegetation Condition Scores				
SITE (name):		VA2	SIZE OF SITE (Ha)	3.738
VEGETATION ASSOCIATION DESCRIPTION		Atriplex holocarpa +/- Sclerolaena spp. very open low shrubland		
LANDSCAPE TYPE		Plain – level		
SURFACE CHARACTER		Dominant	Minor	
Stony				
Biotic Disturbance Indicators		Dominant >50%	Minor <50%	None - 0
Sites with trees and large shrubs only (select one tickbox for each row)				Score
Presence of palatable shrubs or perennial grasses under the canopy of tree/shrub >3m		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Presence of mostly intact litter mats under canopy of tree/shrub >3m tall (>50% of tree canopy area has intertwined litter or shrub cover)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Score (Max 10 - weighted by 2.5)				5
Physical Disturbance Indicators		Dominant >50%	Minor <50%	None - 0
				Score
Prevalence of large patches of bare soil (> 5m x 5m) that shows no signs of productive capacity (ie ephemeral plant litter, stems etc.)		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Evidence of animal tracks, vehicle tracks or other physical disturbance to the natural land surface		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Destabilised creek channel banks (if present), characterised by no vegetation or stabilizing roots, deflation and bank erosion. Inspect banks on both sides of channels.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Score (Max 18 - weighted by 3)				9
Vegetation Stratum (tick the Present box for all stratum that are present or tick for Absent box of any stratum that should be present but have been removed)		Present	Absent	Note; don't tick either box if stratum was likely never present - e.g. Trees stratum in a low shrubland
Trees/shrubs >3m		<input type="checkbox"/>	<input type="checkbox"/>	
Shrubs 1- 3m		<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Low shrubs <1m & hummock grasses		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Perennial tussock grasses with basal areas >30mm		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Total Score (Max 16 - weighted by 4)				6.0
Introduced Plant Species		Select	Score	
Declared species present?		No	2	
Introduced species dominate (>50% of vegetation cover)		<input type="checkbox"/>	1	
Moderate invasion of introduced species (5 to 50% of the vegetation cover)		<input checked="" type="checkbox"/>		
Very sparse to nil introduced species present (<5% of vegetation cover)		<input type="checkbox"/>		
Total Score (Max 10 - weighted by 2.5)				7.5
Vegetation Utilisation Score				
Total Score (Max 26)				14.56
Vegetation Condition Score Calculation				
VEGETATION CONDITION SCORE				42.06
<div> <div>LowMediumHigh</div> <div> <div>Vegetation Utilisation Score</div> <div>Introduced Plant Species Score</div> <div>Vegetation Stratum Score</div> <div>Physical Disturbance Indicator</div> <div>Biotic Disturbance Indicator</div> <div>Vegetation Condition Score</div> </div> </div>				



Conservation Significance Score													
Is the vegetation association considered a Threatened Ecological community or Ecosystem?			Tick if Yes										
State (Provisional List of Threatened Ecosystems of SA) <b>Rare</b> community (0.1 pt)			<input type="checkbox"/>										
State (Provisional List of Threatened Ecosystems of SA) <b>Vulnerable</b> community (0.2 pts)			<input type="checkbox"/>										
State (Provisional List of Threatened Ecosystems of SA) <b>Endangered</b> community (0.3 pts)			<input type="checkbox"/>										
Nationally (EPBC Act) <b>Vulnerable</b> community (0.35 pts)			<input type="checkbox"/>										
Contains a Nationally (EPBC Act) <b>Endangered</b> or <b>Critically Endangered</b> community (0.4 pts)			<input type="checkbox"/>										
Note: all sites will score a minimum Conservation Significance Score of 1			Score 1										
Number of Threatened Plant Species recorded for within the <u>Site</u>			Number										
*If a species has both a State (NP&W Act) and National (EPBC Act) rating, it's only recorded for its National rating.													
State <b>Rare</b> species recorded (1 pt each)			0										
State <b>Vulnerable</b> species recorded (2.5 pt each)			0										
State <b>Endangered</b> recorded (5 pts each)			0										
Nationally <b>Vulnerable</b> species recorded (10 pts each)			0										
Nationally <b>Endangered</b> or <b>Critically endangered</b> species recorded (20 pts each)			0										
0 = 0 pts; <2 = 0.04 pts; 2 - <5 = 0.08 pts; 5 - <10 = 0.12 pts; 10 - <20 = 0.16 pts; 20 or > = 0.2 pts			0										
Score			0										
Potential habitat for Threatened Animal Species (number observed or recorded) for the <u>Site</u>			Number										
*If a species has both a State (NP&W Act) and National (EPBC Act) rating, it's only recorded for its National rating.													
State <b>Rare</b> species observed or locally recorded (1 pt each)			3										
State <b>Vulnerable</b> species observed or locally recorded (2.5 pt each)			0										
State <b>Endangered</b> species observed or locally recorded (5 pt each)			0										
Nationally <b>Vulnerable</b> species observed or locally recorded (10 pts each)			1										
Nationally <b>Endangered</b> or <b>Critically endangered</b> species observed or locally recorded (20 pts each)			0										
0 = 0 pts; <2 = 0.02 pts; 2 - <5 = 0.04 pts; 5 - <10 = 0.06 pts; 10 - <20 = 0.08pts; 20 or > = 0.1 pts			13										
Score			0.08										
CONSERVATION SIGNIFICANCE SCORE			1.08										
<div> <div>Total Scores for the Site</div> <table border="1"> <tr> <td>LANDSCAPE CONTEXT SCORE</td> <td>1.17</td> </tr> <tr> <td>VEGETATION CONDITION SCORE</td> <td>42.06</td> </tr> <tr> <td>CONSERVATION SIGNIFICANCE SCORE</td> <td>1.08</td> </tr> </table> </div> <div> <div>Vegetation Condition x Landscape Context x Conservation Significance =</div> <table border="1"> <tr> <td>UNIT BIODIVERSITY SCORE</td> <td>53.15</td> </tr> <tr> <td>Total Biodiversity Score (Biodiversity Score x hectares)</td> <td>198.67</td> </tr> </table> </div>				LANDSCAPE CONTEXT SCORE	1.17	VEGETATION CONDITION SCORE	42.06	CONSERVATION SIGNIFICANCE SCORE	1.08	UNIT BIODIVERSITY SCORE	53.15	Total Biodiversity Score (Biodiversity Score x hectares)	198.67
LANDSCAPE CONTEXT SCORE	1.17												
VEGETATION CONDITION SCORE	42.06												
CONSERVATION SIGNIFICANCE SCORE	1.08												
UNIT BIODIVERSITY SCORE	53.15												
Total Biodiversity Score (Biodiversity Score x hectares)	198.67												
Photo Point and Vegetation Survey Location		Direction of the Photo											
		south											
		GPS Reference											
		Datum	GDA20										
		Zone (52, 53 or 54)											
		Easting (6 digits)	362882.65										
		Northing (7 digits)	6723063.11										
Description													
Representative photo of Vegetation Association 2													



## SEB Offset Calculations

(for a proposed clearance site assessment)

SEB Points Required	
Loss Factor	1.0
Loadings for clearance of protected areas	
Reductions for rehabilitation of impact site	
SEB Uplift Factor	1.10
<b>Total SEB Points Required</b>	<b>218.54</b>

SEB - Payment	
SEB points of gain/ha Factor	7
Approximate SEB hectares required	31.22
Management Cost (\$/ha)	\$25,408
Economies of Scale Factor	0.11
Mean Annual rainfall for the site (mm)	186
Payment into the Fund (GST exclusive)	\$16,229.64
Administration fee (GST inclusive)	\$892.63
<b>Total Payment Required</b>	<b>\$17,122.27</b>



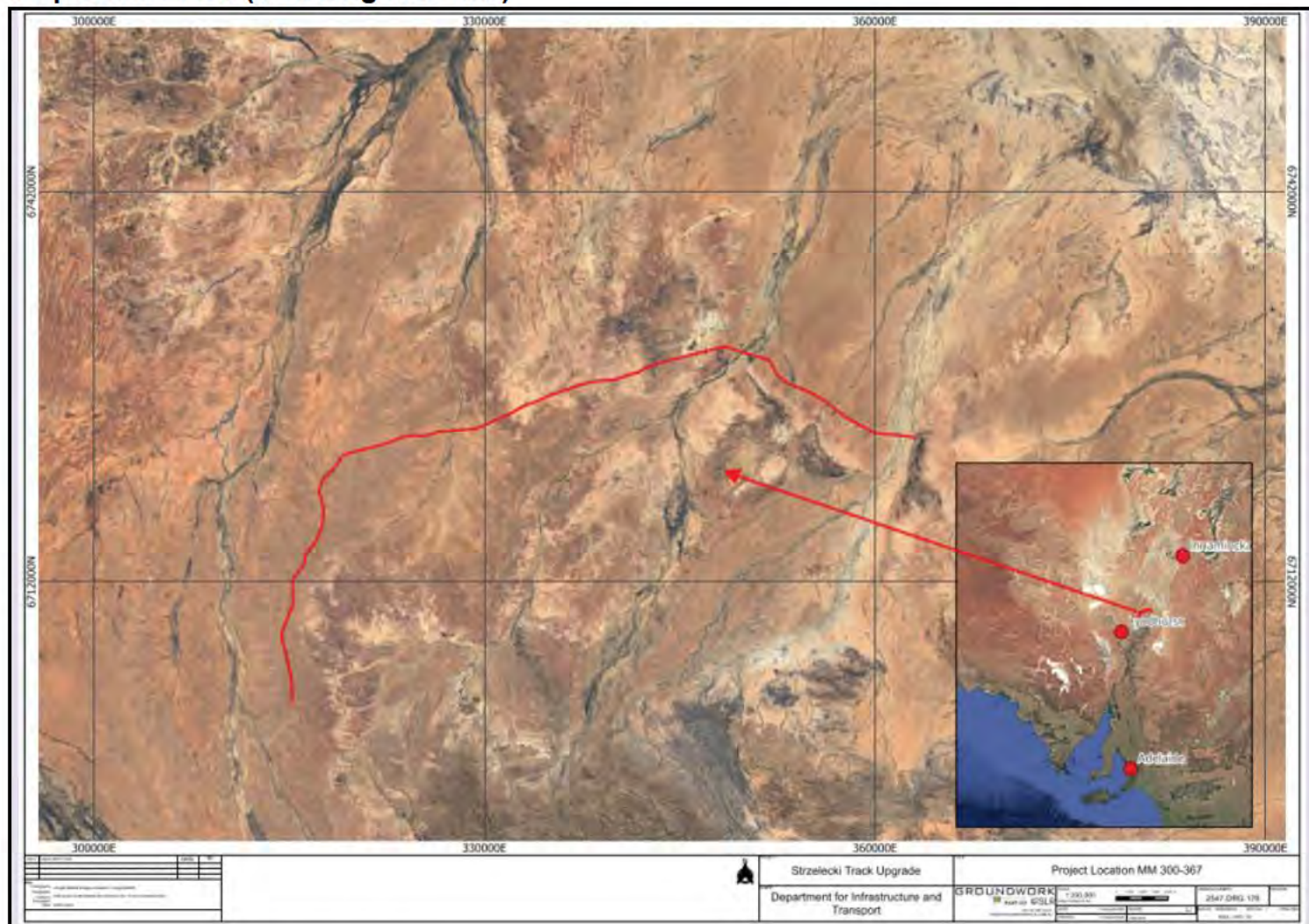
# Rangelands Assessment Scoresheet

(SEB Policy 1 Sept 2024; Scoresheet updated 1 July 2025)

Block (name)	300-367
Landscapes Region	South Australian Arid Lands
IBRA Sub Region	Murnpeowie
Property Name	DIT

ASSESSOR(S) (Insert Full Name/s)	Louise Jaunay
DATE OF ASSESSMENT	23-26/08/2024

## Map of the Block (Including the Sites)



## Landscape Context Scores

Number of Landform Features within Block	4
1 = 0.01pts, 2 = 0.03pts, >2 = 0.06pts	0.06
Size of the Block	43
<10ha = 0; 10 - <100ha = 0.01pts; 100 - <500ha = 0.02pts; 500 - <1000ha = 0.03pts; 1000 - <2000ha = 0.04pts; 2000 - 5000 = 0.05pts; >5000pts = 0.06pts	0.01
% native veg. protected in IBRA Sub region	1
0-2% = 0.05 pts; >2-5% = 0.04 pts; >5-10% = 0.03 pts; >10-25% = 0.02 pt; >25% = 0.01 pt	0.05

### Wetland or Riparian Habitat present

Does the block contain a wetland feature (Yes/No)

Permanent or semi permanent = 0.08 pt

No

Contains water for at least 6 months of the year

Occasionally contains water = 0.05 pts

Yes

Contains water approximately once every 5 years

Very occasionally contains water = 0.02 pts

Yes

Contains water approximately once every 20 years

Score

0.05

Note: Blocks will score a minimum Landscape Context Score of 1

LANDSCAPE CONTEXT SCORE (max 1.25)

1.17



## OFFICIAL

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[illegible]

Threatened Flora Species - Recorded or Observed		Threatened Species			
Species	Common Name	EPBC	SA	Past Record	Observed




[illegible]



Vegetation Condition Scores				
SITE (name):		VA3	SIZE OF SITE (Ha)	0.108
VEGETATION ASSOCIATION DESCRIPTION		Acacia victoriae open shrubland		
LANDSCAPE TYPE		Drainage lines / floodouts		
SURFACE CHARACTER		Dominant	Cracking	Minor
Biotic Disturbance Indicators		Dominant >50%	Minor <50%	None - 0
Sites with trees and large shrubs only (select one tickbox for each row)				Score
Presence of palatable shrubs or perennial grasses under the canopy of tree/shrub >3m		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Presence of mostly intact litter mats under canopy of tree/shrub >3m tall (>50% of tree canopy area has intertwined litter or shrub cover)		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Total Score (Max 10 - weighted by 2.5)				5
Physical Disturbance Indicators		Dominant >50%	Minor <50%	None - 0
Prevalence of large patches of bare soil (> 5m x 5m) that shows no signs of productive capacity (ie ephemeral plant litter, stems etc.)		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Evidence of animal tracks, vehicle tracks or other physical disturbance to the natural land surface		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Destabilised creek channel banks (if present), characterised by no vegetation or stabilizing roots, deflation and bank erosion. Inspect banks on both sides of channels.		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Total Score (Max 18 - weighted by 3)				9
Vegetation Stratum (tick the Present box for all stratum that are present or tick for Absent box of any stratum that should be present but have been removed)		Present	Absent	Note; don't tick either box if stratum was likely never present - e.g. Trees stratum in a low shrubland
Trees/shrubs >3m		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Shrubs 1- 3m		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Low shrubs <1m & hummock grasses		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Perennial tussock grasses with basal areas >30mm		<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Total Score (Max 16 - weighted by 4)				10.0
Introduced Plant Species		Select	Score	
Declared species present?		No	2	
Introduced species dominate (>50% of vegetation cover)		<input type="checkbox"/>	1	
Moderate invasion of introduced species (5 to 50% of the vegetation cover)		<input checked="" type="checkbox"/>		
Very sparse to nil introduced species present (<5% of vegetation cover)		<input type="checkbox"/>		
Total Score (Max 10 - weighted by 2.5)				7.5
Vegetation Utilisation Score				
Total Score (Max 26)				12.83
Vegetation Condition Score Calculation				
VEGETATION CONDITION SCORE				44.33
<div> <div>LowMediumHigh</div> <div> <div>Vegetation Utilisation Score</div> <div>Introduced Plant Species Score</div> <div>Vegetation Stratum Score</div> <div>Physical Disturbance Indicator</div> <div>Biotic Disturbance Indicator</div> <div>Vegetation Condition Score</div> </div> </div>				



Conservation Significance Score													
Is the vegetation association considered a Threatened Ecological community or Ecosystem?			Tick if Yes										
State (Provisional List of Threatened Ecosystems of SA) <b>Rare</b> community (0.1 pt)			<input type="checkbox"/>										
State (Provisional List of Threatened Ecosystems of SA) <b>Vulnerable</b> community (0.2 pts)			<input type="checkbox"/>										
State (Provisional List of Threatened Ecosystems of SA) <b>Endangered</b> community (0.3 pts)			<input type="checkbox"/>										
Nationally (EPBC Act) <b>Vulnerable</b> community (0.35 pts)			<input type="checkbox"/>										
Contains a Nationally (EPBC Act) <b>Endangered</b> or <b>Critically Endangered</b> community (0.4 pts)			<input type="checkbox"/>										
Note: all sites will score a minimum Conservation Significance Score of 1			Score 1										
Number of Threatened Plant Species recorded for within the <u>Site</u>			Number										
*If a species has both a State (NP&W Act) and National (EPBC Act) rating, it's only recorded for its National rating.													
State <b>Rare</b> species recorded (1 pt each)			0										
State <b>Vulnerable</b> species recorded (2.5 pt each)			0										
State <b>Endangered</b> recorded (5 pts each)			0										
Nationally <b>Vulnerable</b> species recorded (10 pts each)			0										
Nationally <b>Endangered</b> or <b>Critically endangered</b> species recorded (20 pts each)			0										
0 = 0 pts; <2 = 0.04 pts; 2 - <5 = 0.08 pts; 5 - <10 = 0.12 pts; 10 - <20 = 0.16 pts; 20 or > = 0.2 pts			0										
Score			0										
Potential habitat for Threatened Animal Species (number observed or recorded) for the <u>Site</u>			Number										
*If a species has both a State (NP&W Act) and National (EPBC Act) rating, it's only recorded for its National rating.													
State <b>Rare</b> species observed or locally recorded (1 pt each)			3										
State <b>Vulnerable</b> species observed or locally recorded (2.5 pt each)			0										
State <b>Endangered</b> species observed or locally recorded (5 pt each)			0										
Nationally <b>Vulnerable</b> species observed or locally recorded (10 pts each)			1										
Nationally <b>Endangered</b> or <b>Critically endangered</b> species observed or locally recorded (20 pts each)			0										
0 = 0 pts; <2 = 0.02 pts; 2 - <5 = 0.04 pts; 5 - <10 = 0.06 pts; 10 - <20 = 0.08pts; 20 or > = 0.1 pts			13										
Score			0.08										
CONSERVATION SIGNIFICANCE SCORE			1.08										
<div> <div>Total Scores for the Site</div> <table border="1"> <tr> <td>LANDSCAPE CONTEXT SCORE</td> <td>1.17</td> </tr> <tr> <td>VEGETATION CONDITION SCORE</td> <td>44.33</td> </tr> <tr> <td>CONSERVATION SIGNIFICANCE SCORE</td> <td>1.08</td> </tr> </table> </div> <div> <div>Vegetation Condition x Landscape Context x Conservation Significance =</div> <table border="1"> <tr> <td>UNIT BIODIVERSITY SCORE</td> <td>56.02</td> </tr> <tr> <td>Total Biodiversity Score (Biodiversity Score x hectares)</td> <td>6.05</td> </tr> </table> </div>				LANDSCAPE CONTEXT SCORE	1.17	VEGETATION CONDITION SCORE	44.33	CONSERVATION SIGNIFICANCE SCORE	1.08	UNIT BIODIVERSITY SCORE	56.02	Total Biodiversity Score (Biodiversity Score x hectares)	6.05
LANDSCAPE CONTEXT SCORE	1.17												
VEGETATION CONDITION SCORE	44.33												
CONSERVATION SIGNIFICANCE SCORE	1.08												
UNIT BIODIVERSITY SCORE	56.02												
Total Biodiversity Score (Biodiversity Score x hectares)	6.05												
Photo Point and Vegetation Survey Location		Direction of the Photo											
		north											
		GPS Reference											
		Datum	GDA20										
		Zone (52, 53 or 54)											
		Easting (6 digits)	362500.84										
Northing (7 digits)	6723215.11												
Description		Representative photo of Vegetation Association 3											



## SEB Offset Calculations

### (for a proposed clearance site assessment)

SEB Points Required	
Loss Factor	1.0
Loadings for clearance of protected areas	
Reductions for rehabilitation of impact site	
SEB Uplift Factor	1.10
<b>Total SEB Points Required</b>	<b>6.66</b>

SEB - Payment	
SEB points of gain/ha Factor	7
Approximate SEB hectares required	0.95
Management Cost (\$/ha)	\$25,408
Economies of Scale Factor	0.11
Mean Annual rainfall for the site (mm)	186
Payment into the Fund (GST exclusive)	\$494.60
Administration fee (GST inclusive)	\$27.20
<b>Total Payment Required</b>	<b>\$521.80</b>



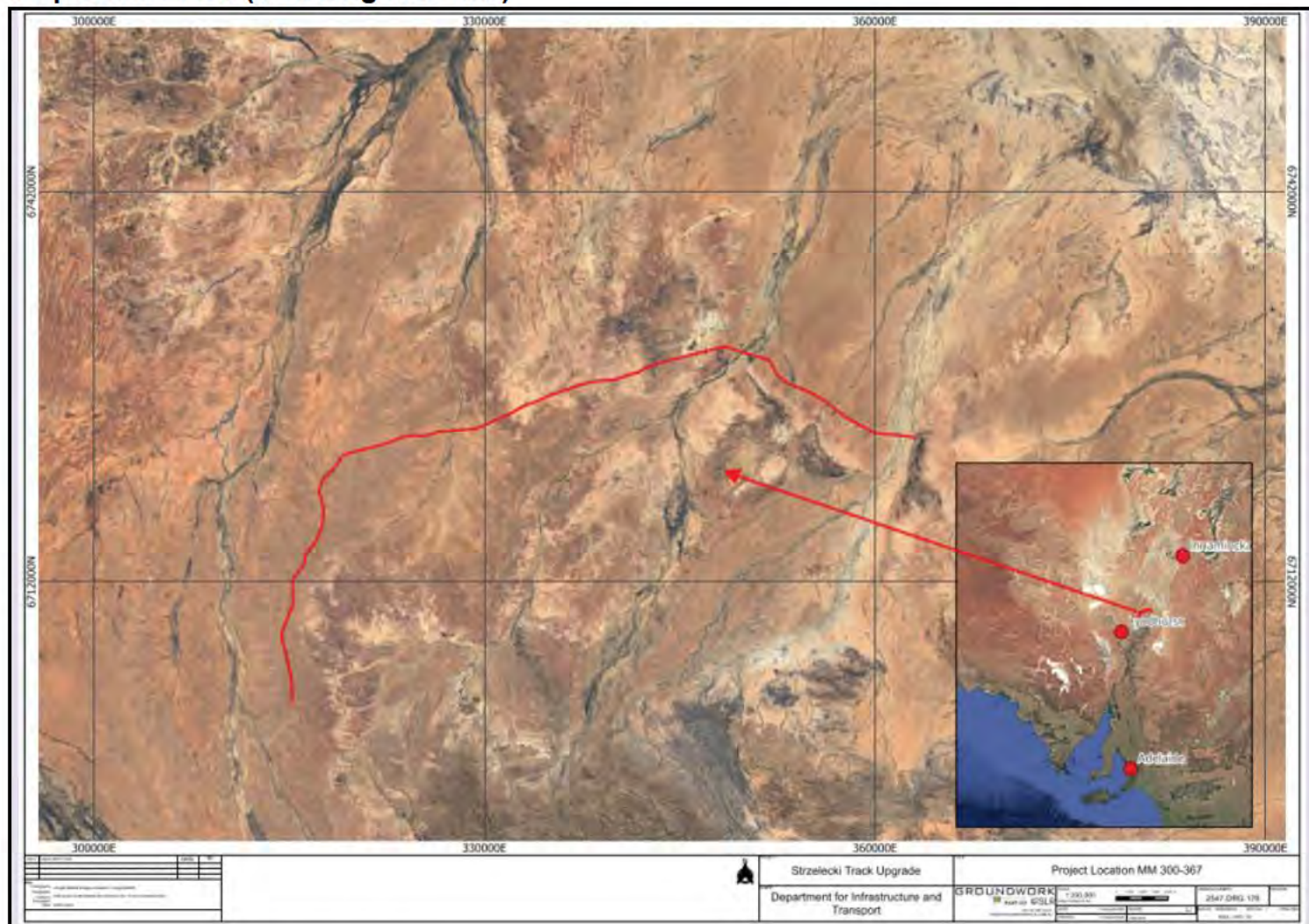
# Rangelands Assessment Scoresheet

(SEB Policy 1 Sept 2024; Scoresheet updated 1 July 2025)

Block (name)	300-367
Landscapes Region	South Australian Arid Lands
IBRA Sub Region	Murnpeowie
Property Name	DIT

ASSESSOR(S) (Insert Full Name/s)	Louise Jaunay
DATE OF ASSESSMENT	23-26/08/2024

## Map of the Block (Including the Sites)



## Landscape Context Scores

Number of Landform Features within Block	4
1 = 0.01pts, 2 = 0.03pts, >2 = 0.06pts	0.06
Size of the Block	43
<10ha = 0; 10 - <100ha = 0.01pts; 100 - <500ha = 0.02pts; 500 - <1000ha = 0.03pts; 1000 - <2000ha = 0.04pts; 2000 - 5000 = 0.05pts; >5000pts = 0.06pts	0.01
% native veg. protected in IBRA Sub region	1
0-2% = 0.05 pts; >2-5% = 0.04 pts; >5-10% = 0.03 pts; >10-25% = 0.02 pt; >25% = 0.01 pt	0.05

### Wetland or Riparian Habitat present

Does the block contain a wetland feature (Yes/No)

Permanent or semi permanent = 0.08 pt

No

Contains water for at least 6 months of the year

Occasionally contains water = 0.05 pts

Yes

Contains water approximately once every 5 years

Very occasionally contains water = 0.02 pts

Yes

Contains water approximately once every 20 years

Score

0.05

Note: Blocks will score a minimum Landscape Context Score of 1

LANDSCAPE CONTEXT SCORE (max 1.25)

1.17



## OFFICIAL

[illegible]



[illegible][illegible]



[illegible]



# Vegetation Condition Scores

<b>SITE (name):</b>	VA4	<b>SIZE OF SITE (Ha)</b>	0.033
<b>VEGETATION ASSOCIATION DESCRIPTION</b>	Acacia victoriae +/- Acacia salicina open shrubland		
<b>LANDSCAPE TYPE</b>	Drainage lines / floodouts		
<b>SURFACE CHARACTER</b>	<b>Dominant</b>	Cracking	<b>Minor</b>

<b>Biotic Disturbance Indicators</b>	<b>Dominant &gt;50%</b>	<b>Minor &lt;50%</b>	<b>None - 0</b>	<b>Score</b>
Sites with trees and large shrubs only (select one tickbox for each row)				
Presence of palatable shrubs or perennial grasses under the canopy of tree/shrub >3m	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1
Presence of mostly intact litter mats under canopy of tree/shrub >3m tall (>50% of tree canopy area has intertwined litter or shrub cover)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1
<b>Total Score (Max 10 - weighted by 2.5)</b>				<b>5</b>

<b>Physical Disturbance Indicators</b>	<b>Dominant &gt;50%</b>	<b>Minor &lt;50%</b>	<b>None - 0</b>	<b>Score</b>
Prevalence of large patches of bare soil (> 5m x 5m) that shows no signs of productive capacity (ie ephemeral plant litter, stems etc.)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1
Evidence of animal tracks, vehicle tracks or other physical disturbance to the natural land surface	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1
Destabilised creek channel banks (if present), characterised by no vegetation or stabilizing roots, deflation and bank erosion. Inspect banks on both sides of channels.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2
<b>Total Score (Max 18 - weighted by 3)</b>				<b>12</b>

<b>Vegetation Stratum</b> (tick the <u>Present</u> box for all stratum that are present or tick for <u>Absent</u> box of any stratum that should be present but have been removed)	<b>Present</b>	<b>Absent</b>	<i>Note; don't tick either box if stratum was likely never present - e.g. Trees stratum in a low shrubland</i>
Trees/shrubs >3m	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Shrubs 1- 3m	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Low shrubs <1m & hummock grasses	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Perennial tussock grasses with basal areas >30mm	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Total Score (Max 16 - weighted by 4)</b>			<b>10.0</b>


<b>Introduced Plant Species</b>	<b>Select</b>	<b>Score</b>
Declared species present?	No	2
Introduced species dominate (>50% of vegetation cover)	<input type="checkbox"/>	2
Moderate invasion of introduced species (5 to 50% of the vegetation cover)	<input type="checkbox"/>	
Very sparse to nil introduced species present (<5% of vegetation cover)	<input checked="" type="checkbox"/>	
<b>Total Score (Max 10 - weighted by 2.5)</b>		<b>10</b>

<b>Vegetation Utilisation Score</b>	
<b>Total Score (Max 26)</b>	<b>14.04</b>

<b>Vegetation Condition Score Calculation</b>	
<b>VEGETATION CONDITION SCORE</b>	<b>51.04</b>





Conservation Significance Score													
Is the vegetation association considered a Threatened Ecological community or Ecosystem?			Tick if Yes										
State (Provisional List of Threatened Ecosystems of SA) <b>Rare</b> community (0.1 pt)			<input type="checkbox"/>										
State (Provisional List of Threatened Ecosystems of SA) <b>Vulnerable</b> community (0.2 pts)			<input type="checkbox"/>										
State (Provisional List of Threatened Ecosystems of SA) <b>Endangered</b> community (0.3 pts)			<input type="checkbox"/>										
Nationally (EPBC Act) <b>Vulnerable</b> community (0.35 pts)			<input type="checkbox"/>										
Contains a Nationally (EPBC Act) <b>Endangered</b> or <b>Critically Endangered</b> community (0.4 pts)			<input type="checkbox"/>										
Note: all sites will score a minimum Conservation Significance Score of 1			Score 1										
Number of Threatened Plant Species recorded for within the <u>Site</u>			Number										
*If a species has both a State (NP&W Act) and National (EPBC Act) rating, it's only recorded for its National rating.													
State <b>Rare</b> species recorded (1 pt each)			0										
State <b>Vulnerable</b> species recorded (2.5 pt each)			0										
State <b>Endangered</b> recorded (5 pts each)			0										
Nationally <b>Vulnerable</b> species recorded (10 pts each)			0										
Nationally <b>Endangered</b> or <b>Critically endangered</b> species recorded (20 pts each)			0										
0 = 0 pts; <2 = 0.04 pts; 2 - <5 = 0.08 pts; 5 - <10 = 0.12 pts; 10 - <20 = 0.16 pts; 20 or > = 0.2 pts			0										
Score			0										
Potential habitat for Threatened Animal Species (number observed or recorded) for the <u>Site</u>			Number										
*If a species has both a State (NP&W Act) and National (EPBC Act) rating, it's only recorded for its National rating.													
State <b>Rare</b> species observed or locally recorded (1 pt each)			3										
State <b>Vulnerable</b> species observed or locally recorded (2.5 pt each)			0										
State <b>Endangered</b> species observed or locally recorded (5 pt each)			0										
Nationally <b>Vulnerable</b> species observed or locally recorded (10 pts each)			1										
Nationally <b>Endangered</b> or <b>Critically endangered</b> species observed or locally recorded (20 pts each)			0										
0 = 0 pts; <2 = 0.02 pts; 2 - <5 = 0.04 pts; 5 - <10 = 0.06 pts; 10 - <20 = 0.08pts; 20 or > = 0.1 pts			13										
Score			0.08										
CONSERVATION SIGNIFICANCE SCORE			1.08										
<div> <div>Total Scores for the Site</div> <table border="1"> <tr> <td>LANDSCAPE CONTEXT SCORE</td> <td>1.17</td> </tr> <tr> <td>VEGETATION CONDITION SCORE</td> <td>51.04</td> </tr> <tr> <td>CONSERVATION SIGNIFICANCE SCORE</td> <td>1.08</td> </tr> </table> </div> <div> <div>Vegetation Condition x Landscape Context x Conservation Significance =</div> <table border="1"> <tr> <td>UNIT BIODIVERSITY SCORE</td> <td>64.49</td> </tr> <tr> <td>Total Biodiversity Score (Biodiversity Score x hectares)</td> <td>2.13</td> </tr> </table> </div>				LANDSCAPE CONTEXT SCORE	1.17	VEGETATION CONDITION SCORE	51.04	CONSERVATION SIGNIFICANCE SCORE	1.08	UNIT BIODIVERSITY SCORE	64.49	Total Biodiversity Score (Biodiversity Score x hectares)	2.13
LANDSCAPE CONTEXT SCORE	1.17												
VEGETATION CONDITION SCORE	51.04												
CONSERVATION SIGNIFICANCE SCORE	1.08												
UNIT BIODIVERSITY SCORE	64.49												
Total Biodiversity Score (Biodiversity Score x hectares)	2.13												
Photo Point and Vegetation Survey Location		Direction of the Photo											
		south											
		GPS Reference											
		Datum	GDA20										
		Zone (52, 53 or 54)											
		Easting (6 digits)	360816.22										
Northing (7 digits)	6723349.68												
Description		Representative photo of Vegetation Association 4											



## SEB Offset Calculations

### (for a proposed clearance site assessment)

SEB Points Required	
Loss Factor	
Loadings for clearance of protected areas	
Reductions for rehabilitation of impact site	
SEB Uplift Factor	1.10
<b>Total SEB Points Required</b>	<b>0.00</b>

SEB - Payment	
SEB points of gain/ha Factor	7
Approximate SEB hectares required	0.00
Management Cost (\$/ha)	\$25,408
Economies of Scale Factor	
Mean Annual rainfall for the site (mm)	
Payment into the Fund (GST exclusive)	\$0.00
Administration fee (GST inclusive)	\$0.00
<b>Total Payment Required</b>	<b>\$0.00</b>



# Rangelands Assessment Scoresheet

(SEB Policy 1 Sept 2024; Scoresheet updated 1 July 2025)

Block (name)	300-367
Landscapes Region	South Australian Arid Lands
IBRA Sub Region	Murnpeowie
Property Name	DIT

ASSESSOR(S) (Insert Full Name/s)	Louise Jaunay
DATE OF ASSESSMENT	23-26/08/2024

## Map of the Block (Including the Sites)



## Landscape Context Scores

Number of Landform Features within Block	4
1 = 0.01pts, 2 = 0.03pts, >2 = 0.06pts	0.06
Size of the Block	43
<10ha = 0; 10 - <100ha = 0.01pts; 100 - <500ha = 0.02pts; 500 - <1000ha = 0.03pts; 1000 - <2000ha = 0.04pts; 2000 - 5000 = 0.05pts; >5000pts = 0.06pts	0.01
% native veg. protected in IBRA Sub region	1
0-2% = 0.05 pts; >2-5% = 0.04 pts; >5-10% = 0.03 pts; >10-25% = 0.02 pt; >25% = 0.01 pt	0.05

### Wetland or Riparian Habitat present

Does the block contain a wetland feature (Yes/No)

Permanent or semi permanent = 0.08 pt

No

Contains water for at least 6 months of the year

Occasionally contains water = 0.05 pts

Yes

Contains water approximately once every 5 years

Very occasionally contains water = 0.02 pts

Yes

Contains water approximately once every 20 years

Score

0.05

Note: Blocks will score a minimum Landscape Context Score of 1

LANDSCAPE CONTEXT SCORE (max 1.25)

1.17



## OFFICIAL

[illegible]



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[illegible]



Vegetation Condition Scores				
SITE (name):		VA5	SIZE OF SITE (Ha)	0.31
VEGETATION ASSOCIATION DESCRIPTION		Senna artemisioides +/- Maireana apressa shrubland with eme		
LANDSCAPE TYPE		Drainage lines / floodouts		
SURFACE CHARACTER		Dominant	Cracking	Minor
Biotic Disturbance Indicators		Dominant >50%	Minor <50%	None - 0
Sites with trees and large shrubs only (select one tickbox for each row)				Score
Presence of palatable shrubs or perennial grasses under the canopy of tree/shrub >3m		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Presence of mostly intact litter mats under canopy of tree/shrub >3m tall (>50% of tree canopy area has intertwined litter or shrub cover)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Score (Max 10 - weighted by 2.5)				5
Physical Disturbance Indicators		Dominant >50%	Minor <50%	None - 0
				Score
Prevalence of large patches of bare soil (> 5m x 5m) that shows no signs of productive capacity (ie ephemeral plant litter, stems etc.)		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Evidence of animal tracks, vehicle tracks or other physical disturbance to the natural land surface		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Destabilised creek channel banks (if present), characterised by no vegetation or stabilizing roots, deflation and bank erosion. Inspect banks on both sides of channels.		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Total Score (Max 18 - weighted by 3)				6
Vegetation Stratum (tick the Present box for all stratum that are present or tick for Absent box of any stratum that should be present but have been removed)		Present	Absent	Note; don't tick either box if stratum was likely never present - e.g. Trees stratum in a low shrubland
Trees/shrubs >3m		<input type="checkbox"/>	<input type="checkbox"/>	
Shrubs 1- 3m		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Low shrubs <1m & hummock grasses		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Perennial tussock grasses with basal areas >30mm		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Total Score (Max 16 - weighted by 4)				12.0
Introduced Plant Species		Select	Score	
Declared species present?		No	2	
Introduced species dominate (>50% of vegetation cover)		<input type="checkbox"/>	1	
Moderate invasion of introduced species (5 to 50% of the vegetation cover)		<input checked="" type="checkbox"/>		
Very sparse to nil introduced species present (<5% of vegetation cover)		<input type="checkbox"/>		
Total Score (Max 10 - weighted by 2.5)				7.5
Vegetation Utilisation Score				
Total Score (Max 26)				16.28
Vegetation Condition Score Calculation				
VEGETATION CONDITION SCORE				46.78
<div> <div>LowMediumHigh</div> <div> <div>Vegetation Utilisation Score</div> <div>Introduced Plant Species Score</div> <div>Vegetation Stratum Score</div> <div>Physical Disturbance Indicator</div> <div>Biotic Disturbance Indicator</div> <div>Vegetation Condition Score</div> </div> </div>				



Conservation Significance Score													
Is the vegetation association considered a Threatened Ecological community or Ecosystem?			Tick if Yes										
State (Provisional List of Threatened Ecosystems of SA) <b>Rare</b> community (0.1 pt)			<input type="checkbox"/>										
State (Provisional List of Threatened Ecosystems of SA) <b>Vulnerable</b> community (0.2 pts)			<input type="checkbox"/>										
State (Provisional List of Threatened Ecosystems of SA) <b>Endangered</b> community (0.3 pts)			<input type="checkbox"/>										
Nationally (EPBC Act) <b>Vulnerable</b> community (0.35 pts)			<input type="checkbox"/>										
Contains a Nationally (EPBC Act) <b>Endangered</b> or <b>Critically Endangered</b> community (0.4 pts)			<input type="checkbox"/>										
Note: all sites will score a minimum Conservation Significance Score of 1			Score 1										
Number of Threatened Plant Species recorded for within the <u>Site</u>			Number										
*If a species has both a State (NP&W Act) and National (EPBC Act) rating, it's only recorded for its National rating.													
State <b>Rare</b> species recorded (1 pt each)			0										
State <b>Vulnerable</b> species recorded (2.5 pt each)			0										
State <b>Endangered</b> recorded (5 pts each)			0										
Nationally <b>Vulnerable</b> species recorded (10 pts each)			0										
Nationally <b>Endangered</b> or <b>Critically endangered</b> species recorded (20 pts each)			0										
0 = 0 pts; <2 = 0.04 pts; 2 - <5 = 0.08 pts; 5 - <10 = 0.12 pts; 10 - <20 = 0.16 pts; 20 or > = 0.2 pts			0										
Score			0										
Potential habitat for Threatened Animal Species (number observed or recorded) for the <u>Site</u>			Number										
*If a species has both a State (NP&W Act) and National (EPBC Act) rating, it's only recorded for its National rating.													
State <b>Rare</b> species observed or locally recorded (1 pt each)			3										
State <b>Vulnerable</b> species observed or locally recorded (2.5 pt each)			0										
State <b>Endangered</b> species observed or locally recorded (5 pt each)			0										
Nationally <b>Vulnerable</b> species observed or locally recorded (10 pts each)			1										
Nationally <b>Endangered</b> or <b>Critically endangered</b> species observed or locally recorded (20 pts each)			0										
0 = 0 pts; <2 = 0.02 pts; 2 - <5 = 0.04 pts; 5 - <10 = 0.06 pts; 10 - <20 = 0.08pts; 20 or > = 0.1 pts			13										
Score			0.08										
CONSERVATION SIGNIFICANCE SCORE			1.08										
<div> <div>Total Scores for the Site</div> <table border="1"> <tr> <td>LANDSCAPE CONTEXT SCORE</td> <td>1.17</td> </tr> <tr> <td>VEGETATION CONDITION SCORE</td> <td>46.78</td> </tr> <tr> <td>CONSERVATION SIGNIFICANCE SCORE</td> <td>1.08</td> </tr> </table> </div> <div> <div>Vegetation Condition x Landscape Context x Conservation Significance =</div> <table border="1"> <tr> <td>UNIT BIODIVERSITY SCORE</td> <td>59.11</td> </tr> <tr> <td>Total Biodiversity Score (Biodiversity Score x hectares)</td> <td>18.32</td> </tr> </table> </div>				LANDSCAPE CONTEXT SCORE	1.17	VEGETATION CONDITION SCORE	46.78	CONSERVATION SIGNIFICANCE SCORE	1.08	UNIT BIODIVERSITY SCORE	59.11	Total Biodiversity Score (Biodiversity Score x hectares)	18.32
LANDSCAPE CONTEXT SCORE	1.17												
VEGETATION CONDITION SCORE	46.78												
CONSERVATION SIGNIFICANCE SCORE	1.08												
UNIT BIODIVERSITY SCORE	59.11												
Total Biodiversity Score (Biodiversity Score x hectares)	18.32												
Photo Point and Vegetation Survey Location		Direction of the Photo											
		south											
		GPS Reference											
		Datum	GDA20										
		Zone (52, 53 or 54)											
		Easting (6 digits)	357449.01										
Northing (7 digits)	6724870.35												
Description		Representative photo of Vegetation Association 5											



## SEB Offset Calculations

### (for a proposed clearance site assessment)

SEB Points Required	
Loss Factor	1.0
Loadings for clearance of protected areas	
Reductions for rehabilitation of impact site	
SEB Uplift Factor	1.10
<b>Total SEB Points Required</b>	<b>20.15</b>

SEB - Payment	
SEB points of gain/ha Factor	7
Approximate SEB hectares required	2.88
Management Cost (\$/ha)	\$25,408
Economies of Scale Factor	0.11
Mean Annual rainfall for the site (mm)	186
Payment into the Fund (GST exclusive)	\$1,496.42
Administration fee (GST inclusive)	\$82.30
<b>Total Payment Required</b>	<b>\$1,578.72</b>



# Rangelands Assessment Scoresheet

(SEB Policy 1 Sept 2024; Scoresheet updated 1 July 2025)

Block (name)	300-367
Landscapes Region	South Australian Arid Lands
IBRA Sub Region	Murnpeowie
Property Name	DIT

ASSESSOR(S) (Insert Full Name/s)	Louise Jaunay
DATE OF ASSESSMENT	23-26/08/2024

## Map of the Block (Including the Sites)



## Landscape Context Scores

Number of Landform Features within Block	4
1 = 0.01pts, 2 = 0.03pts, >2 = 0.06pts	0.06
Size of the Block	43
<10ha = 0; 10 - <100ha = 0.01pts; 100 - <500ha = 0.02pts; 500 - <1000ha = 0.03pts; 1000 - <2000ha = 0.04pts; 2000 - 5000 = 0.05pts; >5000pts = 0.06pts	0.01
% native veg. protected in IBRA Sub region	1
0-2% = 0.05 pts; >2-5% = 0.04 pts; >5-10% = 0.03 pts; >10-25% = 0.02 pt; >25% = 0.01 pt	0.05

### Wetland or Riparian Habitat present

Does the block contain a wetland feature (Yes/No)

Permanent or semi permanent = 0.08 pt

No

Contains water for at least 6 months of the year

Occasionally contains water = 0.05 pts

Yes

Contains water approximately once every 5 years

Very occasionally contains water = 0.02 pts

Yes

Contains water approximately once every 20 years

Score

0.05

Note: Blocks will score a minimum Landscape Context Score of 1

LANDSCAPE CONTEXT SCORE (max 1.25)

1.17



## OFFICIAL

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[illegible][illegible]




[illegible]



Vegetation Condition Scores				
SITE (name):		VA6	SIZE OF SITE (Ha)	0.781
VEGETATION ASSOCIATION DESCRIPTION		Acacia salicina open shrubland over Maireana aphylla +/- Sen		
LANDSCAPE TYPE		Drainage lines / floodouts		
SURFACE CHARACTER		Dominant	Cracking	Minor
Biotic Disturbance Indicators		Dominant >50%	Minor <50%	None - 0
Sites with trees and large shrubs only (select one tickbox for each row)				Score
Presence of palatable shrubs or perennial grasses under the canopy of tree/shrub >3m		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Presence of mostly intact litter mats under canopy of tree/shrub >3m tall (>50% of tree canopy area has intertwined litter or shrub cover)		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Total Score (Max 10 - weighted by 2.5)				5
Physical Disturbance Indicators		Dominant >50%	Minor <50%	None - 0
				Score
Prevalence of large patches of bare soil (> 5m x 5m) that shows no signs of productive capacity (ie ephemeral plant litter, stems etc.)		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Evidence of animal tracks, vehicle tracks or other physical disturbance to the natural land surface		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Destabilised creek channel banks (if present), characterised by no vegetation or stabilizing roots, deflation and bank erosion. Inspect banks on both sides of channels.		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Total Score (Max 18 - weighted by 3)				6
Vegetation Stratum (tick the Present box for all stratum that are present or tick for Absent box of any stratum that should be present but have been removed)		Present	Absent	Note; don't tick either box if stratum was likely never present - e.g. Trees stratum in a low shrubland
Trees/shrubs >3m		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Shrubs 1- 3m		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Low shrubs <1m & hummock grasses		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Perennial tussock grasses with basal areas >30mm		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Total Score (Max 16 - weighted by 4)				16.0
Introduced Plant Species		Select	Score	
Declared species present?		No	2	
Introduced species dominate (>50% of vegetation cover)		<input type="checkbox"/>	1	
Moderate invasion of introduced species (5 to 50% of the vegetation cover)		<input checked="" type="checkbox"/>		
Very sparse to nil introduced species present (<5% of vegetation cover)		<input type="checkbox"/>		
Total Score (Max 10 - weighted by 2.5)				7.5
Vegetation Utilisation Score				
Total Score (Max 26)				16.14
Vegetation Condition Score Calculation				
VEGETATION CONDITION SCORE				50.64
<div> <div>LowMediumHigh</div> <div> <div>Vegetation Utilisation Score</div> <div> <div></div> <div></div> </div> </div> <div> <div>Introduced Plant Species Score</div> <div> <div></div> <div></div> </div> </div> <div> <div>Vegetation Stratum Score</div> <div> <div></div> <div></div> </div> </div> <div> <div>Physical Disturbance Indicator</div> <div> <div></div> <div></div> </div> </div> <div> <div>Biotic Disturbance Indicator</div> <div> <div></div> <div></div> </div> </div> <div> <div>Vegetation Condition Score</div> <div> <div></div> <div></div> </div> </div> </div>				



Conservation Significance Score													
Is the vegetation association considered a Threatened Ecological community or Ecosystem?			Tick if Yes										
State (Provisional List of Threatened Ecosystems of SA) <b>Rare</b> community (0.1 pt)			<input type="checkbox"/>										
State (Provisional List of Threatened Ecosystems of SA) <b>Vulnerable</b> community (0.2 pts)			<input type="checkbox"/>										
State (Provisional List of Threatened Ecosystems of SA) <b>Endangered</b> community (0.3 pts)			<input type="checkbox"/>										
Nationally (EPBC Act) <b>Vulnerable</b> community (0.35 pts)			<input type="checkbox"/>										
Contains a Nationally (EPBC Act) <b>Endangered</b> or <b>Critically Endangered</b> community (0.4 pts)			<input type="checkbox"/>										
Note; all sites will score a minimum Conservation Significance Score of 1			Score 1										
Number of Threatened Plant Species recorded for within the <u>Site</u>			Number										
*If a species has both a State (NP&W Act) and National (EPBC Act) rating, it's only recorded for its National rating.													
State <b>Rare</b> species recorded (1 pt each)			0										
State <b>Vulnerable</b> species recorded (2.5 pt each)			0										
State <b>Endangered</b> recorded (5 pts each)			0										
Nationally <b>Vulnerable</b> species recorded (10 pts each)			0										
Nationally <b>Endangered</b> or <b>Critically endangered</b> species recorded (20 pts each)			0										
0 = 0 pts; <2 = 0.04 pts; 2 - <5 = 0.08 pts; 5 - <10 = 0.12 pts; 10 - <20 = 0.16 pts; 20 or > = 0.2 pts			0										
Score			0										
Potential habitat for Threatened Animal Species (number observed or recorded) for the <u>Site</u>			Number										
*If a species has both a State (NP&W Act) and National (EPBC Act) rating, it's only recorded for its National rating.													
State <b>Rare</b> species observed or locally recorded (1 pt each)			3										
State <b>Vulnerable</b> species observed or locally recorded (2.5 pt each)			0										
State <b>Endangered</b> species observed or locally recorded (5 pt each)			0										
Nationally <b>Vulnerable</b> species observed or locally recorded (10 pts each)			1										
Nationally <b>Endangered</b> or <b>Critically endangered</b> species observed or locally recorded (20 pts each)			0										
0 = 0 pts; <2 = 0.02 pts; 2 - <5 = 0.04 pts; 5 - <10 = 0.06 pts; 10 - <20 = 0.08pts; 20 or > = 0.1 pts			13										
Score			0.08										
CONSERVATION SIGNIFICANCE SCORE			1.08										
<div> <div>Total Scores for the Site</div> <table border="1"> <tr> <td>LANDSCAPE CONTEXT SCORE</td> <td>1.17</td> </tr> <tr> <td>VEGETATION CONDITION SCORE</td> <td>50.64</td> </tr> <tr> <td>CONSERVATION SIGNIFICANCE SCORE</td> <td>1.08</td> </tr> </table> </div> <div> <div>Vegetation Condition x Landscape Context x Conservation Significance =</div> <table border="1"> <tr> <td>UNIT BIODIVERSITY SCORE</td> <td>63.99</td> </tr> <tr> <td>Total Biodiversity Score (Biodiversity Score x hectares)</td> <td>49.98</td> </tr> </table> </div>				LANDSCAPE CONTEXT SCORE	1.17	VEGETATION CONDITION SCORE	50.64	CONSERVATION SIGNIFICANCE SCORE	1.08	UNIT BIODIVERSITY SCORE	63.99	Total Biodiversity Score (Biodiversity Score x hectares)	49.98
LANDSCAPE CONTEXT SCORE	1.17												
VEGETATION CONDITION SCORE	50.64												
CONSERVATION SIGNIFICANCE SCORE	1.08												
UNIT BIODIVERSITY SCORE	63.99												
Total Biodiversity Score (Biodiversity Score x hectares)	49.98												
Photo Point and Vegetation Survey Location		Direction of the Photo											
		south											
		GPS Reference											
		Datum	GDA20										
		Zone (52, 53 or 54)											
		Easting (6 digits)	356938.9										
		Northing (7 digits)	6725268.19										
Description													
Representative photo of Vegetation Association 6													



## SEB Offset Calculations

### (for a proposed clearance site assessment)

SEB Points Required	
Loss Factor	
Loadings for clearance of protected areas	
Reductions for rehabilitation of impact site	
SEB Uplift Factor	1.10
<b>Total SEB Points Required</b>	<b>0.00</b>

SEB - Payment	
SEB points of gain/ha Factor	7
Approximate SEB hectares required	0.00
Management Cost (\$/ha)	\$25,408
Economies of Scale Factor	
Mean Annual rainfall for the site (mm)	
Payment into the Fund (GST exclusive)	\$0.00
Administration fee (GST inclusive)	\$0.00
<b>Total Payment Required</b>	<b>\$0.00</b>



# Rangelands Assessment Scoresheet

(SEB Policy 1 Sept 2024; Scoresheet updated 1 July 2025)

Block (name)	300-367
Landscapes Region	South Australian Arid Lands
IBRA Sub Region	Murnpeowie
Property Name	DIT

ASSESSOR(S) (Insert Full Name/s)	Louise Jaunay
DATE OF ASSESSMENT	23-26/08/2024

## Map of the Block (Including the Sites)



## Landscape Context Scores

Number of Landform Features within Block	4
1 = 0.01pts, 2 = 0.03pts, >2 = 0.06pts	0.06
Size of the Block	43
<10ha = 0; 10 - <100ha = 0.01pts; 100 - <500ha = 0.02pts; 500 - <1000ha = 0.03pts; 1000 - <2000ha = 0.04pts; 2000 - 5000 = 0.05pts; >5000pts = 0.06pts	0.01
% native veg. protected in IBRA Sub region	1
0-2% = 0.05 pts; >2-5% = 0.04 pts; >5-10% = 0.03 pts; >10-25% = 0.02 pt; >25% = 0.01 pt	0.05

### Wetland or Riparian Habitat present

Does the block contain a wetland feature (Yes/No)

Permanent or semi permanent = 0.08 pt

No

Contains water for at least 6 months of the year

Occasionally contains water = 0.05 pts

Yes

Contains water approximately once every 5 years

Very occasionally contains water = 0.02 pts

Yes

Contains water approximately once every 20 years

Score

0.05

Note: Blocks will score a minimum Landscape Context Score of 1

**LANDSCAPE CONTEXT SCORE (max 1.25)**
**1.17**



## OFFICIAL

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Vegetation Condition Scores				
SITE (name):		VA7	SIZE OF SITE (Ha)	1.172
VEGETATION ASSOCIATION DESCRIPTION		Maireana astrotricha +/- Sida petrophila open shrubland over f		
LANDSCAPE TYPE		Plain – level		
SURFACE CHARACTER		Dominant	Minor	Cracking
Stony				
<b>Biotic Disturbance Indicators</b>				
Sites with trees and large shrubs only (select one tickbox for each row)		Dominant >50%	Minor <50%	None - 0
Score				
Presence of palatable shrubs or perennial grasses under the canopy of tree/shrub >3m		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1				
Presence of mostly intact litter mats under canopy of tree/shrub >3m tall (>50% of tree canopy area has intertwined litter or shrub cover)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1				
Total Score (Max 10 - weighted by 2.5)				5
<b>Physical Disturbance Indicators</b>				
		Dominant >50%	Minor <50%	None - 0
Score				
Prevalence of large patches of bare soil (> 5m x 5m) that shows no signs of productive capacity (ie ephemeral plant litter, stems etc.)		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1				
Evidence of animal tracks, vehicle tracks or other physical disturbance to the natural land surface		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1				
Destabilised creek channel banks (if present), characterised by no vegetation or stabilizing roots, deflation and bank erosion. Inspect banks on both sides of channels.		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1				
Total Score (Max 18 - weighted by 3)				9
<b>Vegetation Stratum</b> (tick the Present box for all stratum that are present or tick for Absent box of any stratum that should be present but have been removed)				
		Present	Absent	Note; don't tick either box if stratum was likely never present - e.g. Trees stratum in a low shrubland
Trees/shrubs >3m		<input type="checkbox"/>	<input type="checkbox"/>	
Shrubs 1- 3m		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Low shrubs <1m & hummock grasses		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Perennial tussock grasses with basal areas >30mm		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Total Score (Max 16 - weighted by 4)				12.0
<b>Introduced Plant Species</b>				
		Select	Score	
Declared species present?		No	2	
Introduced species dominate (>50% of vegetation cover)		<input type="checkbox"/>	1	
Moderate invasion of introduced species (5 to 50% of the vegetation cover)		<input checked="" type="checkbox"/>		
Very sparse to nil introduced species present (<5% of vegetation cover)		<input type="checkbox"/>		
Total Score (Max 10 - weighted by 2.5)				7.5
<b>Vegetation Utilisation Score</b>				
Total Score (Max 26)				13.17
<b>Vegetation Condition Score Calculation</b>				
VEGETATION CONDITION SCORE				46.67
<div> <div>Low</div> <div>Medium</div> <div>High</div> </div> <div> <div>Vegetation Utilisation Score</div> <div>Introduced Plant Species Score</div> <div>Vegetation Stratum Score</div> <div>Physical Disturbance Indicator</div> <div>Biotic Disturbance Indicator</div> <div>Vegetation Condition Score</div> </div>				



Conservation Significance Score			
Is the vegetation association considered a Threatened Ecological community or Ecosystem?			Tick if Yes
State (Provisional List of Threatened Ecosystems of SA) <b>Rare</b> community (0.1 pt)			<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Vulnerable</b> community (0.2 pts)			<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Endangered</b> community (0.3 pts)			<input type="checkbox"/>
Nationally (EPBC Act) <b>Vulnerable</b> community (0.35 pts)			<input type="checkbox"/>
Contains a Nationally (EPBC Act) <b>Endangered</b> or <b>Critically Endangered</b> community (0.4 pts)			<input type="checkbox"/>
Note: all sites will score a minimum Conservation Significance Score of 1			Score 1
Number of Threatened Plant Species recorded for within the <u>Site</u>			Number
*If a species has both a State (NP&W Act) and National (EPBC Act) rating, it's only recorded for its National rating.			
State <b>Rare</b> species recorded (1 pt each)			0
State <b>Vulnerable</b> species recorded (2.5 pt each)			0
State <b>Endangered</b> recorded (5 pts each)			0
Nationally <b>Vulnerable</b> species recorded (10 pts each)			0
Nationally <b>Endangered</b> or <b>Critically endangered</b> species recorded (20 pts each)			0
0 = 0 pts; <2 = 0.04 pts; 2 - <5 = 0.08 pts; 5 - <10 = 0.12 pts; 10 - <20 = 0.16 pts; 20 or > = 0.2 pts			0
Score			0
Potential habitat for Threatened Animal Species (number observed or recorded) for the <u>Site</u>			Number
*If a species has both a State (NP&W Act) and National (EPBC Act) rating, it's only recorded for its National rating.			
State <b>Rare</b> species observed or locally recorded (1 pt each)			3
State <b>Vulnerable</b> species observed or locally recorded (2.5 pt each)			0
State <b>Endangered</b> species observed or locally recorded (5 pt each)			0
Nationally <b>Vulnerable</b> species observed or locally recorded (10 pts each)			1
Nationally <b>Endangered</b> or <b>Critically endangered</b> species observed or locally recorded (20 pts each)			0
0 = 0 pts; <2 = 0.02 pts; 2 - <5 = 0.04 pts; 5 - <10 = 0.06 pts; 10 - <20 = 0.08pts; 20 or > = 0.1 pts			13
Score			0.08
CONSERVATION SIGNIFICANCE SCORE			1.08
Total Scores for the Site			
LANDSCAPE CONTEXT SCORE		1.17	Vegetation Condition x Landscape Context x Conservation Significance = <b>UNIT BIODIVERSITY SCORE</b> 58.97 <b>Total Biodiversity Score</b> (Biodiversity Score x hectares) 69.11
VEGETATION CONDITION SCORE		46.67	
CONSERVATION SIGNIFICANCE SCORE		1.08	
Photo Point and Vegetation Survey Location		Direction of the Photo	
		Easting (6 digits)	
		GPS Reference	
		Datum	GDA20
		Zone (52, 53 or 54)	
		Easting (6 digits)	355971.35
Northing (7 digits)	6725121.23		
		Description	
		Representative photo of Vegetation Association 7	



## SEB Offset Calculations

### (for a proposed clearance site assessment)

SEB Points Required	
Loss Factor	1.0
Loadings for clearance of protected areas	
Reductions for rehabilitation of impact site	
SEB Uplift Factor	1.10
<b>Total SEB Points Required</b>	<b>76.02</b>

SEB - Payment	
SEB points of gain/ha Factor	7
Approximate SEB hectares required	10.86
Management Cost (\$/ha)	\$25,408
Economies of Scale Factor	0.11
Mean Annual rainfall for the site (mm)	186
Payment into the Fund (GST exclusive)	\$5,645.55
Administration fee (GST inclusive)	\$310.51
<b>Total Payment Required</b>	<b>\$5,956.06</b>



# Rangelands Assessment Scoresheet

(SEB Policy 1 Sept 2024; Scoresheet updated 1 July 2025)

Block (name)	300-367
Landscapes Region	South Australian Arid Lands
IBRA Sub Region	Murnpeowie
Property Name	DIT

ASSESSOR(S) (Insert Full Name/s)	Louise Jaunay
DATE OF ASSESSMENT	23-26/08/2024

## Map of the Block (Including the Sites)



## Landscape Context Scores

Number of Landform Features within Block	4
1 = 0.01pts, 2 = 0.03pts, >2 = 0.06pts	0.06
Size of the Block	43
<10ha = 0; 10 - <100ha = 0.01pts; 100 - <500ha = 0.02pts; 500 - <1000ha = 0.03pts; 1000 - <2000ha = 0.04pts; 2000 - 5000 = 0.05pts; >5000pts = 0.06pts	0.01
% native veg. protected in IBRA Sub region	1
0-2% = 0.05 pts; >2-5% = 0.04 pts; >5-10% = 0.03 pts; >10-25% = 0.02 pt; >25% = 0.01 pt	0.05

Note: Blocks will score a minimum Landscape Context Score of 1

Wetland or Riparian Habitat present	
Does the block contain a wetland feature (Yes/No)	
Permanent or semi permanent = 0.08 pt	No
Contains water for at least 6 months of the year	
Occasionally contains water = 0.05 pts	Yes
Contains water approximately once every 5 years	
Very occasionally contains water = 0.02 pts	Yes
Contains water approximately once every 20 years	
Score	0.05

LANDSCAPE CONTEXT SCORE (max 1.25)	1.17
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## OFFICIAL

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Vegetation Condition Scores				
SITE (name):		VA8	SIZE OF SITE (Ha)	23.993
VEGETATION ASSOCIATION DESCRIPTION		Sclerolaena spp. +/- Dissocarpus paradoxa very open low shr		
LANDSCAPE TYPE		Plain – level		
SURFACE CHARACTER		Dominant	Minor	Cracking
Stony				
<b>Biotic Disturbance Indicators</b>				
Sites with trees and large shrubs only (select one tickbox for each row)		Dominant >50%	Minor <50%	None - 0
Score				
Presence of palatable shrubs or perennial grasses under the canopy of tree/shrub >3m		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1				
Presence of mostly intact litter mats under canopy of tree/shrub >3m tall (>50% of tree canopy area has intertwined litter or shrub cover)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1				
Total Score (Max 10 - weighted by 2.5)				5
<b>Physical Disturbance Indicators</b>				
		Dominant >50%	Minor <50%	None - 0
Score				
Prevalence of large patches of bare soil (> 5m x 5m) that shows no signs of productive capacity (ie ephemeral plant litter, stems etc.)		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1				
Evidence of animal tracks, vehicle tracks or other physical disturbance to the natural land surface		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1				
Destabilised creek channel banks (if present), characterised by no vegetation or stabilizing roots, deflation and bank erosion. Inspect banks on both sides of channels.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1				
Total Score (Max 18 - weighted by 3)				9
<b>Vegetation Stratum</b> (tick the Present box for all stratum that are present or tick for Absent box of any stratum that should be present but have been removed)				
		Present	Absent	Note; don't tick either box if stratum was likely never present - e.g. Trees stratum in a low shrubland
Trees/shrubs >3m		<input type="checkbox"/>	<input type="checkbox"/>	
Shrubs 1- 3m		<input type="checkbox"/>	<input type="checkbox"/>	
Low shrubs <1m & hummock grasses		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Perennial tussock grasses with basal areas >30mm		<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Total Score (Max 16 - weighted by 4)				2.0
<b>Introduced Plant Species</b>				
		Select	Score	
Declared species present?		No	2	
Introduced species dominate (>50% of vegetation cover)		<input type="checkbox"/>	1	
Moderate invasion of introduced species (5 to 50% of the vegetation cover)		<input checked="" type="checkbox"/>		
Very sparse to nil introduced species present (<5% of vegetation cover)		<input type="checkbox"/>		
Total Score (Max 10 - weighted by 2.5)				7.5
<b>Vegetation Utilisation Score</b>				
Total Score (Max 26)				17.33
<b>Vegetation Condition Score Calculation</b>				
VEGETATION CONDITION SCORE				40.83
<div> <div>Low</div> <div>Medium</div> <div>High</div> </div> <div> <div>Vegetation Utilisation Score</div> <div>Introduced Plant Species Score</div> <div>Vegetation Stratum Score</div> <div>Physical Disturbance Indicator</div> <div>Biotic Disturbance Indicator</div> <div>Vegetation Condition Score</div> </div>				



Conservation Significance Score			
Is the vegetation association considered a Threatened Ecological community or Ecosystem?			Tick if Yes
State (Provisional List of Threatened Ecosystems of SA) <b>Rare</b> community (0.1 pt)			<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Vulnerable</b> community (0.2 pts)			<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Endangered</b> community (0.3 pts)			<input type="checkbox"/>
Nationally (EPBC Act) <b>Vulnerable</b> community (0.35 pts)			<input type="checkbox"/>
Contains a Nationally (EPBC Act) <b>Endangered</b> or <b>Critically Endangered</b> community (0.4 pts)			<input type="checkbox"/>
Note: all sites will score a minimum Conservation Significance Score of 1			Score 1
Number of Threatened Plant Species recorded for within the <u>Site</u>			Number
*If a species has both a State (NP&W Act) and National (EPBC Act) rating, it's only recorded for its National rating.			
State <b>Rare</b> species recorded (1 pt each)			0
State <b>Vulnerable</b> species recorded (2.5 pt each)			0
State <b>Endangered</b> recorded (5 pts each)			0
Nationally <b>Vulnerable</b> species recorded (10 pts each)			0
Nationally <b>Endangered</b> or <b>Critically endangered</b> species recorded (20 pts each)			0
0 = 0 pts; <2 = 0.04 pts; 2 - <5 = 0.08 pts; 5 - <10 = 0.12 pts; 10 - <20 = 0.16 pts; 20 or > = 0.2 pts			0
Score			0
Potential habitat for Threatened Animal Species (number observed or recorded) for the <u>Site</u>			Number
*If a species has both a State (NP&W Act) and National (EPBC Act) rating, it's only recorded for its National rating.			
State <b>Rare</b> species observed or locally recorded (1 pt each)			3
State <b>Vulnerable</b> species observed or locally recorded (2.5 pt each)			0
State <b>Endangered</b> species observed or locally recorded (5 pt each)			0
Nationally <b>Vulnerable</b> species observed or locally recorded (10 pts each)			1
Nationally <b>Endangered</b> or <b>Critically endangered</b> species observed or locally recorded (20 pts each)			0
0 = 0 pts; <2 = 0.02 pts; 2 - <5 = 0.04 pts; 5 - <10 = 0.06 pts; 10 - <20 = 0.08pts; 20 or > = 0.1 pts			13
Score			0.08
CONSERVATION SIGNIFICANCE SCORE			1.08
Total Scores for the Site			
LANDSCAPE CONTEXT SCORE		1.17	Vegetation Condition x Landscape Context x Conservation Significance = <b>UNIT BIODIVERSITY SCORE</b> 51.59 <b>Total Biodiversity Score</b> (Biodiversity Score x hectares) 1237.80
VEGETATION CONDITION SCORE		40.83	
CONSERVATION SIGNIFICANCE SCORE		1.08	
Photo Point and Vegetation Survey Location		Direction of the Photo	
		south	
		GPS Reference	
		Datum	GDA20
		Zone (52, 53 or 54)	
		Easting (6 digits)	356078.6
		Northing (7 digits)	6725915.9
Description		Representative photo of Vegetation Association 8	



## SEB Offset Calculations

### (for a proposed clearance site assessment)

SEB Points Required	
Loss Factor	1.0
Loadings for clearance of protected areas	
Reductions for rehabilitation of impact site	
SEB Uplift Factor	1.10
<b>Total SEB Points Required</b>	<b>1361.58</b>

SEB - Payment	
SEB points of gain/ha Factor	7
Approximate SEB hectares required	194.51
Management Cost (\$/ha)	\$25,408
Economies of Scale Factor	0.11
Mean Annual rainfall for the site (mm)	186
Payment into the Fund (GST exclusive)	\$101,116.31
Administration fee (GST inclusive)	\$5,561.40
<b>Total Payment Required</b>	<b>\$106,677.71</b>



# Rangelands Assessment Scoresheet

(SEB Policy 1 Sept 2024; Scoresheet updated 1 July 2025)

Block (name)	300-367
Landscapes Region	South Australian Arid Lands
IBRA Sub Region	Murnpeowie
Property Name	DIT

ASSESSOR(S) (Insert Full Name/s)	Louise Jaunay
DATE OF ASSESSMENT	23-26/08/2024

## Map of the Block (Including the Sites)



## Landscape Context Scores

Number of Landform Features within Block	4
1 = 0.01pts, 2 = 0.03pts, >2 = 0.06pts	0.06
Size of the Block	43
<10ha = 0; 10 - <100ha = 0.01pts; 100 - <500ha = 0.02pts; 500 - <1000ha = 0.03pts; 1000 - <2000ha = 0.04pts; 2000 - 5000 = 0.05pts; >5000pts = 0.06pts	0.01
% native veg. protected in IBRA Sub region	1
0-2% = 0.05 pts; >2-5% = 0.04 pts; >5-10% = 0.03 pts; >10-25% = 0.02 pt; >25% = 0.01 pt	0.05

### Wetland or Riparian Habitat present

Does the block contain a wetland feature (Yes/No)

Permanent or semi permanent = 0.08 pt

No

Contains water for at least 6 months of the year

Occasionally contains water = 0.05 pts

Yes

Contains water approximately once every 5 years

Very occasionally contains water = 0.02 pts

Yes

Contains water approximately once every 20 years

Score

0.05

Note: Blocks will score a minimum Landscape Context Score of 1

LANDSCAPE CONTEXT SCORE (max 1.25)

1.17



## OFFICIAL

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Vegetation Condition Scores				
SITE (name):		VA9	SIZE OF SITE (Ha)	0.443
VEGETATION ASSOCIATION DESCRIPTION		Eucalyptus camaldulensis open forest		
LANDSCAPE TYPE		Plain – level		
SURFACE CHARACTER		Dominant	Cracking	Minor Stony
Biotic Disturbance Indicators		Dominant >50%	Minor <50%	None - 0
Sites with trees and large shrubs only (select one tickbox for each row)				Score
Presence of palatable shrubs or perennial grasses under the canopy of tree/shrub >3m		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Presence of mostly intact litter mats under canopy of tree/shrub >3m tall (>50% of tree canopy area has intertwined litter or shrub cover)		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Score (Max 10 - weighted by 2.5)				10
Physical Disturbance Indicators		Dominant >50%	Minor <50%	None - 0
				Score
Prevalence of large patches of bare soil (> 5m x 5m) that shows no signs of productive capacity (ie ephemeral plant litter, stems etc.)		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Evidence of animal tracks, vehicle tracks or other physical disturbance to the natural land surface		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Destabilised creek channel banks (if present), characterised by no vegetation or stabilizing roots, deflation and bank erosion. Inspect banks on both sides of channels.		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Total Score (Max 18 - weighted by 3)				9
Vegetation Stratum (tick the Present box for all stratum that are present or tick for Absent box of any stratum that should be present but have been removed)		Present	Absent	Note; don't tick either box if stratum was likely never present - e.g. Trees stratum in a low shrubland
Trees/shrubs >3m		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Shrubs 1- 3m		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Low shrubs <1m & hummock grasses		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Perennial tussock grasses with basal areas >30mm		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Total Score (Max 16 - weighted by 4)				16.0
Introduced Plant Species		Select	Score	
Declared species present?		No	2	
Introduced species dominate (>50% of vegetation cover)		<input type="checkbox"/>	1	
Moderate invasion of introduced species (5 to 50% of the vegetation cover)		<input checked="" type="checkbox"/>		
Very sparse to nil introduced species present (<5% of vegetation cover)		<input type="checkbox"/>		
Total Score (Max 10 - weighted by 2.5)				7.5
Vegetation Utilisation Score				
Total Score (Max 26)				17.88
Vegetation Condition Score Calculation				
VEGETATION CONDITION SCORE				60.38
<div> <div>LowMediumHigh</div> <div> <div>Vegetation Utilisation Score</div> <div>Introduced Plant Species Score</div> <div>Vegetation Stratum Score</div> <div>Physical Disturbance Indicator</div> <div>Biotic Disturbance Indicator</div> <div>Vegetation Condition Score</div> </div> </div>				



Conservation Significance Score													
Is the vegetation association considered a Threatened Ecological community or Ecosystem?			Tick if Yes										
State (Provisional List of Threatened Ecosystems of SA) <b>Rare</b> community (0.1 pt)			<input type="checkbox"/>										
State (Provisional List of Threatened Ecosystems of SA) <b>Vulnerable</b> community (0.2 pts)			<input type="checkbox"/>										
State (Provisional List of Threatened Ecosystems of SA) <b>Endangered</b> community (0.3 pts)			<input type="checkbox"/>										
Nationally (EPBC Act) <b>Vulnerable</b> community (0.35 pts)			<input type="checkbox"/>										
Contains a Nationally (EPBC Act) <b>Endangered</b> or <b>Critically Endangered</b> community (0.4 pts)			<input type="checkbox"/>										
Note: all sites will score a minimum Conservation Significance Score of 1			Score 1										
Number of Threatened Plant Species recorded for within the <u>Site</u>			Number										
*If a species has both a State (NP&W Act) and National (EPBC Act) rating, it's only recorded for its National rating.													
State <b>Rare</b> species recorded (1 pt each)			0										
State <b>Vulnerable</b> species recorded (2.5 pt each)			0										
State <b>Endangered</b> recorded (5 pts each)			0										
Nationally <b>Vulnerable</b> species recorded (10 pts each)			0										
Nationally <b>Endangered</b> or <b>Critically endangered</b> species recorded (20 pts each)			0										
0 = 0 pts; <2 = 0.04 pts; 2 - <5 = 0.08 pts; 5 - <10 = 0.12 pts; 10 - <20 = 0.16 pts; 20 or > = 0.2 pts			0										
Score			0										
Potential habitat for Threatened Animal Species (number observed or recorded) for the <u>Site</u>			Number										
*If a species has both a State (NP&W Act) and National (EPBC Act) rating, it's only recorded for its National rating.													
State <b>Rare</b> species observed or locally recorded (1 pt each)			3										
State <b>Vulnerable</b> species observed or locally recorded (2.5 pt each)			0										
State <b>Endangered</b> species observed or locally recorded (5 pt each)			0										
Nationally <b>Vulnerable</b> species observed or locally recorded (10 pts each)			1										
Nationally <b>Endangered</b> or <b>Critically endangered</b> species observed or locally recorded (20 pts each)			0										
0 = 0 pts; <2 = 0.02 pts; 2 - <5 = 0.04 pts; 5 - <10 = 0.06 pts; 10 - <20 = 0.08pts; 20 or > = 0.1 pts			13										
Score			0.08										
CONSERVATION SIGNIFICANCE SCORE			1.08										
<div> <div>Total Scores for the Site</div> <table border="1"> <tr> <td>LANDSCAPE CONTEXT SCORE</td> <td>1.17</td> </tr> <tr> <td>VEGETATION CONDITION SCORE</td> <td>60.38</td> </tr> <tr> <td>CONSERVATION SIGNIFICANCE SCORE</td> <td>1.08</td> </tr> </table> </div> <div> <div>Vegetation Condition x Landscape Context x Conservation Significance =</div> <table border="1"> <tr> <td>UNIT BIODIVERSITY SCORE</td> <td>76.30</td> </tr> <tr> <td>Total Biodiversity Score (Biodiversity Score x hectares)</td> <td>33.80</td> </tr> </table> </div>				LANDSCAPE CONTEXT SCORE	1.17	VEGETATION CONDITION SCORE	60.38	CONSERVATION SIGNIFICANCE SCORE	1.08	UNIT BIODIVERSITY SCORE	76.30	Total Biodiversity Score (Biodiversity Score x hectares)	33.80
LANDSCAPE CONTEXT SCORE	1.17												
VEGETATION CONDITION SCORE	60.38												
CONSERVATION SIGNIFICANCE SCORE	1.08												
UNIT BIODIVERSITY SCORE	76.30												
Total Biodiversity Score (Biodiversity Score x hectares)	33.80												
Photo Point and Vegetation Survey Location		Direction of the Photo											
		south											
		GPS Reference											
		Datum	GDA20										
		Zone (52, 53 or 54)											
		Easting (6 digits)	353823.68										
Northing (7 digits)	6727033.11												
Description		Representative photo of Vegetation Association 9											



## SEB Offset Calculations

### (for a proposed clearance site assessment)

SEB Points Required	
Loss Factor	1.0
Loadings for clearance of protected areas	
Reductions for rehabilitation of impact site	
SEB Uplift Factor	1.10
<b>Total SEB Points Required</b>	<b>37.18</b>

SEB - Payment	
SEB points of gain/ha Factor	7
Approximate SEB hectares required	5.31
Management Cost (\$/ha)	\$25,408
Economies of Scale Factor	0.11
Mean Annual rainfall for the site (mm)	186
Payment into the Fund (GST exclusive)	\$2,761.13
Administration fee (GST inclusive)	\$151.86
<b>Total Payment Required</b>	<b>\$2,912.99</b>



# Rangelands Assessment Scoresheet

(SEB Policy 1 Sept 2024; Scoresheet updated 1 July 2025)

Block (name)	300-367
Landscapes Region	South Australian Arid Lands
IBRA Sub Region	Murnpeowie
Property Name	DIT

ASSESSOR(S) (Insert Full Name/s)	Louise Jaunay
DATE OF ASSESSMENT	23-26/08/2024

## Map of the Block (Including the Sites)



## Landscape Context Scores

Number of Landform Features within Block	4
1 = 0.01pts, 2 = 0.03pts, >2 = 0.06pts	0.06
Size of the Block	43
<10ha = 0; 10 - <100ha = 0.01pts; 100 - <500ha = 0.02pts; 500 - <1000ha = 0.03pts; 1000 - <2000ha = 0.04pts; 2000 - 5000 = 0.05pts; >5000pts = 0.06pts	0.01
% native veg. protected in IBRA Sub region	1
0-2% = 0.05 pts; >2-5% = 0.04 pts; >5-10% = 0.03 pts; >10-25% = 0.02 pt; >25% = 0.01 pt	0.05

### Wetland or Riparian Habitat present

Does the block contain a wetland feature (Yes/No)

Permanent or semi permanent = 0.08 pt

No

Contains water for at least 6 months of the year

Occasionally contains water = 0.05 pts

Yes

Contains water approximately once every 5 years

Very occasionally contains water = 0.02 pts

Yes

Contains water approximately once every 20 years

Score

0.05

Note: Blocks will score a minimum Landscape Context Score of 1

LANDSCAPE CONTEXT SCORE (max 1.25)

1.17



## OFFICIAL

[illegible]



[illegible][illegible]




[illegible]



Vegetation Condition Scores				
SITE (name):		VA10	SIZE OF SITE (Ha)	3.225
VEGETATION ASSOCIATION DESCRIPTION		Sclerolaena spp. low open shrubland		
LANDSCAPE TYPE		Plain – level		
SURFACE CHARACTER		Dominant	Cracking	Minor Stony
Biotic Disturbance Indicators		Dominant >50%	Minor <50%	None - 0
Sites with trees and large shrubs only (select one tickbox for each row)				Score
Presence of palatable shrubs or perennial grasses under the canopy of tree/shrub >3m		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Presence of mostly intact litter mats under canopy of tree/shrub >3m tall (>50% of tree canopy area has intertwined litter or shrub cover)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Score (Max 10 - weighted by 2.5)				5
Physical Disturbance Indicators		Dominant >50%	Minor <50%	None - 0
				Score
Prevalence of large patches of bare soil (> 5m x 5m) that shows no signs of productive capacity (ie ephemeral plant litter, stems etc.)		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Evidence of animal tracks, vehicle tracks or other physical disturbance to the natural land surface		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Destabilised creek channel banks (if present), characterised by no vegetation or stabilizing roots, deflation and bank erosion. Inspect banks on both sides of channels.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Score (Max 18 - weighted by 3)				9
Vegetation Stratum (tick the Present box for all stratum that are present or tick for Absent box of any stratum that should be present but have been removed)		Present	Absent	Note; don't tick either box if stratum was likely never present - e.g. Trees stratum in a low shrubland
Trees/shrubs >3m		<input type="checkbox"/>	<input type="checkbox"/>	
Shrubs 1- 3m		<input type="checkbox"/>	<input type="checkbox"/>	
Low shrubs <1m & hummock grasses		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Perennial tussock grasses with basal areas >30mm		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Total Score (Max 16 - weighted by 4)				8.0
Introduced Plant Species		Select	Score	
Declared species present?		No	2	
Introduced species dominate (>50% of vegetation cover)		<input type="checkbox"/>	2	
Moderate invasion of introduced species (5 to 50% of the vegetation cover)		<input type="checkbox"/>		
Very sparse to nil introduced species present (<5% of vegetation cover)		<input checked="" type="checkbox"/>		
Total Score (Max 10 - weighted by 2.5)				10
Vegetation Utilisation Score				
Total Score (Max 26)				15.60
Vegetation Condition Score Calculation				
VEGETATION CONDITION SCORE				47.60
<div> <div>LowMediumHigh</div> <div> <div>Vegetation Utilisation Score</div> <div>Introduced Plant Species Score</div> <div>Vegetation Stratum Score</div> <div>Physical Disturbance Indicator</div> <div>Biotic Disturbance Indicator</div> <div>Vegetation Condition Score</div> </div> </div>				



Conservation Significance Score													
Is the vegetation association considered a Threatened Ecological community or Ecosystem?			Tick if Yes										
State (Provisional List of Threatened Ecosystems of SA) <b>Rare</b> community (0.1 pt)			<input type="checkbox"/>										
State (Provisional List of Threatened Ecosystems of SA) <b>Vulnerable</b> community (0.2 pts)			<input type="checkbox"/>										
State (Provisional List of Threatened Ecosystems of SA) <b>Endangered</b> community (0.3 pts)			<input type="checkbox"/>										
Nationally (EPBC Act) <b>Vulnerable</b> community (0.35 pts)			<input type="checkbox"/>										
Contains a Nationally (EPBC Act) <b>Endangered</b> or <b>Critically Endangered</b> community (0.4 pts)			<input type="checkbox"/>										
Note: all sites will score a minimum Conservation Significance Score of 1			Score 1										
Number of Threatened Plant Species recorded for within the <u>Site</u>			Number										
*If a species has both a State (NP&W Act) and National (EPBC Act) rating, it's only recorded for its National rating.													
State <b>Rare</b> species recorded (1 pt each)			0										
State <b>Vulnerable</b> species recorded (2.5 pt each)			0										
State <b>Endangered</b> recorded (5 pts each)			0										
Nationally <b>Vulnerable</b> species recorded (10 pts each)			0										
Nationally <b>Endangered</b> or <b>Critically endangered</b> species recorded (20 pts each)			0										
0 = 0 pts; <2 = 0.04 pts; 2 - <5 = 0.08 pts; 5 - <10 = 0.12 pts; 10 - <20 = 0.16 pts; 20 or > = 0.2 pts			0										
Score			0										
Potential habitat for Threatened Animal Species (number observed or recorded) for the <u>Site</u>			Number										
*If a species has both a State (NP&W Act) and National (EPBC Act) rating, it's only recorded for its National rating.													
State <b>Rare</b> species observed or locally recorded (1 pt each)			3										
State <b>Vulnerable</b> species observed or locally recorded (2.5 pt each)			0										
State <b>Endangered</b> species observed or locally recorded (5 pt each)			0										
Nationally <b>Vulnerable</b> species observed or locally recorded (10 pts each)			1										
Nationally <b>Endangered</b> or <b>Critically endangered</b> species observed or locally recorded (20 pts each)			0										
0 = 0 pts; <2 = 0.02 pts; 2 - <5 = 0.04 pts; 5 - <10 = 0.06 pts; 10 - <20 = 0.08pts; 20 or > = 0.1 pts			13										
Score			0.08										
CONSERVATION SIGNIFICANCE SCORE			1.08										
<div> <div>Total Scores for the Site</div> <table border="1"> <tr> <td>LANDSCAPE CONTEXT SCORE</td> <td>1.17</td> </tr> <tr> <td>VEGETATION CONDITION SCORE</td> <td>47.60</td> </tr> <tr> <td>CONSERVATION SIGNIFICANCE SCORE</td> <td>1.08</td> </tr> </table> </div> <div> <div>Vegetation Condition x Landscape Context x Conservation Significance =</div> <table border="1"> <tr> <td>UNIT BIODIVERSITY SCORE</td> <td>60.15</td> </tr> <tr> <td>Total Biodiversity Score (Biodiversity Score x hectares)</td> <td>193.98</td> </tr> </table> </div>				LANDSCAPE CONTEXT SCORE	1.17	VEGETATION CONDITION SCORE	47.60	CONSERVATION SIGNIFICANCE SCORE	1.08	UNIT BIODIVERSITY SCORE	60.15	Total Biodiversity Score (Biodiversity Score x hectares)	193.98
LANDSCAPE CONTEXT SCORE	1.17												
VEGETATION CONDITION SCORE	47.60												
CONSERVATION SIGNIFICANCE SCORE	1.08												
UNIT BIODIVERSITY SCORE	60.15												
Total Biodiversity Score (Biodiversity Score x hectares)	193.98												
Photo Point and Vegetation Survey Location		Direction of the Photo											
		south											
		GPS Reference											
		Datum	GDA20										
		Zone (52, 53 or 54)											
		Easting (6 digits)	351413.11										
Northing (7 digits)	6729647.03												
Description		Representative photo of Vegetation Association 10											



## SEB Offset Calculations

### (for a proposed clearance site assessment)

SEB Points Required	
Loss Factor	1.0
Loadings for clearance of protected areas	
Reductions for rehabilitation of impact site	
SEB Uplift Factor	1.10
<b>Total SEB Points Required</b>	<b>213.38</b>

SEB - Payment	
SEB points of gain/ha Factor	7
Approximate SEB hectares required	30.48
Management Cost (\$/ha)	\$25,408
Economies of Scale Factor	0.11
Mean Annual rainfall for the site (mm)	186
Payment into the Fund (GST exclusive)	\$15,846.44
Administration fee (GST inclusive)	\$871.55
<b>Total Payment Required</b>	<b>\$16,717.99</b>



# Rangelands Assessment Scoresheet

(SEB Policy 1 Sept 2024; Scoresheet updated 1 July 2025)

Block (name)	300-367
Landscapes Region	South Australian Arid Lands
IBRA Sub Region	Murnpeowie
Property Name	DIT

ASSESSOR(S) (Insert Full Name/s)	Louise Jaunay
DATE OF ASSESSMENT	23-26/08/2024

## Map of the Block (Including the Sites)



## Landscape Context Scores

Number of Landform Features within Block	4
1 = 0.01pts, 2 = 0.03pts, >2 = 0.06pts	0.06
Size of the Block	43
<10ha = 0; 10 - <100ha = 0.01pts; 100 - <500ha = 0.02pts; 500 - <1000ha = 0.03pts; 1000 - <2000ha = 0.04pts; 2000 - 5000 = 0.05pts; >5000pts = 0.06pts	0.01
% native veg. protected in IBRA Sub region	1
0-2% = 0.05 pts; >2-5% = 0.04 pts; >5-10% = 0.03 pts; >10-25% = 0.02 pt; >25% = 0.01 pt	0.05

### Wetland or Riparian Habitat present

Does the block contain a wetland feature (Yes/No)

Permanent or semi permanent = 0.08 pt

Contains water for at least 6 months of the year

Occasionally contains water = 0.05 pts

Contains water approximately once every 5 years

Very occasionally contains water = 0.02 pts

Contains water approximately once every 20 years

Score 0.05

Note: Blocks will score a minimum Landscape Context Score of 1

LANDSCAPE CONTEXT SCORE (max 1.25) 1.17



## OFFICIAL

[illegible]



[illegible]

Threatened Flora Species - Recorded or Observed		Threatened Species			
Species	Common Name	EPBC	SA	Past Record	Observed




[illegible]



Vegetation Condition Scores				
SITE (name):		VA11	SIZE OF SITE (Ha)	0.33
VEGETATION ASSOCIATION DESCRIPTION		Low Chenopods and annuals with emergent Acacia salicina		
LANDSCAPE TYPE		Drainage lines / floodouts		
SURFACE CHARACTER		Dominant	Cracking	Minor Stony
Biotic Disturbance Indicators		Dominant >50%	Minor <50%	None - 0
Sites with trees and large shrubs only (select one tickbox for each row)				Score
Presence of palatable shrubs or perennial grasses under the canopy of tree/shrub >3m		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Presence of mostly intact litter mats under canopy of tree/shrub >3m tall (>50% of tree canopy area has intertwined litter or shrub cover)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Score (Max 10 - weighted by 2.5)				5
Physical Disturbance Indicators		Dominant >50%	Minor <50%	None - 0
				Score
Prevalence of large patches of bare soil (> 5m x 5m) that shows no signs of productive capacity (ie ephemeral plant litter, stems etc.)		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Evidence of animal tracks, vehicle tracks or other physical disturbance to the natural land surface		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Destabilised creek channel banks (if present), characterised by no vegetation or stabilizing roots, deflation and bank erosion. Inspect banks on both sides of channels.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Score (Max 18 - weighted by 3)				9
Vegetation Stratum (tick the Present box for all stratum that are present or tick for Absent box of any stratum that should be present but have been removed)		Present	Absent	Note; don't tick either box if stratum was likely never present - e.g. Trees stratum in a low shrubland
Trees/shrubs >3m		<input type="checkbox"/>	<input type="checkbox"/>	
Shrubs 1- 3m		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Low shrubs <1m & hummock grasses		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Perennial tussock grasses with basal areas >30mm		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Total Score (Max 16 - weighted by 4)				12.0
Introduced Plant Species		Select	Score	
Declared species present?		No	2	
Introduced species dominate (>50% of vegetation cover)		<input type="checkbox"/>	1	
Moderate invasion of introduced species (5 to 50% of the vegetation cover)		<input checked="" type="checkbox"/>		
Very sparse to nil introduced species present (<5% of vegetation cover)		<input type="checkbox"/>		
Total Score (Max 10 - weighted by 2.5)				7.5
Vegetation Utilisation Score				
Total Score (Max 26)				14.59
Vegetation Condition Score Calculation				
VEGETATION CONDITION SCORE				48.09
<div> <div>LowMediumHigh</div> <div> <div>Vegetation Utilisation Score</div> <div> <div></div> <div></div> </div> </div> <div> <div>Introduced Plant Species Score</div> <div> <div></div> <div></div> </div> </div> <div> <div>Vegetation Stratum Score</div> <div> <div></div> <div></div> </div> </div> <div> <div>Physical Disturbance Indicator</div> <div> <div></div> <div></div> </div> </div> <div> <div>Biotic Disturbance Indicator</div> <div> <div></div> <div></div> </div> </div> <div> <div>Vegetation Condition Score</div> <div> <div></div> <div></div> </div> </div> </div>				



Conservation Significance Score													
Is the vegetation association considered a Threatened Ecological community or Ecosystem?			Tick if Yes										
State (Provisional List of Threatened Ecosystems of SA) <b>Rare</b> community (0.1 pt)			<input type="checkbox"/>										
State (Provisional List of Threatened Ecosystems of SA) <b>Vulnerable</b> community (0.2 pts)			<input type="checkbox"/>										
State (Provisional List of Threatened Ecosystems of SA) <b>Endangered</b> community (0.3 pts)			<input type="checkbox"/>										
Nationally (EPBC Act) <b>Vulnerable</b> community (0.35 pts)			<input type="checkbox"/>										
Contains a Nationally (EPBC Act) <b>Endangered</b> or <b>Critically Endangered</b> community (0.4 pts)			<input type="checkbox"/>										
Note: all sites will score a minimum Conservation Significance Score of 1			Score 1										
Number of Threatened Plant Species recorded for within the <u>Site</u>			Number										
*If a species has both a State (NP&W Act) and National (EPBC Act) rating, it's only recorded for its National rating.													
State <b>Rare</b> species recorded (1 pt each)			0										
State <b>Vulnerable</b> species recorded (2.5 pt each)			0										
State <b>Endangered</b> recorded (5 pts each)			0										
Nationally <b>Vulnerable</b> species recorded (10 pts each)			0										
Nationally <b>Endangered</b> or <b>Critically endangered</b> species recorded (20 pts each)			0										
0 = 0 pts; <2 = 0.04 pts; 2 - <5 = 0.08 pts; 5 - <10 = 0.12 pts; 10 - <20 = 0.16 pts; 20 or > = 0.2 pts			0										
Score			0										
Potential habitat for Threatened Animal Species (number observed or recorded) for the <u>Site</u>			Number										
*If a species has both a State (NP&W Act) and National (EPBC Act) rating, it's only recorded for its National rating.													
State <b>Rare</b> species observed or locally recorded (1 pt each)			3										
State <b>Vulnerable</b> species observed or locally recorded (2.5 pt each)			0										
State <b>Endangered</b> species observed or locally recorded (5 pt each)			0										
Nationally <b>Vulnerable</b> species observed or locally recorded (10 pts each)			1										
Nationally <b>Endangered</b> or <b>Critically endangered</b> species observed or locally recorded (20 pts each)			0										
0 = 0 pts; <2 = 0.02 pts; 2 - <5 = 0.04 pts; 5 - <10 = 0.06 pts; 10 - <20 = 0.08pts; 20 or > = 0.1 pts			13										
Score			0.08										
CONSERVATION SIGNIFICANCE SCORE			1.08										
<div> <div>Total Scores for the Site</div> <table border="1"> <tr> <td>LANDSCAPE CONTEXT SCORE</td> <td>1.17</td> </tr> <tr> <td>VEGETATION CONDITION SCORE</td> <td>48.09</td> </tr> <tr> <td>CONSERVATION SIGNIFICANCE SCORE</td> <td>1.08</td> </tr> </table> </div> <div> <div>Vegetation Condition x Landscape Context x Conservation Significance =</div> <table border="1"> <tr> <td>UNIT BIODIVERSITY SCORE</td> <td>60.77</td> </tr> <tr> <td>Total Biodiversity Score (Biodiversity Score x hectares)</td> <td>20.05</td> </tr> </table> </div>				LANDSCAPE CONTEXT SCORE	1.17	VEGETATION CONDITION SCORE	48.09	CONSERVATION SIGNIFICANCE SCORE	1.08	UNIT BIODIVERSITY SCORE	60.77	Total Biodiversity Score (Biodiversity Score x hectares)	20.05
LANDSCAPE CONTEXT SCORE	1.17												
VEGETATION CONDITION SCORE	48.09												
CONSERVATION SIGNIFICANCE SCORE	1.08												
UNIT BIODIVERSITY SCORE	60.77												
Total Biodiversity Score (Biodiversity Score x hectares)	20.05												
Photo Point and Vegetation Survey Location		Direction of the Photo											
		south west											
		GPS Reference											
		Datum	GDA20										
		Zone (52, 53 or 54)											
		Easting (6 digits)	350320.98										
Northing (7 digits)	6729500												
Description		Representative photo of Vegetation Association 11											



## SEB Offset Calculations

### (for a proposed clearance site assessment)

SEB Points Required	
Loss Factor	1.0
Loadings for clearance of protected areas	
Reductions for rehabilitation of impact site	
SEB Uplift Factor	1.10
<b>Total SEB Points Required</b>	<b>22.06</b>

SEB - Payment	
SEB points of gain/ha Factor	7
Approximate SEB hectares required	3.15
Management Cost (\$/ha)	\$25,408
Economies of Scale Factor	0.11
Mean Annual rainfall for the site (mm)	186
Payment into the Fund (GST exclusive)	\$1,638.26
Administration fee (GST inclusive)	\$90.10
<b>Total Payment Required</b>	<b>\$1,728.36</b>



# Rangelands Assessment Scoresheet

(SEB Policy 1 Sept 2024; Scoresheet updated 1 July 2025)

Block (name)	300-367
Landscapes Region	South Australian Arid Lands
IBRA Sub Region	Murnpeowie
Property Name	DIT

ASSESSOR(S) (Insert Full Name/s)	Louise Jaunay
DATE OF ASSESSMENT	23-26/08/2024

## Map of the Block (Including the Sites)



## Landscape Context Scores

Number of Landform Features within Block	4
1 = 0.01pts, 2 = 0.03pts, >2 = 0.06pts	0.06
Size of the Block	43
<10ha = 0; 10 - <100ha = 0.01pts; 100 - <500ha = 0.02pts; 500 - <1000ha = 0.03pts; 1000 - <2000ha = 0.04pts; 2000 - 5000 = 0.05pts; >5000pts = 0.06pts	0.01
% native veg. protected in IBRA Sub region	1
0-2% = 0.05 pts; >2-5% = 0.04 pts; >5-10% = 0.03 pts; >10-25% = 0.02 pt; >25% = 0.01 pt	0.05

Note: Blocks will score a minimum Landscape Context Score of 1

Wetland or Riparian Habitat present	
Does the block contain a wetland feature (Yes/No)	
Permanent or semi permanent = 0.08 pt	No
Contains water for at least 6 months of the year	
Occasionally contains water = 0.05 pts	Yes
Contains water approximately once every 5 years	
Very occasionally contains water = 0.02 pts	Yes
Contains water approximately once every 20 years	
Score	0.05

LANDSCAPE CONTEXT SCORE (max 1.25)	1.17
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## OFFICIAL

[illegible]



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[illegible]



Vegetation Condition Scores				
SITE (name):		VA12	SIZE OF SITE (Ha)	0.394
VEGETATION ASSOCIATION DESCRIPTION		Tecticornia sp. +/- Frankenia sp. low shrubland with emergent		
LANDSCAPE TYPE		Drainage lines / floodouts		
SURFACE CHARACTER		Dominant	Cracking	Minor Stony
Biotic Disturbance Indicators		Dominant >50%	Minor <50%	None - 0
Sites with trees and large shrubs only (select one tickbox for each row)				Score
Presence of palatable shrubs or perennial grasses under the canopy of tree/shrub >3m		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Presence of mostly intact litter mats under canopy of tree/shrub >3m tall (>50% of tree canopy area has intertwined litter or shrub cover)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Score (Max 10 - weighted by 2.5)				5
Physical Disturbance Indicators		Dominant >50%	Minor <50%	None - 0
				Score
Prevalence of large patches of bare soil (> 5m x 5m) that shows no signs of productive capacity (ie ephemeral plant litter, stems etc.)		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Evidence of animal tracks, vehicle tracks or other physical disturbance to the natural land surface		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Destabilised creek channel banks (if present), characterised by no vegetation or stabilizing roots, deflation and bank erosion. Inspect banks on both sides of channels.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Score (Max 18 - weighted by 3)				9
Vegetation Stratum (tick the Present box for all stratum that are present or tick for Absent box of any stratum that should be present but have been removed)		Present	Absent	Note; don't tick either box if stratum was likely never present - e.g. Trees stratum in a low shrubland
Trees/shrubs >3m		<input type="checkbox"/>	<input type="checkbox"/>	
Shrubs 1- 3m		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Low shrubs <1m & hummock grasses		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Perennial tussock grasses with basal areas >30mm		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Total Score (Max 16 - weighted by 4)				12.0
Introduced Plant Species		Select	Score	
Declared species present?		No	2	
Introduced species dominate (>50% of vegetation cover)		<input type="checkbox"/>	1	
Moderate invasion of introduced species (5 to 50% of the vegetation cover)		<input checked="" type="checkbox"/>		
Very sparse to nil introduced species present (<5% of vegetation cover)		<input type="checkbox"/>		
Total Score (Max 10 - weighted by 2.5)				7.5
Vegetation Utilisation Score				
Total Score (Max 26)				15.71
Vegetation Condition Score Calculation				
VEGETATION CONDITION SCORE				49.21
<div> <div>LowMediumHigh</div> <div> <div>Vegetation Utilisation Score</div> <div>Introduced Plant Species Score</div> <div>Vegetation Stratum Score</div> <div>Physical Disturbance Indicator</div> <div>Biotic Disturbance Indicator</div> <div>Vegetation Condition Score</div> </div> </div>				



Conservation Significance Score																			
Is the vegetation association considered a Threatened Ecological community or Ecosystem?			Tick if Yes																
State (Provisional List of Threatened Ecosystems of SA) <b>Rare</b> community (0.1 pt)			<input type="checkbox"/>																
State (Provisional List of Threatened Ecosystems of SA) <b>Vulnerable</b> community (0.2 pts)			<input type="checkbox"/>																
State (Provisional List of Threatened Ecosystems of SA) <b>Endangered</b> community (0.3 pts)			<input type="checkbox"/>																
Nationally (EPBC Act) <b>Vulnerable</b> community (0.35 pts)			<input type="checkbox"/>																
Contains a Nationally (EPBC Act) <b>Endangered</b> or <b>Critically Endangered</b> community (0.4 pts)			<input type="checkbox"/>																
Note; all sites will score a minimum Conservation Significance Score of 1			Score 1																
Number of Threatened Plant Species recorded for within the <u>Site</u>			Number																
*If a species has both a State (NP&W Act) and National (EPBC Act) rating, it's only recorded for its National rating.																			
State <b>Rare</b> species recorded (1 pt each)			0																
State <b>Vulnerable</b> species recorded (2.5 pt each)			0																
State <b>Endangered</b> recorded (5 pts each)			0																
Nationally <b>Vulnerable</b> species recorded (10 pts each)			0																
Nationally <b>Endangered</b> or <b>Critically endangered</b> species recorded (20 pts each)			0																
0 = 0 pts; <2 = 0.04 pts; 2 - <5 = 0.08 pts; 5 - <10 = 0.12 pts; 10 - <20 = 0.16 pts; 20 or > = 0.2 pts			0																
Score			0																
Potential habitat for Threatened Animal Species (number observed or recorded) for the <u>Site</u>			Number																
*If a species has both a State (NP&W Act) and National (EPBC Act) rating, it's only recorded for its National rating.																			
State <b>Rare</b> species observed or locally recorded (1 pt each)			3																
State <b>Vulnerable</b> species observed or locally recorded (2.5 pt each)			0																
State <b>Endangered</b> species observed or locally recorded (5 pt each)			0																
Nationally <b>Vulnerable</b> species observed or locally recorded (10 pts each)			1																
Nationally <b>Endangered</b> or <b>Critically endangered</b> species observed or locally recorded (20 pts each)			0																
0 = 0 pts; <2 = 0.02 pts; 2 - <5 = 0.04 pts; 5 - <10 = 0.06 pts; 10 - <20 = 0.08pts; 20 or > = 0.1 pts			13																
Score			0.08																
CONSERVATION SIGNIFICANCE SCORE			1.08																
<table border="1"> <thead> <tr> <th colspan="2">Total Scores for the Site</th> <th colspan="2">Vegetation Condition x Landscape Context x Conservation Significance =</th> </tr> </thead> <tbody> <tr> <td>LANDSCAPE CONTEXT SCORE</td> <td>1.17</td> <td>UNIT BIODIVERSITY SCORE</td> <td>62.18</td> </tr> <tr> <td>VEGETATION CONDITION SCORE</td> <td>49.21</td> <td>Total Biodiversity Score</td> <td></td> </tr> <tr> <td>CONSERVATION SIGNIFICANCE SCORE</td> <td>1.08</td> <td>(Biodiversity Score x hectares)</td> <td>24.50</td> </tr> </tbody> </table>				Total Scores for the Site		Vegetation Condition x Landscape Context x Conservation Significance =		LANDSCAPE CONTEXT SCORE	1.17	UNIT BIODIVERSITY SCORE	62.18	VEGETATION CONDITION SCORE	49.21	Total Biodiversity Score		CONSERVATION SIGNIFICANCE SCORE	1.08	(Biodiversity Score x hectares)	24.50
Total Scores for the Site		Vegetation Condition x Landscape Context x Conservation Significance =																	
LANDSCAPE CONTEXT SCORE	1.17	UNIT BIODIVERSITY SCORE	62.18																
VEGETATION CONDITION SCORE	49.21	Total Biodiversity Score																	
CONSERVATION SIGNIFICANCE SCORE	1.08	(Biodiversity Score x hectares)	24.50																
Photo Point and Vegetation Survey Location		Direction of the Photo																	
		north																	
		GPS Reference																	
		Datum	GDA20																
		Zone (52, 53 or 54)																	
		Easting (6 digits)	346942.24																
Northing (7 digits)	6729745.28																		
Description		Representative photo of Vegetation Association 12																	



## SEB Offset Calculations

### (for a proposed clearance site assessment)

SEB Points Required	
Loss Factor	1.0
Loadings for clearance of protected areas	
Reductions for rehabilitation of impact site	
SEB Uplift Factor	1.10
<b>Total SEB Points Required</b>	<b>26.95</b>

SEB - Payment	
SEB points of gain/ha Factor	7
Approximate SEB hectares required	3.85
Management Cost (\$/ha)	\$25,408
Economies of Scale Factor	0.11
Mean Annual rainfall for the site (mm)	186
Payment into the Fund (GST exclusive)	\$2,001.41
Administration fee (GST inclusive)	\$110.08
<b>Total Payment Required</b>	<b>\$2,111.49</b>



# Rangelands Assessment Scoresheet

(SEB Policy 1 Sept 2024; Scoresheet updated 1 July 2025)

Block (name)	300-367
Landscapes Region	South Australian Arid Lands
IBRA Sub Region	Murnpeowie
Property Name	DIT

ASSESSOR(S) (Insert Full Name/s)	Louise Jaunay
DATE OF ASSESSMENT	23-26/08/2024

## Map of the Block (Including the Sites)



## Landscape Context Scores

Number of Landform Features within Block	4
1 = 0.01pts, 2 = 0.03pts, >2 = 0.06pts	0.06
Size of the Block	43
<10ha = 0; 10 - <100ha = 0.01pts; 100 - <500ha = 0.02pts; 500 - <1000ha = 0.03pts; 1000 - <2000ha = 0.04pts; 2000 - 5000 = 0.05pts; >5000pts = 0.06pts	0.01
% native veg. protected in IBRA Sub region	1
0-2% = 0.05 pts; >2-5% = 0.04 pts; >5-10% = 0.03 pts; >10-25% = 0.02 pt; >25% = 0.01 pt	0.05

### Wetland or Riparian Habitat present

Does the block contain a wetland feature (Yes/No)

Permanent or semi permanent = 0.08 pt

Contains water for at least 6 months of the year

Occasionally contains water = 0.05 pts

Contains water approximately once every 5 years

Very occasionally contains water = 0.02 pts

Contains water approximately once every 20 years

Score 0.05

Note: Blocks will score a minimum Landscape Context Score of 1

LANDSCAPE CONTEXT SCORE (max 1.25) 1.17



## OFFICIAL

[illegible]



[illegible]




[illegible]



Vegetation Condition Scores				
SITE (name):		VA13	SIZE OF SITE (Ha)	0.52
VEGETATION ASSOCIATION DESCRIPTION		Eremophila spp. open shrubland over Maireana spp.		
LANDSCAPE TYPE		Ranges and hill slopes		
SURFACE CHARACTER		Dominant	Stony	Minor
Biotic Disturbance Indicators		Dominant >50%	Minor <50%	None - 0
Sites with trees and large shrubs only (select one tickbox for each row)				Score
Presence of palatable shrubs or perennial grasses under the canopy of tree/shrub >3m		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Presence of mostly intact litter mats under canopy of tree/shrub >3m tall (>50% of tree canopy area has intertwined litter or shrub cover)		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Total Score (Max 10 - weighted by 2.5)				5
Physical Disturbance Indicators		Dominant >50%	Minor <50%	None - 0
				Score
Prevalence of large patches of bare soil (> 5m x 5m) that shows no signs of productive capacity (ie ephemeral plant litter, stems etc.)		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Evidence of animal tracks, vehicle tracks or other physical disturbance to the natural land surface		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Destabilised creek channel banks (if present), characterised by no vegetation or stabilizing roots, deflation and bank erosion. Inspect banks on both sides of channels.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Score (Max 18 - weighted by 3)				9
Vegetation Stratum (tick the Present box for all stratum that are present or tick for Absent box of any stratum that should be present but have been removed)		Present	Absent	Note; don't tick either box if stratum was likely never present - e.g. Trees stratum in a low shrubland
Trees/shrubs >3m		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Shrubs 1- 3m		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Low shrubs <1m & hummock grasses		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Perennial tussock grasses with basal areas >30mm		<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Total Score (Max 16 - weighted by 4)				10.0
Introduced Plant Species		Select	Score	
Declared species present?		No	2	
Introduced species dominate (>50% of vegetation cover)		<input type="checkbox"/>	2	
Moderate invasion of introduced species (5 to 50% of the vegetation cover)		<input type="checkbox"/>		
Very sparse to nil introduced species present (<5% of vegetation cover)		<input checked="" type="checkbox"/>		
Total Score (Max 10 - weighted by 2.5)				10
Vegetation Utilisation Score				
Total Score (Max 26)				15.08
Vegetation Condition Score Calculation				
VEGETATION CONDITION SCORE				49.08
<div> <div>LowMediumHigh</div> <div> <div>Vegetation Utilisation Score</div> <div>Introduced Plant Species Score</div> <div>Vegetation Stratum Score</div> <div>Physical Disturbance Indicator</div> <div>Biotic Disturbance Indicator</div> <div>Vegetation Condition Score</div> </div> </div>				



Conservation Significance Score			
Is the vegetation association considered a Threatened Ecological community or Ecosystem?			Tick if Yes
State (Provisional List of Threatened Ecosystems of SA) <b>Rare</b> community (0.1 pt)			<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Vulnerable</b> community (0.2 pts)			<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Endangered</b> community (0.3 pts)			<input type="checkbox"/>
Nationally (EPBC Act) <b>Vulnerable</b> community (0.35 pts)			<input type="checkbox"/>
Contains a Nationally (EPBC Act) <b>Endangered</b> or <b>Critically Endangered</b> community (0.4 pts)			<input type="checkbox"/>
Note: all sites will score a minimum Conservation Significance Score of 1			Score 1
Number of Threatened Plant Species recorded for within the <u>Site</u>			Number
*If a species has both a State (NP&W Act) and National (EPBC Act) rating, it's only recorded for its National rating.			
State <b>Rare</b> species recorded (1 pt each)			0
State <b>Vulnerable</b> species recorded (2.5 pt each)			0
State <b>Endangered</b> recorded (5 pts each)			0
Nationally <b>Vulnerable</b> species recorded (10 pts each)			0
Nationally <b>Endangered</b> or <b>Critically endangered</b> species recorded (20 pts each)			0
0 = 0 pts; <2 = 0.04 pts; 2 - <5 = 0.08 pts; 5 - <10 = 0.12 pts; 10 - <20 = 0.16 pts; 20 or > = 0.2 pts			0
Score			0
Potential habitat for Threatened Animal Species (number observed or recorded) for the <u>Site</u>			Number
*If a species has both a State (NP&W Act) and National (EPBC Act) rating, it's only recorded for its National rating.			
State <b>Rare</b> species observed or locally recorded (1 pt each)			3
State <b>Vulnerable</b> species observed or locally recorded (2.5 pt each)			0
State <b>Endangered</b> species observed or locally recorded (5 pt each)			0
Nationally <b>Vulnerable</b> species observed or locally recorded (10 pts each)			1
Nationally <b>Endangered</b> or <b>Critically endangered</b> species observed or locally recorded (20 pts each)			0
0 = 0 pts; <2 = 0.02 pts; 2 - <5 = 0.04 pts; 5 - <10 = 0.06 pts; 10 - <20 = 0.08pts; 20 or > = 0.1 pts			13
Score			0.08
CONSERVATION SIGNIFICANCE SCORE			1.08
Total Scores for the Site			
LANDSCAPE CONTEXT SCORE		1.17	Vegetation Condition x Landscape Context x Conservation Significance = <b>UNIT BIODIVERSITY SCORE</b> 62.02 <b>Total Biodiversity Score</b> (Biodiversity Score x hectares) 32.25
VEGETATION CONDITION SCORE		49.08	
CONSERVATION SIGNIFICANCE SCORE		1.08	
Photo Point and Vegetation Survey Location		Direction of the Photo	
		north west	
		GPS Reference	
		Datum	GDA20
		Zone (52, 53 or 54)	
		Easting (6 digits)	341736.99
		Northing (7 digits)	6728109.11
Description		Representative photo of Vegetation Association 13	



## SEB Offset Calculations

### (for a proposed clearance site assessment)

SEB Points Required	
Loss Factor	1.0
Loadings for clearance of protected areas	
Reductions for rehabilitation of impact site	
SEB Uplift Factor	1.10
<b>Total SEB Points Required</b>	<b>35.48</b>

SEB - Payment	
SEB points of gain/ha Factor	7
Approximate SEB hectares required	5.07
Management Cost (\$/ha)	\$25,408
Economies of Scale Factor	0.11
Mean Annual rainfall for the site (mm)	186
Payment into the Fund (GST exclusive)	\$2,634.89
Administration fee (GST inclusive)	\$144.92
<b>Total Payment Required</b>	<b>\$2,779.81</b>



# Rangelands Assessment Scoresheet

(SEB Policy 1 Sept 2024; Scoresheet updated 1 July 2025)

Block (name)	300-367
Landscapes Region	South Australian Arid Lands
IBRA Sub Region	Murnpeowie
Property Name	DIT

ASSESSOR(S) (Insert Full Name/s)	Louise Jaunay
DATE OF ASSESSMENT	23-26/08/2024

## Map of the Block (Including the Sites)



## Landscape Context Scores

Number of Landform Features within Block	4
1 = 0.01pts, 2 = 0.03pts, >2 = 0.06pts	0.06
Size of the Block	43
<10ha = 0; 10 - <100ha = 0.01pts; 100 - <500ha = 0.02pts; 500 - <1000ha = 0.03pts; 1000 - <2000ha = 0.04pts; 2000 - 5000 = 0.05pts; >5000pts = 0.06pts	0.01
% native veg. protected in IBRA Sub region	1
0-2% = 0.05 pts; >2-5% = 0.04 pts; >5-10% = 0.03 pts; >10-25% = 0.02 pt; >25% = 0.01 pt	0.05

### Wetland or Riparian Habitat present

Does the block contain a wetland feature (Yes/No)

Permanent or semi permanent = 0.08 pt

No

Contains water for at least 6 months of the year

Occasionally contains water = 0.05 pts

Yes

Contains water approximately once every 5 years

Very occasionally contains water = 0.02 pts

Yes

Contains water approximately once every 20 years

Score

0.05

Note: Blocks will score a minimum Landscape Context Score of 1

**LANDSCAPE CONTEXT SCORE (max 1.25)**
**1.17**



## OFFICIAL

[illegible]








[illegible]



Vegetation Condition Scores				
SITE (name):		VA14	SIZE OF SITE (Ha)	3.4
VEGETATION ASSOCIATION DESCRIPTION		Maireana aphylla low shrubland		
LANDSCAPE TYPE		Plain – level		
SURFACE CHARACTER		Dominant	Minor	Cracking
Stony				
<b>Biotic Disturbance Indicators</b>				
Sites with trees and large shrubs only (select one tickbox for each row)		Dominant >50%	Minor <50%	None - 0
Score				
Presence of palatable shrubs or perennial grasses under the canopy of tree/shrub >3m		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1				
Presence of mostly intact litter mats under canopy of tree/shrub >3m tall (>50% of tree canopy area has intertwined litter or shrub cover)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1				
Total Score (Max 10 - weighted by 2.5)				5
<b>Physical Disturbance Indicators</b>				
		Dominant >50%	Minor <50%	None - 0
Score				
Prevalence of large patches of bare soil (> 5m x 5m) that shows no signs of productive capacity (ie ephemeral plant litter, stems etc.)		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1				
Evidence of animal tracks, vehicle tracks or other physical disturbance to the natural land surface		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1				
Destabilised creek channel banks (if present), characterised by no vegetation or stabilizing roots, deflation and bank erosion. Inspect banks on both sides of channels.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1				
Total Score (Max 18 - weighted by 3)				9
<b>Vegetation Stratum</b> (tick the Present box for all stratum that are present or tick for Absent box of any stratum that should be present but have been removed)				
		Present	Absent	Note; don't tick either box if stratum was likely never present - e.g. Trees stratum in a low shrubland
Trees/shrubs >3m		<input type="checkbox"/>	<input type="checkbox"/>	
Shrubs 1- 3m		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Low shrubs <1m & hummock grasses		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Perennial tussock grasses with basal areas >30mm		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Total Score (Max 16 - weighted by 4)				12.0
<b>Introduced Plant Species</b>				
		Select	Score	
Declared species present?		No	2	
Introduced species dominate (>50% of vegetation cover)		<input type="checkbox"/>	2	
Moderate invasion of introduced species (5 to 50% of the vegetation cover)		<input type="checkbox"/>		
Very sparse to nil introduced species present (<5% of vegetation cover)		<input checked="" type="checkbox"/>		
Total Score (Max 10 - weighted by 2.5)				10
<b>Vegetation Utilisation Score</b>				
Total Score (Max 26)				14.21
<b>Vegetation Condition Score Calculation</b>				
VEGETATION CONDITION SCORE				50.21
<div> <div>Low</div> <div>Medium</div> <div>High</div> </div> <div> <div>Vegetation Utilisation Score</div> <div>Introduced Plant Species Score</div> <div>Vegetation Stratum Score</div> <div>Physical Disturbance Indicator</div> <div>Biotic Disturbance Indicator</div> <div>Vegetation Condition Score</div> </div>				



Conservation Significance Score			
Is the vegetation association considered a Threatened Ecological community or Ecosystem?			Tick if Yes
State (Provisional List of Threatened Ecosystems of SA) <b>Rare</b> community (0.1 pt)			<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Vulnerable</b> community (0.2 pts)			<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Endangered</b> community (0.3 pts)			<input type="checkbox"/>
Nationally (EPBC Act) <b>Vulnerable</b> community (0.35 pts)			<input type="checkbox"/>
Contains a Nationally (EPBC Act) <b>Endangered</b> or <b>Critically Endangered</b> community (0.4 pts)			<input type="checkbox"/>
Note: all sites will score a minimum Conservation Significance Score of 1			Score 1
Number of Threatened Plant Species recorded for within the <u>Site</u>			Number
*If a species has both a State (NP&W Act) and National (EPBC Act) rating, it's only recorded for its National rating.			
State <b>Rare</b> species recorded (1 pt each)			0
State <b>Vulnerable</b> species recorded (2.5 pt each)			0
State <b>Endangered</b> recorded (5 pts each)			0
Nationally <b>Vulnerable</b> species recorded (10 pts each)			0
Nationally <b>Endangered</b> or <b>Critically endangered</b> species recorded (20 pts each)			0
0 = 0 pts; <2 = 0.04 pts; 2 - <5 = 0.08 pts; 5 - <10 = 0.12 pts; 10 - <20 = 0.16 pts; 20 or > = 0.2 pts			0
Score			0
Potential habitat for Threatened Animal Species (number observed or recorded) for the <u>Site</u>			Number
*If a species has both a State (NP&W Act) and National (EPBC Act) rating, it's only recorded for its National rating.			
State <b>Rare</b> species observed or locally recorded (1 pt each)			3
State <b>Vulnerable</b> species observed or locally recorded (2.5 pt each)			0
State <b>Endangered</b> species observed or locally recorded (5 pt each)			0
Nationally <b>Vulnerable</b> species observed or locally recorded (10 pts each)			1
Nationally <b>Endangered</b> or <b>Critically endangered</b> species observed or locally recorded (20 pts each)			0
0 = 0 pts; <2 = 0.02 pts; 2 - <5 = 0.04 pts; 5 - <10 = 0.06 pts; 10 - <20 = 0.08pts; 20 or > = 0.1 pts			13
Score			0.08
CONSERVATION SIGNIFICANCE SCORE			1.08
Total Scores for the Site			
LANDSCAPE CONTEXT SCORE		1.17	Vegetation Condition x Landscape Context x Conservation Significance = <b>UNIT BIODIVERSITY SCORE</b> 63.45 <b>Total Biodiversity Score</b> (Biodiversity Score x hectares) 215.73
VEGETATION CONDITION SCORE		50.21	
CONSERVATION SIGNIFICANCE SCORE		1.08	
Photo Point and Vegetation Survey Location		Direction of the Photo	
		south	
		GPS Reference	
		Datum	GDA20
		Zone (52, 53 or 54)	
		Easting (6 digits)	340933.77
		Northing (7 digits)	6727825.94
Description		Representative photo of Vegetation Association 14	



## SEB Offset Calculations

### (for a proposed clearance site assessment)

SEB Points Required	
Loss Factor	1.0
Loadings for clearance of protected areas	
Reductions for rehabilitation of impact site	
SEB Uplift Factor	1.10
<b>Total SEB Points Required</b>	<b>237.30</b>

SEB - Payment	
SEB points of gain/ha Factor	7
Approximate SEB hectares required	33.90
Management Cost (\$/ha)	\$25,408
Economies of Scale Factor	0.11
Mean Annual rainfall for the site (mm)	186
Payment into the Fund (GST exclusive)	\$17,622.84
Administration fee (GST inclusive)	\$969.26
<b>Total Payment Required</b>	<b>\$18,592.10</b>



# Rangelands Assessment Scoresheet

(SEB Policy 1 Sept 2024; Scoresheet updated 1 July 2025)

Block (name)	300-367
Landscapes Region	South Australian Arid Lands
IBRA Sub Region	Murnpeowie
Property Name	DIT

ASSESSOR(S) (Insert Full Name/s)	Louise Jaunay
DATE OF ASSESSMENT	23-26/08/2024

## Map of the Block (Including the Sites)



## Landscape Context Scores

Number of Landform Features within Block	4
1 = 0.01pts, 2 = 0.03pts, >2 = 0.06pts	0.06
Size of the Block	43
<10ha = 0; 10 - <100ha = 0.01pts; 100 - <500ha = 0.02pts; 500 - <1000ha = 0.03pts; 1000 - <2000ha = 0.04pts; 2000 - 5000 = 0.05pts; >5000pts = 0.06pts	0.01
% native veg. protected in IBRA Sub region	1
0-2% = 0.05 pts; >2-5% = 0.04 pts; >5-10% = 0.03 pts; >10-25% = 0.02 pt; >25% = 0.01 pt	0.05

### Wetland or Riparian Habitat present

Does the block contain a wetland feature (Yes/No)

Permanent or semi permanent = 0.08 pt

No

Contains water for at least 6 months of the year

Occasionally contains water = 0.05 pts

Yes

Contains water approximately once every 5 years

Very occasionally contains water = 0.02 pts

Yes

Contains water approximately once every 20 years

Score

0.05

Note: Blocks will score a minimum Landscape Context Score of 1

**LANDSCAPE CONTEXT SCORE (max 1.25)**
**1.17**



## OFFICIAL

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Vegetation Condition Scores				
SITE (name):		VA15	SIZE OF SITE (Ha)	0.091
VEGETATION ASSOCIATION DESCRIPTION		Maireana pyramidata +/- Zygophyllum sp. low shrubland		
LANDSCAPE TYPE		Ranges and hill slopes		
SURFACE CHARACTER		Dominant	Stony	Minor
Biotic Disturbance Indicators		Dominant >50%	Minor <50%	None - 0
Sites with trees and large shrubs only (select one tickbox for each row)				Score
Presence of palatable shrubs or perennial grasses under the canopy of tree/shrub >3m		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Presence of mostly intact litter mats under canopy of tree/shrub >3m tall (>50% of tree canopy area has intertwined litter or shrub cover)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Score (Max 10 - weighted by 2.5)				5
Physical Disturbance Indicators		Dominant >50%	Minor <50%	None - 0
				Score
Prevalence of large patches of bare soil (> 5m x 5m) that shows no signs of productive capacity (ie ephemeral plant litter, stems etc.)		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Evidence of animal tracks, vehicle tracks or other physical disturbance to the natural land surface		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Destabilised creek channel banks (if present), characterised by no vegetation or stabilizing roots, deflation and bank erosion. Inspect banks on both sides of channels.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Score (Max 18 - weighted by 3)				9
Vegetation Stratum (tick the Present box for all stratum that are present or tick for Absent box of any stratum that should be present but have been removed)		Present	Absent	Note; don't tick either box if stratum was likely never present - e.g. Trees stratum in a low shrubland
Trees/shrubs >3m		<input type="checkbox"/>	<input type="checkbox"/>	
Shrubs 1- 3m		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Low shrubs <1m & hummock grasses		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Perennial tussock grasses with basal areas >30mm		<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Total Score (Max 16 - weighted by 4)				6.0
Introduced Plant Species		Select	Score	
Declared species present?		No	2	
Introduced species dominate (>50% of vegetation cover)		<input type="checkbox"/>	2	
Moderate invasion of introduced species (5 to 50% of the vegetation cover)		<input type="checkbox"/>		
Very sparse to nil introduced species present (<5% of vegetation cover)		<input checked="" type="checkbox"/>		
Total Score (Max 10 - weighted by 2.5)				10
Vegetation Utilisation Score				
Total Score (Max 26)				14.33
Vegetation Condition Score Calculation				
VEGETATION CONDITION SCORE				44.33
<div> <div>LowMediumHigh</div> <div> <div>Vegetation Utilisation Score</div> <div>Introduced Plant Species Score</div> <div>Vegetation Stratum Score</div> <div>Physical Disturbance Indicator</div> <div>Biotic Disturbance Indicator</div> <div>Vegetation Condition Score</div> </div> </div>				



Conservation Significance Score			
Is the vegetation association considered a Threatened Ecological community or Ecosystem?			Tick if Yes
State (Provisional List of Threatened Ecosystems of SA) <b>Rare</b> community (0.1 pt)			<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Vulnerable</b> community (0.2 pts)			<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Endangered</b> community (0.3 pts)			<input type="checkbox"/>
Nationally (EPBC Act) <b>Vulnerable</b> community (0.35 pts)			<input type="checkbox"/>
Contains a Nationally (EPBC Act) <b>Endangered</b> or <b>Critically Endangered</b> community (0.4 pts)			<input type="checkbox"/>
Note: all sites will score a minimum Conservation Significance Score of 1			Score 1
Number of Threatened Plant Species recorded for within the <u>Site</u>			Number
*If a species has both a State (NP&W Act) and National (EPBC Act) rating, it's only recorded for its National rating.			
State <b>Rare</b> species recorded (1 pt each)			0
State <b>Vulnerable</b> species recorded (2.5 pt each)			0
State <b>Endangered</b> recorded (5 pts each)			0
Nationally <b>Vulnerable</b> species recorded (10 pts each)			0
Nationally <b>Endangered</b> or <b>Critically endangered</b> species recorded (20 pts each)			0
0 = 0 pts; <2 = 0.04 pts; 2 - <5 = 0.08 pts; 5 - <10 = 0.12 pts; 10 - <20 = 0.16 pts; 20 or > = 0.2 pts			0
Score			0
Potential habitat for Threatened Animal Species (number observed or recorded) for the <u>Site</u>			Number
*If a species has both a State (NP&W Act) and National (EPBC Act) rating, it's only recorded for its National rating.			
State <b>Rare</b> species observed or locally recorded (1 pt each)			3
State <b>Vulnerable</b> species observed or locally recorded (2.5 pt each)			0
State <b>Endangered</b> species observed or locally recorded (5 pt each)			0
Nationally <b>Vulnerable</b> species observed or locally recorded (10 pts each)			1
Nationally <b>Endangered</b> or <b>Critically endangered</b> species observed or locally recorded (20 pts each)			0
0 = 0 pts; <2 = 0.02 pts; 2 - <5 = 0.04 pts; 5 - <10 = 0.06 pts; 10 - <20 = 0.08pts; 20 or > = 0.1 pts			13
Score			0.08
CONSERVATION SIGNIFICANCE SCORE			1.08
Total Scores for the Site			
LANDSCAPE CONTEXT SCORE		1.17	Vegetation Condition x Landscape Context x Conservation Significance = <b>UNIT BIODIVERSITY SCORE</b> 56.02 <b>Total Biodiversity Score</b> (Biodiversity Score x hectares) 5.10
VEGETATION CONDITION SCORE		44.33	
CONSERVATION SIGNIFICANCE SCORE		1.08	
Photo Point and Vegetation Survey Location		Direction of the Photo	
		southeast	
		GPS Reference	
		Datum	GDA20
		Zone (52, 53 or 54)	
		Easting (6 digits)	334891.81
		Northing (7 digits)	6726258.34
Description		Representative photo of Vegetation Association 15	



## SEB Offset Calculations

### (for a proposed clearance site assessment)

SEB Points Required	
Loss Factor	1.0
Loadings for clearance of protected areas	
Reductions for rehabilitation of impact site	
SEB Uplift Factor	1.10
<b>Total SEB Points Required</b>	<b>5.61</b>

SEB - Payment	
SEB points of gain/ha Factor	7
Approximate SEB hectares required	0.80
Management Cost (\$/ha)	\$25,408
Economies of Scale Factor	0.11
Mean Annual rainfall for the site (mm)	186
Payment into the Fund (GST exclusive)	\$416.62
Administration fee (GST inclusive)	\$22.91
<b>Total Payment Required</b>	<b>\$439.53</b>



# Rangelands Assessment Scoresheet

(SEB Policy 1 Sept 2024; Scoresheet updated 1 July 2025)

Block (name)	300-367
Landscapes Region	South Australian Arid Lands
IBRA Sub Region	Murnpeowie
Property Name	DIT

ASSESSOR(S) (Insert Full Name/s)	Louise Jaunay
DATE OF ASSESSMENT	23-26/08/2024

## Map of the Block (Including the Sites)



## Landscape Context Scores

Number of Landform Features within Block	4
1 = 0.01pts, 2 = 0.03pts, >2 = 0.06pts	0.06
Size of the Block	43
<10ha = 0; 10 - <100ha = 0.01pts; 100 - <500ha = 0.02pts; 500 - <1000ha = 0.03pts; 1000 - <2000ha = 0.04pts; 2000 - 5000 = 0.05pts; >5000pts = 0.06pts	0.01
% native veg. protected in IBRA Sub region	1
0-2% = 0.05 pts; >2-5% = 0.04 pts; >5-10% = 0.03 pts; >10-25% = 0.02 pt; >25% = 0.01 pt	0.05

### Wetland or Riparian Habitat present

Does the block contain a wetland feature (Yes/No)

Permanent or semi permanent = 0.08 pt

Contains water for at least 6 months of the year

Occasionally contains water = 0.05 pts

Contains water approximately once every 5 years

Very occasionally contains water = 0.02 pts

Contains water approximately once every 20 years

Score 0.05

Note: Blocks will score a minimum Landscape Context Score of 1

LANDSCAPE CONTEXT SCORE (max 1.25) 1.17



## OFFICIAL

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[illegible]



Vegetation Condition Scores				
SITE (name):		VA16	SIZE OF SITE (Ha)	0.266
VEGETATION ASSOCIATION DESCRIPTION		Acacia salicina +/- Santalum lanceolatum shrubland over Mair		
LANDSCAPE TYPE		Drainage lines / floodouts		
SURFACE CHARACTER		Dominant	Cracking	Minor Stony
Biotic Disturbance Indicators		Dominant >50%	Minor <50%	None - 0
Sites with trees and large shrubs only (select one tickbox for each row)				Score
Presence of palatable shrubs or perennial grasses under the canopy of tree/shrub >3m		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Presence of mostly intact litter mats under canopy of tree/shrub >3m tall (>50% of tree canopy area has intertwined litter or shrub cover)		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Total Score (Max 10 - weighted by 2.5)				5
Physical Disturbance Indicators		Dominant >50%	Minor <50%	None - 0
				Score
Prevalence of large patches of bare soil (> 5m x 5m) that shows no signs of productive capacity (ie ephemeral plant litter, stems etc.)		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Evidence of animal tracks, vehicle tracks or other physical disturbance to the natural land surface		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Destabilised creek channel banks (if present), characterised by no vegetation or stabilizing roots, deflation and bank erosion. Inspect banks on both sides of channels.		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Total Score (Max 18 - weighted by 3)				6
Vegetation Stratum (tick the Present box for all stratum that are present or tick for Absent box of any stratum that should be present but have been removed)		Present	Absent	Note; don't tick either box if stratum was likely never present - e.g. Trees stratum in a low shrubland
Trees/shrubs >3m		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Shrubs 1- 3m		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Low shrubs <1m & hummock grasses		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Perennial tussock grasses with basal areas >30mm		<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Total Score (Max 16 - weighted by 4)				10.0
Introduced Plant Species		Select	Score	
Declared species present?		No	2	
Introduced species dominate (>50% of vegetation cover)		<input type="checkbox"/>	1	
Moderate invasion of introduced species (5 to 50% of the vegetation cover)		<input checked="" type="checkbox"/>		
Very sparse to nil introduced species present (<5% of vegetation cover)		<input type="checkbox"/>		
Total Score (Max 10 - weighted by 2.5)				7.5
Vegetation Utilisation Score				
Total Score (Max 26)				15.40
Vegetation Condition Score Calculation				
VEGETATION CONDITION SCORE				43.90
<div> <div>LowMediumHigh</div> <div> <div>Vegetation Utilisation Score</div> <div>Introduced Plant Species Score</div> <div>Vegetation Stratum Score</div> <div>Physical Disturbance Indicator</div> <div>Biotic Disturbance Indicator</div> <div>Vegetation Condition Score</div> </div> </div>				



Conservation Significance Score			
Is the vegetation association considered a Threatened Ecological community or Ecosystem?			Tick if Yes
State (Provisional List of Threatened Ecosystems of SA) <b>Rare</b> community (0.1 pt)			<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Vulnerable</b> community (0.2 pts)			<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Endangered</b> community (0.3 pts)			<input type="checkbox"/>
Nationally (EPBC Act) <b>Vulnerable</b> community (0.35 pts)			<input type="checkbox"/>
Contains a Nationally (EPBC Act) <b>Endangered</b> or <b>Critically Endangered</b> community (0.4 pts)			<input type="checkbox"/>
Note: all sites will score a minimum Conservation Significance Score of 1			Score 1
Number of Threatened Plant Species recorded for within the <u>Site</u>			Number
*If a species has both a State (NP&W Act) and National (EPBC Act) rating, it's only recorded for its National rating.			
State <b>Rare</b> species recorded (1 pt each)			0
State <b>Vulnerable</b> species recorded (2.5 pt each)			0
State <b>Endangered</b> recorded (5 pts each)			0
Nationally <b>Vulnerable</b> species recorded (10 pts each)			0
Nationally <b>Endangered</b> or <b>Critically endangered</b> species recorded (20 pts each)			0
0 = 0 pts; <2 = 0.04 pts; 2 - <5 = 0.08 pts; 5 - <10 = 0.12 pts; 10 - <20 = 0.16 pts; 20 or > = 0.2 pts			0
Score			0
Potential habitat for Threatened Animal Species (number observed or recorded) for the <u>Site</u>			Number
*If a species has both a State (NP&W Act) and National (EPBC Act) rating, it's only recorded for its National rating.			
State <b>Rare</b> species observed or locally recorded (1 pt each)			3
State <b>Vulnerable</b> species observed or locally recorded (2.5 pt each)			0
State <b>Endangered</b> species observed or locally recorded (5 pt each)			0
Nationally <b>Vulnerable</b> species observed or locally recorded (10 pts each)			1
Nationally <b>Endangered</b> or <b>Critically endangered</b> species observed or locally recorded (20 pts each)			0
0 = 0 pts; <2 = 0.02 pts; 2 - <5 = 0.04 pts; 5 - <10 = 0.06 pts; 10 - <20 = 0.08pts; 20 or > = 0.1 pts			13
Score			0.08
CONSERVATION SIGNIFICANCE SCORE			1.08
Total Scores for the Site			
LANDSCAPE CONTEXT SCORE		1.17	Vegetation Condition x Landscape Context x Conservation Significance = <b>UNIT BIODIVERSITY SCORE</b> 55.47 <b>Total Biodiversity Score</b> (Biodiversity Score x hectares) 14.76
VEGETATION CONDITION SCORE		43.90	
CONSERVATION SIGNIFICANCE SCORE		1.08	
Photo Point and Vegetation Survey Location		Direction of the Photo	
		north	
		GPS Reference	
		Datum	GDA20
		Zone (52, 53 or 54)	
		Easting (6 digits)	333317.97
		Northing (7 digits)	6725644.17
Description		Representative photo of Vegetation Association 16	



## SEB Offset Calculations

### (for a proposed clearance site assessment)

SEB Points Required	
Loss Factor	1.0
Loadings for clearance of protected areas	
Reductions for rehabilitation of impact site	
SEB Uplift Factor	1.10
<b>Total SEB Points Required</b>	<b>16.24</b>

SEB - Payment	
SEB points of gain/ha Factor	7
Approximate SEB hectares required	2.32
Management Cost (\$/ha)	\$25,408
Economies of Scale Factor	0.11
Mean Annual rainfall for the site (mm)	186
Payment into the Fund (GST exclusive)	\$1,206.05
Administration fee (GST inclusive)	\$66.33
<b>Total Payment Required</b>	<b>\$1,272.38</b>



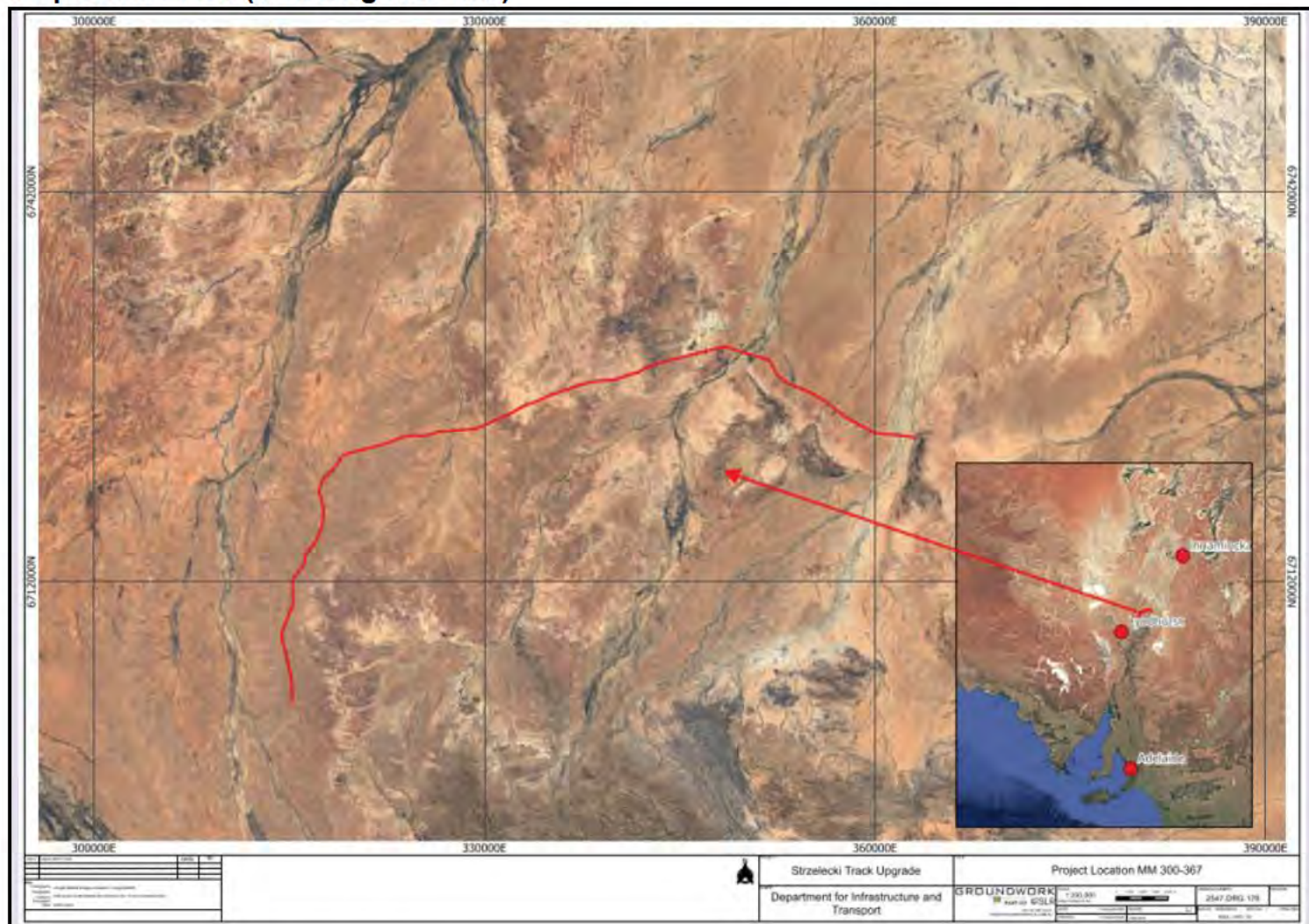
# Rangelands Assessment Scoresheet

(SEB Policy 1 Sept 2024; Scoresheet updated 1 July 2025)

Block (name)	300-367
Landscapes Region	South Australian Arid Lands
IBRA Sub Region	Murnpeowie
Property Name	DIT

ASSESSOR(S) (Insert Full Name/s)	Louise Jaunay
DATE OF ASSESSMENT	23-26/08/2024

## Map of the Block (Including the Sites)



## Landscape Context Scores

Number of Landform Features within Block	4
1 = 0.01pts, 2 = 0.03pts, >2 = 0.06pts	0.06
Size of the Block	43
<10ha = 0; 10 - <100ha = 0.01pts; 100 - <500ha = 0.02pts; 500 - <1000ha = 0.03pts; 1000 - <2000ha = 0.04pts; 2000 - 5000 = 0.05pts; >5000pts = 0.06pts	0.01
% native veg. protected in IBRA Sub region	1
0-2% = 0.05 pts; >2-5% = 0.04 pts; >5-10% = 0.03 pts; >10-25% = 0.02 pt; >25% = 0.01 pt	0.05

### Wetland or Riparian Habitat present

Does the block contain a wetland feature (Yes/No)

Permanent or semi permanent = 0.08 pt

No

Contains water for at least 6 months of the year

Occasionally contains water = 0.05 pts

Yes

Contains water approximately once every 5 years

Very occasionally contains water = 0.02 pts

Yes

Contains water approximately once every 20 years

Score

0.05

Note: Blocks will score a minimum Landscape Context Score of 1

LANDSCAPE CONTEXT SCORE (max 1.25)

1.17



## OFFICIAL

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[illegible]



Vegetation Condition Scores				
SITE (name):		VA17	SIZE OF SITE (Ha)	1.167
VEGETATION ASSOCIATION DESCRIPTION		Maireana spp. +/- Sida petrophila low shrubland with emergent		
LANDSCAPE TYPE		Plain – undulating		
SURFACE CHARACTER		Dominant	Minor	
Stony				
<b>Biotic Disturbance Indicators</b>				
Sites with trees and large shrubs only (select one tickbox for each row)		Dominant >50%	Minor <50%	None - 0
Score				
Presence of palatable shrubs or perennial grasses under the canopy of tree/shrub >3m		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1				
Presence of mostly intact litter mats under canopy of tree/shrub >3m tall (>50% of tree canopy area has intertwined litter or shrub cover)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1				
Total Score (Max 10 - weighted by 2.5)				5
<b>Physical Disturbance Indicators</b>				
		Dominant >50%	Minor <50%	None - 0
Score				
Prevalence of large patches of bare soil (> 5m x 5m) that shows no signs of productive capacity (ie ephemeral plant litter, stems etc.)		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1				
Evidence of animal tracks, vehicle tracks or other physical disturbance to the natural land surface		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1				
Destabilised creek channel banks (if present), characterised by no vegetation or stabilizing roots, deflation and bank erosion. Inspect banks on both sides of channels.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1				
Total Score (Max 18 - weighted by 3)				9
<b>Vegetation Stratum</b> (tick the Present box for all stratum that are present or tick for Absent box of any stratum that should be present but have been removed)				
		Present	Absent	Note; don't tick either box if stratum was likely never present - e.g. Trees stratum in a low shrubland
Trees/shrubs >3m		<input type="checkbox"/>	<input type="checkbox"/>	
Shrubs 1- 3m		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Low shrubs <1m & hummock grasses		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Perennial tussock grasses with basal areas >30mm		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Total Score (Max 16 - weighted by 4)				12.0
<b>Introduced Plant Species</b>				
		Select	Score	
Declared species present?		No	2	
Introduced species dominate (>50% of vegetation cover)		<input type="checkbox"/>	1	
Moderate invasion of introduced species (5 to 50% of the vegetation cover)		<input checked="" type="checkbox"/>		
Very sparse to nil introduced species present (<5% of vegetation cover)		<input type="checkbox"/>		
Total Score (Max 10 - weighted by 2.5)				7.5
<b>Vegetation Utilisation Score</b>				
Total Score (Max 26)				15.30
<b>Vegetation Condition Score Calculation</b>				
VEGETATION CONDITION SCORE				48.80
<div> <div>Low</div> <div>Medium</div> <div>High</div> </div> <div> <div>Vegetation Utilisation Score</div> <div>Introduced Plant Species Score</div> <div>Vegetation Stratum Score</div> <div>Physical Disturbance Indicator</div> <div>Biotic Disturbance Indicator</div> <div>Vegetation Condition Score</div> </div>				



Conservation Significance Score			
Is the vegetation association considered a Threatened Ecological community or Ecosystem?			Tick if Yes
State (Provisional List of Threatened Ecosystems of SA) <b>Rare</b> community (0.1 pt)			<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Vulnerable</b> community (0.2 pts)			<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Endangered</b> community (0.3 pts)			<input type="checkbox"/>
Nationally (EPBC Act) <b>Vulnerable</b> community (0.35 pts)			<input type="checkbox"/>
Contains a Nationally (EPBC Act) <b>Endangered</b> or <b>Critically Endangered</b> community (0.4 pts)			<input type="checkbox"/>
Note: all sites will score a minimum Conservation Significance Score of 1			Score 1
Number of Threatened Plant Species recorded for within the <u>Site</u>			Number
*If a species has both a State (NP&W Act) and National (EPBC Act) rating, it's only recorded for its National rating.			
State <b>Rare</b> species recorded (1 pt each)			0
State <b>Vulnerable</b> species recorded (2.5 pt each)			0
State <b>Endangered</b> recorded (5 pts each)			0
Nationally <b>Vulnerable</b> species recorded (10 pts each)			0
Nationally <b>Endangered</b> or <b>Critically endangered</b> species recorded (20 pts each)			0
0 = 0 pts; <2 = 0.04 pts; 2 - <5 = 0.08 pts; 5 - <10 = 0.12 pts; 10 - <20 = 0.16 pts; 20 or > = 0.2 pts			0
Score			0
Potential habitat for Threatened Animal Species (number observed or recorded) for the <u>Site</u>			Number
*If a species has both a State (NP&W Act) and National (EPBC Act) rating, it's only recorded for its National rating.			
State <b>Rare</b> species observed or locally recorded (1 pt each)			3
State <b>Vulnerable</b> species observed or locally recorded (2.5 pt each)			0
State <b>Endangered</b> species observed or locally recorded (5 pt each)			0
Nationally <b>Vulnerable</b> species observed or locally recorded (10 pts each)			1
Nationally <b>Endangered</b> or <b>Critically endangered</b> species observed or locally recorded (20 pts each)			0
0 = 0 pts; <2 = 0.02 pts; 2 - <5 = 0.04 pts; 5 - <10 = 0.06 pts; 10 - <20 = 0.08pts; 20 or > = 0.1 pts			13
Score			0.08
CONSERVATION SIGNIFICANCE SCORE			1.08
Total Scores for the Site			
LANDSCAPE CONTEXT SCORE		1.17	Vegetation Condition x Landscape Context x Conservation Significance = <b>UNIT BIODIVERSITY SCORE</b> 61.66 <b>Total Biodiversity Score</b> (Biodiversity Score x hectares) 71.96
VEGETATION CONDITION SCORE		48.80	
CONSERVATION SIGNIFICANCE SCORE		1.08	
Photo Point and Vegetation Survey Location		Direction of the Photo	
		west	
		GPS Reference	
		Datum	GDA20
		Zone (52, 53 or 54)	
		Easting (6 digits)	324104.65
Northing (7 digits)	6723176.42		
Description		Representative photo of Vegetation Association 17	



## SEB Offset Calculations

### (for a proposed clearance site assessment)

SEB Points Required	
Loss Factor	1.0
Loadings for clearance of protected areas	
Reductions for rehabilitation of impact site	
SEB Uplift Factor	1.10
<b>Total SEB Points Required</b>	<b>79.16</b>

SEB - Payment	
SEB points of gain/ha Factor	7
Approximate SEB hectares required	11.31
Management Cost (\$/ha)	\$25,408
Economies of Scale Factor	0.11
Mean Annual rainfall for the site (mm)	186
Payment into the Fund (GST exclusive)	\$5,878.73
Administration fee (GST inclusive)	\$323.33
<b>Total Payment Required</b>	<b>\$6,202.06</b>



# Rangelands Assessment Scoresheet

(SEB Policy 1 Sept 2024; Scoresheet updated 1 July 2025)

Block (name)	300-367
Landscapes Region	South Australian Arid Lands
IBRA Sub Region	Murnpeowie
Property Name	DIT

ASSESSOR(S) (Insert Full Name/s)	Louise Jaunay
DATE OF ASSESSMENT	23-26/08/2024

## Map of the Block (Including the Sites)



## Landscape Context Scores

Number of Landform Features within Block	4
1 = 0.01pts, 2 = 0.03pts, >2 = 0.06pts	0.06
Size of the Block	43
<10ha = 0; 10 - <100ha = 0.01pts; 100 - <500ha = 0.02pts; 500 - <1000ha = 0.03pts; 1000 - <2000ha = 0.04pts; 2000 - 5000 = 0.05pts; >5000pts = 0.06pts	0.01
% native veg. protected in IBRA Sub region	1
0-2% = 0.05 pts; >2-5% = 0.04 pts; >5-10% = 0.03 pts; >10-25% = 0.02 pt; >25% = 0.01 pt	0.05

### Wetland or Riparian Habitat present

Does the block contain a wetland feature (Yes/No)

Permanent or semi permanent = 0.08 pt

No

Contains water for at least 6 months of the year

Occasionally contains water = 0.05 pts

Yes

Contains water approximately once every 5 years

Very occasionally contains water = 0.02 pts

Yes

Contains water approximately once every 20 years

Score

0.05

Note: Blocks will score a minimum Landscape Context Score of 1

LANDSCAPE CONTEXT SCORE (max 1.25)

1.17



## OFFICIAL

[illegible]



[illegible][illegible]




[illegible]



Vegetation Condition Scores				
SITE (name):		VA18	SIZE OF SITE (Ha)	5.512
VEGETATION ASSOCIATION DESCRIPTION		Sclerolaena spp. very low open shrubland		
LANDSCAPE TYPE		Plain – undulating		
SURFACE CHARACTER		Dominant	Stony	Minor
Biotic Disturbance Indicators		Dominant >50%	Minor <50%	None - 0
Sites with trees and large shrubs only (select one tickbox for each row)				Score
Presence of palatable shrubs or perennial grasses under the canopy of tree/shrub >3m		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Presence of mostly intact litter mats under canopy of tree/shrub >3m tall (>50% of tree canopy area has intertwined litter or shrub cover)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Score (Max 10 - weighted by 2.5)				5
Physical Disturbance Indicators		Dominant >50%	Minor <50%	None - 0
				Score
Prevalence of large patches of bare soil (> 5m x 5m) that shows no signs of productive capacity (ie ephemeral plant litter, stems etc.)		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Evidence of animal tracks, vehicle tracks or other physical disturbance to the natural land surface		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Destabilised creek channel banks (if present), characterised by no vegetation or stabilizing roots, deflation and bank erosion. Inspect banks on both sides of channels.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Score (Max 18 - weighted by 3)				6
Vegetation Stratum (tick the Present box for all stratum that are present or tick for Absent box of any stratum that should be present but have been removed)		Present	Absent	Note; don't tick either box if stratum was likely never present - e.g. Trees stratum in a low shrubland
Trees/shrubs >3m		<input type="checkbox"/>	<input type="checkbox"/>	
Shrubs 1- 3m		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Low shrubs <1m & hummock grasses		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Perennial tussock grasses with basal areas >30mm		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Total Score (Max 16 - weighted by 4)				12.0
Introduced Plant Species		Select	Score	
Declared species present?		No	2	
Introduced species dominate (>50% of vegetation cover)		<input type="checkbox"/>	2	
Moderate invasion of introduced species (5 to 50% of the vegetation cover)		<input type="checkbox"/>		
Very sparse to nil introduced species present (<5% of vegetation cover)		<input checked="" type="checkbox"/>		
Total Score (Max 10 - weighted by 2.5)				10
Vegetation Utilisation Score				
Total Score (Max 26)				17.16
Vegetation Condition Score Calculation				
VEGETATION CONDITION SCORE				50.16
<div> <div>LowMediumHigh</div> <div> <div>Vegetation Utilisation Score</div> <div>Introduced Plant Species Score</div> <div>Vegetation Stratum Score</div> <div>Physical Disturbance Indicator</div> <div>Biotic Disturbance Indicator</div> <div>Vegetation Condition Score</div> </div> </div>				



Conservation Significance Score			
Is the vegetation association considered a Threatened Ecological community or Ecosystem?			Tick if Yes
State (Provisional List of Threatened Ecosystems of SA) <b>Rare</b> community (0.1 pt)			<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Vulnerable</b> community (0.2 pts)			<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Endangered</b> community (0.3 pts)			<input type="checkbox"/>
Nationally (EPBC Act) <b>Vulnerable</b> community (0.35 pts)			<input type="checkbox"/>
Contains a Nationally (EPBC Act) <b>Endangered</b> or <b>Critically Endangered</b> community (0.4 pts)			<input type="checkbox"/>
Note: all sites will score a minimum Conservation Significance Score of 1			Score 1
Number of Threatened Plant Species recorded for within the <u>Site</u>			Number
*If a species has both a State (NP&W Act) and National (EPBC Act) rating, it's only recorded for its National rating.			
State <b>Rare</b> species recorded (1 pt each)			0
State <b>Vulnerable</b> species recorded (2.5 pt each)			0
State <b>Endangered</b> recorded (5 pts each)			0
Nationally <b>Vulnerable</b> species recorded (10 pts each)			0
Nationally <b>Endangered</b> or <b>Critically endangered</b> species recorded (20 pts each)			0
0 = 0 pts; <2 = 0.04 pts; 2 - <5 = 0.08 pts; 5 - <10 = 0.12 pts; 10 - <20 = 0.16 pts; 20 or > = 0.2 pts			0
Score			0
Potential habitat for Threatened Animal Species (number observed or recorded) for the <u>Site</u>			Number
*If a species has both a State (NP&W Act) and National (EPBC Act) rating, it's only recorded for its National rating.			
State <b>Rare</b> species observed or locally recorded (1 pt each)			3
State <b>Vulnerable</b> species observed or locally recorded (2.5 pt each)			0
State <b>Endangered</b> species observed or locally recorded (5 pt each)			0
Nationally <b>Vulnerable</b> species observed or locally recorded (10 pts each)			1
Nationally <b>Endangered</b> or <b>Critically endangered</b> species observed or locally recorded (20 pts each)			0
0 = 0 pts; <2 = 0.02 pts; 2 - <5 = 0.04 pts; 5 - <10 = 0.06 pts; 10 - <20 = 0.08pts; 20 or > = 0.1 pts			13
Score			0.08
CONSERVATION SIGNIFICANCE SCORE			1.08
Total Scores for the Site			
LANDSCAPE CONTEXT SCORE		1.17	Vegetation Condition x Landscape Context x Conservation Significance = <b>UNIT BIODIVERSITY SCORE</b> 63.38 <b>Total Biodiversity Score</b> (Biodiversity Score x hectares) 349.35
VEGETATION CONDITION SCORE		50.16	
CONSERVATION SIGNIFICANCE SCORE		1.08	
Photo Point and Vegetation Survey Location		Direction of the Photo	
		southeast	
		GPS Reference	
		Datum	GDA20
		Zone (52, 53 or 54)	
		Easting (6 digits)	319063.7
		Northing (7 digits)	6721533.8
Description		Representative photo of Vegetation Association 18	



## SEB Offset Calculations

### (for a proposed clearance site assessment)

SEB Points Required	
Loss Factor	1.0
Loadings for clearance of protected areas	
Reductions for rehabilitation of impact site	
SEB Uplift Factor	1.10
<b>Total SEB Points Required</b>	<b>384.29</b>

SEB - Payment	
SEB points of gain/ha Factor	7
Approximate SEB hectares required	54.90
Management Cost (\$/ha)	\$25,408
Economies of Scale Factor	0.11
Mean Annual rainfall for the site (mm)	186
Payment into the Fund (GST exclusive)	\$28,538.89
Administration fee (GST inclusive)	\$1,569.64
<b>Total Payment Required</b>	<b>\$30,108.53</b>



# Rangelands Assessment Scoresheet

(SEB Policy 1 Sept 2024; Scoresheet updated 1 July 2025)

Block (name)	300-367
Landscapes Region	South Australian Arid Lands
IBRA Sub Region	Murnpeowie
Property Name	DIT

ASSESSOR(S) (Insert Full Name/s)	Louise Jaunay
DATE OF ASSESSMENT	23-26/08/2024

## Map of the Block (Including the Sites)



## Landscape Context Scores

Number of Landform Features within Block	4
1 = 0.01pts, 2 = 0.03pts, >2 = 0.06pts	0.06
Size of the Block	43
<10ha = 0; 10 - <100ha = 0.01pts; 100 - <500ha = 0.02pts; 500 - <1000ha = 0.03pts; 1000 - <2000ha = 0.04pts; 2000 - 5000 = 0.05pts; >5000pts = 0.06pts	0.01
% native veg. protected in IBRA Sub region	1
0-2% = 0.05 pts; >2-5% = 0.04 pts; >5-10% = 0.03 pts; >10-25% = 0.02 pt; >25% = 0.01 pt	0.05

### Wetland or Riparian Habitat present

Does the block contain a wetland feature (Yes/No)

Permanent or semi permanent = 0.08 pt

No

Contains water for at least 6 months of the year

Occasionally contains water = 0.05 pts

Yes

Contains water approximately once every 5 years

Very occasionally contains water = 0.02 pts

Yes

Contains water approximately once every 20 years

Score

0.05

Note: Blocks will score a minimum Landscape Context Score of 1

**LANDSCAPE CONTEXT SCORE (max 1.25)**
**1.17**



## OFFICIAL

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[illegible]



Vegetation Condition Scores				
SITE (name):		VA19	SIZE OF SITE (Ha)	3.221
VEGETATION ASSOCIATION DESCRIPTION		Maireana astrotricha +/- Maireana pyramidata low open shrub		
LANDSCAPE TYPE		Plain – undulating		
SURFACE CHARACTER		Dominant	Stony	Minor
Biotic Disturbance Indicators		Dominant >50%	Minor <50%	None - 0
Sites with trees and large shrubs only (select one tickbox for each row)				Score
Presence of palatable shrubs or perennial grasses under the canopy of tree/shrub >3m		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> 0
Presence of mostly intact litter mats under canopy of tree/shrub >3m tall (>50% of tree canopy area has intertwined litter or shrub cover)		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> 0
Total Score (Max 10 - weighted by 2.5)				0
Physical Disturbance Indicators		Dominant >50%	Minor <50%	None - 0
				Score
Prevalence of large patches of bare soil (> 5m x 5m) that shows no signs of productive capacity (ie ephemeral plant litter, stems etc.)		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> 1
Evidence of animal tracks, vehicle tracks or other physical disturbance to the natural land surface		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> 1
Destabilised creek channel banks (if present), characterised by no vegetation or stabilizing roots, deflation and bank erosion. Inspect banks on both sides of channels.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1
Total Score (Max 18 - weighted by 3)				9
Vegetation Stratum (tick the Present box for all stratum that are present or tick for Absent box of any stratum that should be present but have been removed)		Present	Absent	Note; don't tick either box if stratum was likely never present - e.g. Trees stratum in a low shrubland
Trees/shrubs >3m		<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Shrubs 1- 3m		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Low shrubs <1m & hummock grasses		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Perennial tussock grasses with basal areas >30mm		<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Total Score (Max 16 - weighted by 4)				4.0
Introduced Plant Species		Select	Score	
Declared species present?		No	2	
Introduced species dominate (>50% of vegetation cover)		<input type="checkbox"/>	2	
Moderate invasion of introduced species (5 to 50% of the vegetation cover)		<input type="checkbox"/>		
Very sparse to nil introduced species present (<5% of vegetation cover)		<input checked="" type="checkbox"/>		
Total Score (Max 10 - weighted by 2.5)				10
Vegetation Utilisation Score				
Total Score (Max 26)				12.08
Vegetation Condition Score Calculation				
VEGETATION CONDITION SCORE				35.08
<div> <div>LowMediumHigh</div> <div> <div>Vegetation Utilisation Score</div> <div> <div></div> <div></div> </div> </div> <div> <div>Introduced Plant Species Score</div> <div> <div></div> <div></div> </div> </div> <div> <div>Vegetation Stratum Score</div> <div> <div></div> <div></div> </div> </div> <div> <div>Physical Disturbance Indicator</div> <div> <div></div> <div></div> </div> </div> <div> <div>Biotic Disturbance Indicator</div> <div> <div></div> <div></div> </div> </div> <div> <div>Vegetation Condition Score</div> <div> <div></div> <div></div> </div> </div> </div>				



Conservation Significance Score			
Is the vegetation association considered a Threatened Ecological community or Ecosystem?			Tick if Yes
State (Provisional List of Threatened Ecosystems of SA) <b>Rare</b> community (0.1 pt)			<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Vulnerable</b> community (0.2 pts)			<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) <b>Endangered</b> community (0.3 pts)			<input type="checkbox"/>
Nationally (EPBC Act) <b>Vulnerable</b> community (0.35 pts)			<input type="checkbox"/>
Contains a Nationally (EPBC Act) <b>Endangered</b> or <b>Critically Endangered</b> community (0.4 pts)			<input type="checkbox"/>
Note: all sites will score a minimum Conservation Significance Score of 1			Score 1
Number of Threatened Plant Species recorded for within the <u>Site</u>			Number
*If a species has both a State (NP&W Act) and National (EPBC Act) rating, it's only recorded for its National rating.			
State <b>Rare</b> species recorded (1 pt each)			0
State <b>Vulnerable</b> species recorded (2.5 pt each)			0
State <b>Endangered</b> recorded (5 pts each)			0
Nationally <b>Vulnerable</b> species recorded (10 pts each)			0
Nationally <b>Endangered</b> or <b>Critically endangered</b> species recorded (20 pts each)			0
0 = 0 pts; <2 = 0.04 pts; 2 - <5 = 0.08 pts; 5 - <10 = 0.12 pts; 10 - <20 = 0.16 pts; 20 or > = 0.2 pts			0
Score			0
Potential habitat for Threatened Animal Species (number observed or recorded) for the <u>Site</u>			Number
*If a species has both a State (NP&W Act) and National (EPBC Act) rating, it's only recorded for its National rating.			
State <b>Rare</b> species observed or locally recorded (1 pt each)			3
State <b>Vulnerable</b> species observed or locally recorded (2.5 pt each)			0
State <b>Endangered</b> species observed or locally recorded (5 pt each)			0
Nationally <b>Vulnerable</b> species observed or locally recorded (10 pts each)			1
Nationally <b>Endangered</b> or <b>Critically endangered</b> species observed or locally recorded (20 pts each)			0
0 = 0 pts; <2 = 0.02 pts; 2 - <5 = 0.04 pts; 5 - <10 = 0.06 pts; 10 - <20 = 0.08pts; 20 or > = 0.1 pts			13
Score			0.08
<b>CONSERVATION SIGNIFICANCE SCORE</b>			<b>1.08</b>
<b>Total Scores for the Site</b>			
LANDSCAPE CONTEXT SCORE		1.17	Vegetation Condition x Landscape Context x Conservation Significance = <b>UNIT BIODIVERSITY SCORE</b> 44.33 <b>Total Biodiversity Score</b> (Biodiversity Score x hectares) 142.79
VEGETATION CONDITION SCORE		35.08	
CONSERVATION SIGNIFICANCE SCORE		1.08	
Photo Point and Vegetation Survey Location		Direction of the Photo	
		east	
		GPS Reference	
		Datum	GDA20
		Zone (52, 53 or 54)	
		Easting (6 digits)	315315.36
		Northing (7 digits)	6711226.26
Description		Representative photo of Vegetation Association 19	



## SEB Offset Calculations

### (for a proposed clearance site assessment)

SEB Points Required	
Loss Factor	1.0
Loadings for clearance of protected areas	
Reductions for rehabilitation of impact site	
SEB Uplift Factor	1.10
<b>Total SEB Points Required</b>	<b>157.07</b>

SEB - Payment	
SEB points of gain/ha Factor	7
Approximate SEB hectares required	22.44
Management Cost (\$/ha)	\$25,408
Economies of Scale Factor	0.11
Mean Annual rainfall for the site (mm)	186
Payment into the Fund (GST exclusive)	\$11,664.64
Administration fee (GST inclusive)	\$641.56
<b>Total Payment Required</b>	<b>\$12,306.20</b>



# Attachment 2

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Plant Species Recorded (Native and Introduced)



## Plant Species Recorded

Species	Common Name	EPBC	SA	Introduced Species
<i>Abutilon leucopetalum</i>	Desert Lantern-bush	-	-	-
<i>Acacia ligulata</i>	Umbrella Bush	-	-	-
<i>Acacia oswaldii</i>	Umbrella Wattle	-	-	-
<i>Acacia salicina</i>	Willow Wattle	-	-	-
<i>Acacia victoriae</i> ssp.	Elegant Wattle	-	-	-
<i>Anemocarpa podolepidium</i>	Rock Everlasting	-	-	-
<i>Astrebla pectinata</i>	Barley Mitchell-grass	-	-	-
<i>Atriplex holocarpa</i>	Pop Saltbush	-	-	-
<i>Atriplex lindleyi</i> ssp.	Baldoo	-	-	-
<i>Atriplex nummularia</i> ssp. <i>nummularia</i>	Old-man Saltbush	-	-	-
<i>Atriplex quinii</i>	Kidney-fruit Saltbush	-	-	-
<i>Atriplex spongiosa</i>	Pop Saltbush	-	-	-
<i>Atriplex vesicaria</i>	Bladder Saltbush	-	-	-
<i>Brachyscome ciliaris</i> var. <i>lanuginosa</i>	Woolly Variable Daisy	-	-	-
<i>Brassica tournefortii</i>	Wild Turnip	-	-	*
<i>Calotis hispidula</i>	Hairy Burr-daisy	-	-	-
<i>Convolvulus remotus</i>	Grassy Bindweed	-	-	-
<i>Crinum flaccidum</i>	Murray Lily	-	-	-
<i>Crotalaria eremaea</i> ssp. <i>eremaea</i>	Downy Loose-flowered Rattle-pod	-	-	-
<i>Cullen australasicum</i>	Tall Scurf-pea	-	-	-
<i>Cullen cinereum</i>	Annual Scurf-pea	-	-	-
<i>Dissocarpus biflorus</i> var.	Two-horn Saltbush	-	-	-
<i>Dissocarpus paradoxus</i>	Ball Bindyi	-	-	-
<i>Einadia nutans</i> ssp.	Climbing Saltbush	-	-	-
<i>Enchylaena tomentosa</i> var.	Ruby Saltbush	-	-	-
<i>Enneapogon avenaceus</i>	Common Bottle-washers	-	-	-
<i>Enneapogon polyphyllus</i>	Leafy Bottle-washers	-	-	-
<i>Enteropogon acicularis</i>	Umbrella Grass	-	-	-
<i>Eragrostis dielsii</i>	Mulka	-	-	-
<i>Eremophila duttonii</i>	Harlequin Emubush	-	-	-
<i>Eremophila freelingii</i>	Rock Emubush	-	-	-
<i>Eremophila longifolia</i>	Weeping Emubush	-	-	-
<i>Eremophila maculata</i> ssp.	Spotted Emubush	-	-	-
<i>Erodium</i> sp.	Heron's-bill/Crowfoot	-	-	-
<i>Euphorbia</i> sp.	Spurge	-	-	-
<i>Euphorbia tannensis</i> ssp. <i>eremophila</i>	Desert Spurge	-	-	-
<i>Frankenia serpyllifolia</i>	Thyme Sea-heath	-	-	-
<i>Glycine canescens</i>	Silky Glycine	-	-	-
<i>Goodenia</i> sp.	Goodenia	-	-	-



Species	Common Name	EPBC	SA	Introduced Species
<i>Gunniopsis quadrifida</i>	Sturt's Pigface	-	-	-
<i>Hibiscus krichauffianus</i>	Velvet-leaf Hibiscus	-	-	-
<i>Leiocarpa leptolepis</i>	Pale Plover-daisy	-	-	-
<i>Leiocarpa tomentosa</i>	Woolly Plover-daisy	-	-	-
<i>Lepidium sp.</i>	Peppercress	-	-	-
<i>Limonium lobatum</i>	Winged Sea-lavender	-	-	*
<i>Lotus cruentus</i>	Red-flower Lotus	-	-	-
<i>Maireana aphylla</i>	Cotton-bush	-	-	-
<i>Maireana appressa</i>	Pale-fruit Bluebush	-	-	-
<i>Maireana astrotricha</i>	Low Bluebush	-	-	-
<i>Maireana coronata</i>	Crown Fissure-plant	-	-	-
<i>Maireana pyramidata</i>	Black Bluebush	-	-	-
<i>Maireana turbinata</i>	Top-fruit Bluebush	-	-	-
<i>Malacocera albolanata</i>	Woolly Soft-horns	-	-	-
<i>Malvastrum americanum</i> var. <i>americanum</i>	Malvastrum	-	-	-
<i>Medicago sp.</i>	Medic	-	-	*
<i>Minuria cunninghamii</i>	Bush Minuria	-	-	-
<i>Myoporum montanum</i>	Native Myrtle	-	-	-
<i>Myoporum platycarpum</i> ssp.	False Sandalwood	-	-	-
<i>Osteocarpum dipterocarpum</i>	Two-wing Bonefruit	-	-	-
<i>Pimelea simplex</i> ssp. <i>simplex</i>	Desert Riceflower	-	-	-
<i>Plantago hispida</i>	Hairy Plantain	-	-	-
<i>Pterocaulon sphacelatum</i>	Apple-bush	-	-	-
<i>Pycnosorus eremaeus</i>	Golden Billy-buttons	-	-	-
<i>Rhagodia spinescens</i>	Spiny Saltbush	-	-	-
<i>Rhodanthe floribunda</i>	White Everlasting	-	-	-
<i>Rhodanthe uniflora</i>	Woolly Daisy	-	-	-
<i>Roepera aurantiaca</i> ssp.	Shrubby Twinleaf	-	-	-
<i>Rumex vesicarius</i>	Rosy Dock	-	-	*
<i>Salsola australis</i>	Buckbush	-	-	-
<i>Santalum lanceolatum</i>	Plumbush	-	-	-
<i>Scaevola parvibarata</i>	Small-beard Fanflower	-	-	-
<i>Sclerolaena bicornis</i> var. <i>bicornis</i>	Goat-head Bindyi	-	-	-
<i>Sclerolaena brachyptera</i>	Short-wing Bindyi	-	-	-
<i>Sclerolaena constricta</i>		-	-	-
<i>Sclerolaena cuneata</i>	Tangled Bindyi	-	-	-
<i>Sclerolaena diacantha</i>	Grey Bindyi	-	-	-
<i>Sclerolaena eriakantha</i>	Silky Bindyi	-	-	-
<i>Sclerolaena holtiana</i>	Holt's Bindyi	-	-	-
<i>Sclerolaena intricata</i>	Tangled Bindyi	-	-	-
<i>Sclerolaena sp.</i>	Bindyi	-	-	-
<i>Sclerolaena ventricosa</i>	Salt Bindyi	-	-	-
<i>Senecio magnificus</i>	Showy Groundsel	-	-	-



Species	Common Name	EPBC	SA	Introduced Species
<i>Senna artemisioides</i> ssp.	Desert Senna	-	-	-
<i>Sida corrugata</i> var.	Corrugated Sida	-	-	-
<i>Sida intricata</i>	Twiggy Sida	-	-	-
<i>Sida petrophila</i>	Rock Sida	-	-	-
<i>Sisymbrium erysimoides</i>	Smooth Mustard			*
<i>Solanum</i> sp.	Nightshade/Potato-bush			
<i>Sonchus oleraceus</i>	Common Sow-thistle			*
<i>Stemodia florulenta</i>	Bluerod			
<i>Swainsona campylantha</i>				
<i>Swainsona extrajacens</i>				
<i>Swainsona phacoides</i>	Dwarf Swainson-pea			
<i>Swainsona stipularis</i>	Orange Swainson-pea			
<i>Tecticornia indica</i> ssp.	Brown-head Samphire			
<i>Tetragonia</i> sp.	False Spinach			
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>	Camel Bush			
<i>Vittadinia gracilis</i>	Woolly New Holland Daisy			
<i>Wahlenbergia queenlandica</i>				









# **Attachment 3**

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Vegetation Associations Photo Log









Vegetation Associations Photo Log

<p>Photo 1: Representative photo of Vegetation Association 1, looking south west (363150.11 m E, 6723074.86 m S)</p> 	<p>Photo 2: Representative photo of Vegetation Association 2, looking south (362882.65 m E, 6723063.11 m S)</p> 	<p>Photo 3: Representative photo of Vegetation Association 3, looking north (362500.84 m E, 6723215.11 m S)</p> 
<p>Photo 4: Representative photo of Vegetation Association 4, looking south (360816.22 m E, 6723349.68 m S)</p> 	<p>Photo 5: Representative photo of Vegetation Association 5, looking south (357449.01 m E, 6724870.35 m S)</p> 	<p>Photo 6: Representative photo of Vegetation Association 6, looking south (356938.90 m E, 6725268.19 m S)</p> 











<p><b>Photo 7: Representative photo of Vegetation Association 7, looking east (355971.35 m E, 6725121.23 m S)</b></p>	<p><b>Photo 8: Representative photo of Vegetation Association 8, looking south (356078.60 m E, 6725915.90 m S)</b></p>	<p><b>Photo 9: Representative photo of Vegetation Association 9, looking south (353823.68 m E, 6727033.11 m S)</b></p>
		
<p><b>Photo 10: Representative photo of Vegetation Association 10, looking south (351413.11 m E, 6729647.03 m S)</b></p>	<p><b>Photo 11: Representative photo of Vegetation Association 11, looking south west (350320.98 m E, 6729500.00 m S)</b></p>	<p><b>Photo 12: Representative photo of Vegetation Association 12, looking north (346942.24 m E, 6729745.28 m S)</b></p>
		





<p><b>Photo 13: Representative photo of Vegetation Association 13, looking north west (341736.99 m E, 6728109.11 m S)</b></p>	<p><b>Photo 14: Representative photo of Vegetation Association 14, looking south (340933.77 m E, 6727825.94 m S)</b></p>	<p><b>Photo 15: Representative photo of Vegetation Association 15, looking south east (334891.81 m E, 6726258.34 m S)</b></p>
		
<p><b>Photo 16: Representative photo of Vegetation Association 16, looking north (333317.97 m E, 6725644.17 m S)</b></p>	<p><b>Photo 17: Representative photo of Vegetation Association 17, looking west (324104.65 m E, 6723176.42 m S)</b></p>	<p><b>Photo 18: Representative photo of Vegetation Association 18, looking south east (319063.70 m E, 6721533.80 m S)</b></p>
		





**Photo 19: Representative photo of Vegetation Association 19,  
looking east (315315.36 m E, 6711226.26 m S)**





# **Attachment 4**

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*Environmental Protection Biodiversity Conservation Act*  
1999 Protected Matters Report





Australian Government

Department of Climate Change, Energy,  
the Environment and Water

# EPBC Act Protected Matters Report

This report provides general guidance on matters of national environmental significance and other matters protected by the EPBC Act in the area you have selected. Please see the caveat for interpretation of information provided here.

Report created: 12-Nov-2024

[Summary](#)

[Details](#)

[Matters of NES](#)

[Other Matters Protected by the EPBC Act](#)

[Extra Information](#)

[Caveat](#)

[Acknowledgements](#)



# Summary

## Matters of National Environment Significance

This part of the report summarises the matters of national environmental significance that may occur in, or may relate to, the area you nominated. Further information is available in the detail part of the report, which can be accessed by scrolling or following the links below. If you are proposing to undertake an activity that may have a significant impact on one or more matters of national environmental significance then you should consider the [Administrative Guidelines on Significance](#).

<a href="#">World Heritage Properties:</a>	None
<a href="#">National Heritage Places:</a>	None
<a href="#">Wetlands of International Importance (Ramsar</a>	None
<a href="#">Great Barrier Reef Marine Park:</a>	None
<a href="#">Commonwealth Marine Area:</a>	None
<a href="#">Listed Threatened Ecological Communities:</a>	1
<a href="#">Listed Threatened Species:</a>	26
<a href="#">Listed Migratory Species:</a>	10

## Other Matters Protected by the EPBC Act

This part of the report summarises other matters protected under the Act that may relate to the area you nominated. Approval may be required for a proposed activity that significantly affects the environment on Commonwealth land, when the action is outside the Commonwealth land, or the environment anywhere when the action is taken on Commonwealth land. Approval may also be required for the Commonwealth or Commonwealth agencies proposing to take an action that is likely to have a significant impact on the environment anywhere.

The EPBC Act protects the environment on Commonwealth land, the environment from the actions taken on Commonwealth land, and the environment from actions taken by Commonwealth agencies. As heritage values of a place are part of the 'environment', these aspects of the EPBC Act protect the Commonwealth Heritage values of a Commonwealth Heritage place. Information on the new heritage laws can be found at <https://www.dcceew.gov.au/parks-heritage/heritage>

A [permit](#) may be required for activities in or on a Commonwealth area that may affect a member of a listed threatened species or ecological community, a member of a listed migratory species, whales and other cetaceans, or a member of a listed marine species.

<a href="#">Commonwealth Lands:</a>	None
<a href="#">Commonwealth Heritage Places:</a>	None
<a href="#">Listed Marine Species:</a>	16
<a href="#">Whales and Other Cetaceans:</a>	None
<a href="#">Critical Habitats:</a>	None
<a href="#">Commonwealth Reserves Terrestrial:</a>	None
<a href="#">Australian Marine Parks:</a>	None
<a href="#">Habitat Critical to the Survival of Marine Turtles:</a>	None

## Extra Information

This part of the report provides information that may also be relevant to the area you have

<a href="#">State and Territory Reserves:</a>	2
<a href="#">Regional Forest Agreements:</a>	None
<a href="#">Nationally Important Wetlands:</a>	3
<a href="#">EPBC Act Referrals:</a>	8
<a href="#">Key Ecological Features (Marine):</a>	None
<a href="#">Biologically Important Areas:</a>	None
<a href="#">Bioregional Assessments:</a>	1
<a href="#">Geological and Bioregional Assessments:</a>	1



# Details

## Matters of National Environmental Significance

Listed Threatened Ecological Communities

[ Resource Information ]

For threatened ecological communities where the distribution is well known, maps are derived from recovery plans, State vegetation maps, remote sensing imagery and other sources. Where threatened ecological community distributions are less well known, existing vegetation maps and point location data are used to produce indicative distribution maps.

Status of Vulnerable, Disallowed and Ineligible are not MNES under the EPBC Act.

Community Name	Threatened Category	Presence Text	Buffer Status
<a href="#">The community of native species dependent on natural discharge of groundwater from the Great Artesian Basin</a>	Endangered	Community likely to occur within area	In feature area

Listed Threatened Species

[ Resource Information ]

Status of Conservation Dependent and Extinct are not MNES under the EPBC Act.

Number is the current name ID.

Scientific Name	Threatened Category	Presence Text	Buffer Status
BIRD			
<a href="#">Amytornis merrotsyi merrotsyi</a>			
Short-tailed Grasswren (Flinders Ranges) [86269]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
<a href="#">Amytornis modestus</a>			
Thick-billed Grasswren [84121]	Vulnerable	Species or species habitat known to occur within area	In feature area
<a href="#">Aphelocephala leucopsis</a>			
Southern Whiteface [529]	Vulnerable	Species or species habitat known to occur within area	In feature area
<a href="#">Calidris acuminata</a>			
Sharp-tailed Sandpiper [874]	Vulnerable	Species or species habitat likely to occur within area	In feature area
<a href="#">Calidris ferruginea</a>			
Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area	In feature area



Scientific Name	Threatened Category	Presence Text	Buffer Status
<a href="#">Falco hypoleucos</a> Grey Falcon [929]	Vulnerable	Species or species habitat known to occur within area	In feature area
<a href="#">Gallinago hardwickii</a> Latham's Snipe, Japanese Snipe [863]	Vulnerable	Species or species habitat may occur within area	In feature area
<a href="#">Grantiella picta</a> Painted Honeyeater [470]	Vulnerable	Species or species habitat known to occur within area	In feature area
<a href="#">Neophema chrysostoma</a> Blue-winged Parrot [726]	Vulnerable	Species or species habitat known to occur within area	In feature area
<a href="#">Pedionomus torquatus</a> Plains-wanderer [906]	Critically Endangered	Species or species habitat may occur within area	In feature area
<a href="#">Pezoporus occidentalis</a> Night Parrot [59350]	Endangered	Species or species habitat may occur within area	In feature area
<a href="#">Polytelis alexandrae</a> Princess Parrot, Alexandra's Parrot [758]	Vulnerable	Species or species habitat may occur within area	In buffer area only
<a href="#">Rostratula australis</a> Australian Painted Snipe [77037]	Endangered	Species or species habitat may occur within area	In feature area
<a href="#">Tringa nebularia</a> Common Greenshank, Greenshank [832]	Endangered	Species or species habitat may occur within area	In buffer area only
MAMMAL			
<a href="#">Notomys fuscus</a> Dusky Hopping-mouse, Wilkiniti [125]	Vulnerable	Species or species habitat known to occur within area	In feature area
<a href="#">Petrogale xanthopus xanthopus</a> Yellow-footed Rock-wallaby (SA and NSW) [66646]	Vulnerable	Species or species habitat known to occur within area	In buffer area only



Scientific Name	Threatened Category	Presence Text	Buffer Status
<a href="#">Pseudomys australis</a> Plains Rat, Palyoora, Plains Mouse [108]	Vulnerable	Species or species habitat known to occur within area	In feature area
PLANT			
<a href="#">Acacia araneosa</a> Spidery Wattle, Balcanoona Wattle [20767]	Vulnerable	Species or species habitat may occur within area	In buffer area only
<a href="#">Acacia carneorum</a> Needle Wattle, Dead Finish, Purple-wood Wattle [66685]	Vulnerable	Species or species habitat may occur within area	In buffer area only
<a href="#">Codonocarpus pyramidalis</a> Slender Bell-fruit, Camel Poison [19507]	Vulnerable	Species or species habitat known to occur within area	In feature area
<a href="#">Eriocaulon carsonii</a> Salt Pipewort, Button Grass [10584]	Endangered	Species or species habitat known to occur within area	In buffer area only
<a href="#">Frankenia plicata</a> [4225]	Endangered	Species or species habitat known to occur within area	In feature area
<a href="#">Pterostylis xerophila</a> Desert Greenhood [7997]	Vulnerable	Species or species habitat may occur within area	In buffer area only
<a href="#">Swainsona murrayana</a> Slender Darling-pea, Slender Swainson, Murray Swainson-pea [6765]	Vulnerable	Species or species habitat may occur within area	In feature area
<a href="#">Xerothamnella parvifolia</a> [3141]	Vulnerable	Species or species habitat likely to occur within area	In feature area
REPTILE			
<a href="#">Aprasia pseudopulchella</a> Flinders Ranges Worm-lizard [1666]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Listed Migratory Species		[ <a href="#">Resource Information</a> ]	
Scientific Name	Threatened Category	Presence Text	Buffer Status
Migratory Marine Birds			



Scientific Name	Threatened Category	Presence Text	Buffer Status
<a href="#">Apus pacificus</a> Fork-tailed Swift [678]		Species or species habitat likely to occur within area	In feature area
Migratory Terrestrial Species			
<a href="#">Motacilla cinerea</a> Grey Wagtail [642]		Species or species habitat may occur within area	In feature area
<a href="#">Motacilla flava</a> Yellow Wagtail [644]		Species or species habitat may occur within area	In feature area
Migratory Wetlands Species			
<a href="#">Actitis hypoleucos</a> Common Sandpiper [59309]		Species or species habitat may occur within area	In feature area
<a href="#">Calidris acuminata</a> Sharp-tailed Sandpiper [874]	Vulnerable	Species or species habitat likely to occur within area	In feature area
<a href="#">Calidris ferruginea</a> Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area	In feature area
<a href="#">Calidris melanotos</a> Pectoral Sandpiper [858]		Species or species habitat may occur within area	In feature area
<a href="#">Charadrius veredus</a> Oriental Plover, Oriental Dotterel [882]		Species or species habitat may occur within area	In buffer area only
<a href="#">Gallinago hardwickii</a> Latham's Snipe, Japanese Snipe [863]	Vulnerable	Species or species habitat may occur within area	In feature area
<a href="#">Tringa nebularia</a> Common Greenshank, Greenshank [832]	Endangered	Species or species habitat may occur within area	In buffer area only



Other Matters Protected by the EPBC Act

Listed Marine Species		[ Resource Information ]	
Scientific Name	Threatened Category	Presence Text	Buffer Status
Bird			
<a href="#">Actitis hypoleucos</a> Common Sandpiper [59309]		Species or species habitat may occur within area	In feature area
<a href="#">Apus pacificus</a> Fork-tailed Swift [678]		Species or species habitat likely to occur within area overfly marine area	In feature area
<a href="#">Bubulcus ibis as Ardea ibis</a> Cattle Egret [66521]		Species or species habitat may occur within area overfly marine area	In feature area
<a href="#">Calidris acuminata</a> Sharp-tailed Sandpiper [874]	Vulnerable	Species or species habitat likely to occur within area	In feature area
<a href="#">Calidris ferruginea</a> Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area overfly marine area	In feature area
<a href="#">Calidris melanotos</a> Pectoral Sandpiper [858]		Species or species habitat may occur within area overfly marine area	In feature area
<a href="#">Chalcites osculans as Chrysococcyx osculans</a> Black-eared Cuckoo [83425]		Species or species habitat known to occur within area overfly marine area	In feature area
<a href="#">Charadrius veredus</a> Oriental Plover, Oriental Dotterel [882]		Species or species habitat may occur within area overfly marine area	In buffer area only



Scientific Name	Threatened Category	Presence Text	Buffer Status
<a href="#">Gallinago hardwickii</a> Latham's Snipe, Japanese Snipe [863]	Vulnerable	Species or species habitat may occur within area overfly marine area	In feature area
<a href="#">Haliaeetus leucogaster</a> White-bellied Sea-Eagle [943]		Species or species habitat may occur within area	In buffer area only
<a href="#">Merops ornatus</a> Rainbow Bee-eater [670]		Species or species habitat may occur within area overfly marine area	In feature area
<a href="#">Motacilla cinerea</a> Grey Wagtail [642]		Species or species habitat may occur within area overfly marine area	In feature area
<a href="#">Motacilla flava</a> Yellow Wagtail [644]		Species or species habitat may occur within area overfly marine area	In feature area
<a href="#">Neophema chrysostoma</a> Blue-winged Parrot [726]	Vulnerable	Species or species habitat known to occur within area overfly marine area	In feature area
<a href="#">Rostratula australis as Rostratula benghalensis (sensu lato)</a> Australian Painted Snipe [77037]	Endangered	Species or species habitat may occur within area overfly marine area	In feature area
<a href="#">Tringa nebularia</a> Common Greenshank, Greenshank [832]	Endangered	Species or species habitat may occur within area overfly marine area	In buffer area only

### Extra Information

State and Territory Reserves			[ <a href="#">Resource Information</a> ]
Protected Area Name	Reserve Type	State	Buffer Status
Strzelecki	Regional Reserve	SA	In buffer area only
Vulkathunha-Gammon Ranges	National Park	SA	In buffer area only



Nationally Important Wetlands		[ <a href="#">Resource Information</a> ]
Wetland Name	State	Buffer Status
<a href="#">Inland Saline Lakes</a>	SA	In buffer area only
<a href="#">Lake Eyre Mound Springs</a>	SA	In feature area
<a href="#">Strzelecki Creek Wetland System</a>	SA	In buffer area only

EPBC Act Referrals					[ <a href="#">Resource Information</a> ]
Title of referral	Reference	Referral Outcome	Assessment Status	Buffer Status	
<a href="#">Olympic Dam Resource Development Strategy</a>	2019/8570		Completed	In buffer area only	

Controlled action				
<a href="#">Beverley North Extension to the Beverley Uranium Mine</a>	2009/5138	Controlled Action	Post-Approval	In buffer area only
<a href="#">Expansion of the Olympic Dam copper, uranium, gold and silver mine, processing plant and associated</a>	2005/2270	Controlled Action	Post-Approval	In feature area
<a href="#">Four Mile Extension to the Beverley Uranium Mine</a>	2008/4252	Controlled Action	Post-Approval	In buffer area only
<a href="#">Mt Gee Uranium Mining</a>	2007/3716	Controlled Action	Completed	In buffer area only
<a href="#">Prominent Hill Copper-Gold Project</a>	2005/2040	Controlled Action	Post-Approval	In feature area

Not controlled action				
<a href="#">Improving rabbit biocontrol: releasing another strain of RHDV, sthrn two thirds of Australia</a>	2015/7522	Not Controlled Action	Completed	In feature area

Not controlled action (particular manner)				
<a href="#">Beverley North Field Leach Trial</a>	2010/5446	Not Controlled Action (Particular Manner)	Completed	In buffer area only

Bioregional Assessments				[ <a href="#">Resource Information</a> ]
SubRegion	BioRegion	Website	Buffer Status	
Cooper	Lake Eyre Basin	<a href="#">BA website</a>	In buffer area only	

Geological and Bioregional Assessments				[ <a href="#">Resource Information</a> ]
Name	State	Website	Buffer Status	
Cooper GBA region	QLD, SA, NSW	<a href="#">GBA website</a>	In buffer area only	



# Caveat

## 1 PURPOSE

This report is designed to assist in identifying the location of matters of national environmental significance (MNES) and other matters protected by the Environment Protection and Biodiversity Conservation Act 1999 (Cth) (EPBC Act) which may be relevant in determining obligations and requirements under the EPBC Act.

The report contains the mapped locations of:

- World and National Heritage properties;
- Wetlands of International and National Importance;
- Commonwealth and State/Territory reserves;
- distribution of listed threatened, migratory and marine species;
- listed threatened ecological communities; and
- other information that may be useful as an indicator of potential habitat value.

## 2 DISCLAIMER

This report is not intended to be exhaustive and should only be relied upon as a general guide as mapped data is not available for all species or ecological communities listed under the EPBC Act (see below). Persons seeking to use the information contained in this report to inform the referral of a proposed action under the EPBC Act should consider the limitations noted below and whether additional information is required to determine the existence and location of MNES and other protected matters.

Where data is available to inform the mapping of protected species, the presence type (e.g. known, likely or may occur) that can be determined from the data is indicated in general terms. It is the responsibility of any person using or relying on the information in this report to ensure that it is suitable for the circumstances of any proposed use. The Commonwealth cannot accept responsibility for the consequences of any use of the report or any part thereof. To the maximum extent allowed under governing law, the Commonwealth will not be liable for any loss or damage that may be occasioned directly or indirectly through the use of, or reliance on the contents of this report.

## 3 DATA SOURCES

### Threatened ecological communities

For threatened ecological communities where the distribution is well known, maps are generated based on information contained in recovery plans, State vegetation maps and remote sensing imagery and other sources. Where threatened ecological community distributions are less well known, existing vegetation maps and point location data are used to produce indicative distribution maps.

### Threatened, migratory and marine species

Threatened, migratory and marine species distributions have been discerned through a variety of methods. Where distributions are well known and if time permits, distributions are inferred from either thematic spatial data (i.e. vegetation, soils, geology, elevation, aspect, terrain, etc.) together with point locations and described habitat; or modelled (MAXENT or BIOCLIM habitat modelling) using point locations and environmental data layers.

Where little information is available for a species or large number of maps are required in a short time-frame, maps are derived either from 0.04 or 0.02 decimal degree cells; by an automated process using polygon capture techniques (static two kilometre grid cells, alpha-hull and convex hull); or captured manually or by using topographic features (national park boundaries, islands, etc.).

In the early stages of the distribution mapping process (1999-early 2000s) distributions were defined by degree blocks, 100K or 250K map sheets to rapidly create distribution maps. More detailed distribution mapping methods are used to update these distributions when time permits.

## 4 LIMITATIONS

The following species and ecological communities have not been mapped and do not appear in this report:

- threatened species listed as extinct or considered vagrants;
- some recently listed species and ecological communities;
- some listed migratory and listed marine species, which are not listed as threatened species; and
- migratory species that are very widespread, vagrant, or only occur in Australia in small numbers.

The following groups have been mapped, but may not cover the complete distribution of the species:

- listed migratory and/or listed marine seabirds, which are not listed as threatened, have only been mapped for recorded breeding sites; and
- seals which have only been mapped for breeding sites near the Australian continent

The breeding sites may be important for the protection of the Commonwealth Marine environment.

Refer to the metadata for the feature group (using the Resource Information link) for the currency of the information.



# Acknowledgements

This database has been compiled from a range of data sources. The department acknowledges the following custodians who have contributed valuable data and advice:

- [-Office of Environment and Heritage, New South Wales](#)
- [-Department of Environment and Primary Industries, Victoria](#)
- [-Department of Primary Industries, Parks, Water and Environment, Tasmania](#)
- [-Department of Environment, Water and Natural Resources, South Australia](#)
- [-Department of Land and Resource Management, Northern Territory](#)
- [-Department of Environmental and Heritage Protection, Queensland](#)
- [-Department of Parks and Wildlife, Western Australia](#)
- [-Environment and Planning Directorate, ACT](#)
- [-Birdlife Australia](#)
- [-Australian Bird and Bat Banding Scheme](#)
- [-Australian National Wildlife Collection](#)
- [-Natural history museums of Australia](#)
- [-Museum Victoria](#)
- [-Australian Museum](#)
- [-South Australian Museum](#)
- [-Queensland Museum](#)
- [-Online Zoological Collections of Australian Museums](#)
- [-Queensland Herbarium](#)
- [-National Herbarium of NSW](#)
- [-Royal Botanic Gardens and National Herbarium of Victoria](#)
- [-Tasmanian Herbarium](#)
- [-State Herbarium of South Australia](#)
- [-Northern Territory Herbarium](#)
- [-Western Australian Herbarium](#)
- [-Australian National Herbarium, Canberra](#)
- [-University of New England](#)
- [-Ocean Biogeographic Information System](#)
- [-Australian Government, Department of Defence](#)
- [Forestry Corporation, NSW](#)
- [-Geoscience Australia](#)
- [-CSIRO](#)
- [-Australian Tropical Herbarium, Cairns](#)
- [-eBird Australia](#)
- [-Australian Government – Australian Antarctic Data Centre](#)
- [-Museum and Art Gallery of the Northern Territory](#)
- [-Australian Government National Environmental Science Program](#)
- [-Australian Institute of Marine Science](#)
- [-Reef Life Survey Australia](#)
- [-American Museum of Natural History](#)
- [-Queen Victoria Museum and Art Gallery, Inveresk, Tasmania](#)
- [-Tasmanian Museum and Art Gallery, Hobart, Tasmania](#)
- [-Other groups and individuals](#)

The Department is extremely grateful to the many organisations and individuals who provided expert advice and information on numerous draft distributions.



Please feel free to provide feedback via the [Contact us](#) page.

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# Attachment 5

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## Threatened Species Summary



## Threatened Species Likelihood of Occurrence Assessment

Table 1 Threatened Flora Species

Species	Common Name	NP&W Act	EPBC Act	Data Source	Date of Last Record	Species Known Habitat Preferences	Likelihood of Use for Habitat - Comments
<i>Acacia confluens</i>	Arkaroolla Wattle	V	–	NatureMaps (2025)	2012	Endemic to South Australia occurring in the Northern part of the Flinders Ranges from Mount Lyndhurst and Arkaroolla, to Moolawatana (B.R.Maslin, 2018) Grows mainly in shallow calcareous loam, on steep stony hillsides and in gullies amongst outcropping quartzite, in tall shrubland (B.R.Maslin, 2018).	<b>Unlikely.</b> Two (2) observations occur approximately 35 km from The Project Area. No suitable growing conditions within the application areas.
<i>Blechnum rupestre</i>	Small Rasp-fern	E	–	NatureMaps (2025)	2023	Occurs within riparian environments.	<b>Unlikely.</b> Only one (1) observation within the Gammon Ranges to the south of the Project Area. Vegetation under application is not consistent with required growing conditions.
<i>Codonocarpus pyramidalis</i>	Slender Bell-fruit	E	VU	NatureMaps (2025) Protected Matters Search (2025)	2023	Occurs as scattered individuals across areas of the Flinders Ranges, Northern Lofty Ranges and the eastern regions of South Australia such as within the Murray Darling Basin, Eyre Peninsula, Yorke and Adelaide. Grows along the crests of hills and	<b>Unlikely.</b> Five (5) observations occur approximately 45 km from The Project Area, within the Gammon Ranges. Given the distance to previous records, it is unlikely the species would be present within the areas under application.



Species	Common Name	NP&W Act	EPBC Act	Data Source	Date of Last Record	Species Known Habitat Preferences	Likelihood of Use for Habitat - Comments
						ridges, slopes and along creeks, where the soil is either a loamy sand or sandy clay loam with the pH between 8.5-9 (Department of the Environment, Water, and the Arts, 2008).	
<i>Daviesia stricta</i>	Flinders Ranges Bitter-pea	R	-	NatureMaps (2025)	2012	Grows in shrubland on ridge-tops in the Flinders Ranges of South Australia (Atlas of Living Australia, n.d.).	<b>Unlikely.</b> One (1) observation is present approximately 50 km from The Project Area. Limited conditions within the project area that meet the description of 'ridge-top'.
<i>Eleocharis plana</i>	Flat Spike-rush, Flat Spike Sedge	R	-	NatureMaps (2025)	2007	Widespread across inland New South Wales, Queensland and South Australia (Atlas of Living Australia, n.d.). Grows in water and damp places (Lucidcentral, n.d.)	<b>Unlikely.</b> One (1) observation is present approximately 30km from The Project Area, on the roadside of Section B. Limited suitable growing conditions. Given that the previous recorded observation is 17 years old and is the only known observation within 50 km of The Project Area it is unlikely that this species will be encountered.
<i>Eriocaulon carsonii</i> ssp. <i>carsonii</i>	Salt Pipewort	E	EN	NatureMaps (2025) Protected Matters Search (2025)	2015	Currently inhabits nine (9) spring complexes in South Australia, twelve in Queensland and one (1) in New South Wales. Occurs in the Bourke, Lake Frome, Lake	<b>Unlikely.</b> This species grows in springs and wetlands, none of which are present within the areas under application within the Project Area.



Species	Common Name	NP&W Act	EPBC Act	Data Source	Date of Last Record	Species Known Habitat Preferences	Likelihood of Use for Habitat - Comments
						Eyre and Springvale Spring super groups ( Department of Climate Change, Energy, the Environment and Water, 2023).	
<i>Gilesia biniflora</i>	Western Tar-vine	R	-	NatureMaps (2025)	2010	Found scattered across northern South Australia growing on saline clay soils (South Australian Seed Conservation Centre, 2024).	<b>Unlikely.</b> One (1) observation is present approximately 35 km from The Project Area. Species growing requirements are not thoroughly documented. Given that this is the only observation within 50 km of The Project Area and the age of the observation, it is unlikely that this species will be encountered.
<i>Gratwickia monochaeta</i>		R	-	NatureMaps (2025)	2010	Grows primarily in the desert or dry shrubland biome (Royal Botanic Gardens KEW, n.d.)	<b>Unlikely.</b> Two (2) observations approximately 35km from The Project Area. The most recent observation was recorded in 2010. Species growing requirements and associations are not thoroughly documented. Due to the distance from The Project Area and the age of the last recorded observation it is unlikely that this species will be observed.



Species	Common Name	NP&W Act	EPBC Act	Data Source	Date of Last Record	Species Known Habitat Preferences	Likelihood of Use for Habitat - Comments
<i>Orobanche cernua</i> var. <i>australiana</i>	Australian Broomrape	R	-	NatureMaps (2025)	2007	Found scattered across the eastern half of South Australia, growing in sand dunes and sandy creek beds, parasitic on native <i>Senecio</i> species (South Australian Seed Conservation Centre, 2024).	<b>Possible.</b> One (1) previous observation recorded on the roadside approximately 30 km from The Project Area, near MM 250. This species was also recorded during recent field inspections near MM 270. It is possible this species is present within the current Project Area.
<i>Philotheca angustifolia</i> ssp. <i>angustifolia</i>	Narrow-leaf Wax-flower	R	-	NatureMaps (2025)	2012	Grows in open woodland and mallee in central Victoria and in south-eastern South Australia (iNaturalist, n.d.).	<b>Unlikely.</b> One (1) observation is present approximately 50 km from the Project Area within the Gammon Ranges. Further afield observations are also scattered through the ranges, suggesting it is unlikely the species will be found within the areas under application.
<i>Potamogeton ochreatus</i>	Blunt Pondweed	R	-	NatureMaps (2025)	2012	Aquatic. In still to strongly flowing fresh water to 5 m deep in rivers, channels and lakes (Wood, n.d.).	<b>Excluded.</b> The species requires still or flowing deep water which is not present within or closely surrounding the Project Area.
<i>Swainsona leeana</i>	Lee's Swainson-pea	R	-	NatureMaps (2025)	2010	Grows in stony soil or clay-loam in dry water courses in scattered locations in the Flinders Ranges and Kati Thanda-Lake Eyre regions of SA (Atlas of Living Australia, n.d.).	<b>Unlikely.</b> Four (4) observations have been recorded approximately 35 km from The Project Area. Given the distance and age of the records, it is unlikely the



Species	Common Name	NP&W Act	EPBC Act	Data Source	Date of Last Record	Species Known Habitat Preferences	Likelihood of Use for Habitat - Comments
							species will be present within the areas under application.
<i>Frankenia plicata</i>	Sea Heath	-	EN	Protected Matters Search (2025)	Unknown (Species or species habitat known to occur within feature area)	Occurs in South Australia from north of Port Augusta to the Northern Territory border, and from Port Augusta north-east to Maree. Grows in a range of habitats including on small hillside channels, swales of loamy sands to clay. Found in a wide range of vegetation communities that have good drainage (Department of the Environment, Water, Heritage and the Arts, 2008).	<b>Possible.</b> Data on previous records within <i>NatureMaps</i> shows records scattered through the region, although most are older than 30 years. However, there is one (1) record approximately one (1) km from the Project Area, located near MM 320. While the species was not recorded during the field assessments, it is possible it is present at this location.

*Table 2 Threatened Fauna Species*

Species Scientific Name	Common Name	NP&W Act	EPBC Act	Data Source	Date of Last Record	Species Known Habitat Preferences	Likelihood of Use for Habitat - Comments
BIRDS							



Species Scientific Name	Common Name	NP&W Act	EPBC Act	Data Source	Date of Last Record	Species Known Habitat Preferences	Likelihood of Use for Habitat - Comments
<i>Amytornis modestus</i>	Thick-billed Grasswren	–	VU	NatureMaps (2024) Protected Matters Search (2024)	28-Aug-2016	The species is currently restricted to chenopod shrublands, dominated by saltbush and bluebush, and may favour areas along drainage lines where vegetation is taller and thicker. The Flinders Ranges subspecies ( <i>Amytornis modestus raglessi</i> ) is the subspecies relevant to the Project Area as it has a range that extends from the northern Flinders Ranges towards southern Lake Eyre, Lake Blanche, and Lake Callabonna (Threatened Species Scientific Committee, 2016).	<b>Likely.</b> Six (6) observations are present on the roadside of the Project Area between MM 340-350 and recorded within the preceding 10 years. Vegetation on site is consistent with the species habitat requirements.
<i>Cladorhynchus leucocephalus</i>	Banded Stilt	V	–	NatureMaps (2024)	10-Feb-2015	Endemic to Australia, mainly in the south and inland. Found mainly in saline and hypersaline (very salty) waters of the inland and coast, typically large, open and shallow (Birdlife Australia, 2025).	<b>Unlikely.</b> One (1) observation is present approximately 40 km from the Project Area. The species is more likely to be present within the nearby Lake Callabonna.



Species Scientific Name	Common Name	NP&W Act	EPBC Act	Data Source	Date of Last Record	Species Known Habitat Preferences	Likelihood of Use for Habitat - Comments
<i>Falco subniger</i>	Black Falcon	R	–	<i>NatureMaps</i> (2024)	15-Aug-2010	Black Falcon frequents sparsely wooded lands, savanna, open country, and terrestrial wetlands of tropical and temperate Australia. It uses dead trees and posts for perching and trees in riparian areas for breeding (Debus, 2023)	<b>Unlikely.</b> One (1) observation is present approximately 35 km from the Project Area. The species is sparsely distributed across its known range, so if present likely to be in low numbers. Further to this, given its perching and breeding habitat requirements, it is unlikely to be found utilising the vegetation under application.
<i>Neophema elegans elegans</i>	Elegant Parrot	R	–	<i>NatureMaps</i> (2024)	27-Aug-2016	The species lives in two separate areas: One in the southwest corner of WA and the other in southern Australia from the Flinders Ranges to just over the NSW and Victorian Borders. Lives in open forests, woodlands, mallee, mulga, salt marsh (Birds in Backyards, n.d.)	<b>Possible.</b> Two (2) observations are present approximately 20 – 25 km from the Project Area, along the Strzelecki Track near MM 390. These are the most northern records within <i>NatureMaps</i> . Given the broad habitat requirements of the species and proximity of previous records, it is possible the species may be found within the Project Area.



Species Scientific Name	Common Name	NP&W Act	EPBC Act	Data Source	Date of Last Record	Species Known Habitat Preferences	Likelihood of Use for Habitat - Comments
<i>Phaps histrionica</i>	Flock Bronzewing	R		NatureMaps (2024)	21-Aug-2013	Recorded to occur along the Strzelecki Track within the Project Area in a study done by the South Australian Arid Lands Natural Resource Management Board (Now Landscape Board) in 2010 (Pedler, 2010). This study noted the species was recorded in areas of cracking clay and gibber plains supporting Mitchell Grass as well as around watering sites adjacent to this habitat.	<b>Possible.</b> Given the previous records within the study conducted by Pedler (2010), it is possible the species may be found within the Project Area. However, as Pedler noted, as this is in the southern extent of their range, it is likely to be present only when conditions are favourable.
<i>Tyto longimembris longimembris</i>	Eastern Grass Owl	R		NatureMaps (2024)	01-Sep-2015	Eastern Grass Owls have been recorded occasionally in all mainland states of Australia but are most common in northern and north-eastern Australia. Eastern Grass Owls are found in areas of tall grass, including grass tussocks, in swampy areas, grassy plains, swampy heath, and in cane grass or sedges on flood plains (NSW Government Office of Environment and Heritage, 2018).	<b>Unlikely.</b> One (1) observation approximately 50km from the Project Area. While limited suitable habitat exists within the Project Area, the overall distribution of the species indicates a preference to more vegetated environments.



Species Scientific Name	Common Name	NP&W Act	EPBC Act	Data Source	Date of Last Record	Species Known Habitat Preferences	Likelihood of Use for Habitat - Comments
<i>Aphelocephala leucopsis</i>	Southern Whiteface	-	VU	Protected Matters Search (2024)	Unknown (Species or species habitat known to occur within feature area)	Southern whitefaces live in a wide range of open woodlands and shrublands where there is an understorey of grasses or shrubs, or both. These areas are usually in habitats dominated by acacias or eucalypts on ranges, foothills and lowlands, and plains (Department of Climate Change, Energy, the Environment and Water, 2023)	<b>Unlikely.</b> There are no historical observations recorded within <i>NatureMaps</i> within the preceding 20 years or within 50 km of the Project Area, despite the species being widely recorded throughout the rest of the state. This would indicate it is unlikely to be present.
<i>Falco hypoleucos</i>	Grey Falcon		VU	Protected Matters Search (2024)	Unknown (Species or species habitat known to occur within feature area)	The species frequents timbered lowland plains, particularly acacia shrublands that are crossed by tree-lined water courses. The species has been observed hunting in treeless areas and frequents tussock grassland and open woodland, especially in winter (Threatened Species Scientific Committee, 2020)	<b>Unlikely.</b> The species is rare with a very large distribution, decreasing the likelihood of observation data. Data available on <i>NatureMaps</i> does not contain any records of the species within 75 km of the Project Area. Notwithstanding this, the Project Area contains limited preferred habitat for the species.



Species Scientific Name	Common Name	NP&W Act	EPBC Act	Data Source	Date of Last Record	Species Known Habitat Preferences	Likelihood of Use for Habitat - Comments
<i>Grantiella picta</i>	Painted Honeyeater	-	VU	Protected Matters Search (2024)	Unknown (Species or species habitat known to occur within feature area)	The species inhabits mistletoes in eucalypt forests/woodlands, riparian woodlands of black box and river red gum, box-ironbark-yellow gum woodlands, acacia-dominated woodlands, paperbarks, casuarinas, callitris, and trees on farmland or gardens. The species prefers woodlands which contain a higher number of mature trees, as these host more mistletoes. It is more common in wider blocks of remnant woodland than in narrower strips (Department of the Environment, 2015)	<b>Unlikely.</b> No suitable habitat present within areas under application.
<i>Neophema chrysostoma</i>	Blue-winged Parrot	V	VU	Protected Matters Search (2024)	Unknown (Species or species habitat known to occur within feature area and within area overfly marine area)	A partial migrant, variable numbers of birds migrate across Bass Strait in winter. During the non-breeding period, from autumn to early spring, birds are recorded from northern Victoria, eastern South Australia, south-western Queensland and western New South Wales. Blue-winged parrots inhabit a range of habitats from coastal, sub-coastal and inland areas, through to semi-arid zones. They tend to favour grasslands and grassy woodlands and are often found near wetlands both near the coast and in semi-arid zones (Department of Climate Change, Energy, the Environment and Water, 2023).	<b>Unlikely.</b> Very limited preferred habitat within the Project Area. No records with 75 km of the Project Area.

MAMMALS



Species Scientific Name	Common Name	NP&W Act	EPBC Act	Data Source	Date of Last Record	Species Known Habitat Preferences	Likelihood of Use for Habitat - Comments
<i>Macrotis lagotis</i>	Greater Bilby (Bilby)	V	VU	NatureMaps (2024)	12-Dec-2017	There are three main locations for wild populations within Australia, located within the Tanami Desert in NT; The Gibson Desert, Little Sandy Desert, Great Sandy Desert and parts of the Pilbara and Southern Kimberley within WA; and one isolated population in South-west Queensland, approximately in the area between Boulia and Birdsville in QLD. Populations within SA are predominately within fenced reserves. (Threatened Species Scientific Committee, 2016).	<b>Unlikely.</b> One (1) observation is present within 10km of the Project Area. This record appears to be an anomaly, and has location notes of "Yookamurra Sanctuary" which would indicate a spatial error as the sanctuary is not located within this region.
<i>Notomys fuscus</i>	Dusky Hopping-mouse	V	VU	NatureMaps (2024) Protected Matters Search (2024)	06-Aug-2019	The Dusky Hopping-mouse inhabits arid areas of Australia with sand dunes or sand plains with hummocks and water nearby. The species is predominantly restricted to the dune crests with only a few observations of the species in the surrounding gibber areas (Department of the Environment, 2025)	<b>Unlikely.</b> No suitable habitat within the Project Area.
<i>Petrogale xanthopus xanthopus</i>	Yellow-footed Rock-wallaby	SP	VU	NatureMaps (2024) Protected Matters Search (2024)	06-Jul-2017	The Yellow-footed Rock-wallaby inhabits rocky outcrops in semi-arid country, ranging from sandstones, limestones and conglomerates in the Flinders Ranges, to granites in the Gawler Ranges and Olary Hills (Department of the Environment, 2025).	<b>Unlikely.</b> No suitable habitat within the Project Area, with previous observational records restricted to the Gammon Ranges to the south of the Project Area.



Species Scientific Name	Common Name	NP&W Act	EPBC Act	Data Source	Date of Last Record	Species Known Habitat Preferences	Likelihood of Use for Habitat - Comments
<i>Pseudomys australis</i>	Plains Rat		VU	Protected Matters Search (2024)	Unknown (Species or species habitat known to occur within feature area)	The Plains Rat is primarily found in gibber (stone-covered) plains and mid slopes with boulders, small stones and gilgais (water soaks, depressions). In years of very good rainfall, this species occur on adjoining sandy plains. During poor conditions, core refuge areas may occur on low-lying gilgais and watercourses of gibber plains (Department of the Environment, 2025)	<b>Unlikely.</b> <i>NatureMaps</i> observation data indicates the species has not been recorded within 50 km of the Project Area.
REPTILES							
<i>Aspidites ramsayi</i>	Woma	R		<i>NatureMaps</i> (2024)	11-Jul-2014	Found in desert dunefields and on sandy plains, usually with hummock grasses but also other natural vegetation. They often inhabit rabbit burrows but may also excavate shelters under hummock grasses or dense bushes. The majority of recent sightings of Woma Pythons in South Australia have come from sandy areas predominantly along the Birdsville and Strzelecki Tracks (South Australian Arid Lands Natural Resources Management Board, 2011).	<b>Possible.</b> While there have been no recorded observations within the Project Area, there have been multiple sightings along the Strzelecki Track, approximately 25 – 45 km north of the Project Area. There is suitable habitat present within the Project Area and their nocturnal, shy nature may be the cause of no previous observations, rather than their lack of presence.

National Parks and Wildlife Act (NP&W Act)	
<i>Abbreviation</i>	<i>Meaning</i>

Environmental Protection Biodiversity Conservation Act (EPBC Act)	
<i>Abbreviation</i>	<i>Meaning</i>



R	Rare
V	Vulnerable
E	Endangered
ssp	Sub-species
sp	Unspecified species

R	Rare
VU	Vulnerable
EN	Endangered
ssp	Sub-species
sp	Unspecified species



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# **Attachment 6**

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Plains Wanderer Technical Memorandum



**To:**

**From:**

Louise Jaunay

**Company:** Department for Infrastructure and  
Transport

**SLR Consulting Australia Pty Ltd**

**Date:**

20 August 2025

**Project No.** 655.V10357

**RE: Strzelecki Track Upgrades**

**Significant Impact Assessment Plains-wanderer (*Pedionomus torquatus*)**

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The Department for Infrastructure and Transport (DIT) have been progressively upgrading the Strzelecki Track, a remote transport route consisting of 470 kilometres of road, from an unsealed to a sealed road. The project, given the length of upgrades required, has been conducted in stages, with necessary environmental approvals being obtained prior to construction works commencing.

During the approval process for native vegetation clearance associated with the upgrade between Maintenance Markers (MM) 369-396, the threatened fauna species Plains-wanderer (*Pedionomus torquatus*), listed Critically Endangered under the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act), was identified as potentially occurring within the project area by anecdotal records obtained by the Arid Lands Landscape Board which were not publicly available at the time to the Native Vegetation Clearance report being prepared. Subsequently, a Significant Impact Assessment was completed to determine the potential impacts to the species and determine if a referral under the EPBC Act would be required.

The assessment was prepared in accordance with the *Significant Impact Guidelines 1.1 - Matters of National Environmental Significance* (Significant Impact Guideline) (DEWHA, 2013), and examined the requirements of a significant impact assessment for a Critically Endangered species; specific species information relevant to the Plain-wanderer, such as critical habitat requirements; and the extent to which the project is likely to impact the species.

The results of the assessment determined that the proposed upgrade is unlikely to have a significant impact upon the Plains-wanderer, within the meaning of the Significant Impact Guidelines and an EPBC Act referral for the upgrades is not required. This was determined based upon the condition of the habitat proposed to be cleared and the area and dimensions of the habitat being cleared.

Currently, the stage of upgrades between MM 300-369 is under application for native vegetation approval. The following information is provided as justification that the results of the Significant Impact Assessment completed for MM 369-396 is applicable to MM 300-369.

## **MM 300-369 Proposed Upgrades**

The upgraded typical road formation will be based on single lanes of 3.5 metres with a total Construction Activity Zone (CAZ) of 18 m either side of the existing centreline required for the total road formation, including table drains and road batters. Existing cut-off drains will be utilised to ensure water movement away from the road formation in rain events.



Sections identified as water crossings and flood ways will be stabilised with a required CAZ of 18 m either side of the existing centreline. A series of Maintenance Turn Around Points (MTPs) will also be required during construction. Most of these are existing and require no new vegetation clearance, however, there are four (4) proposed new MTPs that will be required to be formed.

Most of the above construction activities will be contained within the existing road formation and maintenance activity zone (MAZ) and will not require any native vegetation clearance, however, there are some areas where activities extend beyond the current MAZ. Specifically, these areas are:

- A linear strip of vegetation either side of the road formation, of approximately 2.5 m, where the CAZ will extend past the current MAZ,
- Four (4) new MTPs,
- The establishment of one (1) new campsite/stack site
- The extension of one (1) existing campsite/stack site
- The establishment of one (1) new stack site
- The extension of four (4) borrow pits.

The above construction activities are consistent with those that were planned for MM 369-396, where the following was proposed:

- A linear strip of vegetation either side of the road formation, of approximately 3.8 m wide, where the CAZ will extend past the current MAZ,
- Four (4) new MTPs,
- The extension of one (1) cut-off drain, and
- The extension of one (1) borrow pit.

## Existing Site Conditions

Field assessments between MM 300-369 found the topography and vegetation changed through the area with the landscape consisting of expansive Gibber Plains, dissected by a number of small drainage lines on hill sides with a few larger creeklines. This created alternations between dry, expansive plains, and gentle undulating hills leading into wide floodplains.

Vegetation associations were classified at a broad level, and based upon landform as well as dominant species, as was appropriate for the context of the landscape and the assessment methodology. The vegetation associations are connected to surrounding native vegetation and are consistent with regional associations which are well represented. Land use is predominately grazing, with the vegetation showing some evidence of current grazing, particularly within water ways.

Several of the vegetation associations were consistent with the vegetation associations recorded along MM 369-396, particularly the open low shrublands dominated by *Sclerolaena* spp. and *Maireana* spp. on Gibber Plains.





## Relevance to Plains-wanderer

### Habitat

Plains-wanderers are ground dwelling birds living in semi-arid, lowland native grasslands that typically occur on hard red-brown soils in Queensland, NSW, Victoria and South Australia. Habitat structure appears to play a more important role than plant species composition. Preferred grassland habitat of the plains-wanderer typically comprises 50% bare ground, 10% fallen litter, and 40% herbs, forbs and grasses (TSSC, 2015). Surveys indicate that plains-wanderers appear to avoid being in close proximity to living or dead trees, with no records of any birds within 300 m of trees of 10 m or greater in height across their strongholds in New South Wales and Victoria. In the Riverina region, the home range of individual plains-wanderers vary in size from 7–21 hectares (ha) (DoE & DEWNR, 2016).

Plains-wanderers feed on a mixture of seeds, leaves and invertebrates, with seeds and leaves accounting for nearly 60% of the annual diet. Seeds and leaves are taken from grasses (including native species of *Austrostipa*, *Sporobolus*, *Panicum*, *Austrodanthonia*, and *Eragrostis* and occasionally exotic species of *Vulpia*), chenopods (including species of *Atriplex*, *Maireana*, *Chenopodium* and *Sclerolaena*) and other plants (such as native species of *Asperula*, *Galium*, and *Euphorbia* and possibly exotic species of *Spergularia* and *Carthamus*). They occasionally occur in other types of habitat such as in stubble; amongst low cereal crops; and in low, sparse chenopod shrubland (DoE & DEWNR, 2016).

During the SIA for MM 369-396, it was identified that several species of plants that provide foraging opportunities for the Plains-wanderer were recorded during the vegetation surveys of the section between MM 369-396. These species, predominately *Eragrostis*, *Atriplex*, *Maireana*, and *Sclerolaena* were also recorded within the vegetation surveys of the section between MM 300-369.

According to the National Recovery Plan for the plains-wanderer, habitat critical to the survival of the species includes any region where the species is mapped as likely to occur, and any newly discovered locations that extend the likely range of the plains-wanderer (DoE & DEWNR, 2016).

### Identified Threats

Threats to this species include:

- Habitat loss and fragmentation as a result of land conversion for the cultivation of crops, including the introduction of pasture species, weeds, and woody vegetation
- Inappropriate grazing, including both over and under grazing by domestic livestock and rabbits.
- Low population size, which increases the risk of extinction
- Predation by foxes, cats, and birds of prey
- Pesticide use, particularly for the historical control of the Australian plague locust
- Planting and natural recruitment of trees in or near native grasslands.

### Assessment of Significance

As with the completed SIA for MM 369-396, the vegetation within project area is not considered critical habitat for the species. This is based upon the records obtained during the desktop assessment being consistent with the Commonwealth mapping where “species





or species habitat may occur” and do not constitute any newly discovered locations that extend the likely range.

The vegetation proposed to be removed is similar in condition and geometry to the vegetation between MM 369-396 as per the SIA. The vegetation being removed is largely consisting of linear strips that have been subject to previous clearing from routine road infrastructure maintenance, and ecological assessment evidenced the present of weed colonisation, uncontrolled grazing and impacts of degradation through dust deposition, and public use (such as littering).

As with the SIA for MM 369-396, if a population persists within the area between MM 300-369, mitigation measure detailed within the CEMP and relevant sub-plans will mitigate any residual impacts to the species. Once the road upgrade has been completed, any rain event is likely to be directed, through cut-off drains, to move water away from the road formation and into the roadside verges. This will also ensure that rainwater is not absorbed into the current sand/dirt substrate and ‘lost’. This redirection of water will likely facilitate a flush of new growth within the roadside verges. Whilst the landscape is, and will continue to be, unfenced, grazing pressure is still likely, however, the increased availability of water may likely benefit these communities to enable the recolonisation of native plants which will serve to benefit plains-wanderer in the long term. The sealing of the road will also likely decrease the existing dust deposition on plants to generate a healthier community to facilitate the regrowth of availability of native grass species, chenopods and other plants which are key components to the diet of plains-wanderer.

Consistent with the assessment completed for MM 369-396, the above determines that the road upgrade is unlikely to have a significant impact upon plains-wanderer, within the meaning of the Significant Impact Guidelines. Therefore, an EPBC referral for the Action is not required.

## Closure

Thank you for retaining SLR to provide this service. We wish you well and look forward to working with you again. Should you have questions or require additional information, please do not hesitate to contact the below.

Sincerely,

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**Louise Jaunay, BApSc**  
Associate Consultant – Ecology and Biodiversity

