



Doc ID: EP-03937

24 October 2025

Mr. David Low  
Taiton Resources Limited  
Level 13, 200 Queen Street  
Melbourne, VIC, 3000

email: david.low@taiton.com.au

Dear Mr. Low

## Notification of Approved Exploration Program for Environment Protection and Rehabilitation EPEPR

In reference to your final submission dated 2 October 2025, the EPEPR has been approved pursuant to section 70B(5) of the *Mining Act 1971* (the Mining Act).

The approved EPEPR will be made publicly available on the Mining Register and the Department for Energy and Mining (DEM) website. Details of the approved EPEPR are listed below.

<b>Approval Granted to</b>	<b>Taiton Resources Limited</b>
<b>Tenement Type &amp; Number</b>	<i>Exploration License EL6785; EL7012</i>
<b>Program Number</b>	EP-03937
<b>EPEPR Description</b>	12 Month EPEPR- Drilling of 85 RC drill holes to total depth of 12750 m with 85 sumps on EL6785 and 5 RC drill holes to a total depth of 400 m with 5 sumps on EL7012, approximately 140 km northwest of Tarcoola at the Challenger West Project area.

You are reminded that you must always implement and comply with this approved EPEPR.

This approval does not constitute endorsement of the systems that you have in place to manage the mining operations in compliance with the Mining Act. Whilst your capability to undertake this activity has been considered in this approval, the responsibility for compliance with the Mining Act always remains with the tenement holder.

The legislative requirements associated with the EPEPR are outlined below, and certain requirements must be actioned prior to commencement of operations authorised by the EPEPR.

### REGULATION AND COMPLIANCE DIVISION

11 Waymouth Street, Adelaide SA 5000 | GPO Box 320 Adelaide SA 5001  
Tel (+61) 8 429 2502 | ABN 83 768 683 934



<b>1</b>	<b>Rehabilitation Bond</b> DEM has determined the rehabilitation liability estimate to be <b>\$53,251</b> based on the information you have provided. Accordingly, a bond of <b>\$50,000</b> is to be entered into with the Minister for Energy and Mining (Minister). This bond will be formally requested through separate correspondence. The bond must be entered into before authorised operations can commence.
<b>1</b>	<b>Public Liability Insurance</b> Pursuant to Regulation 81 of the <a href="#">Mining Regulations 2020</a> (the Mining Regulations), you are required to provide a copy of a certificate evidencing the insurance coverage over the tenement(s).
<b>2</b>	<b>Compliance Reporting</b> You are required to submit an annual exploration compliance report. The report is required to be submitted <b>within 2 months</b> after the anniversary of the date the licence/ease was granted, or in accordance with joint reporting requirements agreed to with the Minister. Please refer to the DEM <a href="#">website</a> for more information on the reporting requirements.  You are reminded that a separate compliance report is required <b>2 months after</b> the expiry or surrender of the EL.
<b>3</b>	<b>Work, Health and Safety Compliance</b> In accordance with Chapter 10 of the <i>Work Health and Safety Regulations 2012</i> (SA), you must meet the requirements for mine operators in South Australia, which include a notification for mining operations, the establishment of a Safety Management System, the identification of Principal Mining Hazards and development of a Principal Mining Hazard Management Plan. Further information on your responsibilities, including a guide to Chapter 10, and the Mine Operator Notification Form, is available on the <a href="#">SafeWork SA website</a> .
<b>4</b>	<b>EPEPR Timeframe</b> The EPEPR is approved for a period of twelve months from the date of this letter. A further 3 months after expiry of the 12-month period is provided to complete all rehabilitation.

Please note, proposed changes to exploration operations stated in the approved EPEPR may require a EPEPR review to be submitted for assessment. Where a EPEPR review is required, implementation of the operational changes can only occur after the revised EPEPR is approved. Further information on when an exploration PEPR review is required can be found in Departmental guideline [MG22 Conducting mineral exploration](#).

In addition to the requirements under the Mining Act, you are reminded that your operation will have other legislative requirements that you will need to comply with.



If you have any further queries, please contact DEM staff as below:

<b>General enquiries</b>	Cobus Martins Assessment Officer, Exploration Regulation <a href="mailto:DEM.exploration@sa.gov.au">DEM.exploration@sa.gov.au</a>
--------------------------	---

Yours sincerely

A handwritten signature in black ink, appearing to read 'SC' or similar initials.

Simon Constable  
**GENERAL MANAGER, MINERAL EXPLORATION**  
In accordance with delegated powers and functions

The Department's Regulatory Guidelines, Ministerial Determinations and Information Sheets are available at:  
[http://energymining.sa.gov.au/minerals/knowledge\\_centre](http://energymining.sa.gov.au/minerals/knowledge_centre)

# Exploration PEPR - EPEPR | 12 Month PEPR

Reference Number: EP-03937 • Status: **Assessment**

## Select Applicable PEPR

Is historical?

No  Yes

Previous PEPR ID

—

Search PEPRs

—

## Applicant and General Details

### Applicant Details

Shane Tomlinson

Full Name \*

Shane Tomlinson

Business Phone

Mobile Phone

0437058827

Email \*

[shane.tomlinson@taiton.com.au](mailto:shane.tomlinson@taiton.com.au) (mailto:shane.tomlinson@taiton.com.au)

Project Supervisor

Shane Tomlinson  
Exploration Manager



## General Details

### Tenement Details \*

Tenement Type	Tenement Name	Tenement Holder
Exploration Licence	EL 6785	Taiton Resources Limited
Exploration Licence	EL 7012	Taiton Resources Limited

### Operating Company

Taiton Resources Limited

If there is another Operating Company, please provide

Account Name	Entity Type	Registered Address	Registered Email
There are no records to display.			

### Project/prospect name

Challenger West

### Mineral Model

Challenger West project commences 10km west of the 1.2 Moz Challenger deposit. Challenger West covers the Christie Gneiss which includes a range of lithologies including meta-carbonate, magnetite-rich iron formation and clastic metasedimentary rocks.

The style of gold mineralisation being targeted is based on the Challenger deposit where mineralisation occurs in deformed quartz veins within narrow plunging lodes hosted by metapelites of the Christie Gneiss. Challenger has been recognised as an early orogenic gold deposit that has been subject to later deformation and metamorphism that resulted in the remobilisation of gold before concentrating into a series of dilatational structures trending north-northeast. Subsequent lower temperature overprinting is interpreted to have occurred.

### Primary Commodities \*

Commodity Name ↑	Commodity Group	Grade
Gold	Exploration	

## Secondary Commodities

Commodity Name ↑	Commodity Group	Grade
There are no records to display.		

### Project Description

The Challenger West Project (Challenger West) comprises two granted exploration tenements covering a total area of 1,858 km<sup>2</sup>. The project is located approximately 750 km northwest of Adelaide and is accessible via the Stuart Highway and the Challenger Mine Road. All tenements are 100% owned by Taiton Limited.

Challenger West is located in the western Gawler Craton. The older basement rocks of the Gawler Craton comprise gneisses, meta-sediments, meta-volcanics, and granitoids. Challenger West covers the Christie Gneiss Basement rock underlying Challenger West is interpreted as the Mulgathing Complex. The metasedimentary units of the Mulgathing Complex are collectively termed the Christie Gneiss, which includes a range of lithologies including meta-carbonate, magnetite-rich iron formation and clastic metasedimentary rocks. Rocks of the Christie Gneiss were intruded by mafic and felsic intrusives.

Historically, exploration efforts within the broader project area have primarily focused on the east, near the 1.2 Moz Challenger Gold Deposit. Outside of this area, exploration has been limited to broad calcrete sampling and sporadic reconnaissance drilling programs. High-level targeting has identified geologically prospective setting for gold mineralisation, while soil sampling by Taiton has revealed gold anomalies (values up to 210ppb Au) in areas yet to be drilled.

### Proposed Project Schedule

#### Start Date

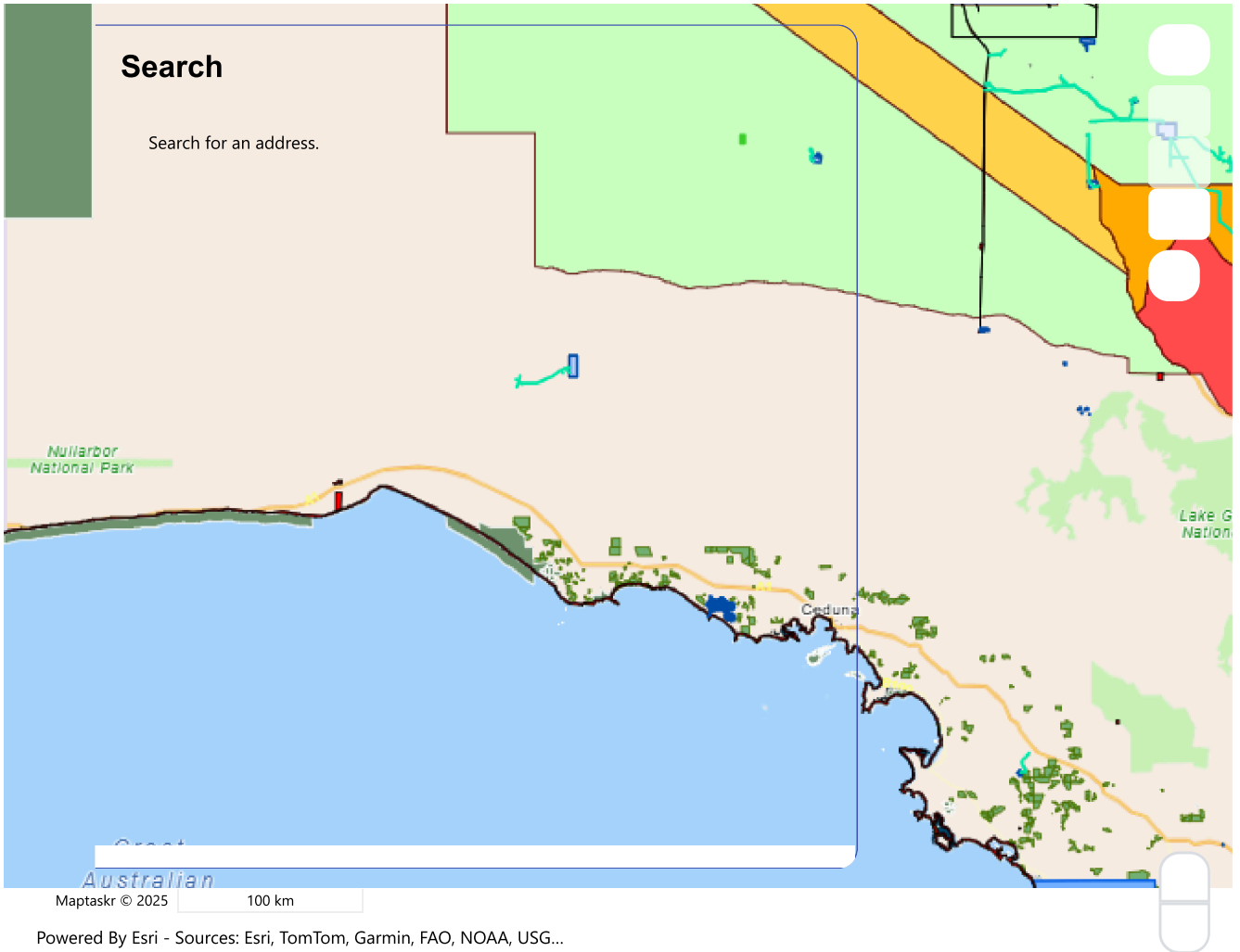
22/09/2025

#### End date

28/08/2026

Clearly describe why a PEPR review is required, summarise all content changes made to the approved PEPR, and provide appropriate justification where a time extension is required.

### Identify Application Area



## Map Layer Intersects

### Application Area Details

Location Description

—

Area (Sqkm)

6.33

### Spatial Data Intersects - Summary Table

Show  entries

Search:

Spatial Layer Name	Category	Referral	Intersect Count
1:250K mapsheets	Other		1
Cadastral Parcels	Other		1
Determinations of Native Title	Other		1
Exploration licences (mineral/opal)	No-Go Area		2
Pastoral Lease Boundaries	Other		1

Spatial Layer Name	Category	Referral	Intersect Count
Registered and Notified ILUAs	Other		2
Schedule of Native Title Claims	Other		1
Terrestrial - BOM Groundwater Dependant Atlas (GDE Atlas)	Other		4
Woomera Prohibited Area - access zones	Restricted Land		1

Showing 1 to 9 of 9 entries

Previous 1 Next

### Spatial Data Intersects - Details Table

Show 10 entries

Search:

Spatial Layer Name	Shape	Primary Attribute	All Attributes	Category
1:250K mapsheets	Shape 1	TALLARINGA	View attributes	Other
Cadastral Parcels	Shape 1	F259682AL4	View attributes	Other
Determinations of Native Title	Shape 1	Antakirinja Matu-Yankunytjatjara	View attributes	Other
Exploration licences (mineral/opal)	Shape 1	EL 7012	View attributes	No-Go Area
Exploration licences (mineral/opal)	Shape 1	EL 6785	View attributes	No-Go Area
Pastoral Lease Boundaries	Shape 1	MOBELLA	View attributes	Other
Registered and Notified ILUAs	Shape 1	Antakirinja Area Minerals Exploration ILUA	View attributes	Other
Registered and Notified ILUAs	Shape 1	Mobella Pastoral ILUA	View attributes	Other
Schedule of Native Title Claims	Shape 1	Antakirinja Matu-Yankunytjatjara Aboriginal Corporation RNTBC	View attributes	Other
Terrestrial - BOM Groundwater Dependant Atlas (GDE Atlas)	Shape 1	21045	View attributes	Other

Showing 1 to 10 of 14 entries

Previous 1 2 Next

## Program Preparation

## Work undertaken in preparing the proposal

1. Open file (SARIG) data compilation. Historical surface sampling and drill hole datasets.
2. Review of government datasets including; Nature Maps, SA DEM, Water Connect, Australian Dept. Environment & Energy (EPBC Protected Matters) and SA Dept. for Environment and Water
3. Reprocessing open file geophysical datasets to carry out a litho-structural and targeting review.
4. Integrate geochemical datasets into targeting.
7. Broad Ultrafine soil sampling programme (100m by 200m grid) carried out over litho-structural target. Infill sampling to 50m by 50m across areas of gold and pathfinder element anomalism.
8. Heritage survey completed mid-August to support EPEPR. Preliminary approval for exploration drill programme.

## Operator Capability

Taiton has been conducting exploration at the Challenger West project since early 2024. Taiton's exploration programmes are designed and executed by our Exploration Manager (30 years' experience) and Field Supervisor (30 years' experience). To carry out exploration Taiton using a combination of operating procedures and plans. Underpinning the procedures and plans is the Mining Act 1971, Mining Regulations 2020 and Work Health and Safety Act 2012 (SA) and the Work Health and Safety Regulations 2012 (SA).

Procedures and plans are developed using risk assessments. Applicable documents to carry out this EPEPR include;

1. All personnel who arrive on site carry out a site induction which covers safety, heritage and environment.
2. All Sites Mine Safety Management Plan.
3. Natural Environmental Hazards Guidelines.
4. Working Around Mobile Equipment Procedure.
5. Challenger West Emergency Response Plan.
6. Radiation Management Plan.
7. Exploration Clearing and Excavation Plan
8. Exploration Rehabilitation Plan
9. Vehicle Cleaning and Inspection Plan
8. Environmental Exploration Management Plan

The drilling will be completed by a drill contractor, which will be selected at a later date. The drill contractor will have their own operating procedures and plans, which Taiton will review as part of the contractor selection process.

## Lease Conditions

The Challenger West Project is situated on the traditional lands of the Antakirinja Matu-Yankunyjtjajara people, who are represented by the Antakirinja Matu-Yankunyjtjajara Aboriginal Corporation (AMYAC). Taiton has established a heritage agreement for the project and has conducted multiple heritage surveys to support exploration activities, including soil sampling, geophysical surveys and drilling across other Taiton projects.

## Land Access

### Identify the Owners of Land and authority to access land

Land Title Reference	Plan Parcel Reference	Type of Land	Owner of Land	Land Access Authorisation Method	Date of Form 21 or Agreement Signed	Instrument or Uploaded Document Id	Uncheck land not applicable to your application ar
CL 6299/447	F25968 2AL4	Leasee	Jumbuck Pastoral	Service of Notice of Entry	08/09/2025	Mobella_Form21B_ September 2025	Checked

### Is any of the application area over a road, street or highway

No

## Woomera Prohibited Area (WPA)

**Will activities be conducted within the WPA**

Yes

**In which zone will activities be conducted?**

Name	Are you intending to undertake work?	Closure start date	Closure end date
Defence infrequent zone	Yes		

**Does the tenement holder hold a valid and current Resource Exploration Permit under the WPA Rule?**

Yes

**Permit No.**

REX058-22

**What is the expiry date of the permit?**

06/04/2028

**Does the Exploration Permit allow the operator to conduct exploration operations in the WPA?**

Yes

**Other Land Owned or Controlled by the Commonwealth Department of Defence**

Indicate if you are intending to undertake exploration operations within the identified defence land

No

**Other Commonwealth defence land**

Defence Land	Applicable
There are no records to display.	

**Do you have a Deed of Access with Defence?**

—

**Expiry date of the Deed of Access**

—

Date the Range Control Officer granted permission to conduct the proposed exploration operations.

—

Describe the results of consultation and how any concerns raised were addressed

—

## Native Title

Does 'Native Title land' exist within the application area?

Yes

Using the table below, describe how you have complied with the requirements of Part 9B of the Mining Act for each tenement.

Name of Determined / Claimant Group	Agreement Type	Instrument Number	Applicable
Antakirinja Matu-Yankunytjatjara			No
Antakirinja Area Minerals Exploration ILUA			No
Mobella Pastoral ILUA			No
Antakirinja Matu-Yankunytjatjara Aboriginal Corporation RNTBC	Native Title	52210	Yes

Provide any additional relevant information

Tenement EL7012 has been added to instrument 52210/NTMA. See attached letter 258-241011 - Taiton Resources - Exchange of letters - ELs 6857\_7012

## Exempt Land

### Exempt Land

Has Exempt land been identified?

No

If a "Waiver of Exemption" has been reached to waive the benefit of the exemption, a notice of the agreement must be given to the Mining Registrar, either within 21 days after the agreement was entered into or when an application for the mineral tenement is made under the Mining Act.

In the table below enter the relevant instrument numbers for any Form 23C - Notice of wavier of exemption provided to the Mining Registrar.\*

Land Title	Plan Parcel	Owner of Land that has benefit of exemption ↑	Why is the land exempt land?	Waiver of exemption(s) been negotiated	Instrument Number or Uploaded Document Id
CL 6299/447	F259682 AL4	Jumbuck Pastoral			

## Consultation

### Consultation

Stakeholder ↑	Land Use	Matters raised	Stakeholder concerns raised and how addressed
Jumbuck Pastoral - Mobella Station	Grazing	No issues raised for the drilling directly. Issues a broadly in line with timing and station operations (particularly lambing season) and operating heavy equipment during rain periods.	Taiton will schedule exploration to avoid adverse any potential adverse impact on livestock and weather. Taiton have made several visits to Mobella station and had many discussions with the Station Managers to keep them informed of exploration activities. The Station Managers have experience with exploration as there are several companies that have carried out various exploration programs over many years. Taiton will look to utilise station equipment (loader and grader) to facilitate exploration. The station managers have not raised any concerns regarding the drilling program at this stage, but the company will continue to communicate and update prior to and during any exploration campaigns.

If any individual or group of similar affected persons were not able to be consulted, what steps were taken to consult with them?

N/A

Provide any additional relevant information.

N/A

Describe any council policies (or out of council) or development plans that may impact the program area and a description of any known plans for future land use changes by other parties.

N/A

## Description of Environment

### Proximity to Infrastructure and Housing

Provide the following information:

The Challenger West project is located approximately 170km northwest of Tarcoola. The closest operation is the Challenger mine, which is on care and maintenance, located approximately 40km to the east. Other infrastructure in the broader area is the Indooroopilly Outstation located 18km to the east on the boundary of EL6785 and the Darwin railway line approximately 130km to the east. The area for exploration consists of fence lines and associated unsealed station tracks.

Attach Files 

Expand/Collapse

File Name	File Size (Mb)	Created On	Download
Challenger West Infrastructure Map.pdf	0.15 Mb	22-08-2025 16:32:03	<a href="#">Download (MERS/EP-03937/Proximity to infrastructure/Challenger West Infrastructure Map_2025-08-22T07-02-05.885Z.pdf)</a>
Challenger West Location Map.pdf	0.53 Mb	22-08-2025 16:14:52	<a href="#">Download (MERS/EP-03937/Proximity to infrastructure/Challenger West Location Map_2025-08-22T06-44-55.510Z.pdf)</a>

### Landform, topography, soil and surface cover

Describe the topography and soil and surface cover (e.g. gibber) of the general area affected by the exploration program. Include details on the susceptibility to compaction, erosion, dust, runoff and visual attributes (steep or undulating slopes, plains, rocky outcrops, dunes, salt pans, clay pans etc) any other characteristics (e.g. acid sulphate soils) that may require control strategies to reduce environmental impacts during operations or rehabilitation.

The major landforms within this region include low open shrubland and woodlands, and dendritic drainage systems within sandy sediment plains and metasediment rock (occurs as float). The Project Area is located in an arid climate that experiences high temperatures, very low rainfall and high evaporation throughout most of the year.

#### Attach Files

[Expand/Collapse](#)

File Name	File Size (Mb)	Created On	Download
CW Surface Geology.pdf	0.68 Mb	25-08-2025 10:53:27	<a href="#">Download (MERS/EP-03937/Landform, topography/CW Surface Geology_2025-08-25T01-23-34.239Z.pdf)</a>

## Surface Water

Will the proposed program interfere with surface water bodies and natural drainage (e.g. drainage lines, creeks, floodplains, wetlands)?

Yes

Describe the potential interference and surface water bodies and natural drainage on maps.

Potential for small seasonal drainage lines occur in the area of interest may exist. During the proposed drill program potential disturbance to natural drainage will be negligible. Any disturbance will be limited only to possible minor modification of drainage lines to enable safe passage of vehicular equipment. This will be avoided if possible. In the event of disturbance to a natural drainage line it will be rehabilitated immediately following completion of associated exploration activities.

Indicate how you will avoid disturbance

Potential for small seasonal drainage lines occur in the area of interest may exist. During the proposed drill program potential disturbance to natural drainage will be negligible. Any disturbance will be limited only to possible minor modification of drainage lines to enable safe passage of vehicular equipment. This will be avoided if possible. In the event of disturbance to a natural drainage line it will be rehabilitated immediately following completion of associated exploration activities.

Is the program area located within water protection areas defined under the River Murray Act 2003?

No

Select the name(s) of protected water areas

---

Is the program area located within any prescribed watercourses or prescribed surface water areas under the Landscape?

No

Select the name(s) of the prescribed watercourses or prescribed surface water areas under the Landscape South Australia Act 2019.

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Attach Files 

File Name	File Size (Mb)	Created On	Download
CW Water Features Map.pdf	0.14 Mb	25-08-2025 10:51:30	<a href="#">Download (MERS/EP-03937/Surface water/CW Water Features Map_2025-08-25T01-21-40.039Z.pdf)</a>

[Expand/Collapse](#)

Name	Applicable
There are no records to display.	

## Groundwater

Is groundwater likely to be intersected when conducting the exploration program?

Yes

Provide evidence or any supporting information demonstrating this.

### Description of the localities/areas where different groundwater conditions may be encountered

Groundwater may be encountered at the proposed drill sites, but it would be very unlikely that the drilling intercept any significant aquifer.

Where groundwater is intersected, any issues will be managed in accordance with the company's groundwater management plan which addresses considerations including:

- Planning (avoidance of known groundwater systems where possible, such as defined paleochannels)
- Drill hole planning (e.g. where groundwater is expected (stratigraphically, geographically) ensuring the physical properties of the groundwater is appropriately considered)
- Aquifer management (e.g. drilling/operating protocols suitable for the expected conditions, as per DEM's information sheet M21)
- Containment (managing surface impacts from groundwater)
- Statutory reporting as required, eg intersection of artesian water flows
- Hole completion & rehabilitation (drill holes plugged/abandoned in accordance with guidance in M21). Specifically:
  - o Unconfined basement fracture hosted water (non-artesian) – backfilling aquifer with drill cuttings to surface & plugging/capping drill collar
  - o Confined aquifers (Tertiary age, above basement, non-artesian) – grouting each aquifer with min. 15m grout either side of aquifer position, backfill with drill cuttings to surface + capping/plugging drill collar.

Add the different groundwater conditions for each localities/areas to the table below.

Name ↑	Formation age and/or stratigraphic unit	Stratigraphic intervals (depth range) (m)	Aquifer formation name	Aquifer Interval/thickness (from-to) (m)	Aquifer Type	Aquifer salinity (TDS)	Depth to groundwater (m)	Comments
Challenger West	Paleoproterozoic - Christie Gniess	200	Gawler	50	Unconfined	5000	20	Local flow systems in Precambrian rocks.

Provide the environmental value of each aquifer present determined according to the current Environment Protection (Water Quality) Policy.

Primary Industries – livestock drinking water

Provide a description of the existence, location and value of all Groundwater Dependent Ecosystems (GDE) within and immediately surrounding the project area

Terrestrial Groundwater Dependent Ecosystems in the area of interest and have been classified as Low potential GDE – Acacia woodlands (IDE likelihood = 9) as shown in the attached GDE Atlas Report - Terrestrial.

Is the proposed program located within a prescribed wells area?

No

Select the prescribed wells

---

Is the proposed program located within a prescribed water resource area?

No

Select the prescribed water resource areas

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Provide any additional information

GDE Atlas Report -Aquatic shows no significant aquatic GDE.

Attach Files ⓘ

File Name	File Size (Mb)	Created On	Download
CW TDS Map.pdf	0.13 Mb	25-08-2025 12:57:40	<a href="#">Download (MERS/EP-03937/Groundwater/CW TDS Map_2025-08-25T03-27-47.250Z.pdf)</a>

File Name	File Size (Mb)	Created On	Download
CW Water SWL.pdf	0.1 Mb	25-08-2025 12:57:55	<a href="#">Download (MERS/EP-03937/Ground water/CW Water SWL_2025-08-25T03-28-02.645Z.pdf)</a>
GDE Atlas Report -Terrestrial.pdf	0.13 Mb	25-08-2025 11:34:25	<a href="#">Download (MERS/EP-03937/Ground water/GDE Atlas Report - Terrestrial_2025-08-25T02-04-33.047Z.pdf)</a>
GDE Atlas Report-Aquatic.pdf	0.09 Mb	25-08-2025 11:34:46	<a href="#">Download (MERS/EP-03937/Ground water/GDE Atlas Report-Aquatic_2025-08-25T02-04-53.080Z.pdf)</a>
Water Areas map.pdf	0.26 Mb	21-08-2025 18:29:18	<a href="#">Download (MERS/EP-03937/Ground water/Water Areas map_2025-08-21T08-59-18.928Z.pdf)</a>
Water Province Map.pdf	0.13 Mb	25-08-2025 11:29:40	<a href="#">Download (MERS/EP-03937/Ground water/Water Province Map_2025-08-25T01-59-49.251Z.pdf)</a>

## Native Vegetation

Will you be working within areas of native vegetation?

Yes

Provide the following information:

Low open woodland (GC0002) - Acacia woodland, Acacia aneura complex low open woodland  
 Low open shrubland <1m (GC0015) - samphire shrubland, Atriplex vesicaria ssp., Tecticornia indica ssp. leiostachya+/- Tecticornia medullosa low open shrubland.  
 Low woodland (GC0016) - Casuarina woodland, Casuarina pauper+/-Acacia papyrocarpa+/-Acacia aneura complex+/- Santalum acuminatum low open woodland.

Indicate why you will not be working within areas of native vegetation?

Attach Files 

[Expand/Collapse](#)

File Name	File Size (Mb)	Created On	Download
CW Veg Map.pdf	0.2 Mb	25-08-2025 12:07:11	<a href="#">Download (MERS/EP-03937/Native Vegetation/CW Veg Map_2025-08-25T02-37-17.819Z.pdf)</a>
SA Vegetation Legend.xlsx	0.01 Mb	21-08-2025 18:36:31	<a href="#">Download (MERS/EP-03937/Native Vegetation/SA Vegetation Legend_2025-08-21T09-06-32.149Z.xlsx)</a>

## Fauna

Describe the native and feral fauna that may be present in the application area, including feral species.

A search of the proposed EPEPR identified no feral animals and only native birds; Brown Goshawk, Little Crow, Nankeen Kestrel, Budgerigar and Zebra Finch.  
 Broader search identified multiple other birds and bigger animals like Red and Grey Kangaroos.  
 No feral animals were recorded within the EPEPR area however a broader search identified; Common Starling, One-humped Camel (Dromedary, Arabian Camel), Goat (Feral Goat), Donkey (Feral Donkey), Domestic Cat (Feral Cat), House Mouse, Rabbit (European Rabbit), Sheep (Feral Sheep) and Fox (Red Fox).  
 Attached is a spreadsheet of the broader search area from Nature website.

## Significant Habitats, Flora & Fauna

Are there any significant habitats, flora and fauna within the project area?

No

Use the table below to list any significant habitats and any rare or endangered flora and fauna species located or reported to have been in the area that may be impacted by the proposed program. Include known sightings of listed species on a locality plan/map.

Species name/habitat	Common name	NPW Act Rating	EBPC Act Rating
There are no records to display.			

## Attach Files

[Expand/Collapse](#)

File Name	File Size (Mb)	Created On	Download
Fauna.xls	0.02 Mb	25-08-2025 12:56:43	<a href="#">Download (MERS/EP-03937/Fauna/Fauna_2025-08-25T03-26-50.459Z.xls)</a>

File Name	File Size (Mb)	Created On	Download
Nature Fauna Sites Map.pdf	0.02 Mb	25-08-2025 12:48:45	<a href="#">Download (MERS/EP-03937/Fauna/Nature Fauna Sites Map_2025-08-25T03-18-52.638Z.pdf)</a>
Nature Flora Sites Map.pdf	0.05 Mb	25-08-2025 12:34:31	<a href="#">Download (MERS/EP-03937/Fauna/Nature Flora Sites Map_2025-08-25T03-04-38.690Z.pdf)</a>

## Weeds and Pathogens

Provide information of the extent the area is affected or potentially affected by weeds and pathogens (e.g. phytophthora; buffel grass *Cenchrus ciliaris*).

The Stuart highway has numerous sites of weeds and occurrences have been recorded at homesteads, see attached maps Weeds A and B.

### Attach Files

[Expand/Collapse](#)

File Name	File Size (Mb)	Created On	Download
Weeds Map A.pdf	0.03 Mb	25-08-2025 12:15:32	<a href="#">Download (MERS/EP-03937/Weeds and Pathogens/Weeds Map A_2025-08-25T02-45-39.828Z.pdf)</a>
Weeds Map B.pdf	0.03 Mb	25-08-2025 12:15:43	<a href="#">Download (MERS/EP-03937/Weeds and Pathogens/Weeds Map B_2025-08-25T02-45-50.358Z.pdf)</a>

## Aboriginal Heritage

Describe the steps taken to identify Aboriginal heritage sites within the proposed area of exploration. Include a statement advising if an Aboriginal heritage survey has been conducted by the proponent and if so, the results of the survey.

A heritage survey was completed in mid-August with provisional clearance. The final report is expected mid-September. No ground disturbing exploration will be commenced prior to delivery of report.

## Environmentally Sensitive Locations

Indicate if you are intending to undertake exploration operations within the environmentally sensitive locations listed.

No

Name	Applicable
There are no records to display.	

Are you likely to impact on the environmentally sensitive area?

—

Detail the likely effects the proposed program may have.

Attach Files 

[Expand/Collapse](#)

File Name	File Size (Mb)	Created On	Download
No Files Uploaded			

## Exploration Operations

### Equipment and Personnel requirements

Using the table below, describe the maximum composition of field crews (operator, contractors, and geologists) and proposed working hours/days for each type of activity.

Type of Personnel	Number	Name of contractor company (if applicable)
Geologists	1	Taiton Resources Ltd
Field assistants/technicians	1	Taiton Resources Ltd
Site Preparation and rehabilitation	1	TBC
Drilling Crew	3	TBC

Shifts worked per day	Hours worked per day	Days worked per week
1	11	7

Using the table below, describe the equipment (size, number and contractor details) required to conduct the proposed operations.

Name	Owner/Operator	Description/capacity	Activity/purpose
Reverse Circulation Drill Rig	TBC	combined 2500cfm@1000psi, rig is 1350cfm@500psi, auxiliary compressor is 1150cfm@350psi and the booster is 2400cfm inlet at 1000psi. Depth capacity is 650 metres with 4.5" rods and drilling 5.75" hole.	Drill reverse circulation (RC) holes.
Support / Rod Truck	TBC	8WD truck 8 -10 m in length	Carry water and fuel for drilling.

### Low impact exploration activities

Will low impact exploration operations be conducted that are not covered by the Generic program for environment protection and rehabilitation – low impact mineral exploration in South Australia, (generic PEPR)?

No

Describe each type of low impact operations proposed.

### Drilling Operations

Will exploration drilling Operations be conducted?

Yes

Fill out the below table

Tenement	Drilling Types	Maximum number of drillholes	Maximum drillhole depth (m)	Number of drill pads	Maximum number of sumps required at each site	Maximum size of sumps (length x depth x width)	Average size of each drill pad	Number of sites requiring pad excavation	Average volume of material to be excavated
EL 6785	Reverse Circulation	85	150.00	1	1	48.00	400.00	0	0.00
EL 7012	Reverse Circulation	5	80.00	1	1	48.00	400.00	0	0.00

Other Drilling Method(s)

## Drillsite preparation

If exploration drilling activities are proposed, describe the methods used to prepare sites, including vegetation clearance requirements, site levelling and digging of sumps.

- Clearing will be kept to an absolute minimum using a low loader or grader with a raised blade to clear the surface material and limiting soil disturbance.
- Cleared vegetation will be stockpiled for respreading during rehabilitation as part of erosion control.
- It is estimated that RC drill pads would approximate 20m x 20m or less however the shape will always be determined by the natural contour of the area. Use will be made of cleared areas from previous agricultural activities and/or naturally clear or low vegetation areas.
- Sumps will be dug to direct water from collar and outside return. Sumps will be designed with at least one shallow side so small fauna can easily escape. The nominal size of a sump is 6m(W) x 4m(L) x 2m(D). Sumps will be egressed so as to allow any fauna to exist the sump.
- Collar positions will be moved where possible to flat lying surface to avoid cut and fill of the surface. Site levelling will be kept to a minimum by moving the loose surface material and using the levelling capability of the drilling rig.

## Drillhole construction and decommissioning

### Drillhole construction and decommissioning

Drill holes will require <6m of PVC surface casing to keep the hole collars open. The collar casing maybe set using a biodegradable foam. On completion of the hole the collar is temporarily sealed using a plastic or pre-made cement plug to seal the hole from fauna access.

The PVC casing will be cut approximately 1m below the surface during rehabilitation of the collar.

The hole will be permanently plugged using a cement plug set up to 1m below surface with dirt filled back over the hole to surface.

**Have the personnel responsible for implementing the proposed program read and understood the Earth Resources Information Sheet M21, Mineral exploration drillholes – general specifications for construction and backfilling?**

Yes

**Describe how drillholes will be constructed, including the casing material to be used, depth of casing, if the casing will be cemented, cementing intervals and the class of driller that will install the casing.**

A collar will be set to a minimum 6m using PVC casing and secured / sealed using biodegradable foam. Water in the course of drilling will be directed to sumps for containment.

**When describing drillhole decommissioning requirements, include the materials to be used, stratigraphic intervals where cement plugs will be placed, if the casing will be removed and when decommissioning will occur after drilling is completed.**

At the completion of hole use the PVC casing will be pulled out of the ground or cut-off at least 1m underground and the hole will be backfilled as much as possible with drill cuttings.

The hole will be permanently capped using a pre-made concrete plug set approximately 1-3m below the surface with dirt filled above plug to surface. All non-natural material will be removed and appropriately disposed in designated landfill sites. All drill cutting and samples not required will be used to backfill the drill hole. Excess may be buried in the sump or disposed of at a waste disposal depot. The ground will be re-contoured, and the preserved topsoil will be restored. Should unexpected aquifers be encountered they will be separated and plugged according to best practice and SADEM guidelines (e.g. guidelines M21).

Attach Files 

**Expand/Collapse**

File Name	File Size (Mb)	Created On	Download
Drill hole rehab image.pdf	0.23 Mb	25-08-2025 13:22:15	<a href="#">Download (MERS/EP-03937/Drillhole construction and decommissioning/Drill hole rehab image_2025-08-25T03-52-22.364Z.pdf)</a>

## Costeans and bulk sample disposal pits

Will costeans/bulk sample disposal pits be required for the proposed program?

No

Tenement	Number of costeans/pits	Size of costean (length x width) (m2)	Average depth (m)	Volume excavated (m3)	Total Volume Excavated (m3)	Total area of disturbance
There are no records to display.						

Describe site preparation methods, vegetation clearance, and safety and maintenance requirements

## Sample management

Describe the size of samples collected (including drilling samples and bulk sampling), collection methods, materials used when collecting the sample, sample disposal methods (including removal of sample bags), safety management and any other sample management requirements at the exploration site (e.g. tarps or matting used to contain cuttings). Include requirements for on-site geological sample management (splitting of archive samples, bag farms, core processing and storage).

RC chips - drilled intervals will be collected at 1m intervals consisting of a sample split (used for geochemical analysis) and the sample reject. The sample reject will be collected in a bucket and laid out on the ground within the drill pad in orderly rows so allow for geological logging. These samples weigh between 10 - 30kg each. If the samples become too wet, they will be collected in biodegradable plastic bags to contain the sample.

The sample split used for geochemical analysis is collected using a cyclone splitter attached to the rig. These samples will weigh between 2 – 4kg and are placed adjacent to the reject sample pile. No bag farms are required. Samples will be returned downhole as soon as possible after assaying is complete. Cuttings unable to be returned downhole will be disposed of in the sumps, which will then be backfilled.

The calico sample bags will be packed into poly-weave sacks and then bulka bags for transport to laboratories in Adelaide.

Sample weights for will be managed in accordance with Taiton manual handling procedures.

## Access routes to work areas

**Will existing tracks require upgrading and/or maintenance?**

No

**Detail the work required to upgrade/maintain existing tracks.**

—

**Will access be required across adjoining tenements?**

Yes

**Detail the method(s) for gaining access, and if an agreement is in place with all stakeholders. Include the total area of disturbance required (i.e. length (km) and width (m) of tracks) and provide on a locality map.**

Access will be required across adjoining tenements however both tenements are within the same pastoral lease and native title area so gaining access will not be an issue as demonstrated by recent heritage survey and previous low impact exploration. No new tracks are required to access proposed EPEPR area.

**Will access off existing tracks be required?**

Yes

**Detail the method(s) for gaining access and if vegetation clearance is required. Details of the total area of disturbance (includes drill traverses and seismic lines) required off existing tracks (i.e. length (km) and width (m) of new tracks) must be provided in the program notification.**

Only minimal works will be required to gain access to drill sites. As the drilling equipment is all-wheel-drive, roads will not need to be established. In certain circumstances it may be necessary to use the bucket of the front-end loader to remove loose rocks or debris.

Tracks will be constructed in accordance with DEM's Earth Resources Information Sheet M33, with the following principals highlighted:

- Access routes will be chosen where possible to avoid clearance of native vegetation and the need to use bladed equipment (eg grader, loader or bulldozer) to create the access route. Access will essentially be across the existing land surface wherever possible.
- Where vegetation clearance is required, smaller plants and common species (eg bluebush, saltbush, mulga) will be cleared in preference to less common and more mature or larger specimens. Listed species and sensitive habitats (eg nesting sites) will be avoided.
- Any vegetation clearance will be undertaken by hand-methods where-ever practicable, otherwise by employing 'blade-up' methods to minimise the impacts to the soil profile and root stock and creating longer term impacts. In rare instances it may be necessary to use a blade or bucket to level rough or excessively sloping surfaces for operational safety requirements. In such cases the original landform will be reinstated as soon as practicable post-exploration.
- Any new access tracks will be designed to enable rehabilitation that seeks to minimise post-exploration visibility and the likelihood of third-party access.

A total proposed disturbance length is 24.8km and width is 4m if all drill lines are used (see EPEPR Proposed Ground Disturbance PDF).

**Attach Files** 

[Expand/Collapse](#)

<b>File Name</b>	<b>File Size (Mb)</b>	<b>Created On</b>	<b>Download</b>
EPEPR Proposed Ground Disturbance.pdf	0.58 Mb	25-08-2025 14:03:39	<a href="#">Download (MERS/EP-03937/Access routes to work areas/EPEPR Proposed Ground Disturbance_2025-08-25T04-33-46.461Z.pdf)</a>

File Name	File Size (Mb)	Created On	Download
Route to Site.pdf	0.52 Mb	25-08-2025 13:43:43	<a href="#">Download (MERS/EP-03937/Access routes to work areas/Route to Site_2025-08-25T04-13-51.205Z.pdf)</a>

## Campsites and equipment laydown areas

Indicate where staff and contractors will be accommodated during the exploration program.

Challenger mine site will be used for accommodation and equipment storage at the workshop. Drilling will be carried out on single shift during daylight. When no operating overnight the drill rig and booster truck will remain on / within the drill pad.

What is the maximum number of personnel requiring accommodation?

6

Is a campsite required to be established?

No

Provide a description and justification of the camp location (e.g. previously cleared areas etc.), and any other relevant information.

—

What will be the total area (ha) of the campsite(s)?

—

Will native vegetation clearance be required?

—

What will be the total area (ha) of vegetation clearance for the campsite?

—

Describe the methods used to prepare the campsite including vegetation requirements and site levelling.

—

Will any excavations be required?

—

Describe the purpose of the excavation

—

Describe the maximum volume (m3) of material to be excavated.

—

Provide confirmation that the proposed ablution facilities have been endorsed for use by the Department of Health or local council, where applicable.

—

Indicate why endorsement approval is not required by the Department of Health or local council.

—

Proposed infrastructure (includes caravans, tents, offices, hydrocarbon and water storage requirements etc)

Proposed infrastructure	Quantity	Description / capacity
There are no records to display.		

Will laydown areas be required?

Yes

Will the laydown area(s) be located at the same location as the campsite?

Yes

Provide a description and justification of the location (e.g. previously cleared areas), and any other relevant information if required.

Challenger mine site has an existing laydown area and will not require additional clearing. Equipment remaining overnight within the drill area, i.e. drill rig will remain within a cleared drill pad.

What will be the maximum area (ha) required for the laydown area(s)?

0.50

Will native vegetation clearance be required?

No

What will be the total area (ha) of vegetation clearance for the site?

—

Describe the methods used to prepare the laydown area including vegetation requirements and site levelling.

—

Will any excavations be required?

No

Describe the purpose of the excavation.

—

What will be the volume (m3) of material to be excavated.

—

### Proposed infrastructure (includes hydrocarbon and water storage requirements)

Proposed infrastructure	Quantity	Description / capacity
Water storage	1	Water tank located on the support truck to cart water to the drill rig when required.
Fuel cell	1	Fuel cell to be located at Challenger mines site. Fuel will be transported to the rig on a required basis using support truck with an onboard fuel tank.

Attach Files 

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File Name	File Size (Mb)	Created On	Download
No Files Uploaded			

### Other exploration methods and/or ancillary operations

Are any other proposed exploration methods (e.g. seismic) and/or ancillary exploration operations required?

No

Describe the activity(s), site preparation, vegetation clearance, and safety and maintenance requirements.

### Water supply and management

Will camp and/or drilling water be required?

Yes

Describe how and where water will be sourced for drilling, track maintenance and camping purposes (e.g. groundwater, surface water, mains). Indicate how wastewater and/or runoff water will be managed.

Water for drilling will be sourced from Challenger mine site and transported to site in a support truck. Onboard water is estimated to be 400L. Its estimated potentially up to 200L maybe required per shift for drilling depending drilling conditions and dust suppression needs.

No water will be used for dust suppression of tracks due to the limited use, predominantly for entry and exit at start and end of shift.

Will surface water and/or mineral drillholes be used as a water source/supply?

No

Indicate if a licence for water extraction/usage is required (refer to relevant Natural Resources Management water allocation plan available on the Department for Environment and Water (DEW) website).

—

Attach a copy of the licence or include a statement confirming that a licence will be obtained before the extraction and/or usage of water.

## Groundwater investigation and water affecting activities

Will any water investigation (e.g. pump testing, water monitoring sites, water storage, turkey nests/dams) and/or water affecting activities, be undertaken (refer to s. 127 of the Landscape South Australia Act 2019)?

No

Describe the water investigation and/or water affecting activities, including site preparation, vegetation clearance, and safety and maintenance requirements.

Indicate if water affecting activities permits (eg well and water extraction/discharge permits) have been obtained and in accordance with the Landscape South Australia Act 2019.

—

### Attached Files

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File Name	File Size (Mb)	Created On	Download
No Files Uploaded			

## Management of hazardous materials

Will activities be conducted in areas of known uranium and thorium mineralisation?

No

### Attach Files

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File Name	File Size (Mb)	Created On	Download
No Files Uploaded			

Will any other hazardous material be encountered when exploring in the area?

No

List the types of hazardous materials and provide a management plan on how these materials will be managed.

## Rehabilitation

**Detail all the activities and strategies relating to the remediation of all impacts associated with the proposed exploration operations (includes exploration camps and laydown areas, tracks). Completion of rehabilitation must be achieved within 3 months after the expiry of each program notification.**

**Drilling:**

- All drill sites will be photographed as they are initially pegged to monitor original environmental status. All drill sites will be photographed post drilling and post rehabilitation.
- Sites will be carefully prepared to minimise impact, i.e., use of raised blade and using sites where possible that are flat so as to avoid cut and fill requirements.
- Post drilling all rubbish will be immediately removed from site.
- Reject sample to be buried in sumps.
- All PVC collars will either be removed completely or cut-off approximately 1m below surface.
- Pre-made concrete plugs to be used permanently cap the collar, these will be set approximately 50cm below the surface.
- Sumps will be back filled as soon as the sumps have adequately dried
- The surface will be recontoured and levelled with preserved topsoil laid as the uppermost veneer.
- The surface will be raked and scattered with available dead vegetation to assist with erosion control.

**Tracks:**

- Usage of newly created, temporary tracks will be minimised post exploration, including by means of disguising the take-offs to these tracks
- Photo monitoring of any new tracks will be undertaken prior to establishment, following cessation of exploration activities and postrehabilitation.
- When a drill track is no longer required the drill track will be rehabilitated by recontouring and raking out any ruts and placing dead vegetation to close the track take-off and create seed traps in areas vulnerable to erosion whilst natural revegetation processes take place. The status and requirement of newly created tracks for future use will be reported through the annual environmental compliance process.

**State the estimated budget required to rehabilitate all impacted sites. State the estimated budget required to rehabilitate all impacted sites. Include a breakdown of the cost associated with each rehabilitation component**

There will be up to 90 holes drilled within the 12-month period. The holes will be drilled using a 130mm hammer to a depth of 80m. If the geology determines allowance for drilling holes up to 150m have been requested. Its anticipated possible up to 5 holes maybe drilled up to 150m to test down dip mineralisation.

Rehabilitation costs have been estimated at \$45,000 consisting of;

Labour (\$750 /day) - \$7500 (5 days cutting collars and back filling, 2 people)

Car Hire and fuel (\$250 / day) - \$1,250 (5 days)

Accommodation (\$200 / day) - \$2,000 (5 days, 2 people)

Loader hire (\$350 / hr) - \$24,500 (70 hrs)

Consumables (cement plugs, etc.) - \$1,000

Grader / ripper (300 / hr) - \$9,000 (30 hrs)

## **Vegetation Clearance**

**Will any area of cleared native vegetation be unrehabilitated after the authorised period?**

No

**Provide a map and description of the vegetation present in the application area, the extent of any proposed vegetation clearance and the likelihood of the presence of threatened flora.**

**State the estimated quantum of significant environmental benefit (SEB) to be gained in exchange for the proposed native vegetation clearance and describe how the SEB will be provided.**

## System

Tenement Name ↑	Tenement Holder	Tenement Operators	Grant Date	Expiry Date	Tenement Type	Location Description	Tenement Area	Tenement Status	Shape Identifier
EL 6785	Taiton Resources Limited		02/06/2022	01/06/2028	Exploration Licence	Commonwealth Hill area approximately 140km northwest of Tarcoola	997.00	Active	10013597-0000
EL 7012	Taiton Resources Limited		29/08/2024	28/08/2030	Exploration Licence	Commonwealth Hill area approximately 150km west-southwest of Coober Pedy	861.00	Active	10016309-0000

## Management of Environmental Impacts

### Applicable environmental aspects and potential impacts

Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
Groundwater	Soil/vegetation/fauna	Discharge of groundwater into the surrounding environment.	Create a secure collar with appropriate casing and securing of collar with biodegradable foam. Use of sumps to contain water. Bund drill pad to act as a last barrier. Have access to loader for remedial work. Use of casing to constrain water from aquifers. Stop drilling if water can't be managed, only restart when under control.	Low	No discharge of groundwater outside of the exploration site (e.g. drillsite) into the surrounding environment and no discharge of water into a watercourse, unless prior approval under the relevant legislation is obtained.	Maintain photographic evidence of all drillsites demonstrating that groundwater was not discharged into the surrounding environment, unless water affecting activity permits were obtained allowing the discharge of groundwater into watercourses and/or lakes. Representative photos and water affecting activity permits (where applicable) to be included within the annual exploration compliance report.

Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
Native Vegetation	Flora and fauna and their habitats; includes Common wealth and state scheduled species.	Loss/modification of native vegetation and associated habitats through the clearance of vegetation.	Site inductions to inform all employees and contractors of their obligations with respect to flora fauna. New tracks will be constructed by driving across unprepared ground to retain root stock and minimise potential for erosion. Any new tracks to allow access to target areas will be designed along the shortest possible route in accordance with SA DEM guidelines. During drilling phase, all vehicle movements to be limited to already created tracks and pads. Any vegetation clearing activities to use raised blade and should attempt to leave rootstock intact in soil, to promote new growth after rehabilitation. All new tracks and pads are to be rehabilitated after the drilling program is complete. Vehicle speed limits will be imposed to reflect local road conditions and the proximity to any infrastructure or stock. Interrogate relevant SA Govt. GIS databases to become familiar with presence of significant flora and fauna species in the project area. Hot works that are required on drill rigs are not to be performed on total fire ban days. CFS website to be monitored daily with regard to Fire Ban	Low	No permanent loss/modification of native flora and fauna populations and their habitats through: • clearance • fire • other unless prior approval under the relevant legislation is obtained.	Maintain before, during and after photographic evidence of all exploration sites (e.g. drillsites, new track exit/entry points off existing tracks, costeans, campsites) demonstrating that: • The area and method of disturbance is consistent with that described in the PEPR. • No uncontrolled fires* occurred as a result of exploration activities. Representative photos to be included within the annual exploration compliance report.

Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
			<p>ratings and discussed at daily pre-work meetings. Adequate firefighting equipment will be at hand. No fires to be lit on fire ban days and only then once a formal risk assessment has been completed. Hot work to be carried out only in designated cleared areas and only after a full formal risk assessment has been completed. Camp sites and laydown areas will be located in naturally cleared areas where possible or at homesteads. There will be no shooting or hunting of animals in the exploration area. All topsoil and soil or sand containing seeds will be stockpiled in a designated area adjacent to the disturbed area and will be respread over the disturbed area once drilling activities are concluded. Planning and coordination will be used to minimise the number of individual vehicle movements. All vehicles will be fitted with appropriate fire extinguishing equipment. Contact list on site at all times, listing emergency contact phone numbers. Factsheets of all threatened, vulnerable, and endangered (TVE) species will be generated and will be copied into</p>			

Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
			<p>induction booklets which will be handed out to each worker and made available in each work vehicle. Before and after photographic records will be kept of track, pad and drilling activities.</p>			
Third party access	Soil/vegetation/fauna	Degradation of rehabilitated access tracks caused by third party access (includes previously closed and rehabilitated access tracks).	All tracks are on privately owned pastoral leases (i.e. minimal through traffic). To prevent use by third party, Once rehabilitation is complete, access to tracks, exit/entry points will be blocked and disguised with obstacles such as fallen tree trunks or branches etc. In the absence of available dead vegetation, scarification and the reinstatement of windrows will be undertaken to disguise track take-off points. Traffic management: travel on tracks will be managed to reduce compaction. This will be covered during site inductions and the need to keep travel to a minimum.	Low	Rehabilitated access tracks remain permanently closed, unless prior approval under the relevant legislation is obtained.	Maintain before and after photographic evidence demonstrating that all tracks are closed and rehabilitated within 3 months of the expiry of the PEPR approval (for PEPRs approved for a period of 12 months), or 3 months after the expiry of a program notification (for PEPRs approved for an ongoing period), unless otherwise authorised. Representative photos are to be included within the annual exploration compliance report. Provide the information requested within the 'Rehabilitation' section of the annual exploration compliance report.
Other	Use of drone	Drone impact and unauthorised use within Woomera restriction area.	Induction and contractor management to notify personnel of operating requirements.	Low	Damage to person or property. Revoke of Woomera exploration permit.	Drone use register including operator details and Woomera approval.

Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
Aboriginal heritage	Aboriginal heritage sites	Disturbance to Aboriginal heritage	Use of onsite induction for employees and contractors to inform them of their obligation with respect to heritage, including but not limited to protection of heritage sites both known and any that become known during the carrying out of exploration programs. No ground disturbing work will be undertaken without first conducting a detailed Heritage Clearance. Any areas flagged as No-Go during a heritage clearance will be strictly avoided. A register will be maintained of any potentially significant sites overlooked in formal Clearance Survey. In the event of a discovery of a potential Aboriginal heritage artifact all work will stop in the immediate vicinity. The site supervisor and project manager will be notified. The area will be clearly marked and isolated for other work areas. The relevant authorities and traditional owners will be notified. Work will only recommence once authorisation to continue has been received.	Low	No disturbance to Aboriginal artefacts or sites of significance unless prior approval under the relevant legislation is obtained.	Maintain a database and provide a statement within the 'Compliance with approved programs' section of the annual exploration compliance report demonstrating that: <ul style="list-style-type: none"> <li>Heritage sites were not impacted during the conduct of the exploration program, unless prior approval was obtained under the appropriate legislation</li> <li>Work ceased on discovery of a significant site and recommenced only after authorisation.</li> <li>Aboriginal heritage sites identified during the exploration program were appropriately recorded and reported to authorities, if not previously known.</li> </ul>

<b>Environmental Aspect</b>	<b>Receptor</b>	<b>Potential Impact</b>	<b>Control Strategies</b>	<b>Risk</b>	<b>Outcomes</b>	<b>Outcome Measurement Criteria</b>
Groundwater users	Groundwater users	Interference to existing water users when extracting water from existing dams, water bores or mineral drillholes.	Water will only be sourced from water access points at Challenger mine site or from such as tanks within the station after approval from pastoral lease holders. Water will only be extracted in quantities approved by Barton (mine site owner) or pastoral lease holders. Provision will be made to source any required additional water from other approved sources.	Low	No public nuisance impacts resulting from the extraction of water for exploration purposes, unless prior approval under the relevant legislation is obtained.	Provide the information requested within the 'Complaints' section of the annual exploration compliance report demonstrating that all reasonable complaints from stakeholders were resolved to the satisfaction of both parties, prior to and ongoing during the course of the exploration program without the involvement of DEM. Where permits are required for the extraction and/or usage of groundwater, provide copies of the licence or permit within the annual exploration compliance report.

Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
Contamination	Soil/vegetation/fauna	Soil/vegetation contamination (e.g. hydrocarbons, rubbish, drill samples/cuttings, ablutions, other sources)	Sample reject will be collected in buckets and placed on the ground to reduce the use of plastics. On completion of the program the sample reject piles will be used to backfill the drill hole. Samples will be backfilled into the hole in the order of deepest first best reflect the material stratigraphic position. Excess samples will be disposed of in the sump and covered as part of the rehabilitation process for a drill site. Any residual sample will be graded over with topsoil so as none of this sample is exposed on the surface. Drill cutting material from around the collar and cyclone will be removed from the soil surface and either returned down the hole or buried in sumps. All vehicles and machinery will be inspected prior to commencement of activities to ensure no obvious leaks are present, with repairs undertaken prior to commencement of work if required. Fuel for drilling operations will be stored and transported in tanks or cells that meet current Australian design standards (eg double bunded). Other hydrocarbons and chemicals will be stored on bunded pallets. Absorbent matting	No	No contamination of soil and vegetation as a result of exploration activities.	Demonstrate that all domestic or industrial waste (includes general rubbish and hydrocarbons) is disposed of in accordance with the Environment Protection Act 1993 within 3 months of the expiry of the PEPR approval (for PEPRs approved for a period of 12 months), or 3 months after the expiry of a program notification (for PEPRs approved for an ongoing period), and that all fuel and chemicals are stored in accordance with EPA requirements, by providing: <ul style="list-style-type: none"> <li>• The name, location and contact details of the authorised waste disposal facility.</li> <li>• A statement within the 'Compliance with approved programs' section of the annual exploration compliance report confirming domestic and industrial waste was removed from all exploration sites and disposed of at an authorised waste disposal facility.</li> <li>• Photographic evidence within the annual exploration compliance report demonstrating that all fuel and chemical storage facilities were managed in accordance with EPA requirements. Maintain photographs of all exploration sites and provide representative photos within the annual exploration compliance report demonstrating that drill cuttings are: <ul style="list-style-type: none"> <li>• removed from site and disposed of at a licensed facility</li> <li>• buried under a minimum of 30 cm of soil, or in accordance with EPA guideline, Radiation protection guidelines on mining in South Australia: mineral exploration, available on the EPA website, or</li> <li>• backfilled down the drillhole, within 3 months of the expiry of the PEPR approval (for PEPRs approved for a period of 12 months), or 3 months after the expiry of a program notification (for PEPRs approved for an ongoing period), unless otherwise authorised. Provide the information requested within the 'Rehabilitation' section of the annual exploration compliance report.</li> </ul> </li> </ul>

Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
			<p>and spill kits will be available at all hydrocarbon storage locations and with any mobile plant &amp; equipment. Any spills will be removed, bagged and disposed at a licensed facility. All spills will be recorded and any spills requiring statutory reporting will be reported within the required timeframe. Immediate remedial action will be taken for any fuel/oil spills. Any affected material will be collected by shovel into leak proof bags and taken to a rubbish facility that accepts fuel/oil waste. Temporary tarpaulins &amp;/or absorbent matting will be placed under drill rigs if they have developed weeps or minor leaks, until a repair can be effected. Inspection of drill rig and other ancillary vehicles for weeds and seeds prior to commencement of a program and periodically during programs. Vehicles will be washed down as soon as practicable following rain events which result in the build-up of mud on the undercarriage of mobile plant and equipment. All rubbish will be bagged and removed from site then disposed at a licensed waste facility. A final check of drill sites will be undertaken during final rehabilitation. Accommodation for</p>			

Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
			workers is the Challenger mine site. All waste will be taken off-site and disposed of at Challenger waste dump for smaller volume waste, whereas larger facilities at Port Augusta, Collex Spencer Gulf Waste landfill will be used if required.			
Weeds and Pathogens	All flora and fauna, especially listed species.	Loss/modification of the environment (biological, social and economic) through the introduction of weeds and pathogens.	Site induction and scope of works process to inform contractors of their obligation as outlined below. All vehicles and equipment will be thoroughly cleaned and inspected before the commencement of work. Should listed weeds be encountered during a work program all equipment will be thoroughly cleaned before relocation to another area within the project. Risk of weed introduction to be discussed with all new personnel coming to site as a part of induction process. Company to maintain a logbook with all relevant data detail around weed management.	Mod erate	No introduction of new species of weeds and plant pathogens, nor increase in abundance of existing weeds species.	Provide a statement within the 'Compliance with approved programs' section of the annual exploration compliance report, confirming that: • Vehicle logs were kept during the exploration program, demonstrating that all vehicles are clean and free of plant and mud material prior to entering properties† within the tenement areas, unless otherwise agreed to with the relevant landowners. • Photographic evidence before and during exploration operations and after rehabilitation of disturbed sites was captured, demonstrating that no new weeds and plant pathogens were introduced, nor an increase in abundance of existing weeds recorded.

<b>Environmental Aspect</b>	<b>Receptor</b>	<b>Potential Impact</b>	<b>Control Strategies</b>	<b>Risk</b>	<b>Outcomes</b>	<b>Outcome Measurement Criteria</b>
General Public	General Public	Injury or death to members of the public as a result of exploration activities.	Restrict access through use of high-visibility safety signs to be used at each drill site and at the start of any access track that leads off any existing station tracks. Access track design so there is only one entry point by track to restrict vehicle access. As part of the induction process all workers will be instructed to keep a careful watch for members of the public and will be instructed to cease work until they have safely left the area.	Low	No accidents involving the public that could have been reasonably prevented by the licensee.	Provide a statement within the 'Compliance with approved programs' section of the annual exploration compliance report confirming no accidents occurred involving the public during and after the exploration program. If an accident involving the public did occur, provide a copy of the independent investigation report within the annual exploration compliance report demonstrating that the licensee could not have reasonably prevented the accident through the implementation of precautionary measures.

Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
Stakeholders	Stakeholders	Stakeholders: - freehold land owners - perpetual lease holders - pastoral lease holders - Aboriginal land (Anangu Pitjantjatjara Yankunytjatjara and Maralinga Tjarutja lands) - Department of Defence - state government departments. - local government (councils) - federal government - native title parties.	The company maintains a register of stakeholder engagement and a register of complaints of which there has been none. Pastoral Lease holders are and will be kept regularly updated with planned exploration activates and exploration activates factor landholder's business concerns. Open two-way communication is promoted, and any landholder concerns are promptly resolved. Registered Native Title Groups are/ will be kept informed of planned work relevant to their areas of Native Title Determination and formal clearances are undertaken in accordance with our Agreement. The Woomera Prohibited Area Coordination Office (WPACO) is regularly updated on company and exploration activities via periodic compliance reviews and ongoing consultation. SA DEM is regularly updated on activities through statutory reporting and PEPR lodgment. SA DEM is always welcome to request additional information or updates. Any concerns or issues will be dealt with promptly.	Low	Stakeholders are fully informed and satisfied with the proposed methods used to conduct exploration activities on their land, and all prescribed forms are served and agreements obtained in accordance with the Mining Act.	Provide the information requested within the 'Complaints' section of the annual exploration compliance report demonstrating that all reasonable complaints from stakeholders are resolved to the satisfaction of both parties prior to and ongoing during the course of exploration program, without the involvement of DEM. Provide the information requested within the 'Landowner details and liaison' section of the annual exploration compliance report demonstrating that prescribed forms were served and agreements obtained in accordance with the Mining Act prior to the commencement of exploration activities.

Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
Fire	Community/landowners	Damage to infrastructure and loss of income through fire.	All vehicles will be fitted with fire extinguishers. Fire suppression units will be fitted to large plant such as the rig. The area is remote and generally poorly vegetated thus any potential fires should be easily managed. Any hot-work such as grinding and welding in the field will require a specific risk assessment and will only be conducted in the presence of fire monitors and adequate fire-fighting equipment. On any day when a catastrophic fire rating is declared no fieldwork will be undertaken.	Mod erate	No loss of infrastructure or income through fire as a result of exploration activities.	Provide a statement within the 'Compliance with approved programs' section of the annual exploration compliance report confirming that no uncontrolled fires* occurred. Alternatively, provide a report on the independent investigation of all uncontrolled fires* demonstrating that the licensee could not have reasonably prevented the fire through the implementation of precautionary measures.

Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
Soil	Soil	Disturbance to the soil profile and topography, and accelerated soil erosion caused by exploration activities (e.g. construction of sumps, new tracks and drill pads; ground compaction at laydown areas and camps).	Ground disturbance (drill sites and access tracks) will be located at naturally clear areas (grass covered) and will generally require the minimal preparation of drill pads to level the site allowing a safe work environment of the drill crew. Sumps to be backfilled in the correct order i.e. subsoil in first, top layer in last. New access tracks will unlikely be required to undertake the new drill program. However, in needed tracks will be planned to begin at existing station tracks and be located in routes designed to have the minimum impact on the natural environment. All tracks will only be used with explicit approval of the native title clearances. Any new tracks will be designed, where possible, to avoid steep topography and large or significant vegetation. Where vegetation removal is unavoidable, the principal of impacting common species and juvenile specimens (avoiding any listed species) will be applied, as too avoiding the removal of rootstock. Where earthworks are unavoidable (e.g. for safety/operational requirements), impacts will be		Where soil disturbance occurs as a result of exploration activities, ensure that: <ul style="list-style-type: none"> <li>• topsoil quality and quantity is maintained</li> <li>• the soil profile and topography is reinstated to original conditions</li> <li>• there is no accelerated soil erosion.</li> </ul>	Maintain before, during and after photographic evidence of all excavations, drillsites, camps, laydown areas and new tracks demonstrating that: <ul style="list-style-type: none"> <li>• The soil profile and topography is reinstated to original conditions and is consistent with natural surroundings within 3 months of the expiry of the PEPR approval (for PEPRs approved for a period of 12 months), or 3 months after the expiry of a program notification (for PEPRs approved for an ongoing period), unless otherwise authorised.</li> <li>• Where required, sufficient topsoil is removed (depending on soil profile), stored separately from subsoil and reinstated (in the correct order) within 3 months of the expiry of the PEPR approval (for PEPRs approved for a period of 12 months), or 3 months after the expiry of a program notification (for PEPRs approved for an ongoing period), unless otherwise authorised.</li> <li>• There are no signs of accelerated soil erosion during and post rehabilitation of disturbed sites. Representative photos to be included within the annual exploration compliance report. Provide the information requested within the 'Rehabilitation' section of the annual exploration compliance report.</li> </ul>

Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
			<p>planned such that they are minimised and should lead to successful rehabilitation outcomes. Before work is undertaken creating new tracks approvals will be sought from both native title claimants and pastoral lease holders. Complete rehabilitation of new tracks and pads as per best-practice model – e.g. removing windrows, restoring original contours, lightly scarify if appropriate; replace stored topsoil and vegetation if required. The most appropriate equipment will be utilised from the equipment list provided in this EPEPR. Vehicle speeds on access tracks will be kept below speeds appropriate to the conditions to minimise adverse environmental outcomes. This is in line with company policy and is addressed in worker's inductions. When digging sumps, levelling pads etc the topsoil will be stored separately and returned in the correct order for rehabilitation.</p>			

Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
Surface Water	Surface Water	Alteration to surface water – interference to surface drainage.	All ground disturbing work will be carefully planned to minimise disturbance to surface hydrology (i.e. avoidance in the first instance & minimising ground disturbance in drainage lines). Any work that does unavoidably impact drainage will be immediately remediated following the completion of exploration activities.	Low	No permanent modification to hydrological features caused by exploration activities without obtaining a water affecting permit from the relevant Landscape Board (under Landscape Act SA 2019).	Provide before, during and after photographic evidence within the annual exploration compliance report demonstrating that original drainage contours (watercourses and lakes) are consistent with the natural relief post rehabilitation within 3 months of the expiry of the PEPR approval (for PEPRs approved for a period of 12 months), or 3 months after the expiry of a program notification (for PEPRs approved for an ongoing period). Alternatively, provide copies of water affecting permits within the annual exploration compliance report.

Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
Groundwater	Groundwater/aquifer	Groundwater contamination: • contamination of aquifers through entry of pollutants from the surface • interconnection between aquifers • degradation of natural hydrostatic conditions (maintain pre-drilling pressures).	Ensure only approved drilling products are used downhole (e.g. biodegradable products). Record details of any aquifers intersected. The immediate capping of drill holes following drilling (either permanent or temporary capping) will prevent the contamination of aquifers by surface water ingress. Ensure drillholes are not used for disposal of any unwanted hydrocarbons or chemicals. At the completion of drilling the PVC casing will be pulled out of the ground or cut-off at least 1m underground and the hole will be backfilled as much as possible with drill cuttings. The hole will be permanently capped using a pre-made concrete plug set approximately 1m below the surface with dirt filled above plug to surface. All non-natural material will be removed and appropriately disposed in designated landfill sites. All drill cutting and samples not required will be used to backfill the drill hole. Excess may be buried in the sump or disposed of at a waste disposal depot. The ground will be re-contoured, and the preserved topsoil will be restored. Should unexpected		Drillholes restored to controlling geological conditions that existed before the hole was drilled or, where it is intended to re-enter the hole, the hole must be completed with casing of adequate strength and the casing cemented so that all aquifers are isolated to prevent the movement of any fluids behind the casing.	Maintain evidence demonstrating that drillholes are decommissioned in accordance with Earth Resources Information Sheet M21, Mineral exploration drillholes – general specifications for construction and backfilling, and/or specific conditions from DEW (Groundwater) within 3 months of the expiry of the PEPR approval (for PEPRs approved for a period of 12 months), or 3 months after the expiry of a program notification (for PEPRs approved for an ongoing period), unless otherwise authorised. Provide the information requested within the 'Groundwater' section of the annual exploration compliance report.

Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
			<p>aquifers be encountered they will be separated and plugged according to best practice and SADEM guidelines (e.g. Guidelines M21). This will involve backfilling using drill cuttings or clean fill containing clay or cement.</p>			
Fauna	All fauna	Entrapment of fauna through open drillholes and excavations.	<p>All drillholes will be sealed with a temporary cap on completion of drilling and then permanently capped as part of the rehabilitation process to avoid any access to the hole by fauna. If in-ground sumps are used, they will be designed so wildlife can escape if they accidentally fall into the sumps (ramp wall at one end). Rehabilitation (backfilling) of sumps will be undertaken as soon as practicable following the completion of exploration activities and no further operational requirement for the sump has been identified. Traffic management (speed limits and time of day driving) to mitigate fauna vehicular interaction.</p>	Low	No fauna traps created as a result of exploration activities.	<p>Maintain before, during and after photographic evidence of all drillholes and/or excavations demonstrating that:</p> <ul style="list-style-type: none"> <li>• All drillholes were permanently or temporarily capped/plugged immediately upon completion.</li> <li>• No fauna and livestock became trapped in drillholes and/or excavations throughout the duration of the program.</li> <li>• All rehabilitation was completed within 3 months of expiry of the PEPR approval (for PEPRs approved for a period of 12 months), or 3 months after the expiry of a program notification (for PEPRs approved for an ongoing period), unless otherwise authorised. Representative photos are to be included within the annual exploration compliance report. Provide the information requested within the 'Rehabilitation' section of the annual exploration compliance report.</li> </ul>

## Supporting Information

### Photos

			se
			<a href="#">information/Photos/Landform A_2025-08-25T05-17-53.458Z.JPG</a>
Landform B.JPG	6.95 Mb	25-08-2025 14:47:59	<a href="#">Download (MERS/EP-03937/Supporting information/Photos/Landform B_2025-08-25T05-18-06.561Z.JPG)</a>
Landform C.JPG	5.81 Mb	25-08-2025 14:48:34	<a href="#">Download (MERS/EP-03937/Supporting information/Photos/Landform C_2025-08-25T05-18-41.048Z.JPG)</a>
Landform D.JPG	5.89 Mb	25-08-2025 14:48:47	<a href="#">Download (MERS/EP-03937/Supporting information/Photos/Landform D_2025-08-25T05-18-54.280Z.JPG)</a>
Landform E.JPG	5.49 Mb	25-08-2025 14:49:00	<a href="#">Download (MERS/EP-03937/Supporting information/Photos/Landform E_2025-08-25T05-19-07.633Z.JPG)</a>

Site identification	Date taken	Photo number & PEPR section reference	Easting (GDA94)	Northing (DGA94)	Zone	Details and comments	Document ID
Landform A	15/07/2024	Landform A	323767	6704103	53		
Landform B	15/07/2024	Landform B	323072	6703681	53		
Landform C	15/07/2024	Landform C	323035	6705572	53		
Landform D	15/07/2024	Landform D	323423	6705317	53		

## Supporting Maps

### Upload Maps

File Name	File Size (Mb)	Created On	Download 
258-241011 - Taiton Resources - Exchange of letters - ELs 6857_7012.pdf	0.05 Mb	08-09-2025 14:40:04	<a href="#">Download (MERS/EP-03937/Supporting information/Maps/258-241011 - Taiton Resources - Exchange of letters - ELs 6857_7012_2025-09-08T05-10-05.355Z.pdf)</a>
Image Location Map.pdf	0.51 Mb	25-08-2025 14:58:53	<a href="#">Download (MERS/EP-03937/Supporting information/Maps/Image Location Map_2025-08-25T05-28-59.855Z.pdf)</a>

File Name	File Size (Mb)	Created On	Download
Mobella_Form_21B_September 2025.pdf	0.86 Mb	08-09-2025 16:10:11	<a href="#">Download (MERS/EP-03937/Supporting information/Maps/Mobella_Form_21B_September 2025_2025-09-08T06-40-11.543Z.pdf)</a>

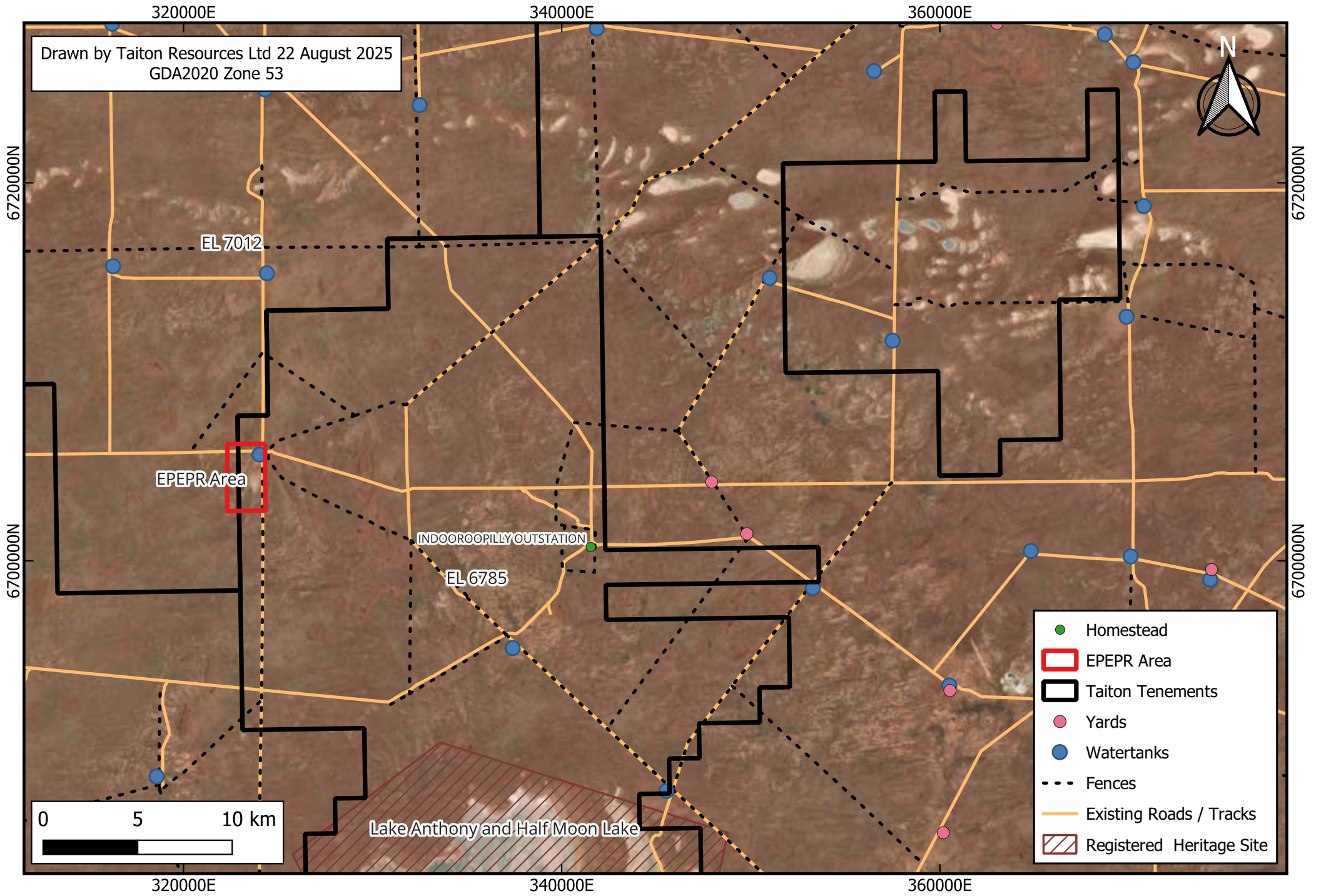
### Figure Description

### Document ID

Image Location Map plots the locations of the images demonstrating landforms within proposed EPEPR.	Image Location Map
Letter showing EL7012 added into the heritage agreement.	258-241011 - Taiton Resources - Exchange of letters - ELs 6857_7012
Form 21B notifying Mobella Station of exploration program.	Mobella_Form21B_September 2025

### Additional Information

List any other supporting information and/or documents submitted with the application, including land acc



350000E

400000E

450000E

Drawn by Taiton Resources Ltd 18 August 2025  
GDA2020 Zone 53



6800000N

6800000N

Tallaringa CP

MOUNT CLARENCE

MABEL CREEK

Coober Pedy

6750000N

6750000N

GARFORD

SANDSTONE

EL 7012

EPEPR Area

Commonwealth Hill

COMET

INGOMAR

6700000N

6700000N

EL 6785

INDOOROOPILLY OUTSTATION

CHALLENGER

JUMBUCK

COMMONWEALTH HILL

GINA OUTSTATION

MCDOWALL PEAK

6650000N

6650000N

Mobella

IRRIA OUTSTATION

GOODE OUTSTATION

MUCKANIPPIE OUTSTATION

BRADMAN OUTSTATION

BULGUNNIA

MULGATHING

CARNE OUTSTATION

OORAMINNA OUTSTATION

DURKIN OUTSTATION

JOHNS OUTSTATION

AMBROSIA OUTSTATION

GIBRALTAR OUTSTATION

MENTOR OUTSTATION

EALBARA OUTSTATION

WARRIOR OUTSTATION

CARDING ROAD OUTSTATION

6600000N

6600000N

-  EPEPR Area
-  Taiton Tenements
-  Homestead
-  Towns
-  Gold Mine (Major)
-  Stuart Highway
-  Railway
-  Roads / Tracks
-  Pastoral Stations

Tarcoola

Tarcoola

MALBOOMA OUTSTATION

LYONS CAMP

WILGENA

0 10 20 km



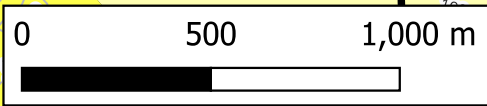
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400000E

450000E

322500E

325000E



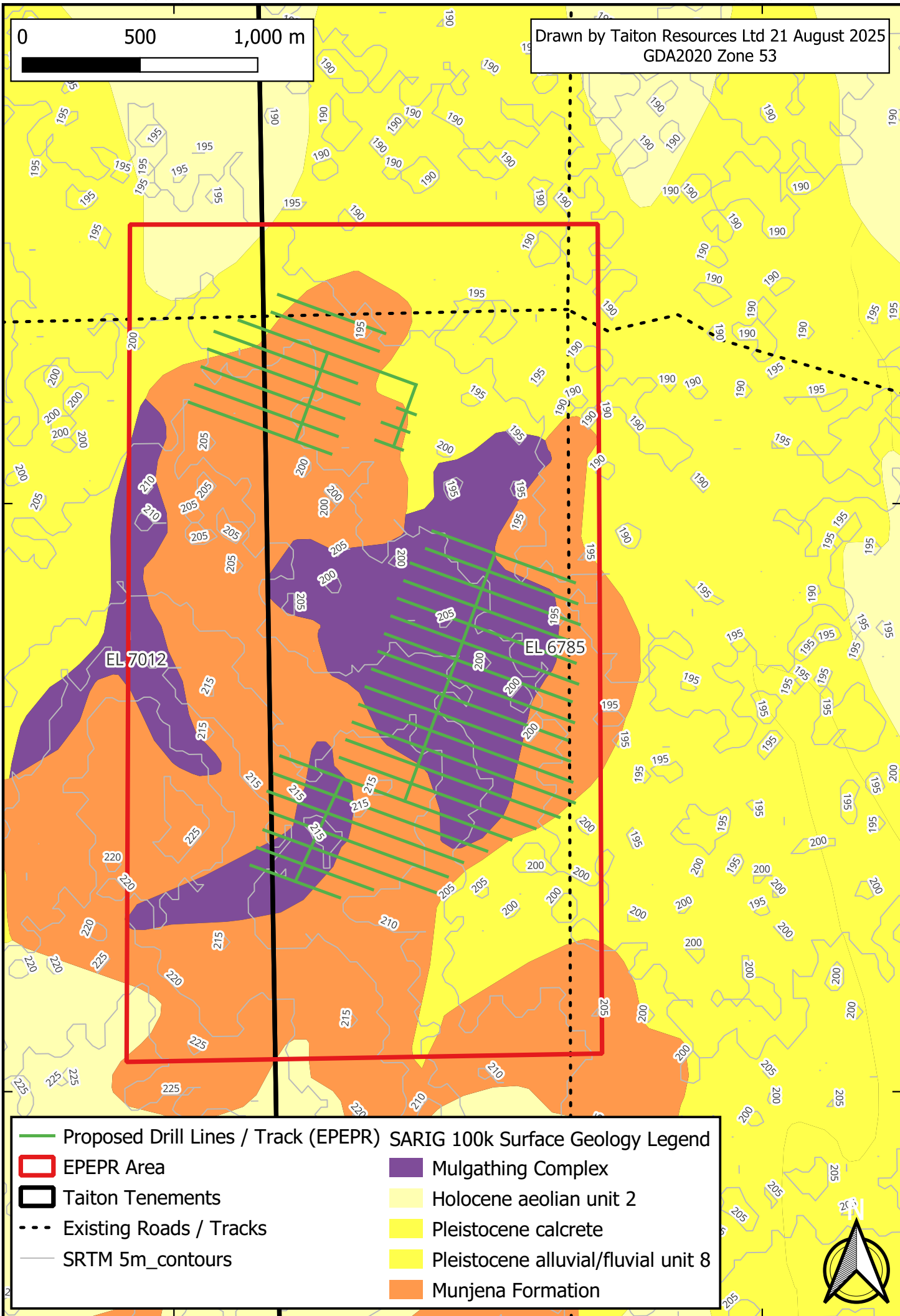
Drawn by Taiton Resources Ltd 21 August 2025  
GDA2020 Zone 53

6705000N

6705000N

6702500N

6702500N



	Proposed Drill Lines / Track (EPEPR)		Mulgathing Complex
	EPEPR Area		Holocene aeolian unit 2
	Taiton Tenements		Pleistocene calcrete
	Existing Roads / Tracks		Munjena Formation
	SRTM 5m contours		

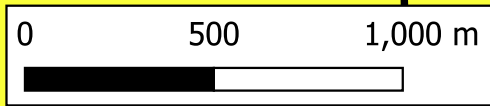


322500E

325000E

322500E

325000E



Drawn by Taiton Resources Ltd 21 August 2025  
GDA2020 Zone 53

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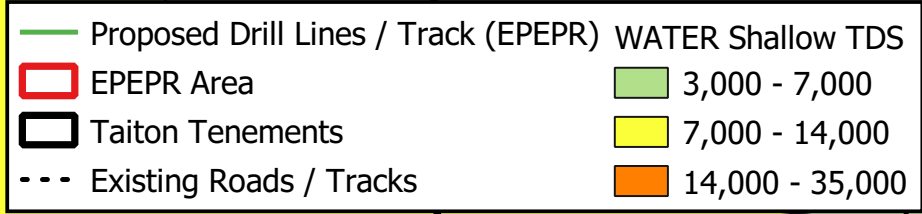
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EL 7012

EL 6785

6702500N

6702500N

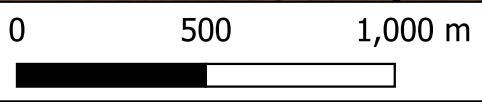


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Drawn by Taiton Resources Ltd 21 August 2025  
GDA2020 Zone 53

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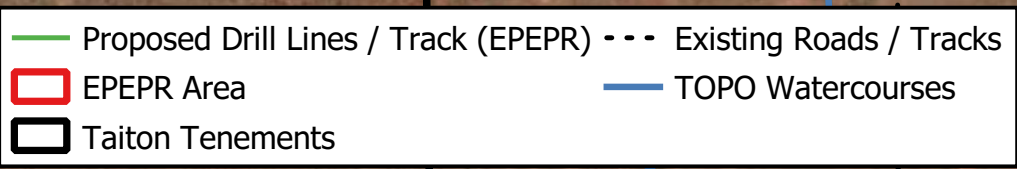
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EL 7012

EL 6785

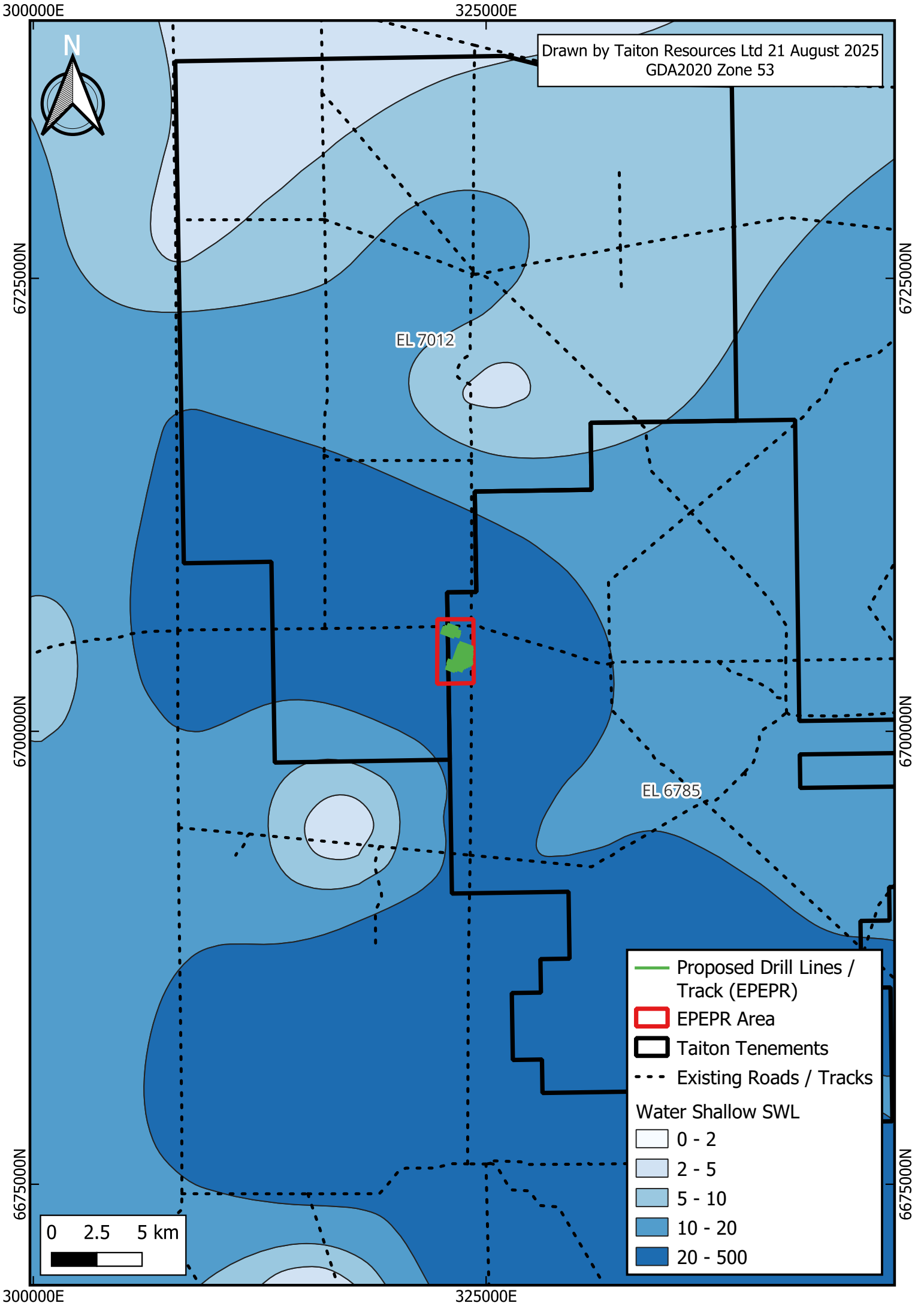
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6702500N



322500E

325000E



Drawn by Taiton Resources Ltd 21 August 2025  
GDA2020 Zone 53

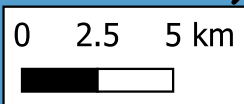


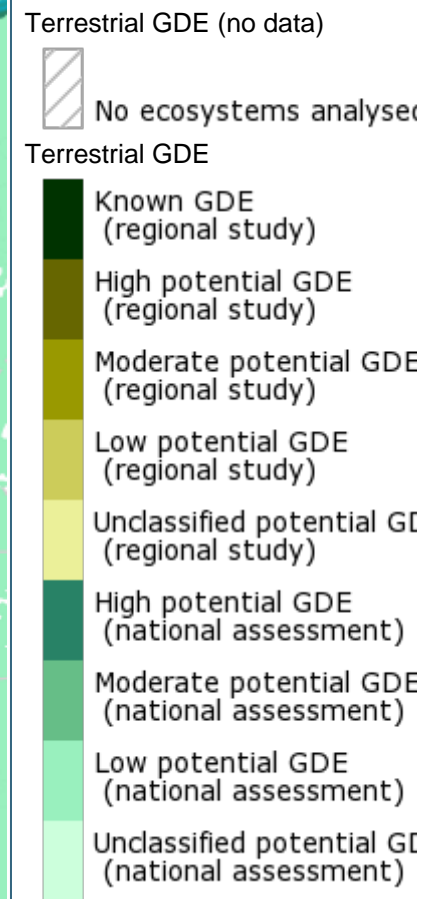
EL 7012

EL 6785



- Proposed Drill Lines / Track (EPEPR)
- EPEPR Area
- Taiton Tenements
- Existing Roads / Tracks
- Water Shallow SWL
  - 0 - 2
  - 2 - 5
  - 5 - 10
  - 10 - 20
  - 20 - 500

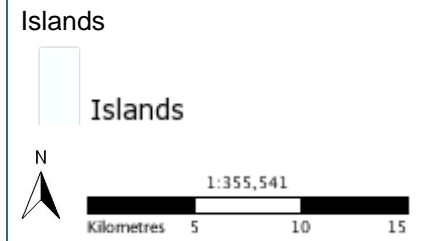
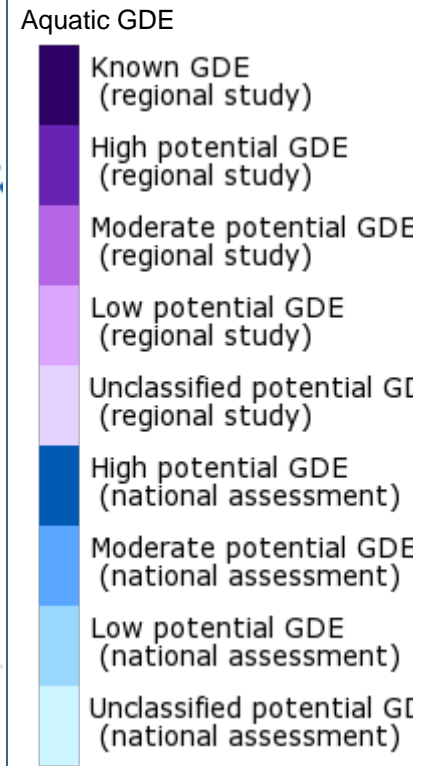
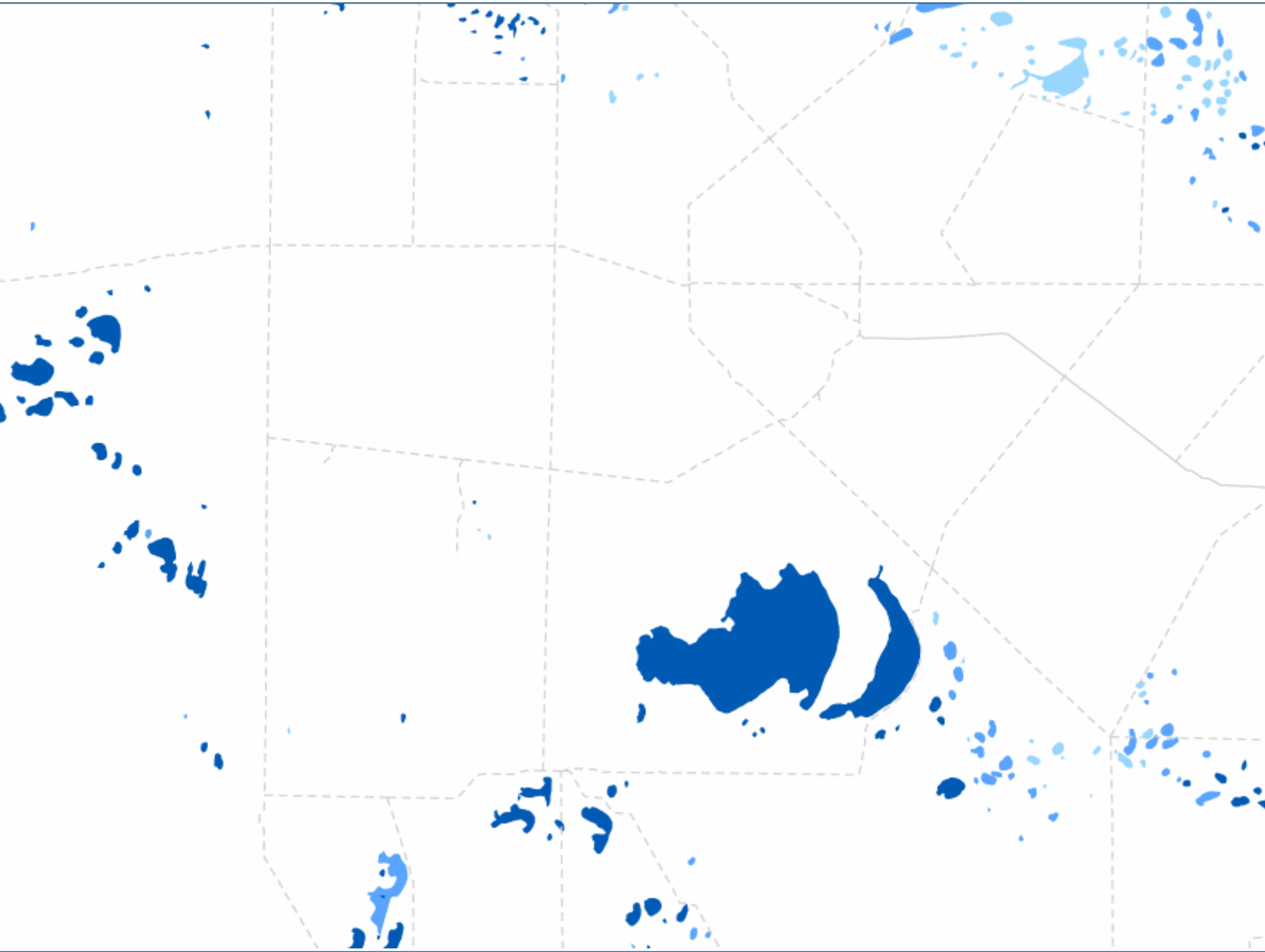




Data Source: Bureau of Meteorology, Geoscience Australia and State/Territory lead water agencies. Refer to metadata for further information: [Click here](#)

Australian Albers GDA94





Data Source: Bureau of Meteorology, Geoscience Australia and State/Territory lead water agencies. Refer to metadata for further information: [Click here](#)

Australian Albers GDA94



250000E

500000E

750000E

Drawn by Taiton Resources Ltd 14 August 2025  
GDA2020 Zone 53



EL 6785

Goober Pedy

EL 6658

EL 6857

Tarcoola




EL 6706

Kingoonya



Glendambo

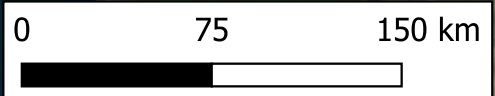
EL 6784

Port Augustus

-  Town
-  Stuart Highway
-  Taiton Tenement

Water

-  ADMIN\_PrescribedWaterResourcesAreas
-  ADMIN\_PrescribedWellsAreas



250000E

500000E

750000E

6750000N

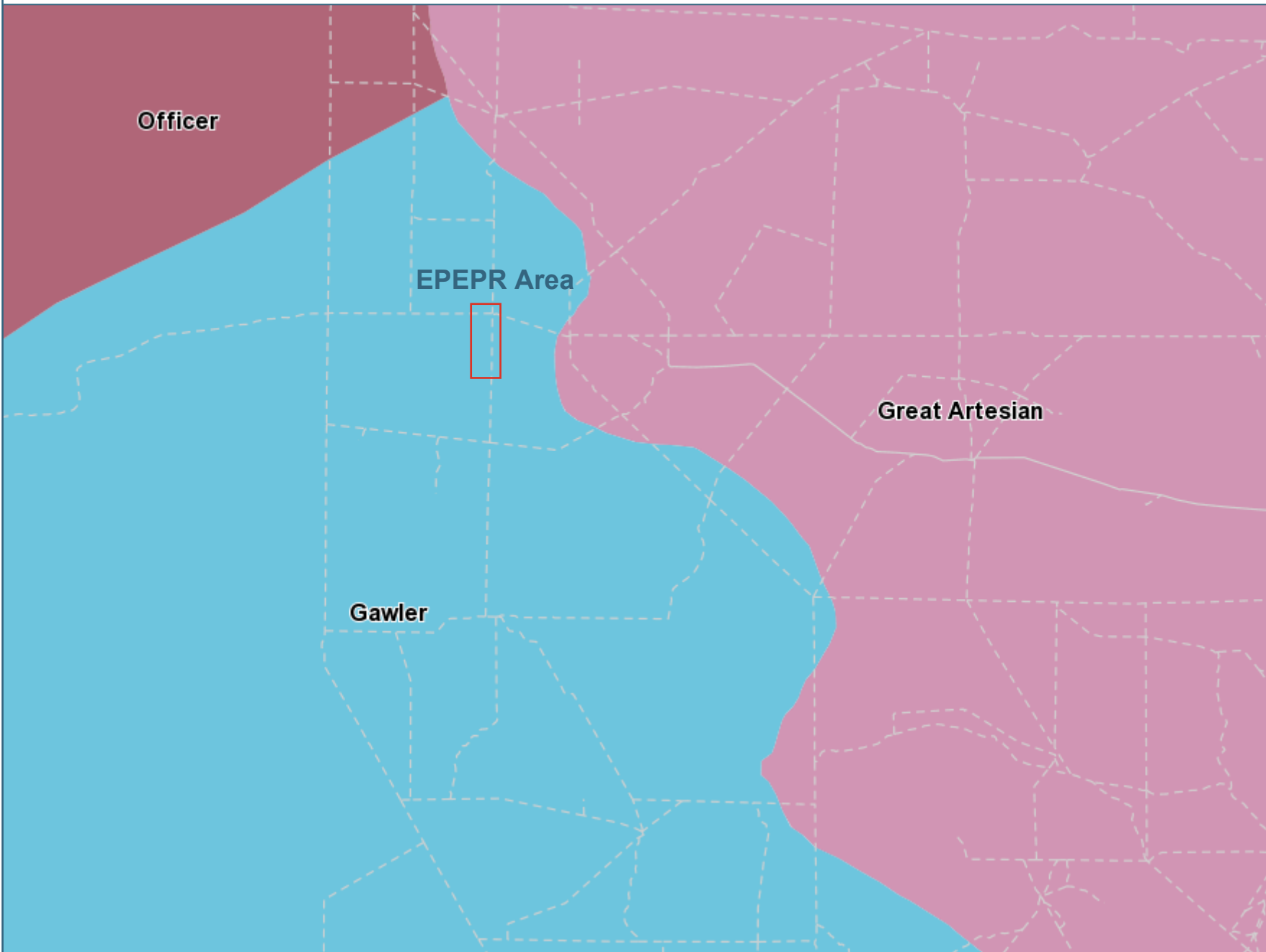
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6500000N

6500000N

6250000N

6250000N



Islands

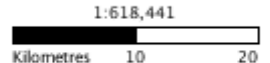


Islands

Mainland



Mainland



Data Source: Bureau of Meteorology, Geoscience Australia and State/Territory lead water agencies. Refer to metadata for further information: [Click here](#)

Australian Albers GDA94



322500E

325000E

Drawn by Taiton Resources Ltd 21 August 2025  
GDA2020 Zone 53



6705000N





6705000N

EL 7012







EL 6785

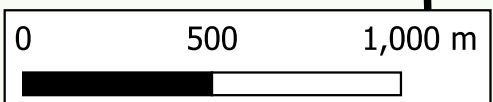
6702500N

6702500N

-  Proposed Drill Lines / Track (EPEPR)
-  EPEPR Area
-  Taiton Tenements
-  Existing Roads / Tracks

SA Vegetation

-  GC0001
-  GC0002
-  GC0007
-  GC0015
-  GC0016
-  GC0021



322500E

325000E

## OFFICIAL

NSXCODE	CLASS NAME	SPECIES	COMMON NAME	NATIVE	NATIONAL RATING	STATE RATING	NUMBER OF RECORDS	DATE OF LAST RECORD
Z04503	AMPHIBIA	Neobatrachus sudellae	Desert Trilling Frog	Y			14	10-Apr-2022
S04117	AVES	Acanthagenys rufogularis	Spiny-cheeked Honeyeater	Y			49	12-Apr-2022
A00476	AVES	Acanthiza apicalis	Inland Thornbill	Y			6	27-Oct-2016
E00486	AVES	Acanthiza chrysorrhoa	Yellow-rumped Thornbill	Y			10	22-Nov-2011
Q00480	AVES	Acanthiza robustirostris	Slaty-backed Thornbill	Y			3	21-Oct-1998
W10383	AVES	Acanthiza sp.	thornbills	Y			1	22-Nov-2006
S00481	AVES	Acanthiza uropygialis	Chestnut-rumped Thornbill	Y			81	10-Apr-2022
S04125	AVES	Accipiter cirrocephalus cirrocephalus	Collared Sparrowhawk	Y			1	12-Apr-2022
A04152	AVES	Accipiter fasciatus fasciatus	Brown Goshawk	Y			1	18-Oct-1998
S00317	AVES	Aegotheles cristatus cristatus	Australian Owllet-nightjar	Y			2	21-Nov-2005
W00211	AVES	Anas gracilis gracilis	Grey Teal	Y			6	26-Oct-2016
E04146	AVES	Anas superciliosa	Pacific Black Duck	Y			5	20-Nov-2011
G00647	AVES	Anthus australis	Australian Pipit	Y			66	10-Apr-2022
M10398	AVES	Anthus sp.		Y			1	15-Nov-2015
U00466	AVES	Aphelocephala leucopsis leucopsis	Southern Whiteface	Y	VU		159	10-Apr-2022
G04139	AVES	Aquila audax audax	Wedge-tailed Eagle	Y			46	10-Apr-2022
K00189	AVES	Ardea pacifica	White-necked Heron	Y			2	14-Nov-2013
A00176	AVES	Ardeotis australis	Australian Bustard	Y		V	2	22-Nov-2005
Z04115	AVES	Artamus cinereus	Black-faced Woodswallow	Y			106	11-Apr-2022
Q00544	AVES	Artamus personatus	Masked Woodswallow	Y			46	10-Apr-2022
G00215	AVES	Aythya australis	Hardhead	Y			1	29-Nov-2012
W00271	AVES	Cacatua sanguinea gymnopsis	Little Corella	Y			42	10-Apr-2022
C00337	AVES	Cacomantis pallidus	Pallid Cuckoo	Y			5	28-Oct-2016
Z00163	AVES	Calidris acuminata	Sharp-tailed Sandpiper	Y	VU		5	04-Dec-2012
E00602	AVES	Certhionyx variegatus	Pied Honeyeater	Y			19	11-Apr-2022
U00342	AVES	Chalcites basalis	Horsfield's Bronze Cuckoo	Y			18	25-Sep-2015
G00143	AVES	Charadrius ruficapillus	Red-capped Plover	Y			2	27-Oct-2016
M00358	AVES	Cheramoeca leucosterna	White-backed Swallow	Y			16	11-Apr-2022
Y00508	AVES	Cincloramphus cruralis	Brown Songlark	Y			8	10-Apr-2022
K00509	AVES	Cincloramphus mathewsi	Rufous Songlark	Y			6	27-Oct-2016
K00437	AVES	Cinlosoma castanotum (NC)	Chestnut-backed Quailthrush (Chestnut Quailthrush)	Y		ssp	1	25-Sep-2015
Z00439	AVES	Cinlosoma cinnamomeum	Cinnamon Quailthrush	Y			23	10-Apr-2022
C05677	AVES	Cinlosoma clarum	Copperback Quailthrush	Y			1	17-Oct-1987
M00218	AVES	Circus assimilis	Spotted Harrier	Y			5	28-Oct-2016
S09561	AVES	Climacteris affinis affinis	White-browed Treecreeper (GR, NW)	Y		SP	1	18-Oct-1998
A00408	AVES	Colluricincla harmonica	Grey Shrikethrush	Y			4	11-Apr-2022
W00423	AVES	Coracina maxima	Ground Cuckooshrike	Y			3	02-Dec-2012
Y04120	AVES	Coracina novaehollandiae	Black-faced Cuckooshrike	Y			6	19-Sep-2015
Z00691	AVES	Corvus bennetti	Little Crow	Y			261	12-Apr-2022
A04144	AVES	Corvus coronoides	Australian Raven	Y			15	11-Apr-2022
W04151	AVES	Cracticus torquatus leucopterus	Grey Butcherbird	Y			12	08-Apr-2022
C00549	AVES	Daphoenositta chrysoptera pileata	Black-capped Sittella	Y			9	27-Oct-2016
U04150	AVES	Dicaeum hirundinaceum hirundinaceum	Mistletoebird	Y			1	18-Sep-2015
C00001	AVES	Dromaius novaehollandiae	Emu	Y	ssp	ssp	73	12-Apr-2022
G04199	AVES	Egretta novaehollandiae	White-faced Heron	Y			3	19-Nov-2011
A04196	AVES	Elanus axillaris	Black-shouldered Kite	Y			5	25-Oct-2016
Y00144	AVES	Elseyornis melanops	Black-fronted Dotterel	Y			3	04-Dec-2012
C00273	AVES	Eolophus roseicapilla	Galah	Y			66	10-Apr-2022
E00450	AVES	Epthianura aurifrons	Orange Chat	Y			19	17-Nov-2015
S00449	AVES	Epthianura tricolor	Crimson Chat	Y			65	10-Apr-2022
A00132	AVES	Erythronyx cinctus	Red-kneed Dotterel	Y			3	04-Dec-2012
Z00331	AVES	Eurostopodus argus	Spotted Nightjar	Y			2	04-Dec-2012
W00239	AVES	Falco berigora berigora	Brown Falcon	Y			22	10-Apr-2022
C04129	AVES	Falco cenchroides cenchroides	Nankeen Kestrel	Y			56	12-Apr-2022
Z00235	AVES	Falco longipennis murchisonianus	Australian Hobby	Y			6	10-Apr-2022
Z00059	AVES	Fulica atra australis	Eurasian Coot	Y			3	18-Nov-2011
Q00608	AVES	Gavicalis virescens	Singing Honeyeater	Y			111	12-Apr-2022
Z00031	AVES	Geopelia cuneata	Diamond Dove	Y			14	10-Apr-2022
Q04168	AVES	Geopelia placida placida	Peaceful Dove	Y			1	23-Sep-2015

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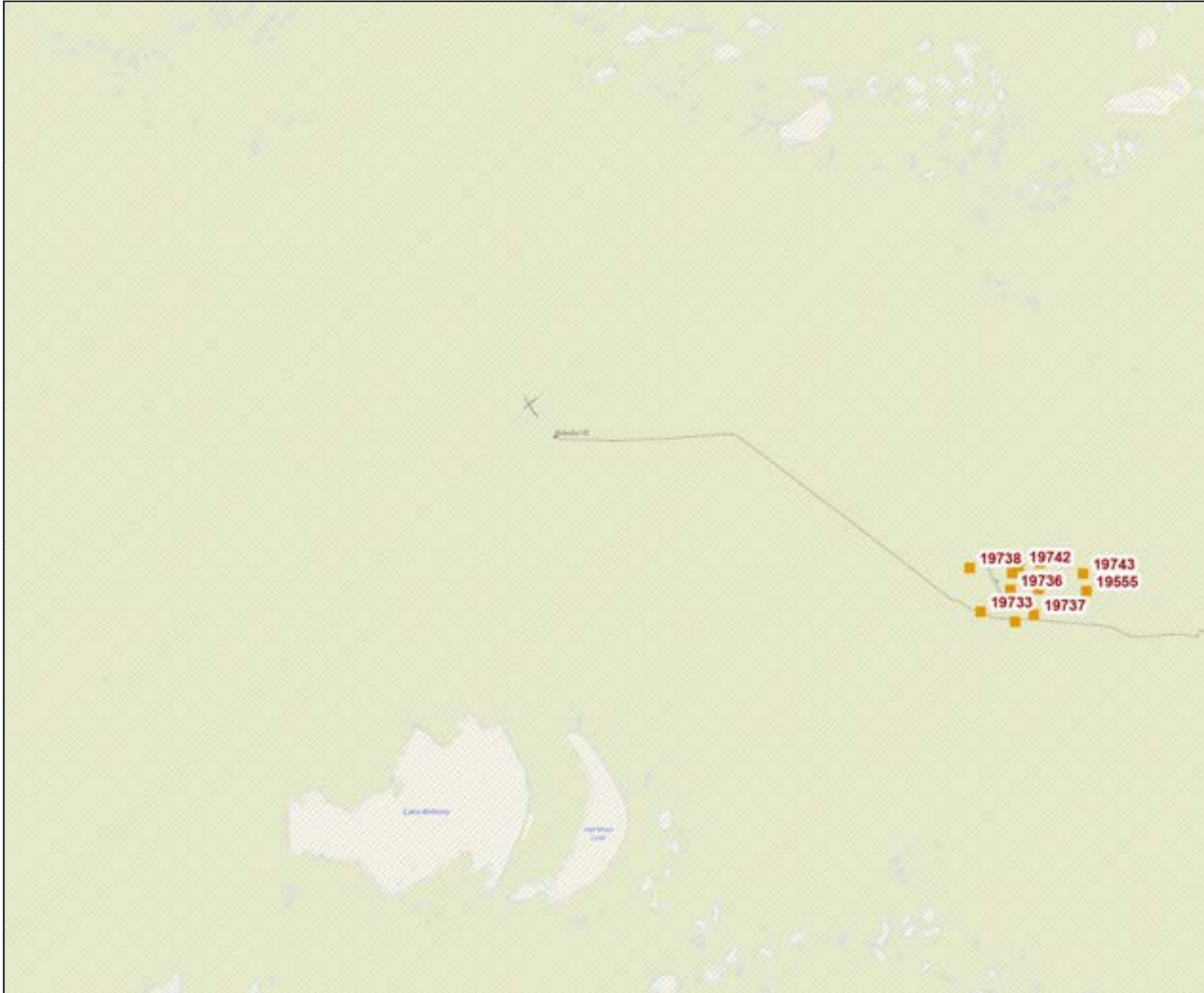
W00415	AVES	Grallina cyanoleuca cyanoleuca	Magpielark	Y			11	12-Apr-2022
S00705	AVES	Gymnorhina tibicen	Australian Magpie	Y			32	11-Apr-2022
K04077	AVES	Hieraaetus morphnoides	Little Eagle	Y		V	2	19-Nov-2015
M00146	AVES	Himantopus leucocephalus	Pied Stilt	Y			2	04-Dec-2012
K00357	AVES	Hirundo neoxena neoxena	Welcome Swallow	Y			25	12-Apr-2022
Z04255	AVES	Lalage tricolor	White-winged Triller	Y			15	19-Nov-2010
E21050	AVES	Lophochroa leadbeateri mollis	Major Mitchell's Cockatoo (NW, EP)	Y		R	1	19-Oct-2005
C00213	AVES	Malacorhynchus membranaceus	Pink-eared Duck	Y			2	29-Nov-2012
Z21179	AVES	Malurus assimilis	Purple-backed Fairywren	Y			17	10-Apr-2022
Z00535	AVES	Malurus leucopterus leuconotus	White-winged Fairywren	Y			121	12-Apr-2022
Y00532	AVES	Malurus splendens	Splendid Fairywren	Y			1	10-Apr-2022
G05491	AVES	Malurus splendens callainus	Turquoise Fairywren (NW, northern EP)	Y			5	11-Nov-2014
U04118	AVES	Manorina flavigula	Yellow-throated Miner (complex)	Y	ssp	ssp	73	11-Apr-2022
S21065	AVES	Melanodryas cucullata westralensis	Hooded Robin (EP, NW)	Y			17	19-Nov-2015
E00310	AVES	Melopsittacus undulatus	Budgerigar	Y			122	12-Apr-2022
C00329	AVES	Merops ornatus	Rainbow Bee-eater	Y			1	29-Nov-2012
C04137	AVES	Microcarbo melanoleucos melanoleucos	Little Pied Cormorant	Y			1	29-Oct-2016
S00377	AVES	Microeca fascinans	Jacky Winter	Y		ssp	1	17-Oct-1987
S00229	AVES	Milvus migrans affinis	Black Kite	Y			1	23-Sep-2015
Y00304	AVES	Neopsephotus bourkii	Bourke's Parrot	Y			18	10-Apr-2022
S11105	AVES	Northiella haematogaster	Eastern Bluebonnet	Y			14	11-Apr-2022
A21032	AVES	Northiella haematogaster haematogaster	Eastern Bluebonnet (eastern and central SA)	Y			69	31-Oct-2016
E00274	AVES	Nymphicus hollandicus	Cockatiel	Y			18	27-Oct-2016
W00043	AVES	Ocyphaps lophotes lophotes	Crested Pigeon	Y			77	11-Apr-2022
G00419	AVES	Oreica gutturalis	Crested Bellbird	Y			36	10-Apr-2022
Z00403	AVES	Pachycephala inornata	Gilbert's Whistler	Y		R	1	09-Apr-2022
K00401	AVES	Pachycephala rufiventris rufiventris	Rufous Whistler	Y			6	25-Sep-2015
U00570	AVES	Pardalotus rubricatus	Red-browed Pardalote	Y			1	26-Oct-2016
Q00976	AVES	Pardalotus striatus substriatus	Striated Pardalote	Y			8	25-Sep-2015
K00145	AVES	Peltohyas australis	Inland Dotterel	Y			2	04-Dec-2012
A00360	AVES	Petrochelidon ariel	Fairy Martin	Y			1	09-Apr-2022
A04128	AVES	Petrochelidon nigricans	Tree Martin	Y			10	25-Sep-2015
K00381	AVES	Petroica goodenovii	Red-capped Robin	Y			28	11-Apr-2022
C00097	AVES	Phalacrocorax sulcirostris	Little Black Cormorant	Y			2	22-Nov-2010
U00034	AVES	Phaps chalcoptera	Common Bronzewing	Y			17	08-Apr-2022
K00313	AVES	Podargus strigoides	Tawny Frogmouth	Y			1	18-Oct-1998
E00062	AVES	Poliocephalus poliocephalus	Hoary-headed Grebe	Y			1	12-Apr-2022
M00446	AVES	Pomatostomus ruficeps	Chestnut-crowned Babbler	Y			1	20-Sep-2015
K00445	AVES	Pomatostomus superciliosus	White-browed Babbler	Y			104	11-Apr-2022
E00522	AVES	Poodytes gramineus goulburni	Little Grassbird	Y			13	10-Nov-2014
K00049	AVES	Porzana fluminea	Australian Crane (Australian Spotted Crane)	Y			3	04-Dec-2012
Q00296	AVES	Psephotellus varius	Mulga Parrot	Y			37	11-Apr-2022
C00865	AVES	Psophodes occidentalis	Chiming Wedgebill	Y			55	11-Apr-2022
S00625	AVES	Ptilotula penicillata	White-plumed Honeyeater	Y			4	25-Sep-2015
Z00623	AVES	Ptilotula plumula	Grey-fronted Honeyeater	Y			1	19-Nov-2010
M21098	AVES	Ptilotula plumula plumula	Grey-fronted Honeyeater (GR, NW)	Y			4	11-Nov-2014
M00594	AVES	Purnella albifrons	White-fronted Honeyeater	Y			11	18-Nov-2013
M04114	AVES	Rhipidura leucophrys leucophrys	Willie Wagtail	Y			56	12-Apr-2022
S00465	AVES	Smicronis brevirostris	Weebill	Y			8	23-Sep-2015
M04130	AVES	Sturnus vulgaris vulgaris	`	N			1	02-Dec-2012
C00061	AVES	Tachybaptus novaehollandiae novaehollandiae	Australasian Grebe	Y			2	27-Oct-2016
E09442	AVES	Taeniopygia guttata castanotis	Zebra Finch	Y			224	12-Apr-2022
S00325	AVES	Todiramphus pyrrhopygius	Red-backed Kingfisher	Y			50	11-Apr-2022
G00055	AVES	Tribonyx ventralis	Black-tailed Nativehen	Y			6	04-Dec-2012
U00158	AVES	Tringa nebularia	Common Greenshank	Y	EN		3	29-Nov-2012
W00159	AVES	Tringa stagnatilis	Marsh Sandpiper	Y			3	22-Nov-2010
U04178	AVES	Turnix varius varius	Painted Buttonquail	Y		R	1	09-Apr-2022
U00018	AVES	Turnix velox	Little Buttonquail	Y			22	31-Oct-2016
G00135	AVES	Vanellus tricolor	Banded Lapwing	Y			5	31-Oct-2016
Z06659	INVERTEBRATES	Ochrogaster lunifer	Processionary Caterpillar	Y			1	10-Apr-2022

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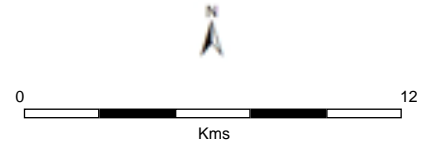
A07232	MAMMALIA	Antechinomys auritus	Long-eared Kultarr	Y			9	10-Apr-2022
Y01324	MAMMALIA	Austronomus australis	White-striped Free-tailed Bat	Y			1	17-Nov-2011
W01515	MAMMALIA	Camelus dromedarius	One-humped Camel (Dromedary, Arabian Camel)	N			8	13-Jul-2012
M04106	MAMMALIA	Canis familiaris (Dingo)	Dingo	Y			4	15-Nov-2015
S01521	MAMMALIA	Capra hircus	Goat (Feral Goat)	N			1	21-Sep-2015
C01349	MAMMALIA	Chalinolobus gouldii	Gould's Wattled Bat	Y			17	21-Sep-2015
S01513	MAMMALIA	Equus asinus	Donkey (Feral Donkey)	N			2	20-Sep-2015
Y01536	MAMMALIA	Felis catus	Domestic Cat (Feral Cat)	N			7	10-Apr-2022
S01441	MAMMALIA	Leggadina forresti	Central Short-tailed Mouse (Forrest's Mouse)	Y			1	18-Sep-2015
Z10523	MAMMALIA	Leporillus sp.	stick-nest rats	Y			1	27-Nov-2005
U01266	MAMMALIA	Macropus (Osphranter) robustus	Euro	Y			3	10-Apr-2022
W01275	MAMMALIA	Macropus (Osphranter) rufus	Red Kangaroo	Y			1656	12-Apr-2022
Z01263	MAMMALIA	Macropus fuliginosus	Western Grey Kangaroo	Y			5	03-Jul-2018
E10490	MAMMALIA	Macropus sp.		Y			1	15-Jul-2015
Z04351	MAMMALIA	Mormopterus planiceps	Southern Free-tailed Bat	Y			4	21-Nov-2011
Y10468	MAMMALIA	Mormopterus sp.		Y			1	17-Nov-2011
Y01412	MAMMALIA	Mus musculus	House Mouse	N			160	13-Apr-2022
K01481	MAMMALIA	Notomys alexis	Spinifex Hopping-mouse	Y			2	03-Dec-2012
Z01335	MAMMALIA	Nyctophilus geoffroyi	Lesser Long-eared Bat	Y			11	21-Sep-2015
M01510	MAMMALIA	Oryctolagus cuniculus	Rabbit (European Rabbit)	N			54	12-Apr-2022
U01522	MAMMALIA	Ovis aries	Sheep (Feral Sheep)	N			22	12-Nov-2014
M10442	MAMMALIA	Ovis sp.		N			7	23-Nov-2010
A01048	MAMMALIA	Planigale tenuirostris	Narrow-nosed Planigale	Y			15	23-Sep-2015
S01469	MAMMALIA	Pseudomys australis	Plains Mouse	Y	VU	V	1	18-Sep-2015
M01474	MAMMALIA	Pseudomys bolami	Bolam's Mouse	Y			16	29-Oct-2016
K01449	MAMMALIA	Pseudomys hermannsburgensis	Sandy Inland Mouse	Y			50	12-Apr-2022
S15037	MAMMALIA	RODENTIA sp.	rodents	Y			7	12-Apr-2022
E04162	MAMMALIA	Scotorepens balstoni	Inland Broad-nosed Bat	Y			6	18-Nov-2011
A01072	MAMMALIA	Sminthopsis crassicaudata	Fat-tailed Dunnart	Y			22	12-Apr-2022
C01073	MAMMALIA	Sminthopsis macroura	Stripe-faced Dunnart	Y			5	20-Sep-2015
Y01068	MAMMALIA	Sminthopsis ooldea	Ooldea Dunnart	Y			8	09-Apr-2022
W01003	MAMMALIA	Tachyglossus aculeatus	Short-beaked Echidna	Y	ssp	ssp	4	20-Sep-2015
E01382	MAMMALIA	Vespadelus baverstocki	Inland Forest Bat	Y			1	21-Nov-2010
G01383	MAMMALIA	Vespadelus finlaysoni	Finlayson's Cave Bat	Y			2	17-Nov-2011
A01532	MAMMALIA	Vulpes vulpes	Fox (Red Fox)	N			46	14-Nov-2015
A02588	REPTILIA	Anilius bituberculatus	Prong-snouted Blind Snake	Y			1	28-Oct-2016
Q02592	REPTILIA	Anilius endoterus	Desert Blind Snake	Y			3	31-Oct-2016
A02180	REPTILIA	Ctenophorus cristatus	Crested Dragon	Y			1	28-Oct-2016
Z02187	REPTILIA	Ctenophorus isolepis	Central Military Dragon	Y			7	18-Nov-2015
Q02196	REPTILIA	Ctenophorus nuchalis	Central Netted Dragon	Y			60	12-Apr-2022
S02365	REPTILIA	Ctenotus leonhardii	Common Desert Ctenotus	Y			75	12-Apr-2022
U02374	REPTILIA	Ctenotus regius	Eastern Desert Ctenotus	Y			94	12-Apr-2022
G06795	REPTILIA	Ctenotus schomburgkii (revised)	Common Sandplain Ctenotus	Y			100	09-Apr-2022
A02384	REPTILIA	Ctenotus strauchii	Short-legged Ctenotus	Y			1	20-Sep-2015
M02054	REPTILIA	Diplodactylus conspicillatus (NC)	Fat-tailed Gecko	Y			44	19-Nov-2013
W05375	REPTILIA	Diplodactylus conspicillatus (revised)	Variable Fat-tailed Gecko	Y			15	30-Oct-2016
A02076	REPTILIA	Diplodactylus tessellatus	Tessellated Gecko	Y			7	24-Sep-2015
U02438	REPTILIA	Eremiascincus richardsonii	Broad-banded Sandswimmer	Y			10	17-Nov-2013
K02089	REPTILIA	Gehyra purpurascens	Robust Tree Dtella	Y			3	26-Oct-2016
G10571	REPTILIA	Gehyra sp.		Y			1	21-Nov-2005
A02092	REPTILIA	Gehyra variegata (NC)	Tree Dtella	Y			10	19-Nov-2013
Z05371	REPTILIA	Gehyra variegata (revised)	Western Tree Dtella	Y			1	08-Nov-2014
C02105	REPTILIA	Heteronotia binoei	Bynoe's Gecko	Y			21	18-Nov-2015
M02478	REPTILIA	Lerista desertorum	Great Desert Slider	Y			10	18-Nov-2015
E02482	REPTILIA	Lerista dorsalis	Southern Four-toed Slider	Y			1	01-Nov-2016
Z02487	REPTILIA	Lerista labialis	Eastern Two-toed Slider	Y			38	11-Apr-2022
W02499	REPTILIA	Lerista punctatovittata	Spotted Slider	Y			2	21-Sep-2015
K04421	REPTILIA	Lerista timida	Dwarf Three-toed Slider	Y			2	21-Sep-2015
C02413	REPTILIA	Liopholis inornata	Desert Skink	Y			2	06-Nov-2009
Q04424	REPTILIA	Lucasium microplax	Central Sandplain Gecko	Y			96	13-Apr-2022

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W02519	REPTILIA	Menetia greyii	Common Dwarf Skink	Y	17	11-Apr-2022
W02251	REPTILIA	Moloch horridus	Thorny Devil	Y	5	11-Apr-2022
U02526	REPTILIA	Morethia boulengeri	Common Snake-eye	Y	22	14-Nov-2015
A02112	REPTILIA	Nephurus levis	Common Knob-tailed Gecko	Y	10	05-Nov-2014
Y02192	REPTILIA	Pogona minor	Western Bearded Dragon	Y	12	14-Apr-2022
Y02204	REPTILIA	Pogona vitticeps	Central Bearded Dragon	Y	7	23-Sep-2015
U02690	REPTILIA	Pseudechis australis	Mulga Snake	Y	4	10-Apr-2022
K02697	REPTILIA	Pseudonaja modesta	Ringed Brown Snake	Y	1	18-Nov-2015
Z10611	REPTILIA	Pseudonaja sp.		Y	1	26-Oct-2016
G02175	REPTILIA	Pygopus nigriceps	Western Hooded Scaly-foot	Y	2	20-Nov-2011
M04538	REPTILIA	Rhynchoedura eyrensis	Eyrean Beaked Gecko	Y	3	21-Sep-2015
S02137	REPTILIA	Rhynchoedura ornata (NC)	Beaked Gecko	Y	23	10-Nov-2009
K04537	REPTILIA	Rhynchoedura ornata (revised)	Western Beaked Gecko	Y	8	18-Nov-2015
A02712	REPTILIA	Simoselaps bertholdi	Desert Banded Snake	Y	1	20-Nov-2005
S02729	REPTILIA	Suta monachus	Monk Snake	Y	1	09-Nov-2014
W02579	REPTILIA	Tiliqua occipitalis	Western Bluetongue	Y	7	16-Nov-2013
Z02583	REPTILIA	Tiliqua rugosa	Sleepy Lizard	Y	1	20-Sep-2015
G02255	REPTILIA	Tympanocryptis lineata complex	Lined Earless Dragon (complex)	Y	24	29-Oct-2016
K02257	REPTILIA	Tympanocryptis tetraporophora	Eyrean Earless Dragon	Y	23	23-Sep-2015
A06644	REPTILIA	Tympanocryptis toleyi	Gawler Earless Dragon	Y	2	12-Apr-2022
U02138	REPTILIA	Underwoodisaurus milii	Common Barking Gecko	Y	16	13-Apr-2022
Q02268	REPTILIA	Varanus gilleni	Pygmy Mulga Goanna	Y	6	12-Apr-2022
G02271	REPTILIA	Varanus gouldii	Sand Goanna	Y	64	12-Apr-2022
E10598	REPTILIA	Varanus sp.	goannas	Y	8	07-Nov-2009

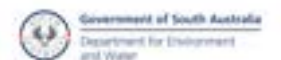


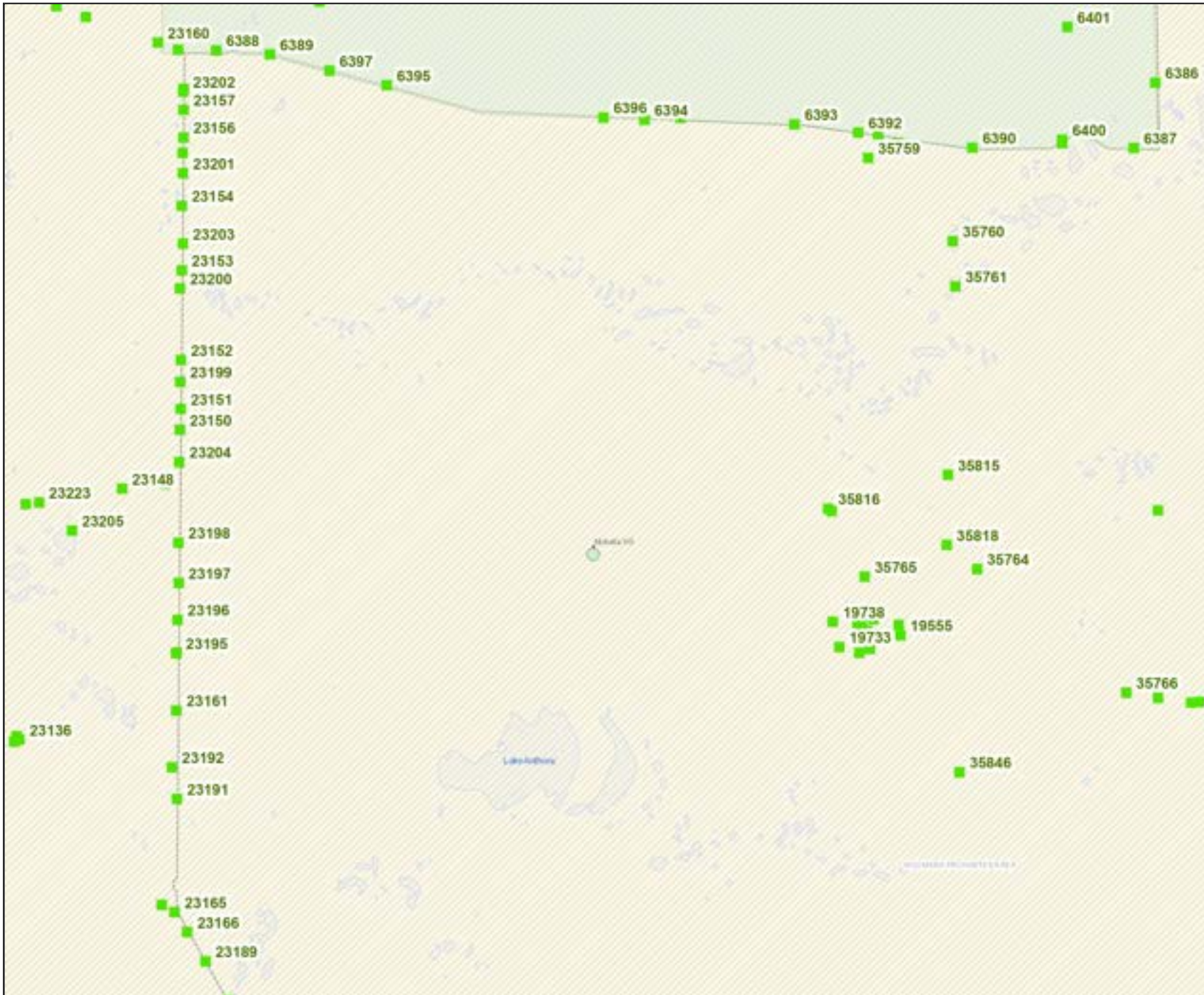
■ Fauna Site Locations



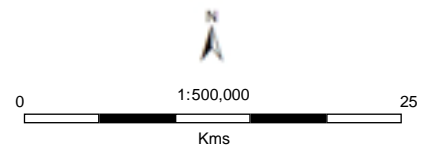
Compiled: 25-Aug-2025  
 Generated at: [www.naturemaps.sa.gov.au](http://www.naturemaps.sa.gov.au)  
 Datum: Geocentric Datum of Australia, 2020  
 Projection: Web Mercator (Auxiliary Sphere)

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■ Weeds of National Significance and buffer areas  
■ Flora Site Locations



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Map data is compiled from a variety of sources and hence its accuracy is variable.

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SA_VEG_ID	VG_GEN_STR	VG_STR_FOR	BROAD_DESC	DOMSP_GENSTR
GC0001	woodland	low open woodland	Acacia woodland	Acacia aneura complex woodland
GC0002	woodland	low open woodland	Acacia woodland	Acacia aneura complex woodland
GC0003	shrubland <1m	low sparse shrubland	chenopod shrubland	Maireana sedifolia shrubland <1m
GC0004	woodland	low open woodland	Acacia woodland	Acacia tetragonophylla woodland
GC0005	woodland	mid open woodland	Eucalyptus forest and woodland	Eucalyptus camaldulensis var. camaldulensis (NC) woodland
GC0006	woodland	mid open woodland	Acacia woodland	Acacia aneura complex woodland
GC0007	shrubland >1m	tall sparse shrubland	Acacia shrubland	Acacia ligulata (mixed) shrubland >1m
GC0008	shrubland <1m	low open shrubland	chenopod shrubland	Maireana astrotricha shrubland <1m
GC0009	shrubland <1m	low open shrubland	chenopod shrubland	Maireana pyramidata, Atriplex vesicaria ssp. shrubland <1m
GC0010	shrubland <1m	low sparse shrubland	chenopod shrubland	Atriplex vesicaria ssp., Tecticornia tenuis shrubland <1m
GC0011	grassland	low open tussock grassland	tussock grassland	Austrostipa sp. (mixed) grassland
GC0012	mallee woodland	mid mallee woodland	Eucalyptus mallee forest and mallee woodland	Eucalyptus oleosa ssp. mallee woodland
GC0014	woodland	low woodland	Acacia woodland	Acacia papyrocarpa woodland
GC0015	shrubland <1m	low open shrubland	samphire shrubland	Atriplex vesicaria ssp., Tecticornia indica ssp. leiostachya shrubland <1m
GC0016	woodland	low open woodland	Casuarina woodland	Casuarina pauper woodland
GC0017	mallee woodland	mid mallee woodland	Eucalyptus mallee forest and mallee woodland	Eucalyptus incrassata mallee woodland
GC0018	shrubland >1m	tall sparse shrubland	Acacia shrubland	Acacia tarculensis shrubland >1m
GC0019	woodland	low open woodland	Melaleuca forest and woodland	Melaleuca xerophila woodland
GC0020	shrubland <1m	low open shrubland	shrubland <1m	Eremophila rotundifolia shrubland <1m
GC0021	shrubland <1m	low open shrubland	chenopod shrubland	Maireana sedifolia shrubland <1m
GC0022	shrubland >1m	mid sparse shrubland	shrubland >1m	Dodonaea viscosa ssp. angustissima shrubland >1m
GC0023	woodland	low woodland	Eucalyptus forest and woodland	Eucalyptus coolabah woodland
GC0024	mallee woodland	mid mallee woodland	Eucalyptus mallee forest and mallee woodland	Eucalyptus concinna mallee woodland
GC0025	shrubland >1m	mid shrubland	chenopod shrubland	Chenopodium nitrariaceum (mixed) shrubland >1m

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### DETSF\_DOM

Acacia aneura complex low open woodland  
Acacia aneura complex low open woodland  
Maireana sedifolia,Atriplex vesicaria ssp. low sparse shrubland  
Acacia tetragonophylla+/-Acacia aneura complex+/-Pittosporum angustifolium low open woodland  
Eucalyptus camaldulensis var. camaldulensis (NC)+/-Pittosporum angustifolium mid open woodland  
Acacia aneura complex+/-Callitris glaucophylla mid open woodland  
Acacia ligulata,Senna artemisioides ssp. petiolaris,Dodonaea viscosa ssp. angustissima+/-Acacia ramulosa var. tall sparse shrubland  
Maireana astrotricha,Atriplex vesicaria ssp. +/-Maireana pyramidata low open shrubland  
Maireana pyramidata,Atriplex vesicaria ssp. +/-Maireana sedifolia low open shrubland  
Atriplex vesicaria ssp.,Tecticornia tenuis+/-Maireana pyramidata+/-Maireana astrotricha low sparse shrubland  
Austrostipa sp.,Carrichtera annua,Atriplex stipitata,Medicago sp. low open tussock grassland  
Eucalyptus oleosa ssp. +/-Eucalyptus brachycalyx+/-Eucalyptus gracilis+/-Casuarina pauper mid mallee woodland  
Acacia papyrocarpa+/-Alectryon oleifolius ssp. canescens+/-Myoporum platycarpum ssp. low woodland  
Atriplex vesicaria ssp.,Tecticornia indica ssp. leiostachya+/-Tecticornia medullosa low open shrubland  
Casuarina pauper+/-Acacia papyrocarpa+/-Acacia aneura complex+/-Santalum acuminatum low open woodland  
Eucalyptus incrassata+/-Eucalyptus socialis ssp. +/-Eucalyptus brachycalyx mid mallee woodland  
Acacia tarculensis+/-Acacia kempeana+/-Acacia tetragonophylla+/-Acacia burkittii tall sparse shrubland  
Melaleuca xerophila+/-Melaleuca interioris low open woodland  
Eremophila rotundifolia+/-Maireana sedifolia low open shrubland  
Maireana sedifolia low open shrubland  
Dodonaea viscosa ssp. angustissima+/-Acacia ligulata mid sparse shrubland  
Eucalyptus coolabah+/-Melaleuca xerophila low woodland  
Eucalyptus concinna+/-Eucalyptus leptophylla+/-Eucalyptus yumbarrana ssp. +/-Eucalyptus youngiana mid mallee woodland  
+/-Chenopodium nitrariaceum+/-Muehlenbeckia florulenta+/-Eragrostis setifolia+/-Eragrostis australasica mid shrubland

### ALLIANCE

Acacia aneura complex woodland over mid sparse tussock grassland  
Acacia aneura complex woodland over mid sparse shrubland and low sparse forbland  
emergent low open woodland over Maireana sedifolia shrubland <1m  
Acacia tetragonophylla woodland over low sparse shrubland  
Eucalyptus camaldulensis var. camaldulensis (NC) woodland over mid shrubs and low shrubs  
Acacia aneura complex woodland over tall shrubs and low tussock grasses  
emergent low open woodland over Acacia ligulata (mixed) shrubland >1m and low sparse shrubland  
Maireana astrotricha shrubland <1m  
Maireana pyramidata,Atriplex vesicaria ssp. shrubland <1m  
Atriplex vesicaria ssp.,Tecticornia tenuis shrubland <1m  
emergent trees over Austrostipa sp. (mixed) grassland  
Eucalyptus oleosa ssp. mallee woodland over and low open shrubland  
Acacia papyrocarpa woodland over shrubs and shrubs  
Atriplex vesicaria ssp.,Tecticornia indica ssp. leiostachya shrubland <1m  
Casuarina pauper woodland over tall sparse shrubland and low sparse shrubland  
Eucalyptus incrassata mallee woodland over tall sparse shrubland and low open hummock grassland  
Acacia tarculensis shrubland >1m over low sparse hummock grassland  
Melaleuca xerophila woodland over low open shrubland  
Eremophila rotundifolia shrubland <1m  
Maireana sedifolia shrubland <1m  
Dodonaea viscosa ssp. angustissima shrubland >1m  
Eucalyptus coolabah woodland over tall sparse shrubland and low sparse tussock grassland  
Eucalyptus concinna mallee woodland over tall sparse shrubland and low open hummock grassland  
Chenopodium nitrariaceum (mixed) shrubland >1m

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Acacia aneura complex low open woodland over *Aristida contorta* (mixed) mid sparse tussock grassland  
Acacia aneura complex low open woodland over *Maireana sedifolia* mid sparse shrubland and *Ptilotus obovatus* var. *obovatus* low sparse forbland  
emergent *Acacia papyrocarpa* low open woodland over *Maireana sedifolia* low sparse shrubland and *Ptilotus obovatus* var. *obovatus* (mixed) low sparse forbland  
*Acacia tetragonophylla* low open woodland over *Atriplex vesicaria* ssp. (mixed) low sparse shrubland  
*Eucalyptus camaldulensis* var. *camaldulensis* (NC) mid open woodland over *Atriplex nummularia* ssp. *omissa* (mixed) mid shrubs and *Enchylaena tomentosa* var. *tomentosa* low shrubs  
Acacia aneura complex mid open woodland over *Alectryon oleifolius* ssp. *canescens* (mixed) tall shrubs and *Aristida contorta* low tussock grasses  
emergent *Alectryon oleifolius* ssp. *canescens* low open woodland over *Acacia ligulata* (mixed) tall sparse shrubland and *Enchylaena tomentosa* var. *tomentosa* low sparse shrubland  
*Maireana astrotricha* low open shrubland over *Austrostipa* sp. (mixed) low sparse tussock grassland  
*Maireana pyramidata*, *Atriplex vesicaria* ssp. low open shrubland over *Austrostipa* sp. (mixed) low sparse tussock grassland  
*Atriplex vesicaria* ssp., *Tecticornia tenuis* low sparse shrubland over *Sclerolaena ventricosa* low shrubs  
emergent *Alectryon oleifolius* ssp. *canescens* trees over *Austrostipa* sp. (mixed) low open tussock grassland  
*Eucalyptus oleosa* ssp. mid mallee woodland over *Eremophila scoparia* (mixed) and *Cratystylis conocephala* (mixed) low open shrubland  
*Acacia papyrocarpa* low woodland over *Senna artemisioides* ssp. shrubs and *Maireana pyramidata* shrubs  
*Atriplex vesicaria* ssp., *Tecticornia indica* ssp. *leiotachya* low open shrubland over *Eragrostis setifolia* (mixed) low shrubland  
*Casuarina pauper* low open woodland over *Alectryon oleifolius* ssp. *canescens* tall sparse shrubland and *Maireana sedifolia* low sparse shrubland  
*Eucalyptus incrassata* mid mallee woodland over *Melaleuca uncinata* (mixed) tall sparse shrubland and *Triodia lanata* low open hummock grassland  
*Acacia tarculensis* tall sparse shrubland over *Triodia irritans* low sparse hummock grassland  
*Melaleuca xerophila* low open woodland over *Atriplex vesicaria* ssp. low open shrubland  
*Eremophila rotundifolia* low open shrubland over *Maireana triptera* (mixed) low sparse shrubland  
*Maireana sedifolia* low open shrubland over *Eriochiton sclerolaenoides* low open shrubland  
*Dodonaea viscosa* ssp. *angustissima* mid sparse shrubland over *Gunniopsis quadrifida* low open shrubland  
*Eucalyptus coolabah* low woodland over *Muehlenbeckia florulenta* tall sparse shrubland and *Aristida contorta* low sparse tussock grassland  
*Eucalyptus concinna* mid mallee woodland over *Dodonaea viscosa* ssp. *angustissima* tall sparse shrubland and *Triodia irritans* low open hummock grassland  
*Chenopodium nitrariaceum* (mixed) mid shrubland

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### SA\_VEG\_DESCRIPTION

Acacia aneura complex low open woodland over *Aristida contorta*, +/-*Eragrostis eriopoda*, +/-*Maireana georgei*, +/-*Ptilotus obovatus* var. *obovatus*, +/-*Monachather paradoxus* mid sparse tussock grassland

Acacia aneura complex low open woodland over *Maireana sedifolia*, +/-*Senna artemisioides* ssp., +/-*Eremophila latrobei* ssp. *glabra* mid sparse shrubland over +/-*Ptilotus obovatus* var. *obovatus*, +/-*Aristida contorta* low sparse forbland emergent +/-*Acacia papyrocarpa* low open woodland over *Maireana sedifolia*, *Atriplex vesicaria* ssp. low sparse shrubland over *Ptilotus obovatus* var. *obovatus*, *Sclerolaena obliquicuspis*, *Maireana astrotricha*, +/-*Austrostipa* sp.

Acacia tetragonophylla, +/-*Acacia aneura* complex, +/-*Pittosporum angustifolium* low open woodland over +/-*Atriplex vesicaria* ssp., +/-*Maireana aphylla*, +/-*Aristida contorta*, +/-*Eragrostis setifolia*, +/-*Tecticornia indica* ssp. *leiostachya* low sparse shrubland

*Eucalyptus camaldulensis* var. *camaldulensis* (NC), +/-*Pittosporum angustifolium* mid open woodland over +/-*Atriplex nummularia* ssp. *omissa*, +/-*Chenopodium nitrariaceum*, +/-*Nitraria billardierei* mid shrubs over *Enchylaena tomentosa* var. *tomentosa*, +/-*Astrebla pectinata* low shrubs

Acacia aneura complex, +/-*Callitris glaucophylla* mid open woodland over +/-*Alectryon oleifolius* ssp. *canescens*, +/-*Dodonaea viscosa* ssp. *angustissima* tall shrubs over *Aristida contorta*, *Aristida holathera* var. *holathera*, +/-*Enneapogon avenaceus* low tussock grasses emergent +/-*Alectryon oleifolius* ssp. *canescens*, +/-*Eucalyptus socialis* ssp. low open woodland over *Acacia ligulata*, *Senna artemisioides* ssp. *petiolaris*, *Dodonaea viscosa* ssp. *angustissima*, +/-*Acacia ramulosa* var. tall sparse shrubland over +/-*Enchylaena tomentosa* var. *tomentosa*, +/-*Aristida contorta*, +/-*Austrostipa* sp.

*Maireana astrotricha*, *Atriplex vesicaria* ssp., +/-*Maireana pyramidata* low open shrubland over +/-*Austrostipa* sp., +/-*Dissocarpus paradoxus*, +/-*Sclerolaena divaricata*, +/-*Ptilotus obovatus* var. *obovatus*, +/-*Maireana triptera*

*Maireana pyramidata*, *Atriplex vesicaria* ssp., +/-*Maireana sedifolia* low open shrubland over *Austrostipa* sp., +/-*Maireana turbinata*, +/-*Maireana georgei*, +/-*Sclerolaena obliquicuspis*

*Atriplex vesicaria* ssp., *Tecticornia tenuis*, +/-*Maireana pyramidata*, +/-*Maireana astrotricha* low sparse shrubland over *Sclerolaena ventricosa*, *Minuria cunninghamii*, *Sclerolaena brachyptera*, +/-*Maireana appressa*, +/-*Sclerolaena divaricata* emergent +/-*Alectryon oleifolius* ssp. *canescens* trees over *Austrostipa* sp., *Carrichtera annua*, *Atriplex stipitata*, *Medicago* sp. low open tussock grassland

*Eucalyptus oleosa* ssp., +/-*Eucalyptus brachycalyx*, +/-*Eucalyptus gracilis*, +/-*Casuarina pauper* mid mallee woodland over +/-*Eremophila scoparia*, +/-*Senna artemisioides* ssp., +/-*Geijera linearifolia* mid sparse shrubland over *Cratystylis conocephala*, +/-*Enchylaena tomentosa* var. *tomentosa*, +/-*Rhagodia ulicina*, +/-*Atriplex vesicaria* ssp., +/-*Alectryon oleifolius* ssp. *canescens*, +/-*Myoporum platycarpum* ssp. low woodland over +/-*Senna artemisioides* ssp. shrubs over *Maireana pyramidata*, *Maireana sedifolia*, *Atriplex vesicaria* ssp., +/-*Rhagodia spinescens*, +/-*Sclerolaena obliquicuspis* shrubs

*Atriplex vesicaria* ssp., *Tecticornia indica* ssp. *leiostachya*, +/-*Tecticornia medullosa* low open shrubland over *Sclerolaena divaricata*, *Eragrostis setifolia*, +/-*Sclerolaena ventricosa*, +/-*Frankenia* sp., +/-*Sclerolaena brachyptera*, +/-*Dissocarpus paradoxus*

*Casuarina pauper*, +/-*Acacia papyrocarpa*, +/-*Acacia aneura* complex, +/-*Santalum acuminatum* low open woodland over +/-*Alectryon oleifolius* ssp. *canescens* tall sparse shrubland over *Maireana sedifolia*, *Atriplex vesicaria* ssp., *Enchylaena tomentosa* var. *tomentosa* low sparse shrubland

*Eucalyptus incrassata*, +/-*Eucalyptus socialis* ssp., +/-*Eucalyptus brachycalyx* mid mallee woodland over +/-*Melaleuca uncinata*, +/-*Leptospermum coriaceum*, +/-*Calytrix involucrata*, +/-*Acacia burkittii* tall sparse shrubland over *Triodia lanata* low open hummock grassland

Acacia *tarculensis*, +/-*Acacia kempeana*, +/-*Acacia tetragonophylla*, +/-*Acacia burkittii* tall sparse shrubland over *Triodia irritans*, *Ptilotus obovatus* var. *obovatus*, +/-*Philotheca linearis*, +/-*Cheilanthes* sp. low sparse hummock grassland

*Melaleuca xerophila*, +/-*Melaleuca interioris* low open woodland over *Atriplex vesicaria* ssp., +/-*Tecticornia indica* ssp. *leiostachya*, +/-*Gunniopsis quadrifida*, +/-*Maireana pyramidata* low open shrubland

*Eremophila rotundifolia*, +/-*Maireana sedifolia* low open shrubland over +/-*Maireana triptera*, +/-*Sclerolaena eriacantha*, +/-*Sclerolaena divaricata*

*Maireana sedifolia* low open shrubland over *Eriochiton sclerolaenoides*, +/-*Atriplex vesicaria* ssp., +/-*Austrostipa scabra* ssp. *scabra*, +/-*Austrodanthonia caespitosa*

*Dodonaea viscosa* ssp. *angustissima*, +/-*Acacia ligulata* mid sparse shrubland over *Atriplex vesicaria* ssp., *Tecticornia* sp., *Gunniopsis quadrifida*, *Aristida contorta*, +/-*Sarcozona praecox*, +/-*Lawrencia squamata*

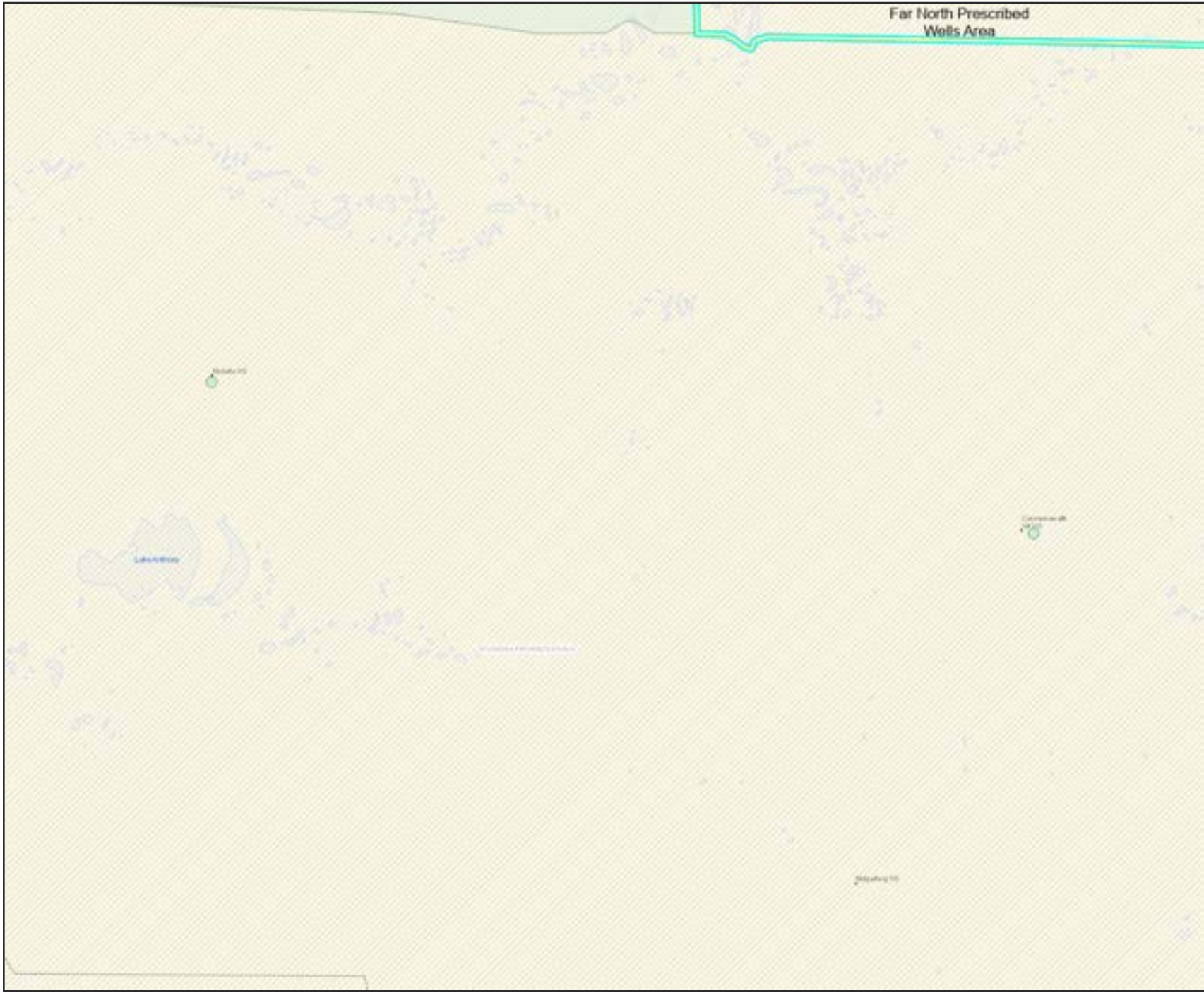
*Eucalyptus coolabah*, +/-*Melaleuca xerophila* low woodland over +/-*Muehlenbeckia florulenta*, +/-*Maireana aphylla* tall sparse shrubland over +/-*Aristida contorta* low sparse tussock grassland

*Eucalyptus concinna*, +/-*Eucalyptus leptophylla*, +/-*Eucalyptus yumbarrana* ssp., +/-*Eucalyptus youngiana* mid mallee woodland over *Dodonaea viscosa* ssp. *angustissima*, +/-*Bossiaea walkeri*, +/-*Duboisia hopwoodii* tall sparse shrubland over +/-*Triodia irritans*, +/-*Triodia lanata*, +/-*Triodia scariosa* low open hummock grass

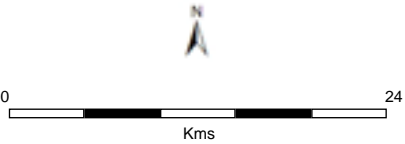
+/-*Chenopodium nitrariaceum*, +/-*Muehlenbeckia florulenta*, +/-*Eragrostis setifolia*, +/-*Eragrostis australasica* mid shrubland

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ENVIRONMENTAL_DESCRIPTION	MVG_NO	MVS_NO	MVG_NAME	MVS_NAME
Sandy plain to stony plain; sand; plain to sand plain	13	24	Acacia Open Woodland	Acacia (+/- low) open woodlands and shrublands +/- tussock grass
Sandy plain to plain; sand to clayed sand; sandy plain to plain	13	24	Acacia Open Woodland	Acacia (+/- low) open woodlands and shrublands +/- tussock grass
Sandy plain to plain; sand plain to plain	22	31	Chenopod Shrub, Samphire Shrub and Forbland	Chenopod shrublands
Depressions and stream channels; sandy clay loam; plain	13	22	Acacia Open Woodland	Arid and semi-arid acacia low open woodlands and shrublands with chenopods
Depressions and stream channels	5	8	Eucalyptus Woodland	Eucalyptus woodlands with a shrubby understorey
Deep sandy areas	13	24	Acacia Open Woodland	Acacia (+/- low) open woodlands and shrublands +/- tussock grass
Dune / consolidated dune and sandy plain; sand; dunefield	16	21	Acacia Shrubland	Other Acacia tall open shrublands and shrublands
Stony plain; plain	22	31	Chenopod Shrub, Samphire Shrub and Forbland	Chenopod shrublands
Plain; sandy clay loam; sandy plain	22	31	Chenopod Shrub, Samphire Shrub and Forbland	Chenopod shrublands
red duplex soils with gravel and stone on the surface	22	39	Chenopod Shrub, Samphire Shrub and Forbland	Mixed chenopod, samphire or forblands
Plain	19	37	Tussock Grassland	Other tussock grasslands
Dune/consolidated dune to hill footslope to plain; sandy clay loam; plain to sandy plain to dunefield to consolidated dunefield	14	55	Mallee Woodland and Shrubland	Mallee with an open shrubby understorey
Plain / hill footslope; sandy clay loam; sand plain	13	22	Acacia Open Woodland	Arid and semi-arid acacia low open woodlands and shrublands with chenopods
Floodout / swamp / other; sandy clay loam; flood plain	22	39	Chenopod Shrub, Samphire Shrub and Forbland	Mixed chenopod, samphire or forblands
Plain to sandy plain / hill footslope; sandy clay loam; sand plain; +/- lichen crust	8	26	Casuarina Forest and Woodland	Casuarina and Allocasuarina forests and woodlands
Hill crest to plain; sandy clay loam to sand; plain	14	27	Mallee Woodland and Shrubland	Mallee with hummock grass
Hill slope to hill crest to hill footslope; sandy clay loam; hills	16	21	Acacia Shrubland	Other Acacia tall open shrublands and shrublands
Flood out to swamp to sandy plain to playa/plain; flood plain	9	15	Melaleuca Forest and Woodland	Melaleuca open forests and woodlands
Stony plain and rocky hills; plain	17	32	Other Shrublands	Other shrublands
Plain; loam; plain	22	31	Chenopod Shrub, Samphire Shrub and Forbland	Chenopod shrublands
Lake to lunette; sand; flood plain	17	32	Other Shrublands	Other shrublands
Stream channel / floodout; flood plain	5	9	Eucalyptus Woodland	Eucalyptus woodlands with a grassy understorey
Dune / consolidated dune; sand; dunefield	14	27	Mallee Woodland and Shrubland	Mallee with hummock grass
Unknown	22	31	Chenopod Shrub, Samphire Shrub and Forbland	Chenopod shrublands

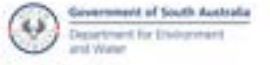


- Weeds of National Significance and buffer areas
- Prescribed Wells Areas

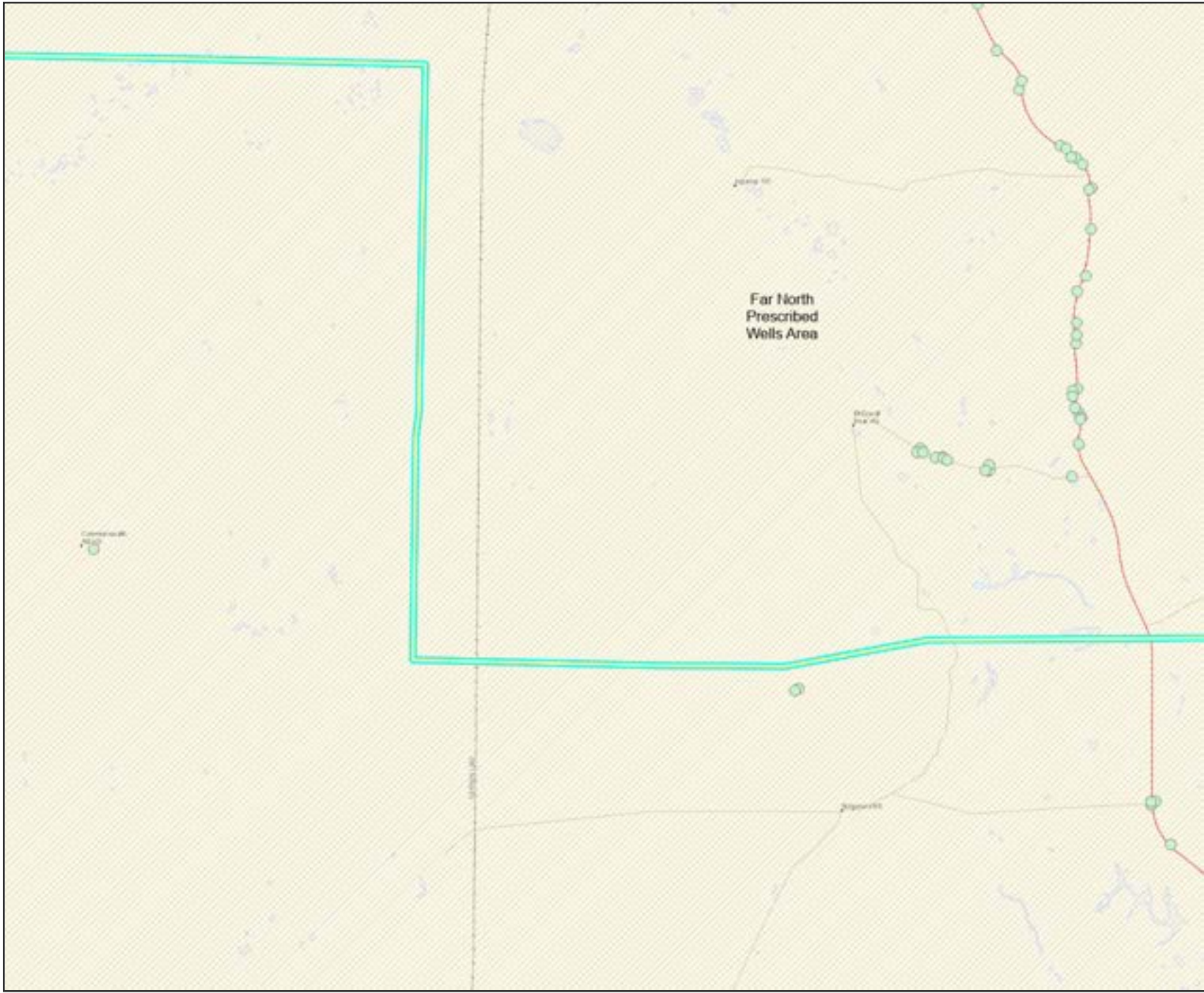


Compiled: 22-Aug-2025  
 Generated at: [www.naturemaps.sa.gov.au](http://www.naturemaps.sa.gov.au)  
 Datum: Geocentric Datum of Australia, 2020  
 Projection: Web Mercator (Auxiliary Sphere)

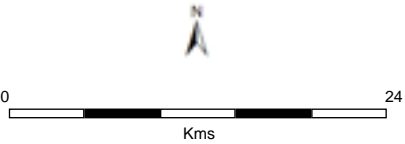
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Map data is compiled from a variety of sources and hence its accuracy is variable.

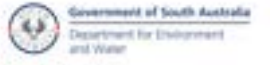


- Weeds of National Significance and buffered areas
- Prescribed Wells Areas

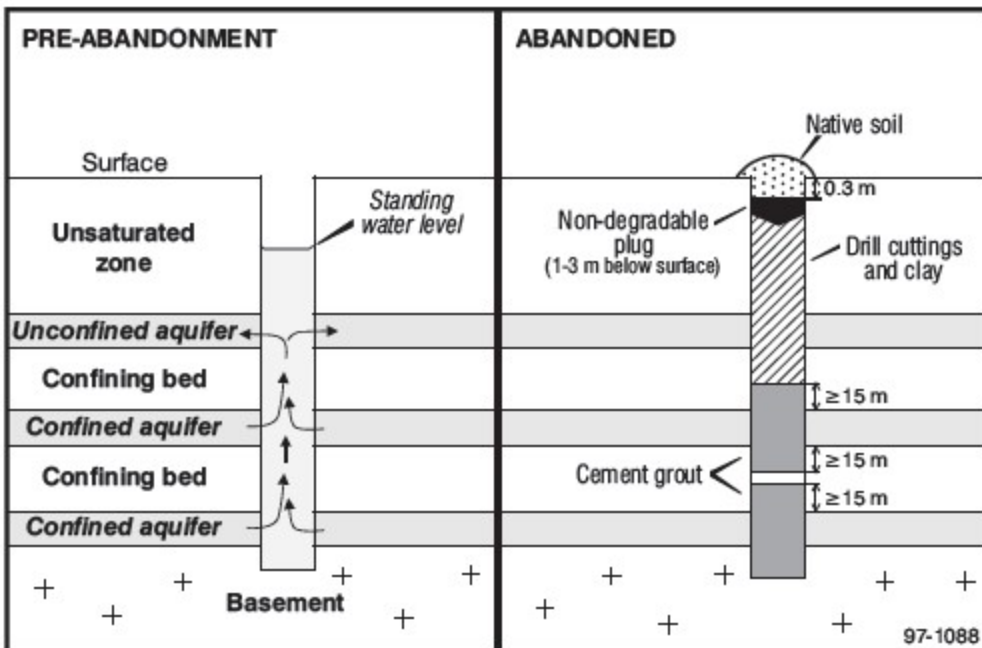
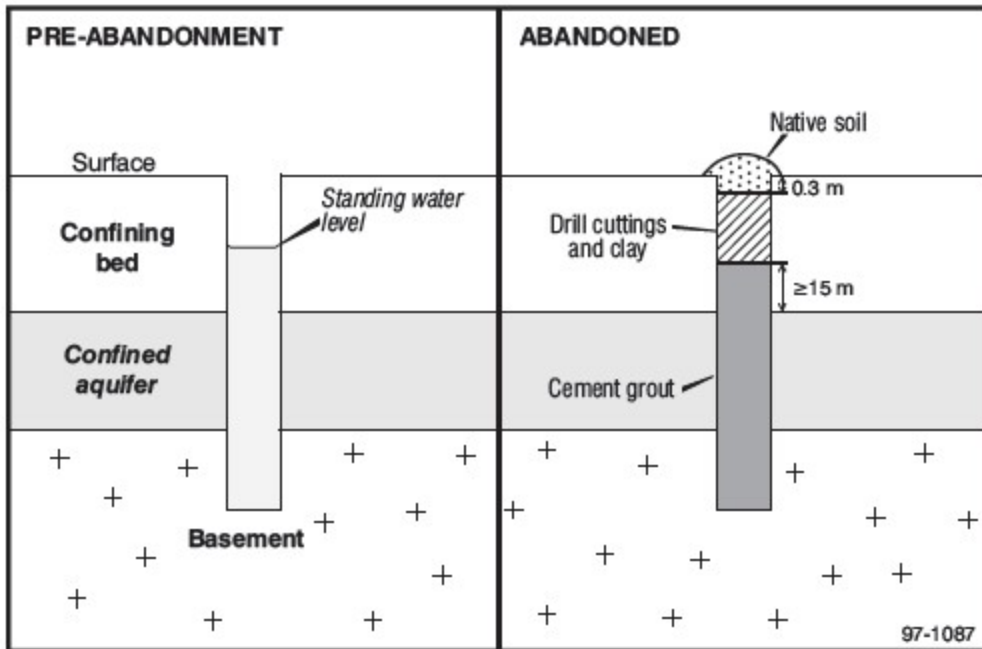
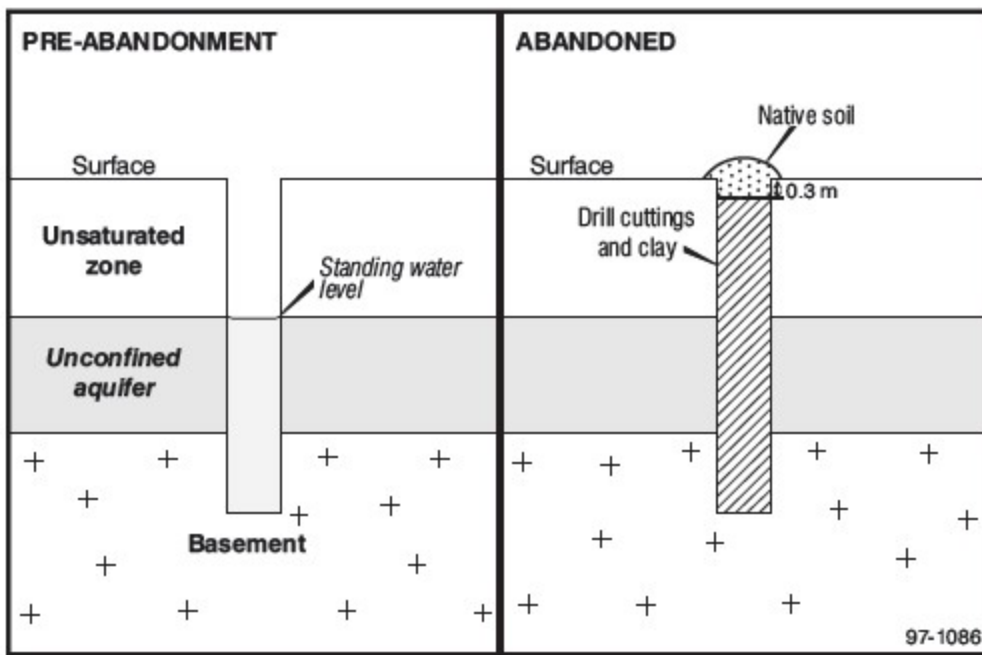


Compiled: 22-Aug-2025  
 Generated at: [www.naturemaps.sa.gov.au](http://www.naturemaps.sa.gov.au)  
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Map data is compiled from a variety of sources and hence its accuracy is variable.



## Backfilling

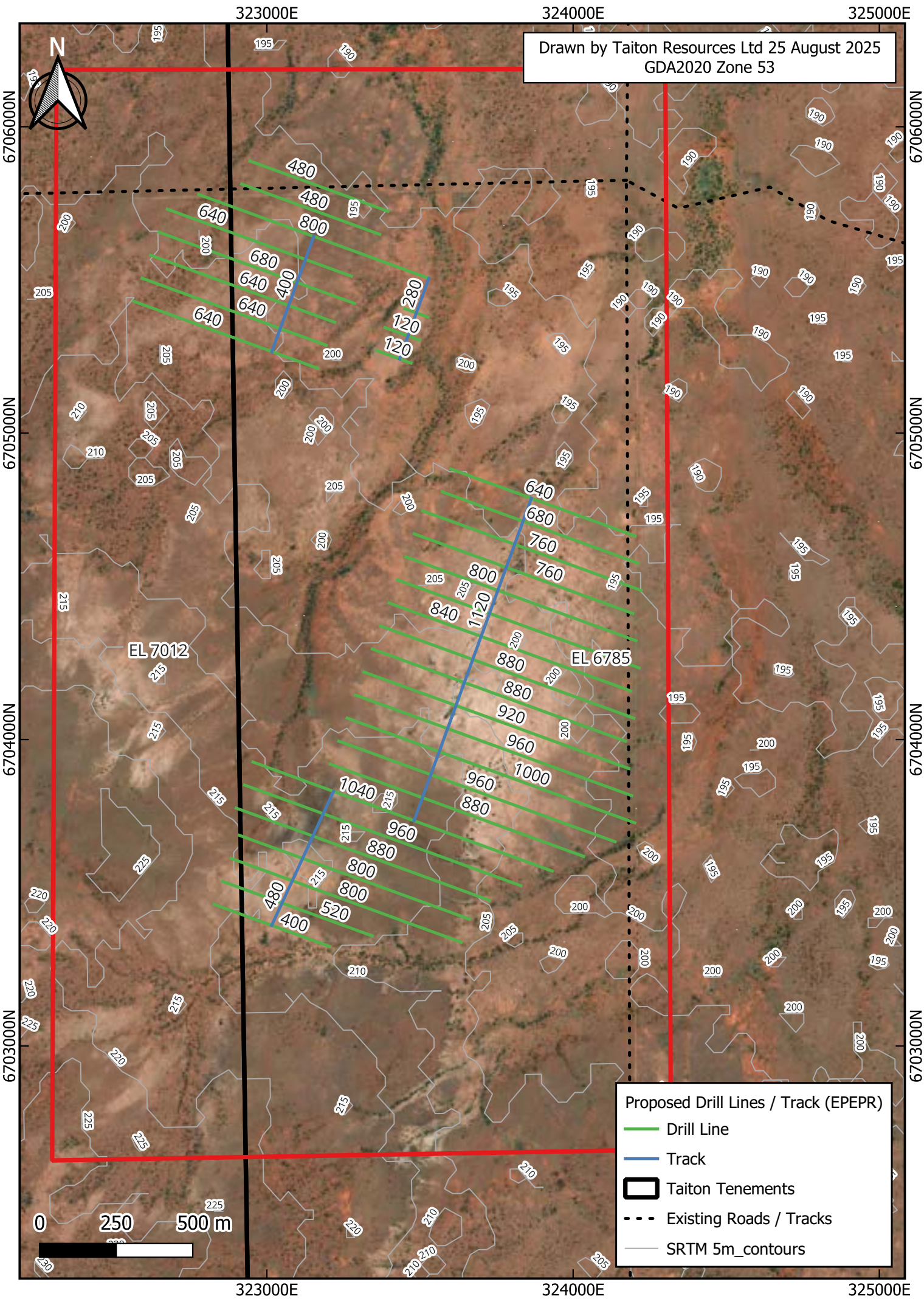
- Drillholes which penetrate a single unconfined aquifer — backfill with drill cuttings, clean fill containing clay, or cement (Fig. 2).
- Drillholes which penetrate a single confined aquifer — plug from the level at which the aquifer was penetrated with cement grout back to a minimum of 15 m into the confining bed above; and then backfill as above (Fig. 3).
- Drillholes which penetrate more than one aquifer — separate each aquifer by a cement grout plug and then backfill as above. The length of plug used will be dependent on aquifer pressure and thickness. The plug should extend through the aquifer back into the confining bed above, with a total minimum length of 20 m of grout. In an intermediate aquifer the plug should be emplaced from 15 m below the aquifer and extend upwards through the aquifer and to a distance of 15 m above the aquifer. Generally a minimum of 20 m of cement should be positioned between aquifers (Fig. 4). Shallow holes (<200 m) can be back-filled from the bottom back to surface with grout.
- Drillholes which penetrate artesian aquifers — abandon in such a way that the flow of water to surface or to other aquifers is prevented. The length of plug used to achieve this is dependent on the aquifer 'shut-in' pressure at surface. Normally allow 1 m of grout above top of aquifer for every 7 kPa of head, with a minimum of 20 m of plug (Fig. 4).
- Drillholes that do not penetrate aquifers — backfill with drill cuttings or clean fill.

Casing should be removed from the drillhole to ensure placement of effective seals. Where possible, obstructions should also be removed prior to sealing. If casing cannot be removed or has been pressure cemented in position, the drillhole should be securely capped at or below ground level as agreed with the landowner. If any radioactive source, such as a gamma probe used in downhole geophysical

Figure 2 Backfilling of a drillhole penetrating a single unconfined aquifer.

Figure 3 Backfilling of a drillhole penetrating a single confined aquifer.

Figure 4 Backfilling of a drillhole penetrating multiple aquifers or artesian aquifers (arrows indicate flow direction).



Drawn by Taiton Resources Ltd 25 August 2025  
GDA2020 Zone 53

**Proposed Drill Lines / Track (EPEPR)**

- Drill Line
- Track
- Taiton Tenements
- - - Existing Roads / Tracks
- SRTM 5m\_contours



6706000N  
6705000N  
6704000N  
6703000N

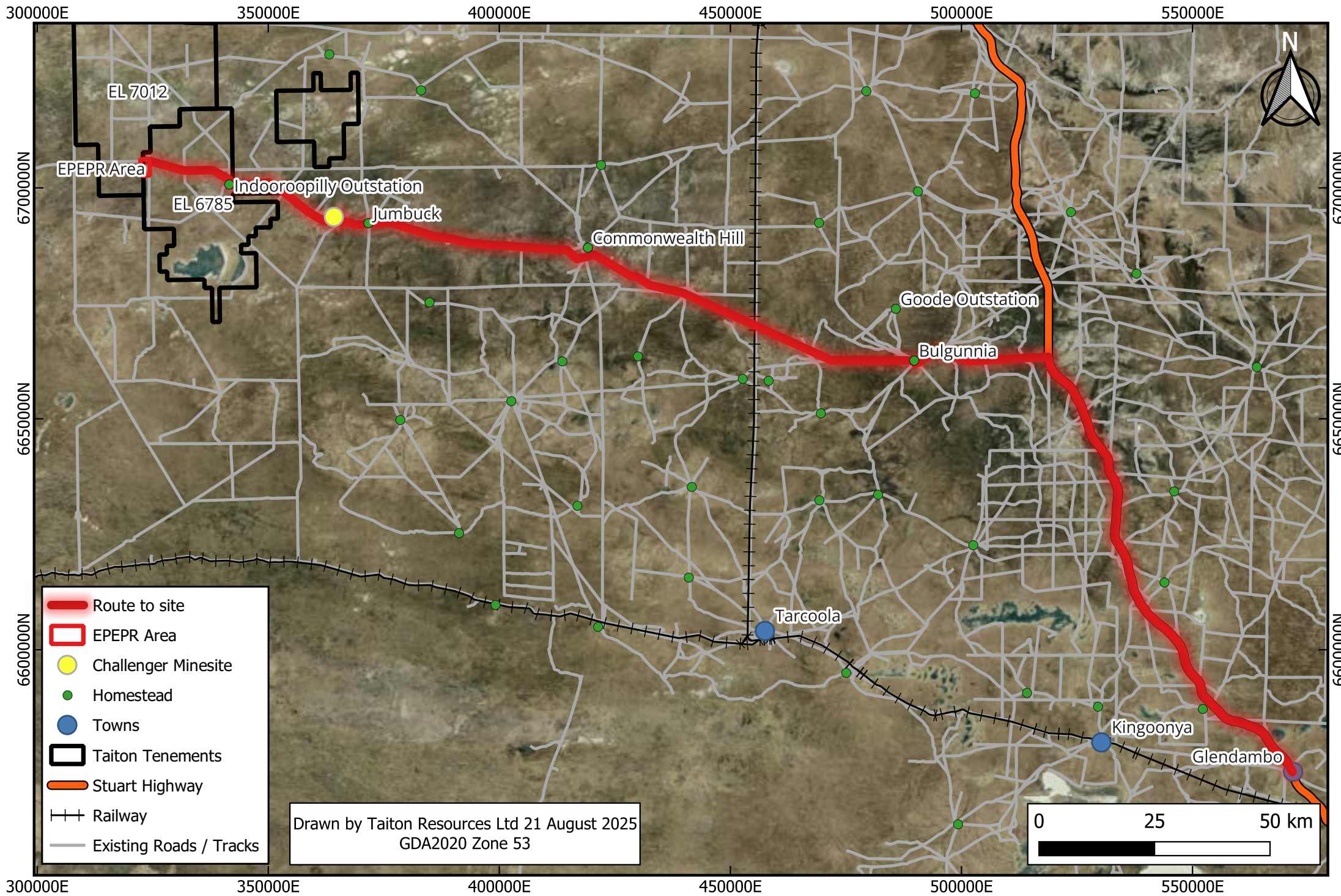
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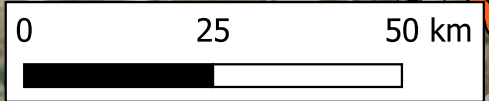
EL 7012

EL 6785



- Route to site
- EPEPR Area
- Challenger Minesite
- Homestead
- Towns
- Taiton Tenements
- Stuart Highway
- Railway
- Existing Roads / Tracks

Drawn by Taiton Resources Ltd 21 August 2025  
GDA2020 Zone 53













11

October 2024

Taiton Resources Limited  
Level 13, 200 Queen Street,  
Melbourne, VIC 3000

To: Taiton Resources Limited

**Part 9B Native Title Mining Agreement for Exploration  
Antakirinja Matu-Yankunytjatjara Aboriginal Corporation RNTBC (ICN 2932)  
& Taiton Resources Limited (ACN 062 284 084)**

We refer to the Part 9B Native Title Mining Agreement for Exploration entered into on 20 October 2022 by Antakirinja Matu-Yankunytjatjara Aboriginal Corporation RNTBC and Taiton Resources Limited (**Agreement**).

This letter is addressed to you pursuant to clause 13 of that Agreement.

You have informed us that you have initiated negotiation in accordance with Division 4 of Part 9B of the *Mining Act 1971* (SA) in respect of exploratory operations over the area EL 6857 and EL 7012 and we annex a bundle of all relevant documentation provided by you, evidencing your completion of the negotiating procedure under Part 9B.

This letter evidences our agreement to the adoption of the Agreement as a Part 9B Native Title Mining Agreement in respect of exploratory operations over the area of EL 6857 and EL 7012.

Terms defined in the Agreement bear their defined meanings when used in this letter.

**Executed on behalf of Antakirinja Matu-Yankunytjatjara Aboriginal Corporation RNTBC (ICN 2932)** in accordance with section 99-5 of the Corporations (Aboriginal and Torres Strait Islander) Act 2006 (Cth)



Signature of Director



Name of Director



Signature of Director



Name of Director

323000E

324000E

325000E

Drawn by Taiton Resources Ltd 25 August 2025  
GDA2020 Zone 53

6706000N

6706000N

6705000N

6705000N

6704000N

6704000N

6703000N

6703000N

323000E

324000E

325000E



EL 7012

EL 6785

Landform C

Landform D

Landform E

Landform A

Landform B

- Image Location
- Proposed Drill Lines / Track (EPEPR)
  - Drill Line
  - Track
- Taiton Tenements
- - - Existing Roads / Tracks
- SRTM 5m\_contours





**NOTICE OF ENTRY ON LAND**

**USE THIS FORM TO:** To notify the owner of land of an intention to enter land to carry out advanced exploration operations.

**Section A: For the attention of the Owner of Land<sup>1</sup>**

Owner of land full names(s)	Jumbuck Pastoral - Tasha Masters			ⓘ 'Owner of land' has several definitions – see notes below.
Address	GPO Box 1172			
Suburb/Locality	Adelaide	SA State	5001 Postcode	
Email	mobella@jumbuck.com.au			
Telephone	0427684810			
Type of owner	Station Manager			

<sup>1</sup> Under the *Mining Act 1971*, **owner of land** includes (but is not limited to):

- a freehold landowner; or
- a native title holder; or
- a person who controls or manages the land; or
- a person who is lawfully in occupation of the land.

Refer to Part 1, section 6 of the Act for the full definition of **owner of land**.

A Notice of Entry must also be served on –

- native title claimants registered under law; and
- SA Native Title Services (in the case of native title land as per section 58A(2) of the Act); and
- the holder of a current licence under the *Petroleum and Geothermal Energy Act 2000*.

**Section B: I give notice of an intention to enter the land described in Section F below, 42 days from the date of service of this notice.**

	<input type="checkbox"/> Individual <input checked="" type="checkbox"/> Company			ⓘ If 'Company', provide ABN/ACN. Full name and business address of tenement holder(s) intending to undertake advanced exploration operations.
Full name	Taiton Resources Limited			
Business address	Level 13, 200 Queen Street			
Suburb/Locality	Melbourne	Victoria State	3000 Postcode	
ABN	ACN			

**Section C: Contact person about this notice**

Contact name	Daniel Polette	Position title	Field Supervisor	ⓘ Contact person <b>must</b> be nominated for any queries.
Email	daniel.polette@taiton.com.au			
Telephone		Mobile	0488760791	

**Section D: Reason for seeking entry on land**

Please indicate why you wish to enter the land.	<input type="checkbox"/> As the holder of a tenement(s) granted under the Mining Act 1971			ⓘ Attach further information if required. See Appendix A for definition of tenement.
Tenement number(s)	<input checked="" type="checkbox"/> I am seeking to enter the land to carry out advanced exploration operations			


## Section E: Proposed operations

Provide a copy of the program for environment protection and rehabilitation (PEPR) if approved.

**OR**

Provide a reasonable description of the type of operations proposed to be carried out on the land.

Taiton is proposing to carry out reconnaissance RC drilling within EL6785 and EL7012. EL6785 and EL7012 are 100% owned by Taiton. The program will be completed in stages commencing on a 40m by 80m grid drilling a nominal 100 holes to a depth of 80m with potential to drill up to 150m. The program is targeting gold mineralisation analogous to the Challenger deposit located approximately 40km to the east.

 Attach further information if required.

## Section F: Location, timing and duration of proposed operations on the land

Section, Hundred

Pastoral block


Land Title reference


Identify the place(s) where proposed operations are to be conducted within the tenement (if applicable).


**AND**

Describe the process by which the owner of land will be updated on the operations carried out on the land.

1108			
Mobella Station			
Plan type	Plan number	Parcel type	Parcel number
<p>Exploration will be completed within tenements EL6785 and EL7012, as shown in the attached maps. Access will be via existing station tracks with drill lines and tracks put in where required, see attached map. The exploration team will be based at the Challenger mine located approximately 40km to the east of the proposed exploration area. The station manager will be informed by the Field Supervisor by phone and email before initial entry to the site and subsequently when the program is completed. The Field Supervisor will be contactable by phone or email during the program.</p> <p>Site preparation will commence as soon as all statutory approvals have been received. The first stage of drilling will commence in October.</p>			

 Address all requirements.

 Identify the land with as much detail as possible (a map **must** be attached). See Appendix A, part 5 for map requirements.

 Attach a list if required to reference the land.


## Section G: Management of proposed operations on the land

Identify the proposed events and their consequences on the land, and the proposed actions to manage and address them.


**AND**

Describe the process by which the owner of land will be updated on the operations carried out on the land. See Appendix A, part 9 for further information.

The station manager will be notified of the timing of the program this will include site preparation consisting of establishing access tracks of existing tracks, drill lines with widths of 4m and drill pads (20m by 20m) with sumps constructed within the drill pad. The timing of when drill rig will arrive and the commencement of the program. The station manager will also be updated on the completion date based on drill productivity. Owners of the land and Taiton Resources Limited have contact via email and phone. Taiton staff on site will have daily access to email and phone messaging.

 Address **both** requirements.

Attach further information if required.



 **Inform the owner of the land that the operations to which the notice relates are conducted under the Act and that any concerns or issues associated with the conduct of those operations may be raised with the tenement holder in the first instance.**

## Section H:

## Declaration that application is complete and accurate

I, the applicant,  
declare:

<input checked="" type="checkbox"/>	The information provided in this notice is complete and accurate and meets the requirements of section 58A of the Act	<input checked="" type="checkbox"/> Check that these items are complete. See Appendix A for links to the required documents.
<input checked="" type="checkbox"/>	I have provided a copy of 'Information Sheet M68 Notice of entry: your rights' with this notice	
<input checked="" type="checkbox"/>	I have provided a copy of 'Information Sheet M69 Your rights to agreement making and compensation' with this notice	
<input checked="" type="checkbox"/>	I have provided a copy of 'Information Sheet M71 Exempt land: court imposed conditions and compensation' with this notice	
<input checked="" type="checkbox"/>	I have provided a copy of 'Information Sheet M72 Exempt land: supporting landowners with legal fees' with this notice	
<input checked="" type="checkbox"/>	I have provided a copy of 'Information Sheet M73 Your rights to the apply to the Small Business Commissioner' with this notice	
<input checked="" type="checkbox"/>	I have kept a duplicate copy of this completed notice and completed the 'Proof of Service' information on my copy only (Appendix B) in accordance with Regulation 70(1)	
<input checked="" type="checkbox"/>	I understand I must serve a copy of this notice on the Mining Registrar in accordance with Regulation 70(2)	

APPLICANT 1		Individual or Company Representative 1		Individual's Witness or Company Representative 2		<input checked="" type="checkbox"/> <b>COMPANY:</b> Sign in accordance with the Corporations Act 2001. If agent, written authority must be provided.
Print Name	1.	Daniel Polette		2.	Shane Tomlinson	
Signature	1.			2.		
APPLICANT 2		Individual or Company Representative 1		Individual's Witness or Company Representative 2		<input checked="" type="checkbox"/> <b>INDIVIDUAL:</b> Signature must be witnessed by a person who is not a beneficiary of the application.
Print Name	1.			2.		
Signature	1.			2.		



## NOTICE OF ENTRY ON LAND

## APPENDIX A: FURTHER INFORMATION FOR THE OWNER OF LAND

## MINING ACT 1971

Notice under Section 58A(15) of the *Mining Act 1971*

NOTICE is hereby given pursuant to the provision of section 58A(15) of the *Mining Act 1971*, to specify the manner and form of a notice under section 58A(2) of the *Mining Act 1971*.

TAKE notice that I, Daniel van Holst Pellekaan, Minister for Energy and Mining, pursuant to section 58A(15) of the *Mining Act 1971* do hereby:

DETERMINE that a notice under section 58A(2) of the *Mining Act 1971* must be in the following manner and form:

1. state the full name(s) and address(es), as well as the phone numbers and email addresses (if known) of each owner of land;
2. state the full name(s) and business address(es) of the tenement holder(s);
3. provide the name, telephone number and email address of a person who may be contacted about the notice;
4. provide a description of the land, including the title reference (CT or CL) and parcel references, relating to the notice;
5. provide a map clearly showing the following (at a minimum):
  - a. relevant property ownership boundaries;
  - b. tenement area (if applicable);
  - c. area of proposed operations to be conducted within the tenement (if applicable);
  - d. an arrow showing North;
  - e. the Eastings and Northings of the tenement;
  - f. relevant topographical information; and
  - g. a scale bar;
6. provide the tenement numbers of the tenements related to the notice being served (tenement information can be found at [map.sarig.sa.gov.au](http://map.sarig.sa.gov.au));
7. provide a copy of or a link to access the program for environment protection and rehabilitation (PEPR) (if approved) or provide a reasonable description of the type of operations proposed to be carried out on the land;
8. set out a process by which the owner of the land will, on an on-going basis, be:
  - a. updated on the operations carried out on the land
  - b. notified of the place or places where operations are to be carried out on the land
  - c. notified of the proposed timing for the operations and the proposed duration of the operations
  - d. provided with reasonable information on the anticipated events and consequences associated with the operations to be carried out on the land (including any potential impacts on native title rights and interests and Aboriginal heritage).
  - e. provided the proposed action the tenement holder will take to manage and address those events and consequences (including any potential impacts on native title rights and interests and Aboriginal heritage), in order to enable the owner of the land to make an informed decision about the impact or potential impact of the operations on the land.
9. be accompanied by an Information Sheet relating to:
  - a. the owner of land's rights to object to a notice and rights to compensation approved by the Minister and published on the website of the [Department for Energy and Mining](#); and
  - b. the owner of land's rights to apply to the Small Business Commissioner approved by the Minister and published on the website of the [Department for Energy and Mining](#).

## Links to required information sheets

- [Information Sheet M68 Notice of entry: your rights](#)
- [Information Sheet M69 Your rights to agreement making and compensation](#)
- [Information Sheet M71 Exempt land: court imposed conditions and compensation](#)
- [Information Sheet M72 Exempt land: supporting landowners with legal fees](#)
- [Information Sheet M73 Your rights to the apply to the Small Business Commissioner](#)

## Tenement definition –

A tenement is a mining tenement granted under the Act. A mining tenement can be:

- Exploration Licence (EL)
- Mineral Claim (MC)
- Mining Lease: Extractive Minerals Lease (EML) or Mineral Lease (ML)
- Retention Lease (RL)
- Miscellaneous Purposes Licence (MPL)



**NOTICE OF ENTRY ON LAND**

**APPENDIX B: PROOF OF SERVICE – MINING OPERATOR TO RETAIN THIS PAGE**

Name(s) of owner of land	Jumbuck Pastoral - Tasha Masters		<p><b>(i)</b> Record this information on your duplicate copy of the Notice of Entry.</p> <p>Do not provide this page to the owner of land.</p> <p>Notice must be served in a method that complies with regulation 106 of the <i>Mining Regulations 2011</i>.</p> <p>Notices in a company name must be signed by appropriate representative/s.</p> <p>Signatory may be an agent (written authority must be provided).</p>	
Date original notice served on owner of land	8/09/2025			
Person responsible for service of notice	Daniel Polette			
Method of service	Email			
Print Name	1.	Daniel Polette	2.	Shane Tomlinson
	1.	Field Supervisor	2.	Exploration Manager
Date Signed	1.	8/09/2025	2.	8/09/2025
	1.		2.	