



26 June 2026

Mr Martin Janes,  
Terramin Exploration Pty Ltd  
2115 Callington Road  
STRATHALBYN, SA 5255

Via email: [mjanes@terramin.com.au](mailto:mjanes@terramin.com.au)

Dear Mr Janes

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

In reference to your final submission dated 24 June 2026, 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>Terramin Exploration Pty Ltd</b>
<b>Tenement Type &amp; Number</b>	EL 6198
<b>Program Number</b>	EP-04147
<b>EPEPR Description</b>	To drill up to 5 holes between 30 m and 1000 m deep to test the functionality, durability and sample fidelity of the coiled tube drill which is being developed by the Min Ex CRC Coiled Tubing Directional Drilling Research Project.

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.

#### 1 Public Liability Insurance

Pursuant to Regulation 81 of the [Mining Regulations 2020](#) (the Mining Regulations), you are required to provide a copy of a certificate evidencing the insurance coverage over the tenement.

#### 2 Land Access



EL 6198 is subject to exempt land under the Mining Act. You are reminded that in accordance with section 9AA of the Mining Act, operations are not authorised to occur on exempt land, until such time as a waiver of exemption is in place.

### 3 Compliance Reporting

You are required to submit an annual exploration compliance report in accordance with your current reporting schedule. Please refer to the DEM [website](#) for more information on the reporting requirements.

### 4 Work, Health and Safety Compliance

In accordance with Chapter 10 of the *Work Health and Safety Regulations 2012 (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 [SafeWork SA website](#).

### 5 EPEPR Timeframe

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:

#### General enquiries

Jason Perry  
Senior Assessment Officer, Exploration Regulation  
[DEM.exploration@sa.gov.au](mailto:DEM.exploration@sa.gov.au)

Yours sincerely

Simon Constable

**DIRECTOR, MINERALS REGULATION**

In accordance with delegated powers and functions

The Department's Regulatory Guidelines, Ministerial Determinations and Information Sheets are available at: <https://energymining.sa.gov.au/industry/minerals-and-mining/forms-legislation-and-guidance>

# Exploration PEPR - EPEPR | 12 Month PEPR

Reference Number: **EP-04147** • Status: **Assessment**

## Select Applicable PEPR

Previous MERS EPEPR?

No  Yes

Previous PEPR ID

—

Search PEPRs

—

## Applicant and General Details

### Applicant Details

Leon Faulkner

**Full Name \***

Leon Faulkner

**Business Phone**

0871271110

## Mobile Phone

0409612004

## Email \*

[lfaulkner+operator@envirocopper.com.au](mailto:lfaulkner+operator@envirocopper.com.au) (<mailto:lfaulkner+operator@envirocopper.com.au>)

## Project Supervisor

Mr Leon Faulkner, Managing Director, Environmental Copper Recovery Pty Ltd

M: 0409 612 004

T: 08 7127 1110

MinEx CRC Contact Persons:

Soren Soe (Adelaide University)

Camron Jackson MinEx CRC

## General Details

### Tenement Details \*

Tenement Type	Tenement Name	Tenement Holder
Exploration Licence	EL 6198	Terramin Exploration Pty Ltd

### Operating Company

ENVIROCOPPER LIMITED (Operator)

If there is another Operating Company, please provide

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

## Project/prospect name

The Kapunda Copper ISR - Steered CT hole Project

## Mineral Model

In-Situ Recovery (ISR) of copper

## Primary Commodities \*

Commodity Name ↑	Commodity Group	Grade
Copper	Exploration	

## Secondary Commodities

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

## Project Description

ECR is exploring the potential for In-Situ Recovery (ISR) of Copper. This exploration program is focussed on construction of wells and aquifer pumping test work required to evaluate the Kapunda hydrogeology and amenability of the Kapunda deposit for copper recovery using ISR technology.

Additional to the project above, ECR and Terramin has given approval to MinEx CRC to drill up to 5 holes (additional to the holes proposed for the above) between 30 and 1000m deep to test the functionality, durability and sample fidelity of the coiled tube drill which is being developed by the MinEx CRC Coiled Tubing Directional Drilling Research Project in a location close to Adelaide to enable easy access for mechanical engineers and other support services to repair, modify and optimise the operation of the CT drill rig, before it is deployed to remote locations around Australia. This phase of the project is the field trial of the CT rig and the directional capabilities which will provide key information and diagnostics to advance the Directional Coiled tubing (CT) technology. The MinEx CRC section of the proposal is planned to commence July 2026.

## Proposed Project Schedule

**Start Date**

01/07/2026

**End date**

01/07/2027

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

Private land. Township of Kapunda, approximately 80km north east of Adelaide.

### Area (Sqkm)

0.06

## Spatial Data Intersects - Summary Table

Show  entries

Search:

Spatial Layer Name	Category	Referral	Intersect Count
1:250K mapsheets	Other		1
Cadastral Parcels	Other		5
Determinations of Native Title	Other		1
Exploration licences (mineral/opal)	No-Go Area		1
Planning and Design Code Zones - conservation	Other		1
Private mines (PM)	Other		1
Registered Native Title Determination Applications	Other		1
Schedule of Native Title Claims	Other		1
Terrestrial - BOM Groundwater Dependant Atlas (GDE Atlas)	Other		1

Showing 1 to 9 of 9 entries

Previous

1

Next

## Spatial Data Intersects - Details Table

Show  entries

Search:

<b>Spatial Layer Name</b>	<b>Shape</b>	<b>Primary Attribute</b>	<b>All Attributes</b>	<b>Category</b>
1:250K mapsheets	Shape 1	ADELAIDE	View attributes	Other
Cadastral Parcels	Shape 1	D129427AL1014	View attributes	Other
Cadastral Parcels	Shape 1	D129427AL1012	View attributes	Other
Cadastral Parcels	Shape 1	D129427AL1016	View attributes	Other
Cadastral Parcels	Shape 1	F214462QP97	View attributes	Other
Cadastral Parcels	Shape 1	D129427AL1010	View attributes	Other
Determinations of Native Title	Shape 1	Ngadjuri Nation #2	View attributes	Other
Exploration licences (mineral/opal)	Shape 1	EL 6198	View attributes	No-Go Area
Planning and Design Code Zones - conservation	Shape 1	Conservation	View attributes	Other
Private mines (PM)	Shape 1	PM 10	View attributes	Other

Showing 1 to 10 of 13 entries

Previous

1

2

Next

## Program Preparation

## Work undertaken in preparing the proposal

The scope of this exploration program is to drill one or more angled holes with the Coiled Tube drilling Rig. This work will provide key information as to whether steered Coiled Tube Drilling may be used place screens in the ground allowing ISR to take place with little to no surface disturbance in sensitive areas. Allowing metal recovery to take place with almost no impact on surrounding stakeholders.

The work undertaken to inform preparation of the proposed exploration program includes:

- Detailed review of hydrogeology (Groundwater Science).
- Land-owner consultation.
- Preparation and issue of 'Land Access and Waiver of Exemption'.
- Field visits and reconnaissance, including site visit with proposed drilling contractor to agree drilling equipment, access and site layout.
- Baseline Sampling of existing wells in proximity to the site.

Evaluation of the deposit by ECR to date has comprised:

- Development of a block model of the copper resource.
- Development of a fracture model of the deposit. The main structural features comprise structures on a SSW-NNE trend and a second set of structures on a NW-SE trend.
- Evaluation of the hydrogeology of the deposit. This evaluation was based on DEW Regional well database and analysis of historical drill hole data.
- A 3-dimensional groundwater flow model of the deposit developed by ECR to estimate flow of groundwater through the system in response to injection and pumping from wells.

This work will provide key information and diagnostics to advance the Directional Coiled tubing (CT) technology to get the rig to be field ready for the drilling of angles holes utilizing the newly developed steering capacity. The CT rig has previously drilled holes at the site so Minex CRC staff and contractors have plans for environmental control, the drill rig footprint, vehicle movement/management and logistics.

## Operator Capability

All activities undertaken by EnviroCopper are done so in a manner that is aimed to achieve “zero harm”. EnviroCopper is committed to ensuring the following objectives are met during every phase of the exploration program:

- Legislative compliance with respect to health, safety, the environment and community
- The protection of the natural environment, public safety, and amenity
- Achievement of agreed environmental outcomes.

EnviroCopper has an existing Work Health and Safety Management System (WHSMS) that describes how work health and safety can be maintained. Working conditions will be continually improved and will ensure environmental and EPEPR compliance. The WHSMS includes policies and procedures, checklists, and forms. Employees and contractors are inducted and trained in the WHSMS and relevant procedures.

The WHSMS has established procedures for environmental and safety hazard identification & risk management and incident reporting (in accordance with regulation 79(3)) & investigation. An overview of the WHSMS Flowsheet is provided as figure 6.

EnviroCopper and contractors will also be inducted and trained in the relevant environmental outcomes stated in the previous approved EPEPR. Compliance with the outcome measurement criteria will be reported by EnviroCopper in the relevant sections of the Annual Exploration Compliance Report.

EnviroCopper has already developed and implemented a stakeholder and community engagement plan and have been active in the Kapunda community for a number of years.

Any complaints from landowners, Light Regional Council or the community will be recorded, investigated, and resolved within a two (2) week period. Complaints and actions will also be reported in the ‘Complaints’ section of the annual exploration compliance report.

## Lease Conditions

The land identified for the proposed exploration activities is located on freehold land in what was the southern extent of the Kapunda Historic Mine Site. The land is currently used for grazing and cropping

## 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
CT 6279/78 5	D1294 27AL1 016	Freehold	Russell Webber	Service of Notice of Entry	01/02/2019	NT-01245	Checked
CT 6279/78 3	D1294 27AL1 012	Freehold	Tim Elbourn e	Service of Notice of Entry	02/06/2023	NT-01246	Checked
CT 6279/78 4	D1294 27AL1 014	Freehold	Wilson (formerl y Hampel )	Land Access Agreement	15/02/2024	NT-01268	Checked
CT 5736/17 4	F2144 62QP 97	Freehold	Wilson (formerl y Hampel )	Land Access Agreement	15/02/2024	NT-01268	Checked
CT 6279/78 2	D1294 27AL1 010	Freehold	Wilson (formerl y Hampel )	Land Access Agreement	15/02/2024	NT-01268	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

No

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

<b>Name</b>	<b>Are you intending to undertake work?</b>	<b>Closure start date</b>	<b>Closure end date</b>
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There are no records to display.

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

—

**Permit No.**

—

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

—

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

—

**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?**

No

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

<b>Name of Determined / Claimant Group</b>	<b>Agreement Type</b>	<b>Instrument Number</b>	<b>Applicable</b>
Ngadjuri Nation #2			No

**Provide any additional relevant information**

The proposed exploration works will be located on farm-land in what was historically the southern section of Kapunda Historic Mine Site. It is now located in privately owned freehold land.

**Exempt Land**

**Exempt Land**

**Has Exempt land been identified?**

Yes

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.\***

<b>Land Title</b>	<b>Plan Parcel I</b>	<b>Owner of Land that has benefit of exemption ↑</b>	<b>Why is the land exempt land?</b>	<b>Waiver of exemption(s) been negotiated</b>	<b>Instrument Number or Uploaded Document Id</b>
CT 6279/785	D1294 27AL1 016	Russell Webber	Yard or Garden	Yes	NT-01245
CT 6279/783	D1294 27AL1 012	Tim Elbourne	Yard or Garden	Yes	NT-01246
CT 6279/784	D1294 27AL1 014	Wilson (formerly Hampel)	Cultivated Field, plantation, orchard or vineyard	Yes	NT-01268
CT 5736/174	F2144 62QP9 7	Wilson (formerly Hampel)			
CT 6279/782	D1294 27AL1 010	Wilson (formerly Hampel)	Cultivated Field, plantation, orchard or vineyard	Yes	nt-01268

**Exempt Land Plan** ⓘ

**Expand/Collapse**

File Name	File Size (Mb)	Created On	Download
exempt.jpg	0.43 Mb	02-06-2026 11:39:17	<a href="#">Download (MERS/EP-04147/Land Access and Consultation/Exempt Land/exempt_2026-06-02T02-09-18.520Z.jpg)</a>

## Consultation

### Consultation

Stakeholder	Land Use	Matters raised	Stakeholder concerns raised and how addressed
Russell Webber			
Tim Elbourne			
Wilson (formerly Hampel)	Residential	noise from drilling	noise barrier implemented
Wilson (formerly Hampel)			
Wilson (formerly Hampel)			

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 proposed exploration site is located on private farmland in area to the south of the Kapunda Historic Mine Site, located in the Township of Kapunda, some 80km north east of Adelaide. The major land uses in the region are grazing and cropping.

All proposed exploration falls within EL6198 Kapunda, on Parcel ID F199322/A92.

The centre of the Township of Kapunda is located 1.3km to the north of the site. The nearest property is located 130m to the north east, this property is owned by the landowner. There is another property 400m to the north east. These are rural farming properties with homestead and associated sheds and other agricultural buildings.

Perry Rd and East Tce run along the northern and western edge of the property. A section of the Heysen Trail runs along the northern edge of the site. The Mary McKillop Walk runs from north to south approximately 250m to the east of the site.

### Attach Files

[Expand/Collapse](#)

File Name	File Size (Mb)	Created On	Download
Map A.jpg	0.17 Mb	26-05-2026 10:54:31	<a href="#">Download (MERS/EP-04147/Proximity to infrastructure/Map A_2026-05-26T01-24-33.542Z.jpg)</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, saltpans, claypans etc) any other characteristics (e.g. acid sulphate soils) that may require control strategies to reduce environmental impacts during operations or rehabilitation.

The topography of the general area is slightly sloping, with the slope running from north west to south east. The landform slopes gently towards the Light River to the south east. The highest point is the area to the north west within the Mine Site. The proposed exploration site is located on a flat area at the base of the southern slope. The location has been chosen to reduce slope and susceptibility to stormwater run-off and erosion. Contours for the site and shown in attached file.

#### Attach Files

[Expand/Collapse](#)

File Name	File Size (Mb)	Created On	Download
Topography.png	8.37 Mb	26-05-2026 10:59:55	<a href="#">Download (MERS/EP-04147/Landform,topography/Topography_2026-05-26T01-29-56.819Z.png)</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.**

There is a culvert located under East Tce moving stormwater from north to south. This results in stormwater moving through the culvert from the Mine Site and other areas of the Township to the north of the site. Stormwater runs in a southerly direction through the culvert and enters a drainage line located on site. Stormwater then moves south east along a drainage line towards the Light River located approximately 600m to the south east of the site. There is also an ephemeral drainage line running off higher ground to the west of the site which joins the main drainage line south of the exploration site. No water courses or drainage lines will be crossed during the establishment or operation of the exploration site.

Stormwater in the area runs from north to south. Stormwater reaching the site originates from the area of Mine Site. Historical contamination from the Mine Site may have been distributed by run-off along drainage lines. The drainage lines located near the exploration site therefore may have elevated levels of copper and other contaminants and are potentially showing stress from the presence of low pH acid mine drainage. The issue of contamination of drainage lines forms part of a CSIRO study proposed for the area looking at environmental conditions and the potential impacts of acid mine drainage on the catchment.

**Indicate how you will avoid disturbance**

—

**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**

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**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** 

[Expand/Collapse](#)

File Name	File Size (Mb)	Created On	Download
Surface Water.jpg	0.17 Mb	26-05-2026 10:57:34	<a href="#">Download (MERS/EP-04147/Surface water/Surface Water_2026-05-26T01-27-35.869Z.jpg)</a>

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**

The project lies within the Adelaide Rift Geological Domain with the region dominated by Neoproterozoic Aged rocks. The 100K geology map indicates the main geological units as Tapley Hill Formation and Eudunda Arkose Member, with the southern portion of the historical mining area comprising Brighton Limestone and Tarcowie Siltstone.

Hydrogeologically, rock types are expected to behave as fractured rock aquifers (FRA), with hydraulic behaviour predominantly governed by secondary porosity developed from fracturing. Preliminary information provided by the Company suggests the deposit has been highly fractured by a series of en echelon veins (L Faulkner pers comm. 2017) running through the deposit

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
Kapunda	Neoproterozoic	90	Tapley Hill Formation	90	Uncconfined	7,7700 – 9,500 mg/L TDS	11	

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

The water is not suited for drinking, stock watering or irrigation and is suited only to industrial use including mining.

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

The Light River is identified as an aquatic ecosystem that relies on the surface expression of groundwater—this includes surface water ecosystems which may have a groundwater component, such as rivers, wetlands and springs. The Light River at Site A was investigated by CSIRO in 2020, who concluded that the Light River receives groundwater discharge and that the discharge maintains flow and pools over summer. Whilst a groundwater baseflow to streams and rivers is common, an interesting feature in the case of the Light River is that this baseflow is quite saline. Accordingly, the Light River is often considered by local management agencies to be ‘degraded’ owing to ecological classification systems for Australian waterways that use comparison with pristine (usually freshwater) reference environments. This approach is appropriate when formerly freshwater environments have become more saline due to land-use change or other processes. However, it is less so in cases when the environment is naturally saline.

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

### Attach Files

[Expand/Collapse](#)

File Name	File Size (Mb)	Created On	Download
map d.jpg	0.21 Mb	02-06-2026 11:49:15	<a href="#">Download (MERS/EP-04147/Ground water/map_d_2026-06-02T02-19-16.093Z.jpg)</a>

## Native Vegetation

### Will you be working within areas of native vegetation?

No

### Provide the following information:

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

The proposed exploration site will not work in areas of native vegetation as the site is located on agricultural farmland.

### Attach Files

[Expand/Collapse](#)

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

## Fauna

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

ALA Species Checklist (Fauna) with 1km radius of exploration area:

- *Platycercus (Platycercus) elegans* (Crimson Rosella)
- *Rhipidura (Rhipidura) albiscapa* (Grey Fantail)
- *Cracticus tibicen* (Australian Magpie)
- *Manorina (Myzantha) melanocephala* (Noisy Miner)
- *Ptilotula penicillata* White-Plumed Honeyeater
- *Anthochaera (Anthochaera) carunculata* Red Wattlebird
- *Ocyphaps lophotes* Crested Pigeon
- *Artamus (Angroyan) cyanopterus* Dusky Woodswallow
- *Turdus merula* (Blackbird)
- *Chenonetta jubata* (Australian Wood Duck)
- *Columba (Columba) livia* (Rock Pigeon)
- *Accipiter (Leucospiza) fasciatus* (Brown Goshawk)
- *Anthochaera carunculata* (Red Wattlebird)
- *Pachycephala (Alisterornis) rufiventris* (Rufous Whistler)
- *Rhipidura (Sauloprocta) leucophrys* (Willie Wagtail)
- *Aquila (Uroaetus) audax* (Wedge-Tailed Eagle)
- *Eolophus roseicapillus* (Galah)
- *Lalage (Lalage) sueurii* (White-Winged Triller)
- *Corvus mellori* (Little Raven)
- *Cacatua (Licmetis) sanguinea* (Little Corella)
- *Passer (Passer) domesticus* (House Sparrow)
- *Geopelia striata* (Peaceful Dove)
- *Psephotus (Psephotus) haematonotus* (Red-Rumped Parrot)
- *Gallinula (Gallinula) tenebrosa* (Dusky Moorhen)
- *Phylidonyris (Meliornis) novaehollandiae* (New Holland Honeyeater)
- *Tachybaptus novaehollandiae* (Australasian Grebe)
- *Grallina cyanoleuca* (Magpie-Lark)
- *Caligavis chrysops* (Yellow-Faced Honeyeater)
- *Acanthiza (Geobasileus) chrysorrhoa* (Yellow-Rumped Thornbill)
- *Anas (Nettion) gracilis* (Grey Teal)
- *Hirundo neoxena* (Welcome Swallow)
- *Alauda arvensis* (Eurasian Skylark)
- *Glossopsitta concinna* (Musk Lorikeet)
- *Anas (Anas) superciliosa* (Pacific Black Duck)
- *Sturnus (Sturnus) vulgaris* (Common Starling)
- *Colluricincla (Colluricincla) harmonica* (Grey Shrike-Thrush)
- *Falco (Tinnunculus) cenchroides* (Nankeen Kestrel)
- *Haliastur sphenurus* (Whistling Kite)
- *Zosterops lateralis* (Silvereye)
- *Parvipsitta porphyrocephala* (Purple-Crowned Lorikeet)
- *Falco (Ieracidea) berigora* (Brown Falcon)
- *Trichosurus vulpecula* (Australian Brushtail Possum) \*\*\*
- *Coracina (Coracina) novaehollandiae* (Black-Faced Cuckoo Shrike)
- *Anilius bicolor* (Dark-Spined Blind Snake)
- *Corcorax melanorhamphos* (White-Winged Chough) \*\*\*
- *Anilius bituberculatus* (Prong-Snouted Blind Snake)
- *Vanellus (Lobipluvia) miles* (Masked Plover)
- *Morelia spilota* (Carpet Python) \*\*\*
- *Merops (Merops) ornatus* (Rainbow Bee-Eater)
- *Acanthiza (Subacanthiza) nana* (Yellow Thornbill)

- Melopsittacus undulatus (Budgerigar)
- Streptopelia (Spilopelia) chinensis (Spotted Dove)

## Significant Habitats, Flora & Fauna

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

Yes

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
Corcorax melanorhamphos	White-Winged Chough	Near threatened (NT)	Not applicable
Morelia spilota	Carpet Python	Near threatened (NT)	Not applicable
Trichosurus vulpecula	Australian Brushtail Possum	Near threatened (NT)	Not applicable

### Attach Files

Expand/Collapse

File Name	File Size (Mb)	Created On	Download
map e.jpg	0.21 Mb	02-06-2026 11:59:52	<a href="#">Download (MERS/EP-04147/Fauna/map_e_2026-06-02T02-29-52.944Z.jpg)</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*).**

Weeds recorded as being present within 1km of the exploration area include:

- *Adonis microcarpa* (Pheasant's Eye)
- *Cynodon dactylon* (Couch)
- *Echium plantagineum* (Paterson's Curse)
- *Heliotropium europaeum*
- *Hordeum murinum*
- *Hypericum perforatum* (St John's Wort/Klamath Weed)
- *Olea europaea* (Olive)
- *Pinus radiata* (Monterey Pine)
- *Piptatherum miliaceum*
- *Prunus dulcis* (Almond)
- *Rosa canina* (Common Brier)
- *Rostraria pumila*
- *Salvia verbenaca* (Vervain)
- *Scabiosa atropurpurea* (Annual Scabious/Egyptian Rose)
- *Schinus molle* (Chilean Pepper Tree)
- *Solanum elaeagnifolium* (Bull Nettle)
- *Trifolium campestre* (Hop Trefoil)
- *Verbascum virgatum* (Moth Mullein)

**Attach Files** 

[Expand/Collapse](#)

<b>File Name</b>		<b>File Size (Mb)</b>		<b>Created On</b>		<b>Download</b>	
No Files Uploaded							

## 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.**

No Aboriginal heritage sites

## Environmentally Sensitive Locations

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

No

Name	Applicable
	No

Are you likely to impact on the environmentally sensitive area?

No

Detail the likely effects the proposed program may have.

Attach Files 

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## 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)
Drilling Crew	1	AnTech
Drilling Crew	3	Adelaide University
Drilling Crew	3	MinEx CRC
Geologists	1	EnviroCopper
Site Preparation and rehabilitation	1	Local Water Truck Contractor

Shifts worked per day	Hours worked per day	Days worked per week
1	11	5

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
Drill Rig	MinEx CRC	RoXPLOERER	Drilling Rig
Truck HPS	MinEx CRC	8x8 Tatra Truck	HPS System
Water Truck	Local Water Truck Contractor	~5,000 - 10,000L	Supply water for drillrig and HPS
3x 4WD Light Vehicle	Adelaide University	Land Cruiser or equivalent	Support Vehicle
Skip Bin	Local Hire Supplier	10m3 Skip Bin	Skip for HPS cuttings
Light Tower	Local Hire Supplier	Supply Light	Lighting for morning evening drilling etc
Portaloo	Local Hire Supplier	Onsite Toilet	Onsite Toilet

## 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 6198	Other	5	1,000.00	0	0	0.00	300.00	0	0.00

## Other Drilling Method(s)

Coiled Tubing Directional Drilling

## 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.**

- At the entrance to the site an inspection and cleaning area will be established. All vehicles entering site will be inspected and cleaned before entry. Vehicles leaving site will also be checked and washed as required to prevent mud and dust being dragged onto public access roads.
- Access to the site will be directly from East Tce, to minimise the length of access track and reduce disturbance to other tracks, trails and drainage networks;
- Access track will be demarcated to ensure vehicles keep to access track.
- The site is generally flat and has been cleared of vegetation for use as grazing and cropping land. No vegetation clearance is required;
- Surface tracking of vehicles will be the norm with little surface disturbance apart from the preparation of drill pads, which will be cleared of grass and levelled prior to entry of the drilling rig. There will be no ripping or blading of access tracks;
- The use of above-ground tanks is preferred to the digging of sumps. All produced water, drilling fluids and cuttings will be stored in the HPS truck and 10m<sup>3</sup> skip bin
- 10 cubic metre skip bin will catch drill cuttings. These drill cuttings will be either used for backfilling the hole or taken to a suitably permitted disposal site
- The use of above-ground tanks is preferred to the digging of sumps. All produced water, drilling fluids and cuttings will be stored in containers/tanks – No EPA approval is required for this
- 1 by 30,000 litre tanker will be used to contain drill water produced.
- Mud recycling – 1,000 litre above ground solids handling system (sludge) will catch drill cuttings. This will be emptied by bob cat into locally sourced tip truck to dispose of cuttings at EPA approved site
- Drainage lines in the vicinity of drilling will be visually inspected twice daily during pump testing for unexpected groundwater expression. Weather conditions will be noted, specifically any rainfall. If there is unexpected water in drainage line, a sample will be taken and tested for salinity to confirm source. If unexpected water is confirmed as groundwater, pump testing will be stopped, and further water testing carried out.
- Each drillsite will be fenced to makes sure all drilling operations will be contained within the fencing
- Any surface topsoil excavated for drill pads will be stockpiled for respreading on completion of drilling program;
- There are no camp facilities required for this project;
- ECR has access to a nearby industrial storage and maintenance area. Chemicals, including oils and fuels will be stored here when not in use. All 'hot' work and other maintenance activities will also be carried out at this location.
- Chemicals, including oils and fuels will be stored at a nearby industrial storage and maintenance area. All 'hot' work and other maintenance activities will also be carried out at this location. This area will also act as a drill laydown area for drilling spares and maintenance equipment

**Drillhole construction and decommissioning**

## Drillhole construction and decommissioning

Drilling is to be carried out by an experienced RoXplorer driller who has been part of the development and operation of the CT Drill rig. A site visit has been undertaken on the 10/03/2026 to scope out the location for the drill rig scope access, examine topography and select suitable equipment for the location and application.

The CT rig drills the hole by using Mud Rotary methods, using either blade, tricone or hammer bit to advance the hole.

Since this drilling program is planned to test the capability, durability and reliability of the CT drill rig, there will be multiple constructions of the drillhole dependent on the aims and geology intercepted in the drillhole. Please see tables below with the possible designs, casing and hole construction specifications of the drillholes planned.

**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.**

Objective 1: (Percussive drilling)

DOWNHOLE POSITIONING, LOGGING AND DRILLING STRAIGHT IN ROCK.

1. Set Top casing to max 30m (Driller's decision)
2. New BHA: Drill Straight vertically down.

Design 1 (1000m or shallower) see attached file

Design 2

Samples of the geology will be collected at regular intervals down the hole. Samples are collected from the HPS unit using either heavy duty green or calico bags. These samples will be taken off site and stored.

All waste produced through the drilling and construction (wastewater, drilling fluids and cuttings) will be captured and stored onsite until they can be appropriately disposed of.

Key Objective 2: (Percussive drilling)

DOWNHOLE POSITIONING, LOGGING AND STEERING TO DRILL 18° FROM VERTICAL IN ROCK.

1. New BHA: Drill 18° Dogleg off Vertical, direction North.

**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.**

Once the CT Rig holes have been completed, the hole will be rehabilitated as per the M21 guidelines, which will include the following:

- Once the Drillhole has been completed the steel collar casing will be removed.
- Since no confined aquifer is expected, once the rig moves off the drillsite, the leftover drill spoils from the HPS unit will be used to backfill the hole. Since the CT rig will be using a HPS unit (solid removal unit), it will need to be determined, whether this material is suitable for backfilling due to its moisture content and fine particle size. If this material is not suitable then clean fill material will be brought into site for the back filling.
- In the case of a PVC collar being used, the casing will be cut, and a cement plug placed 30cm below the surface. Soil will be placed over the plug to promote vegetation growth. This will be completed within 1 week of the hole being completed once the hole has been backfilled.
- At the conclusion of the drilling program all rubbish including sample bags, hole pegs, drilling consumables will be removed and taken to a licensed waste facility. The pad will then be scarified and any available grasses/grass seeds from the area will be distributed over the pad as per M33 guidelines. It is expected that the site will be rehabilitated within a month of finishing the program, dependent on availability of contractors and weather.

**Attach Files** ⓘ

**Expand/Collapse**

File Name	File Size (Mb)	Created On	Download
Design 1.png	0.06 Mb	26-05-2026 11:57:33	<a href="#">Download (MERS/EP-04147/Drillhole construction and decommissioning/Design 1_2026-05-26T02-27-35.254Z.png)</a>
Design 2.jpg	0.04 Mb	26-05-2026 12:01:04	<a href="#">Download (MERS/EP-04147/Drillhole construction and decommissioning/Design 2_2026-05-26T02-31-05.666Z.jpg)</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
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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).**

CT Rig Trial

The based upon the hole sizes in the 3 hole designs the hole size may range between 98mm and 60mm therefor producing between 6m<sup>3</sup> and 3m<sup>3</sup> of sample. The CT rig operates by using downhole motors to drive downhole hammers or mud rotary methods producing a wet sample which consists of chips (~> 20mm) and fine silt.

The samples which will be collected at 1m intervals and will include a 50gm geological sample (collected at a 1 metre interval), a 100gm sample for archive a 2.5kg sample to be sent off for analysis. These samples will be laid out initially at the drillsite. The remaining sample produced from the hole will be considered as a reject sample and will be collected in the HPS unit and then dumped into skip bins on site (this material will either be used for backfilling holes or will be taken to a licensed disposal facility).

The samples will be expected to be removed from site within 2 days from the completion of the drillhole. However, if there an unforeseen event occurs then it may take up to a month to remove the samples.

## **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?**

No

**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.**

—

**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.

Access to the site will be directly off East Tce with no vegetation clearance required.

### Attach Files

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File Name	File Size (Mb)	Created On	Download
Site Access.jpg	0.13 Mb	26-05-2026 12:03:16	<a href="#">Download (MERS/EP-04147/Access routes to work areas/Site Access_2026-05-26T02-33-18.343Z.jpg)</a>

### Campsites and equipment laydown areas

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

For the CT Rig Trial Drillers and field staff will be accommodated in Kapunda, with others mobilising from Adelaide.

What is the maximum number of personnel requiring accommodation?

3

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)**

<b>Proposed infrastructure</b>	<b>Quantity</b>	<b>Description / capacity</b>
N/A	0	N/A

**Will laydown areas be required?**

No

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

—

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

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

—

Will native vegetation clearance be required?

—

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?

—

Describe the purpose of the excavation.

What will be the volume (m<sup>3</sup>) of material to be excavated.

—

Proposed infrastructure (includes hydrocarbon and water storage requirements)

Proposed infrastructure	Quantity	Description / capacity
N/A	0	N/A

Attach Files 

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**File Name**



**File Size (Mb)**



**Created On**



**Download**



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## 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 use on site will be brought in by water tanker. The tanker will be filled at the Light Regional Council standpipe facility in Kapunda.

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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## 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?

Yes

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

The site has been disturbed by historic mining activity and may have elevated levels of copper and other contaminants in surface soils. The exploration site shows evidence of historic mining activity, including scarring and deposition of mining waste material, including tailings. Proposed management controls for management of residual historical contamination include:

- Limiting disturbance of soil and material by using current access tracks;
- Limiting earthworks and drill site disturbance;
- Stockpiling and stabilising any topsoil required to be removed to prepare the site;
- All drill cuttings to be removed from site and disposed of to an appropriately licensed facility; located at Kapunda (TBC).
- Stormwater generated on-site from disturbed areas where possible to be contained on site and not released to drainage lines; and
- Preferred use of surface tanks rather than construction of drilling sumps to contain produced water and drill muds and cuttings

## **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.**

Drill site to be rehabilitated according to departmental guidelines. Holes will be grouted, cut off below surface. The surrounding area will be scarified and any disturbed topsoil re distributed over the area.

**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**

Grouting - \$5000  
Scarifying - \$1500  
Waste Disposal - \$2500  
Labour - \$3500  
  
Total - \$12,500

## **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 Operator	Grant Date	Expiry Date	Tenement Type	Location Description	Tenement Area	Tenement Status	Shape Identifier
EL 6198	Terramin Exploration Pty Ltd	ENVIRO COPPER LIMITED (Operator)	28/04/2018	27/04/2029	Exploration Licence	Kapunda area approximately 65km northeast of Adelaide	547.00	Active	10010184-0001

## Management of Environmental Impacts

### Applicable environmental aspects and potential impacts



Severity of consequence (CQ)	Likelihood of consequence (LH)	Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
Minor	Possible	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).	All domestic or industrial waste (includes general rubbish and hydrocarbons) will be disposed of in accordance with the Environment Protection Act 1993 within 3 months of the expiry of the PEPR approval. Where required to clear the site topsoil will be scraped and stored on site to avoid mixing as per M21 regulation		<p>Where soil disturbance occurs as a result of exploration activities, ensure that:</p> <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>	<p>Maintain before, during and after photographic evidence of all excavations, drillsites, camps, laydown areas and new tracks demonstrating that:</p> <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</li> </ul>

Severity of consequence (CQ)	Likelihood of consequence (LH)	Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
								<p>ns guide.</p> <p>The following hydrocarbon management measures will be implemented:</p> <ul style="list-style-type: none"> <li>• Prior to the commencement of drilling an audit of drilling machinery and equipment will be undertaken during which hydraulic hoses and fittings will be inspected for serviceability;</li> <li>• Spill mats will be carried in the event a leak does occur;</li> <li>• In the case</li> </ul> <p>approved for an ongoing period), unless otherwise authorised. <ul style="list-style-type: none"> <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</li> </ul> </p>

Severity of consequence (CQ)	Likelihood of consequence (LH)	Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
								<p>of soil being contaminated by hydrocarbons, the affected soil will be bagged and taken to an EPA licensed waste disposal facility. The area from where the soil was removed will be rehabilitated. The following waste management measures will be implemented:</p> <ul style="list-style-type: none"> <li>• During drilling all rubbish will be deposited in secured bins and removed from drill</li> </ul> <p>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.</p>

Severity of consequence (CQ)	Likelihood of consequence (LH)	Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
							<p>sites at the completion of each hole; • All rubbish removed from the drill sites will be bagged and disposed to an EPA licensed waste disposal facility; and • All drill cuttings generated will be stored in tanks on trucks until they are removed from site and disposed of at a licensed facility. • Portable toilets will be used on site for the duration of the</p>	

Severity of consequence (CQ)	Likelihood of consequence (LH)	Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
					activities The exploration site shows evidence of historic mining activity, including scarring and deposition of mining waste material. Environmental reports from the area related to historic operations indicate this material may contain elevated levels of copper and other contaminants. Proposed management controls for this			

Severity of consequence (CQ)	Likelihood of consequence (LH)	Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
					historical residual contamination include:			
					<ul style="list-style-type: none"> <li>Limiting disturbance of soil and material by using current access tracks and surface tracking of vehicles;</li> <li>Limiting earthworks and drill site disturbance;</li> <li>Stockpiling and stabilising any top-soil required to be removed to prepare the site</li> <li>Stormwater generated on-site from disturbed areas where</li> </ul>			

Severity of consequence (CQ)	Likelihood of consequence (LH)	Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
					possible to be contained on site and not released to drainage lines; • Preferred use of surface tanks rather than construction of drilling sumps to contain produced water and drill muds and cuttings; and • Rejection or removal from site of all produced water from pump testing activities to avoid soil erosion or release of water to			



Severity of consequence (CQ)	Likelihood of consequence (LH)	Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
Minor	Unlikely	Stakeholders	Stakeholders	Interference to: • existing or permissible land use (includes loss of income, noise, dust, light and other emissions). • buildings, structures, existing tracks or other infrastructure. • aesthetic values of an area. Noncompliance with legislative requirements.	Landholders: The proposed exploration site is located on privately owned land in the southern section of the former Kapunda Historic Mine Site (Mine Site) The owner of the land and landholders of the adjoining properties, including owners of buildings and structures, have been fully informed of ECR's activities and		<p style="font-family: Arial, sans-serif; font-size: 10px;">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.</p>	<p style="font-family: Arial, sans-serif; font-size: 10px;">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</p>

Severity of consequence (CQ)	Likelihood of consequence (LH)	Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
							have signed waivers of exemption and notices of entry where required. Light Regional Council as the owners of the Mine Site and responsible for walking trails in the area have also been been fully informed of the proposed exploration program. In correspondence ECR has agreed to: • Restrict drilling to a single day-time shift,	compliance report demonstrating that prescribed forms were served and agreements obtained in accordance with the Mining Act prior to the commencement of exploration activities.

Severity of consequence (CQ)	Likelihood of consequence (LH)	Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
					7:30am to 6:00pm, • Appropriately compensate landholders at a rate to reflect the economic loss, hardship and inconvenience resulting from the proposed exploration activities ; and • Carry full public liability insurance. Aesthetic Value: The CT rig drills using the Mud Rotary (MR) method this method will reduce nuisance			

Severity of consequence (CQ)	Likelihood of consequence (LH)	Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
							impacts such as dust and noise emissions to a practical minimum . sites will be rehabilitated in accordance with details in the DEM Information Sheets - M21: Mineral Exploration Drillholes - General Specifications for Construction and Backfilling, and M33: Statement of Environmental Objectives and Environmental Guidelines for Mineral Exploration	

Severity of consequence (CQ)	Likelihood of consequence (LH)	Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
					<p>Activities in South Australia, and honoring any additional commitments as agreed with the Landholder. After rehabilitation earthworks are completed, vegetation matter will be spread across the sites to encourage regeneration and reduce</p>			

Severity of consequence (CQ)	Likelihood of consequence (LH)	Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
Minor	Rare	Aboriginal heritage	Aboriginal heritage sites	Disturbance to Aboriginal heritage	The register of Aboriginal Sites and Objects, administered by the Department of Premier and Cabinet, have advised by letter to Exploration License Holders Terramin on the 22nd of February 2018 that there is no record of Aboriginal sites in the area. There is a very low probability of discovery of Aboriginal sites	Low	<p style="font-family: Arial, sans-serif; font-size: 10px;">No disturbance to Aboriginal artefacts or sites of significance unless prior approval under the relevant legislation is obtained.</p>	<p style="font-family: Arial, sans-serif; font-size: 10px;">Maintain a database and provide a statement within the 'Compliance with approved programs' section of the annual exploration compliance report demonstrating that:</p> <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</li> </ul>

Severity of consequence (CQ)	Likelihood of consequence (LH)	Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria	
								and artefacts due to the site's history of agricultural and mining land disturbance. If aboriginal heritage sites or artefacts are identified during the exploration program, this will result in cessation of works and be reported to authorities. Work will only recommence once approval from relevant authorities is sought and confirmed.	during the exploration program were appropriately recorded and reported to authorities, if not previously known.

<b>Severity of consequ ence (CQ)</b>	<b>Likeliho d of consequ ence (LH)</b>	<b>Enviro nment al Aspect</b>	<b>Rec ept or</b>	<b>Poten tial Impa ct</b>	<b>Control Strategi es</b>	<b>Ri sk</b>	<b>Outcomes</b>	<b>Outcome Measureme nt Criteria</b>
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Severity of consequence (CQ)	Likelihood of consequence (LH)	Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
Moderate	Unlikely	Fire	Community/landowners	Damage to infrastructure and loss of income through fire.	The site is located on fenced freehold land, only accessible through the owner and ECR. ECR will monitor entry and access to the site during the exploration program and during a further 3-month rehabilitation period. Photographs of the sites before and after the conduct of the exploration program will be submitted	Moderate	<p style="font-family: Arial, sans-serif; font-size: 10px;">No loss of infrastructure or income through fire as a result of exploration activities.</p>	<p style="font-family: Arial, sans-serif; font-size: 10px;">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.</p>

Severity of consequence (CQ)	Likelihood of consequence (LH)	Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
							<p>d with the annual exploration compliance report. The following fire-prevention procedure (see below) will be implemented by ECR on the drill sites, Dry pasture grass and stubble will be removed from sites where these present a fire risk. Fire prevention requirements are:</p> <ul style="list-style-type: none"> <li>• Availability of a long-handled shovel</li> </ul>	





Severity of consequence (CQ)	Likelihood of consequence (LH)	Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
Minor	Unlikely	Third party access	Soil/vegetation/fauna	Degradation of rehabilitated access tracks caused by third party access (includes previously closed and rehabilitated access tracks)	The proposed exploration site is located on a corner section of cleared agricultural grazing land. Access to the site will be directly from East Tce with the access gate closed and appropriate signage indicating authorized persons only. Bunting used to delineate accessible areas and no entry areas. Represente		<p style="font-family: Arial, sans-serif; font-size: 10px;">Rehabilitated access tracks remain permanently closed, unless prior approval under the relevant legislation is obtained.</p>	<p style="font-family: Arial, sans-serif; font-size: 10px;">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</p>

Severity of consequence (CQ)	Likelihood of consequence (LH)	Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
								<p>ntative photographs will be taken before and after the program and rehabilitation.</p> <p>information requested within the 'Rehabilitation' section of the annual exploration compliance report.&lt;/p&gt;</p>

Severity of consequence (CQ)	Likelihood of consequence (LH)	Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
Minor	Unlikely	Surface Water	Surface Water	Alteration to surface water – interference to surface drainage.	The use of above ground or truck mounted tanks for water and drilling fluids is preferred to the use of sumps, this will mean no surface earthworks are required and there will be no interference to surface drainage features. Relevant photographic evidence will be compiled.		<p>&lt;p style="font-family: Arial, sans-serif; font-size: 10px"&gt; No permanent modification to hydrological features caused by exploration activities without obtaining a water affecting permit from the relevant Landscape Board (under Landscapes Act SA 2019).&lt;/p&gt;</p>	<p>&lt;p style="font-family: Arial, sans-serif; font-size: 10px"&gt; 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,</p>

Severity of consequence (CQ)	Likelihood of consequence (LH)	Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
								provide copies of water affecting permits within the annual exploration compliance report.</p>

Severity of consequence (CQ)	Likelihood of consequence (LH)	Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
Minor	Unlikely	Fauna	All fauna	Entrapment of fauna through open drillholes and excavations.	The use of above ground or truck mounted tanks for water and drilling fluids is preferred to the use of sumps which will mean no traps for bird life or fauna. Relevant photographic evidence will be maintained. No drillholes will be left uncapped during the program.		<p>&lt;p style="font-family: Arial, sans-serif; font-size: 10px"&gt; No fauna traps created as a result of exploration activities.</p> <p>&lt;/p&gt;</p>	<p>&lt;p style="font-family: Arial, sans-serif; font-size: 10px"&gt; Maintain before, during and after photographic evidence of all drillholes and/or excavations demonstrating that: • All drillholes were permanently or temporarily capped/plugged immediately upon completion. • No fauna and livestock became trapped in drillholes and/or excavations throughout the duration of the program. • All rehabilitation was completed within 3 months of expiry of the PEPR approval (for PEPRs</p>

Severity of consequence (CQ)	Likelihood of consequence (LH)	Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
								<p>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.</p>

Severity of consequence (CQ)	Likelihood of consequence (LH)	Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
Minor	Unlikely	Groundwater	Soil/vegetation/fauna	Discharge of groundwater into the surrounding environment.	Groundwater will be stored in above ground tanks surrounding environmental. Usually monitored to avoid overflow. All drilling fluids will be collected by the HSB unit which will be constantly supervised as part of the drill rig operations and therefore the chance of overflow of this unit will be minimised. Photographs of		<p style="font-family: Arial, sans-serif; font-size: 10px;">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.</p>	<p style="font-family: Arial, sans-serif; font-size: 10px;">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.</p>

Severity of consequence (CQ)	Likelihood of consequence (LH)	Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
							the sites before and after the conduct of the exploration program will be submitted with the annual exploration compliance report.	

Severity of consequence (CQ)	Likelihood of consequence (LH)	Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
Minor	Unlikely	Other (Hazardous Materials)	Historic Contamination	Surface Contamination from Historic Mine Site	Proposed management controls for management of residual historical contamination include: <ul style="list-style-type: none"> <li>Limiting disturbance of soil and material by using current access tracks;</li> <li>Limiting earthworks and drill site disturbance;</li> <li>Stockpiling and stabilising any topsoil required to be removed to prepare the site;</li> <li>All drill cuttings to be removed from site</li> </ul>		<div data-wrapper="true" style='font-family: "Segoe UI", "Helvetica Neue", sans-serif, font-size: 9pt'> <div>The site has been disturbed by historic mining activity and may have elevated levels of copper and other contaminant s in surface soils. The exploration site shows evidence of historic mining activity, including scarring and deposition of mining waste material, including tailings.&amp;nbsp;sp;&lt;/div&gt;&lt;/div&gt; </div></div>	<div data-wrapper="true" style='font-family: "Segoe UI", "Helvetica Neue", sans-serif, font-size: 9pt'> <div>&lt;span style="font-size: 8pt"&gt;&lt;span style="line-height: 115%"&gt;&lt;span style="font-family: "Arial", sans-serif"&gt;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 </div></div>

Severity of consequence (CQ)	Likelihood of consequence (LH)	Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
								<p>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.</p> <p>&lt;/span&gt; &lt;/span&gt; &lt;/span&gt; &lt;/div&gt; &lt;/div&gt;</p> <p>and disposed of to an appropriately licensed facility; located at Kapunda (TBC). • Stormwater generated on-site from disturbed areas where possible to be contained on site and not released to drainage lines; and • Preferred use of surface tanks rather than construction of drilling sumps to contain produced water and drill muds and cuttings</p>

Severity of consequence (CQ)	Likelihood of consequence (LH)	Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
Minor	Unlikely	Other	local stakeholder	Dust from drill site	Coiled tube rig uses fluid for drilling so no air forcing dust out of the hole. Drilling will be during winter so track will be damp minimizing dust from vehicles.	Low	<div data-wrapper="true" style="font-family: "Segoe UI", "Helvetica Neue", sans-serif; font-size: 9pt">ensure that dust is kept to absolute minimum</div> </div>	<div data-wrapper="true" style="font-family: "Segoe UI", "Helvetica Neue", sans-serif; font-size: 9pt">No complaints from surrounding land owners</div> </div>

Severity of consequence (CQ)	Likelihood of consequence (LH)	Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
Minor	Possible	Contamination	Soil/vegetation/fauna	Soil/vegetation contamination (e.g. hydrocarbons, rubbish, drill samples/cuttings, abortions, other sources)	All domestic or industrial waste (includes general rubbish and hydrocarbons) will be disposed of in accordance with the Environment Protection Act 1993 within 3 months of the expiry of the PEPR approval. Where required to clear the site topsoil will be scraped and stored on site to avoid mixing as per M21 regulations guide.	Moderate	<p style="font-family: Arial, sans-serif; font-size: 10px"> No contamination of soil and vegetation as a result of exploration activities.</p>	<p style="font-family: Arial, sans-serif; font-size: 10px"> 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,

Severity of consequence (CQ)	Likelihood of consequence (LH)	Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
								<p>The following hydrocarbon management measures will be implemented:</p> <ul style="list-style-type: none"> <li>• Prior to the commencement of drilling an audit of drilling machinery and equipment will be undertaken during which hydraulic hoses and fittings will be inspected for serviceability;</li> <li>• Spill mats will be carried in the event a leak does occur;</li> <li>• In the case of soil</li> </ul> <p>by providing:</p> <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</li> </ul>

Severity of consequence (CQ)	Likelihood of consequence (LH)	Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
								<p>being contaminated by hydrocarbons, the affected soil will be bagged and taken to an EPA licensed waste disposal facility. The area from where the soil was removed will be rehabilitated. The following waste management measures will be implemented:</p> <ul style="list-style-type: none"> <li>• During drilling all rubbish will be deposited in secured bins and removed from drill sites at 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</li> </ul> </li> </ul>

Severity of consequence (CQ)	Likelihood of consequence (LH)	Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
								<p>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.</p>
					<p>the completion of each hole; • All rubbish removed from the drill sites will be bagged and disposed to an EPA licensed waste disposal facility; and • All drill cuttings generated will be stored in tanks on trucks until they are removed from site and disposed of at a licensed facility. • Portable toilets will be used on site for the duration of the activities</p>			



Severity of consequence (CQ)	Likelihood of consequence (LH)	Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
					residual contamination include:			
					<ul style="list-style-type: none"> <li>Limiting disturbance of soil and material by using current access tracks and surface tracking of vehicles;</li> <li>Limiting earthworks and drill site disturbance;</li> <li>Stockpiling and stabilising any top-soil required to be removed to prepare the site</li> <li>Stormwater generated on-site from disturbed areas where possible</li> </ul>			

Severity of consequence (CQ)	Likelihood of consequence (LH)	Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
							to be contained on site and not released to drainage lines; • Preferred use of surface tanks rather than construction of drilling sumps to contain produced water and drill muds and cuttings; and Reinjecti on or removal from site of all produced water from pump testing activities to avoid soil erosion or release of water to drainage lines.	



Severity of consequence (CQ)	Likelihood of consequence (LH)	Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
Minor	Unlikely	Ground water users	Groundwater users	Interference to existing water users when extracting water from existing dams, water bores or mineral drillholes.	There are few users of the aquifer in the vicinity of the proposed drill site, selected drilling methods will have no negative impact on the fracture hosted aquifer and existing users. Drilling fluids will be biodegradable. Proposed viscosifier is CR-650 which is classified as non-hazardous, non-toxic and will not ferment.	Low	<p>           No public nuisance impacts resulting from the extraction of water for exploration purposes, unless prior approval under the relevant legislation is obtained.         </p>	<p>           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         </p>

Severity of consequence (CQ)	Likelihood of consequence (LH)	Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
								permit within the annual exploration compliance report.</p>

Severity of consequence (CQ)	Likelihood of consequence (LH)	Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
Minor	Unlikely	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).	Details of aquifers encountered will be recorded. Only approved drilling products are used downhole (biodegradable products). Drill holes are not used for disposal of any unwanted chemical waste. The area contains single unconfined aquifer so cross contamination of aquifers is not possible.		<p>Drillholes restored to 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.</p>	<p>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</p>

Severity of consequence (CQ)	Likelihood of consequence (LH)	Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
								(for PEPRs approved for an ongoing period), unless otherwise authorised. Provide the information requested within the 'Groundwater' section of the annual exploration compliance report.</p>

Severity of consequence (CQ)	Likelihood of consequence (LH)	Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
Minor	Unlikely	General Public	General Public	Injury or death to members of the public as a result of exploration activities.	The following procedures will apply to prevent accidents and injury to members of the public: • Gates to work sites will be closed and "Authorized Entry Only" signage erected; • Signage warning of drilling in progress and required PPE to be placed along access tracks; • Requirement of site induction of all visitors prior to entering	Low	<p style="font-family: Arial, sans-serif; font-size: 10px;">No accidents involving the public that could have been reasonably prevented by the licensee.</p>	<p style="font-family: Arial, sans-serif; font-size: 10px;">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</p>



Severity of consequence (CQ)	Likelihood of consequence (LH)	Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
							Perry road via access gate; and No drilling at night restricts the use of flood lights that might dazzle/distract drivers.	

Severity of consequence (CQ)	Likelihood of consequence (LH)	Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
Minor	Unlikely	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.	To help prevent the spread of phytophthora and other pathogens and weeds ECR and MINEX will wash down vehicles to remove mud from vehicles and tyres will be inspected for calthrop and other burrs prior to arriving at the work site. Vehicles will then be washed prior to departure or travelling between properties	Low	<p style="font-family: Arial, sans-serif; font-size: 10px;">No introduction of new species of weeds and plant pathogens, nor increase in abundance of existing weeds species.</p>	<p style="font-family: Arial, sans-serif; font-size: 10px;">Provide a statement within the 'Compliance with approved programs' section of the annual exploration compliance report, confirming that:</p> <ul style="list-style-type: none"> <li>• 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.</li> <li>• Photographic evidence before and during exploration</li> </ul>

Severity of consequence (CQ)	Likelihood of consequence (LH)	Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
							<p>s. Further to prevent the spread of phytophthora vehicles and shoes will be sprayed with a disinfectant/fungicide prior to entry and departure. Vehicle logs will be kept during the exploration program to record that all vehicles are clean and free of plant and mud material prior to entering properties. Weed monitoring</p>	<p>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.</p>

Severity of consequence (CQ)	Likelihood of consequence (LH)	Environmental Aspect	Receptor	Potential Impact	Control Strategies	Risk	Outcomes	Outcome Measurement Criteria
							around the exploration location is to continue for the duration of the exploration program and for 3 months following completion of the program while rehabilitation activities are taking place, to ensure there are no weed impacts on surrounding native habitat. Any replaced topsoil is to be reseeded with native grasses endemic to the immediate	



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## Supporting Information

### Photos

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<b>File Name</b>	<b>File Size (Mb)</b>	<b>Created On</b>	<b>Download</b>
Plate 10.jpg	0.08 Mb	28-05-2026 12:34:22	<a href="#">Download (MERS/EP-04147/Supporting information/Photos/Plate 10_2026-05-28T03-04-22.641Z.jpg)</a>
Plate 11.jpg	0.07 Mb	28-05-2026 12:34:22	<a href="#">Download (MERS/EP-04147/Supporting information/Photos/Plate 11_2026-05-28T03-04-22.524Z.jpg)</a>

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Plate 3.jpg	0.06 Mb	28-05-2026 12:34:22	<a href="#">Download (MERS/EP-04147/Supporting information/Photos/Plate 3_2026-05-28T03-04-22.563Z.jpg)</a>
Plate 4.jpg	0.06 Mb	28-05-2026 12:34:21	<a href="#">Download (MERS/EP-04147/Supporting information/Photos/Plate 4_2026-05-28T03-04-22.184Z.jpg)</a>
Plate 5.jpg	0.06 Mb	28-05-2026 12:34:22	<a href="#">Download (MERS/EP-04147/Supporting information/Photos/Plate 5_2026-05-28T03-04-22.548Z.jpg)</a>
Plate 6.jpg	0.07 Mb	28-05-2026 12:34:22	<a href="#">Download (MERS/EP-04147/Supporting information/Photos/Plate 6_2026-05-28T03-04-22.810Z.jpg)</a>
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File Name	File Size (Mb)	Created On	Download
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Plate 9.jpg	0.08 Mb	28-05-2026 12:34:21	<a href="#">Download (MERS/EP-04147/Supporting information/Photos/Plate 9_2026-05-28T03-04-22.182Z.jpg)</a>

Site identification	Date taken	Photo number & PEPR section reference	Easting (GDA94)	Northing (DGA94)	Zone	Details and comments	Document ID
East Tce, Kapunda	02/11/2018		308589	6196746	54	View of Site Looking to the North East Along East Tce	Plate 2
East Tce, Kapunda	02/11/2018		308589	6196746	54	View of Site Looking East	Plate 3
East Tce, Kapunda	02/11/2018		308589	6196746	54	View of Site Looking South East	Plate 4
East Tce, Kapunda	02/11/2018		308589	6196746	54	View of Site Looking South	Plate 5

## Supporting Maps

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File Name	File Size (Mb)	Created On	Download
Map A.jpg	0.17 Mb	28-05-2026 12:52:40	<a href="#">Download (MERS/EP-04147/Supporting information/Maps/Map A_2026-05-28T03-22-40.971Z.jpg)</a>
Map B.png	8.37 Mb	28-05-2026 12:57:23	<a href="#">Download (MERS/EP-04147/Supporting information/Maps/Map B_2026-05-28T03-27-24.298Z.png)</a>
Map C.jpg	0.13 Mb	28-05-2026 12:57:23	<a href="#">Download (MERS/EP-04147/Supporting information/Maps/Map C_2026-05-28T03-27-24.323Z.jpg)</a>
Map D.jpg	0.17 Mb	28-05-2026 12:57:23	<a href="#">Download (MERS/EP-04147/Supporting information/Maps/Map D_2026-05-28T03-27-24.504Z.jpg)</a>

<b>Figure Description</b>	<b>Document ID</b>
Exploration Operations	Map A
Topography with planned wells, access gate and track, faults and drainage	Map B
Site Access	Map C
Water Courses and Surface Water Flow Management	Map D

## **Additional Information**

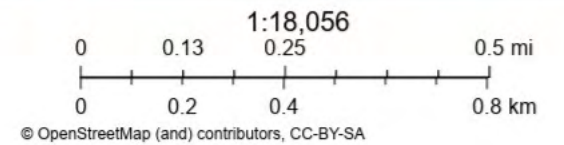
**List any other supporting information and/or documents submitted with the application, including land access approvals/permits required to conduct the proposed exploration program.**

NT-0128 – Hampel Notice 21D  
NT-0124 – Webber Notice 23C  
NT-0125 – Ellbourne Notice 23C

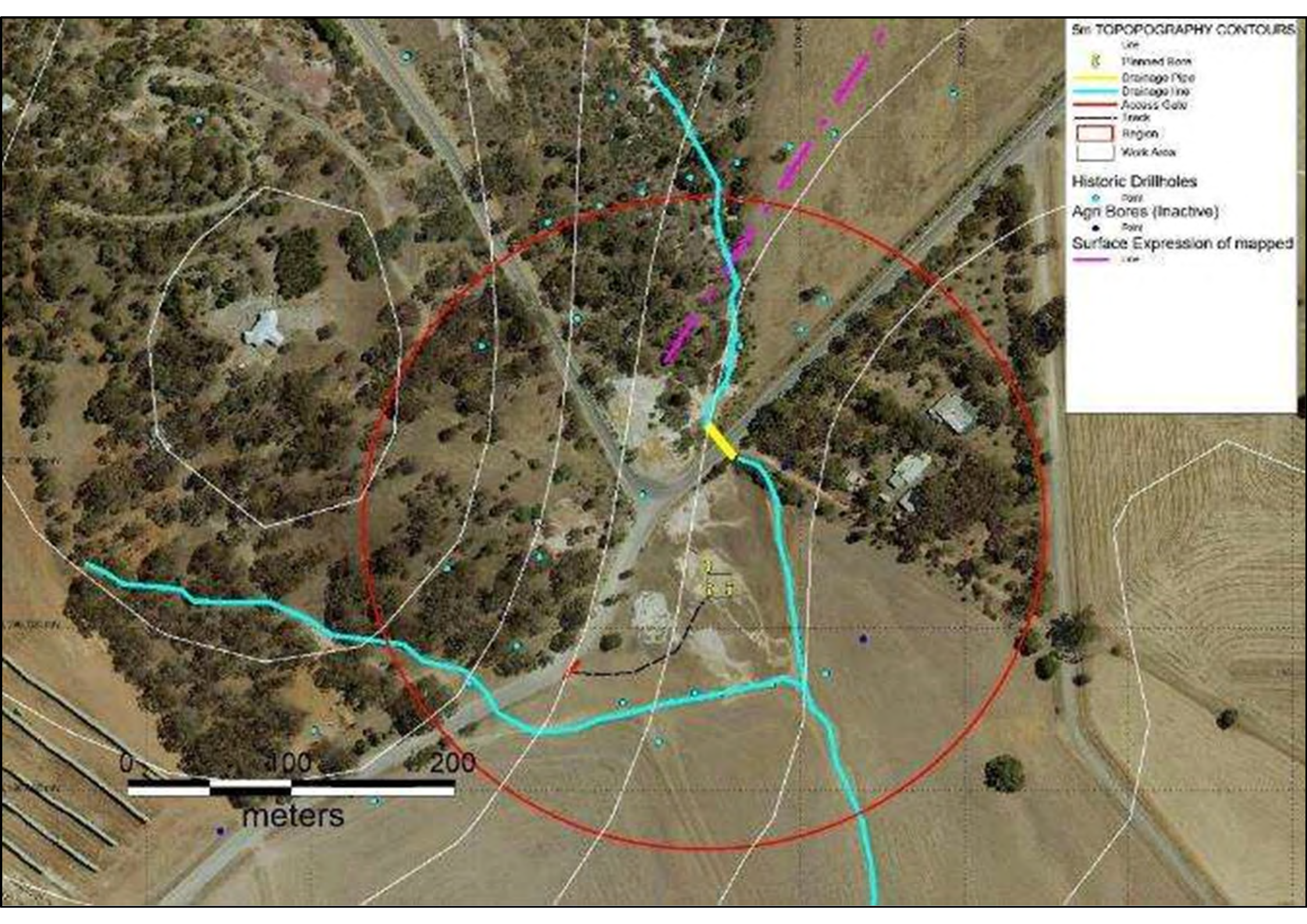
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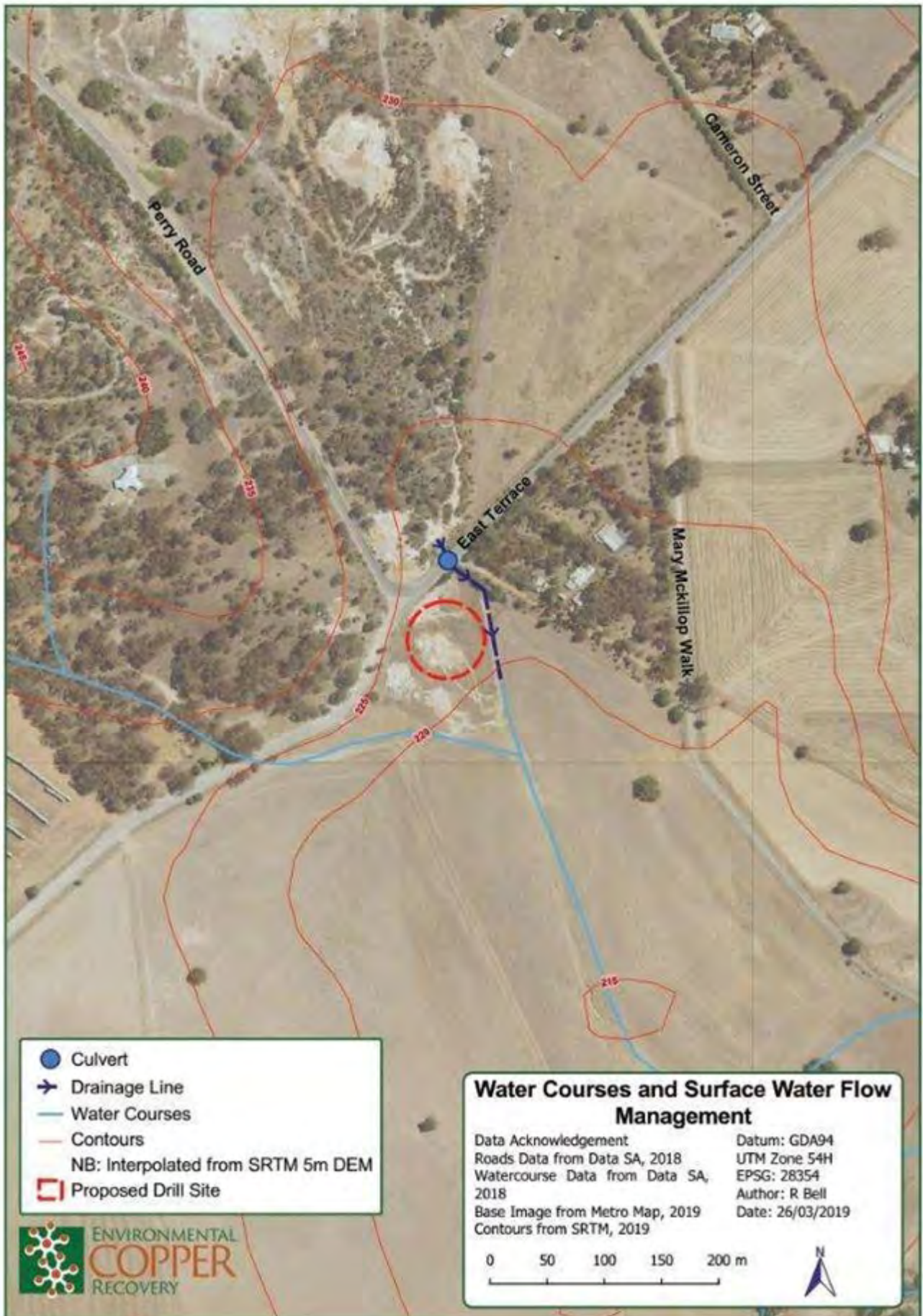


June 2, 2026









- Culvert
- Drainage Line
- Water Courses
- Contours
- NB: Interpolated from SRTM 5m DEM
- Proposed Drill Site

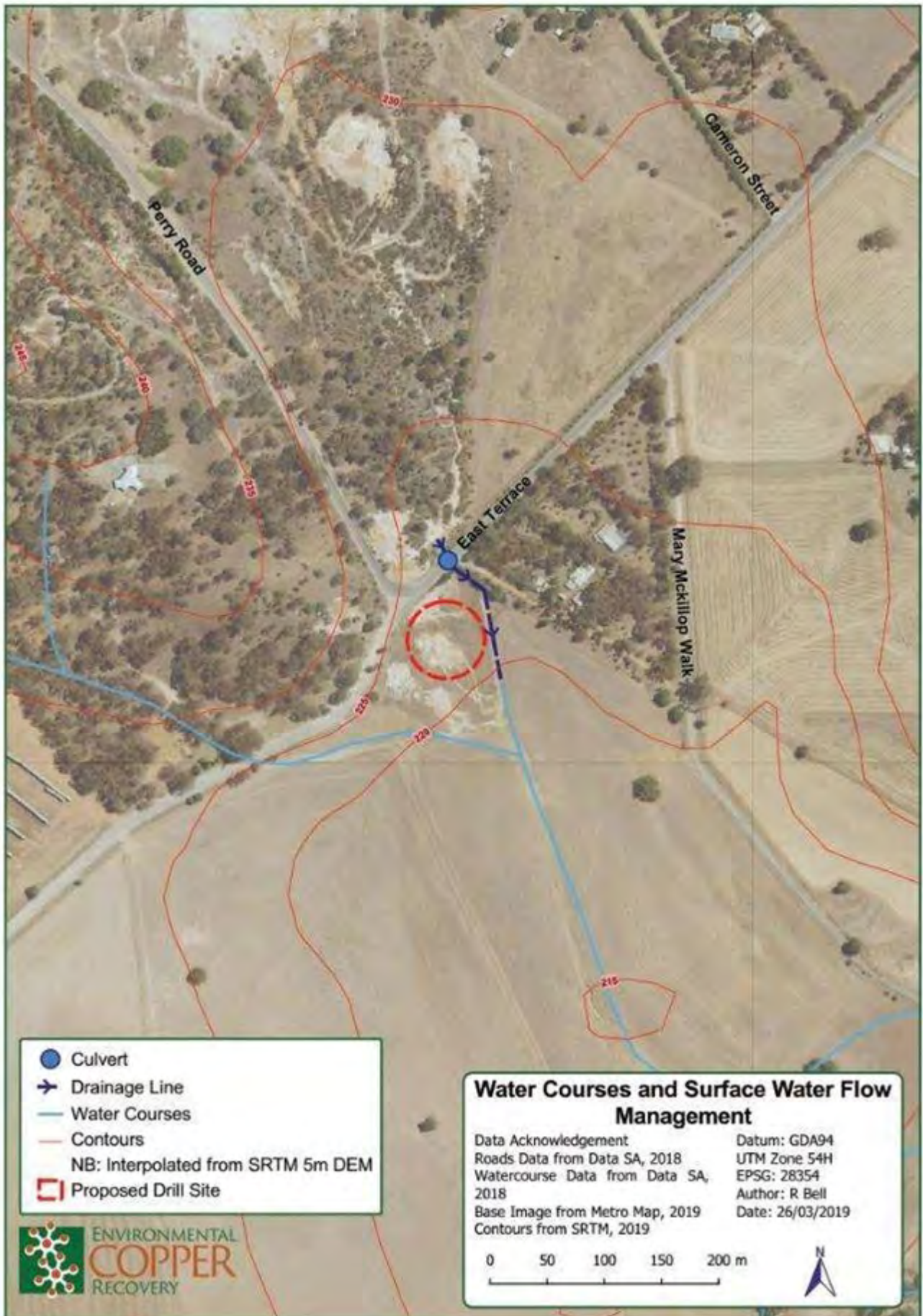
**Water Courses and Surface Water Flow Management**

Data Acknowledgement	Datum: GDA94
Roads Data from Data SA, 2018	UTM Zone 54H
Watercourse Data from Data SA, 2018	EPSG: 28354
Base Image from Metro Map, 2019	Author: R Bell
Contours from SRTM, 2019	Date: 26/03/2019

0    50    100    150    200 m

N





- Culvert
- Drainage Line
- Water Courses
- Contours
- NB: Interpolated from SRTM 5m DEM
- Proposed Drill Site

**Water Courses and Surface Water Flow Management**

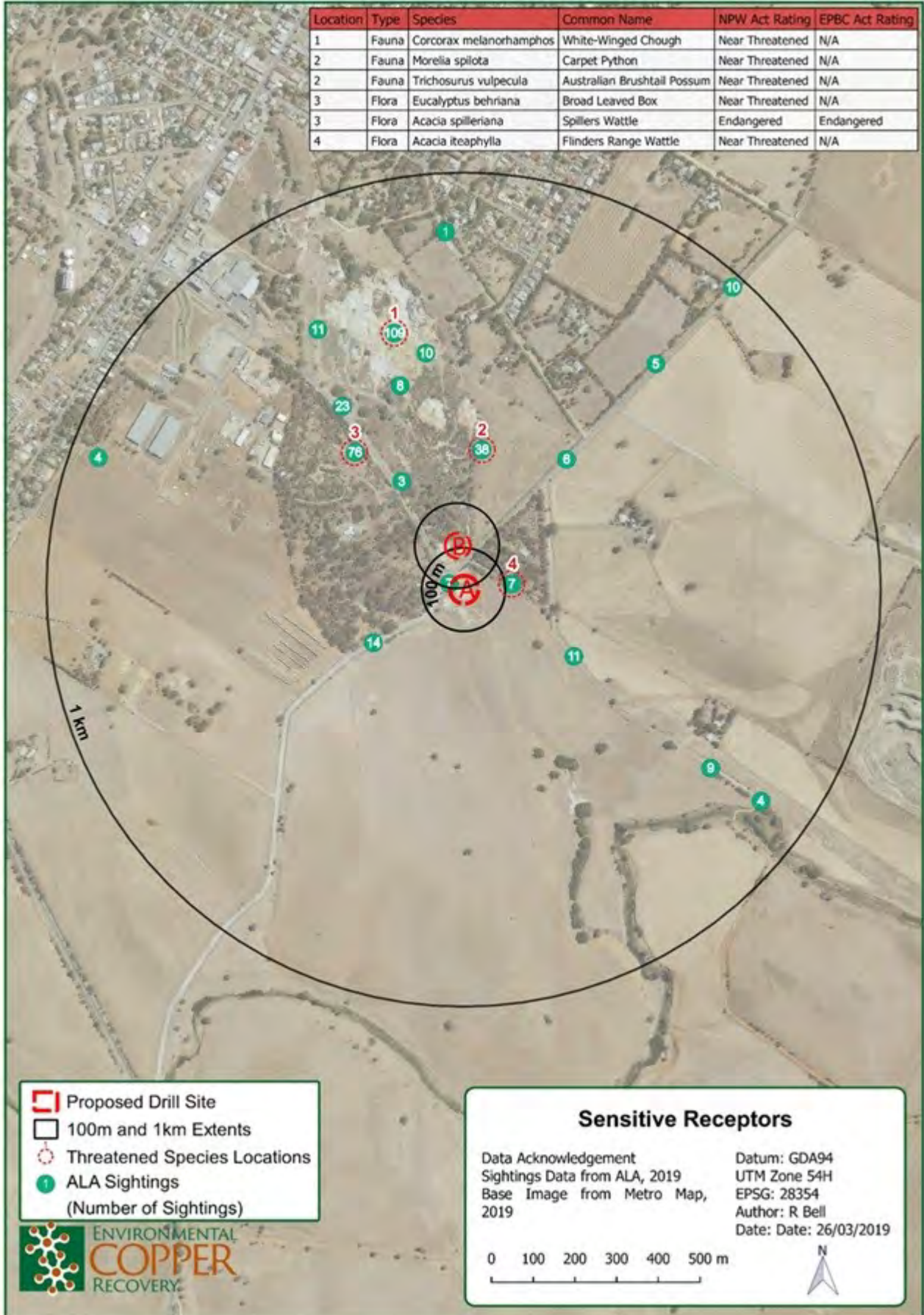
Data Acknowledgement	Datum: GDA94
Roads Data from Data SA, 2018	UTM Zone 54H
Watercourse Data from Data SA, 2018	EPSG: 28354
Base Image from Metro Map, 2019	Author: R Bell
Contours from SRTM, 2019	Date: 26/03/2019

0    50    100    150    200 m

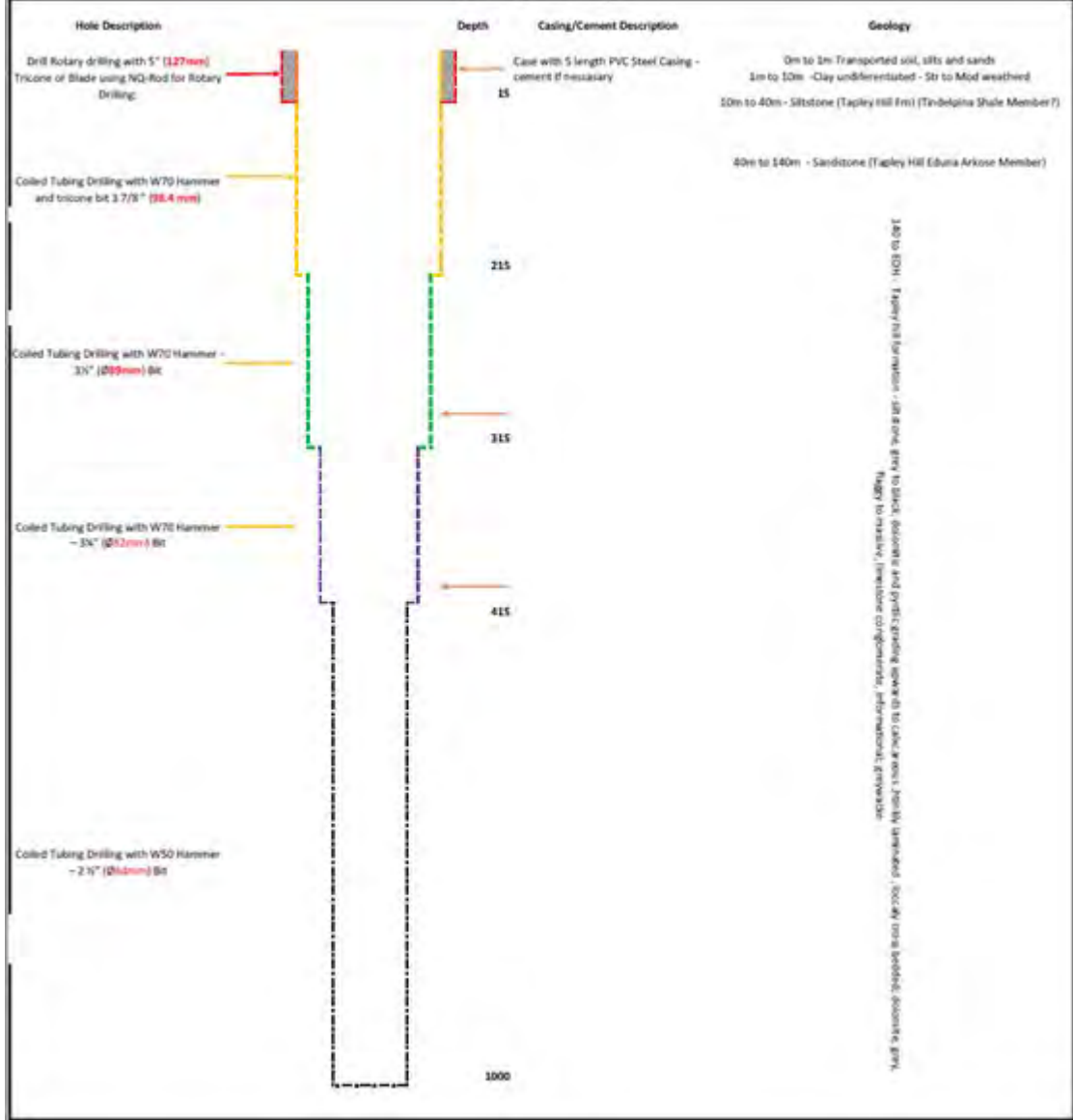
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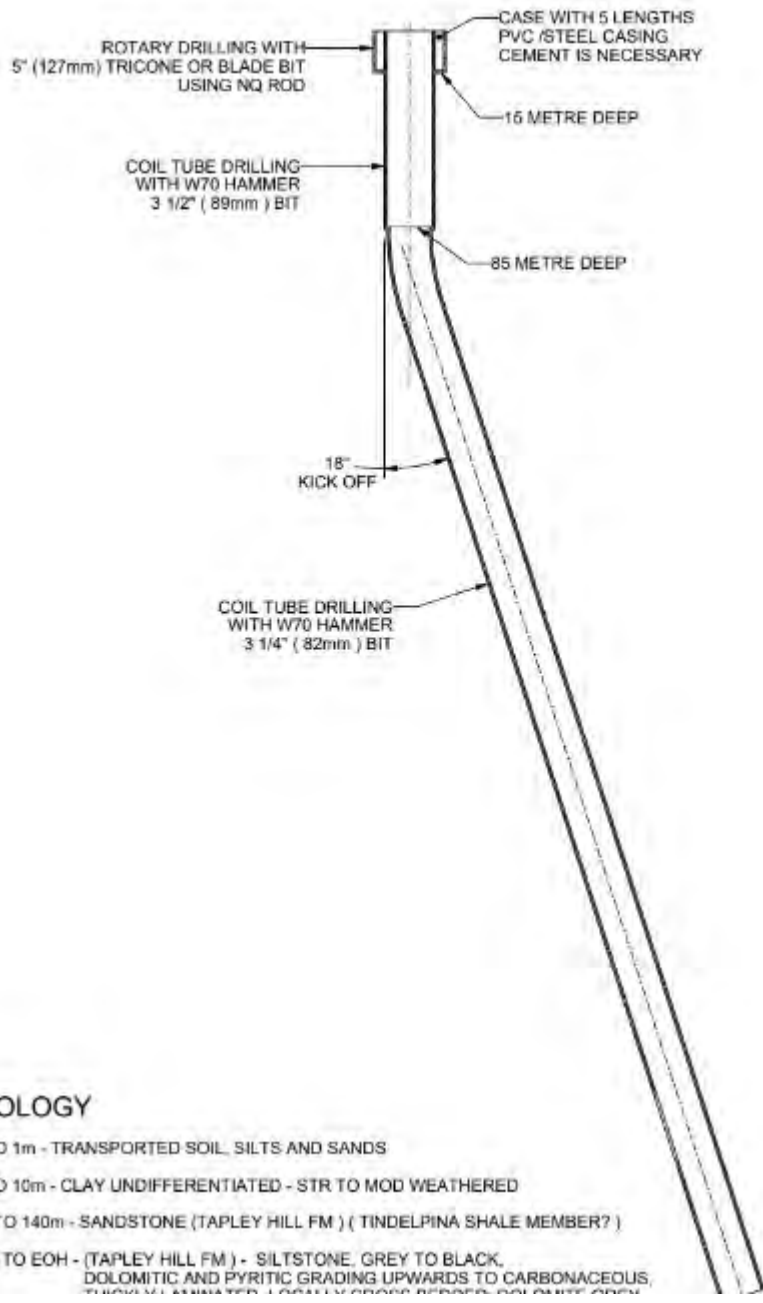


Location	Type	Species	Common Name	NPW Act Rating	EPBC Act Rating
1	Fauna	Corcorax melanorhamphos	White-Winged Chough	Near Threatened	N/A
2	Fauna	Morelia spilota	Carpet Python	Near Threatened	N/A
2	Fauna	Trichosurus vulpecula	Australian Brushtail Possum	Near Threatened	N/A
3	Flora	Eucalyptus behriana	Broad Leaved Box	Near Threatened	N/A
3	Flora	Acacia spilleriana	Spillers Wattle	Endangered	Endangered
4	Flora	Acacia iteaphylla	Flinders Range Wattle	Near Threatened	N/A



MinEX CT Rig Field Trials Design 1





**GEOLOGY**

- 0m TO 1m - TRANSPORTED SOIL, SILTS AND SANDS
- 1m TO 10m - CLAY UNDIFFERENTIATED - STR TO MOD WEATHERED
- 40m TO 140m - SANDSTONE (TAPLEY HILL FM ) ( TINDELPINA SHALE MEMBER? )
- 140M TO EOH - (TAPLEY HILL FM ) - SILTSTONE, GREY TO BLACK, DOLOMITIC AND PYRITIC GRADING UPWARDS TO CARBONACEOUS,























