



Government  
of South Australia

Department for  
Energy and Mining

19 June 2025

Mr Andrew Muir  
Managing Director  
Gawler Craton (SA) Pty Ltd  
Unit 5, 12 Railway Road  
SUBIACO, WA 6008

sbiggins@internode.on.net

Dear Mr. Muir

### Approval Notification - Exploration Program for Environment Protection and Rehabilitation (EPEPR2025-007) EL 6288; EL 6493

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The program for EL 6288 and EL 6493, final version submitted on 18 June 2025 to conduct 60 AC and 40 RC drill holes to a total depth of 8100 m at the Tunkillia North Project and Nuckulla Hill Project located approximately 110km northeast of Ceduna and 60km west southwest of Kingoonya respectively, has been approved in accordance with Section 70B(5) *Mining Act, 1971 (the Act)*.

In accordance with section 62(1) of the *Mining Act, 1971*, a rehabilitation bond/bank guarantee to the value of **\$25,000** is required to be lodged with the Mining Registrar. Appropriate documentation will be forwarded to you shortly. The bond must be lodged within 28 days of receiving these documents.

You are reminded that:

1. You must at all times implement and comply with the approved EPEPR.
2. The approved EPEPR will be made publicly available on the Mining Register.
3. Exploration operations on “native title land” (as defined in the *Native Title (South Australia) Act, 1994*) must be conducted in accordance with Part 9B of the Act.
4. In accordance with Section 70C of the Act, the licensee must review the EPEPR on request of the Minister’s Delegate within a time specified in the request and submit the revised EPEPR for approval.
5. As the operator for the approved EPEPR you must take all reasonable and practical measures to avoid undue damage to the environment and meet all the approved outcomes (when measured against the approved criteria) listed within the EPEPR.
6. In accordance with regulation 78 of the *Mining Regulations 2020* and Terms of Reference 012 (TOR 012), the licensee must submit an Exploration Compliance Report to the Mineral Exploration Branch each year, within 60 days after the anniversary of the date the licence was granted, and 60 days after the expiry or surrender of the EL, or in accordance with joint reporting requirements agreed to with the Minister.
7. In accordance with regulation 16(4) of the *Mining Regulations 2020*, drillhole and geological samples must be kept in accordance with guidelines issued by the Department for the term of the relevant tenement and for 7 years after the expiry, surrender, cancellation or forfeiture

#### MINERALS REGULATION

Level 7, 11 Waymouth Street, Adelaide SA 5000 | GPO Box 320 Adelaide SA 5001

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of the tenement to which the sample relates. Furthermore, samples must be retained by the tenement holder, or provided to the Director, in accordance with those guidelines (unless the Minister has authorised, on application by the tenement holder in a manner and form set out in the guidelines, the destruction or disposal of the samples).

8. The EPEPR is approved for a period of twelve months from the date of this letter.

This approval does not constitute endorsement of the systems that you have in place to manage your exploration operations in compliance with the Act and licence conditions. In granting the approval, the EPEPR and your capacity to undertake the proposed activities have been considered. However, responsibility for compliance with the Act and the licence conditions, remains at all times with the licensee.

This approval relates only to the requirements of the Act. Other legislation relevant to this application includes the *South Australian Work Health and Safety Act, 2012* and Regulations. For example, Chapter 10 of the *Work Health and Safety Regulations, 2012 (SA)* introduced new requirements for mine operators in South Australia. The new requirements include a notification for mining operations and the establishment of a Safety Management System. For further information on your responsibilities, including a guide to Chapter 10 and the Mine Operator Notification Form, contact SafeWork SA on 08 8303 0255 or via its website at [www.safework.sa.gov.au](http://www.safework.sa.gov.au).

The proposed program may be subject to the Commonwealth *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act). Mineral exploration industry-specific information is contained in an appendix in the EPBC Matters of National Environmental Significance – Significant impact guidelines 1.1. This document is available on the Australian Government's Department for Agriculture, Water and the Environment website at <http://www.environment.gov.au/resource/significant-impact-guidelines-11-matters-national-environmental-significance>. For further information, contact the Department for Agriculture, Water and the Environment, or visit its website at [www.environment.gov.au/](http://www.environment.gov.au/).

Proposed changes to exploration operations stated in the approved EPEPR may require a *PEPR review* to be submitted for assessment. Where a *PEPR 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](#).

If you require any further information, please contact Cobus Martins on 0437252134 or Shelley Rasmussen 0409 797 670 or email [DEM.exploration@sa.gov.au](mailto:DEM.exploration@sa.gov.au).

Yours sincerely



Simon Constable  
**GENERAL MANAGER MINERAL EXPLORATION  
REGULATION & COMPLIANCE**

In accordance with delegated  
Ministerial powers and functions

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

**APPLICATION**

Mining Act 1971 and Mining Regulations 2020



Government of South Australia

Department for Energy and Mining

**EXPLORATION PROGRAM FOR ENVIRONMENT PROTECTION AND REHABILITATION (PEPR)**

USE THIS TEMPLATE TO: Apply to conduct mineral exploration operations not covered by the Generic PEPR (Adopted Program) for a 12 month period of time on one or more exploration licences (ELs), retention leases (RLs) or mineral claims (MCs) in South Australia.

Refer to the Exploration PEPR Terms of Reference and [Minerals Regulatory Guidelines MG22](#) when completing this application. Further information on exploration requirements in South Australia is available on the Department for Energy and Mining (DEM) Minerals website [www.energymining.sa.gov.au](http://www.energymining.sa.gov.au).

**SECTION A – GENERAL DETAILS**

Operational approval period	<b>12-month approval period, with an additional 3 months to complete all rehabilitation</b>		
Tenement details	EL 6288, EL 6493		
Tenement holder(s) (for each tenement)	Gawler Craton (SA) Pty Ltd (Titleholder of both EL 6288 and EL 6493) ACN: 663 855 203 Unit 5, 12-20 Railway Road, Subiaco WA 6008		
Operating company	Sipa Resources Ltd (parent company of titleholder) ACN: 009 448 980 Unit 5, 12-20 Railway Road, Subiaco WA 6008		
Agency agreement (if applicable)	Appointment of Operator Instrument no. 55336 (endorsed 17/04/25)		
PEPR prepared by	Conan Mills, Exploration Supervisor, Sipa Resources Ltd (Mob. 0459 207 077) and Anna Price, Exploration Manager, Sipa Resources Ltd (Mob. 0472 728 499)		
Project supervisor/contact person(s)	Anna Price, Exploration Manager, Sipa Resources Ltd Mob. 0472 728 499		
Project/prospect name	Tunkillia North Project (EL 6493)/ Tunkillia North and Arcoordaby Prospects Nuckulla Hill Project (EL 6288)/ Sheoak (including East and North) and Bimba Prospects		
Location details	EL 6288 is located within Lake Everard Station, approximately 110km northeast of Ceduna EL 6493 covers part of Wilgena and North Well Stations, approximately 60km west southwest of Kingoonya		
Project description, commodity type and mineralisation model	Up to 60 AC drillholes (maximum depth ~60m) and 40 RC drillholes (max depth ~150m) are proposed to test for gold mineralisation.		
Proposed project schedule	Start date	1 July 2025	End date 30 June 2026

**DECLARATION**

I, the tenement holder, declare under regulation 84 of the Mining Regulations 2020, that I have taken reasonable steps to review the information in this PEPR/ revised PEPR to ensure its accuracy.

Name	Andrew Muir	Signature (digital allowed)	
Position	Managing Director, Gawler Craton (SA) Pty Ltd	Date	26/05/2025

Copy and paste the above table if there is more than 1 tenement holder.

Note: An authorised representative from each tenement holder must sign the declaration (eg in accordance with the Corporations Act 2001).

SECTION B – PROGRAM PREPARATION AND ACCESS TO LAND

**Work undertaken in preparing the proposal**

Summarise the research and fieldwork undertaken in preparing the proposal including:

- desktop reviews of existing information
- field visits for reconnaissance
- contractor consultation (i.e. equipment scale, type)
- other information used when planning the proposed program.

The proposed aircore (AC) and (RC) drilling program has been designed based on analysis of low impact exploration and reconnaissance undertaken by the Operator, past exploration activities in the area and available datasets, including:

- Geochemical survey undertaken by the Operator in February 2025
- Reconnaissance trips to EL 6493 and EL 6288 in March 2025
- Statewide geophysical data
- Groundwater Connect ([waterconnect.sa.gov.au](http://waterconnect.sa.gov.au))
- GDE Atlas ([bom.gov.au](http://bom.gov.au))
- Atlas of Living Australia ([ala.org.au](http://ala.org.au))

A desktop review was undertaken to determine the prospectivity of the tenements. Historic drillhole data was digitised and imported into a 3D Micromine workspace to assist with drillhole planning. Several open file geophysics images were used to assist with geophysical interpretation.

Open communication has been maintained with pastoralists on North Well and Wilgena Stations (EL 6493) and Lake Everard Station (EL 6288). The Operator stayed at Lake Everard Station shearer's quarters during the March 2025 reconnaissance trip and was guided around the station by manager, Jeff Wastell. The Operator has scheduled a cultural heritage survey over all proposed work areas, to occur in May 2025. Operator staff and representatives of the Gawler Ranges Aboriginal Corporation and Australian Heritage Services will again lodge at Lake Everard Station during the survey.

At the time of this submission, the contracts for AC and RC drilling are yet to be awarded. The Operator has engaged with South Australian drilling contractors on management techniques for the compilation of this application. For the purposes of this document, generic equipment (RC rig, booster and support trucks) has been included.

The Operator engaged the Gawler Ranges Aboriginal Corporation (GRAC) to undertake a cultural heritage survey over proposed working areas included in this application. The survey occurred from 14 – 18 May 2025 and was managed by Australian Heritage Services (AHS), with senior Operator representatives accompanying the surveying party. All proposed work areas were surveyed and cleared areas documented. As of the time of this application, the report from AHS on the cultural heritage survey is pending.

**Exploration PEPR application – 12-month period**

**Consultation (r. 64)**

Using the table below, provide a summary of the individual or group of similarly affected persons and summarise the results of consultation that has been undertaken on the proposed operation. Types of interested or affected parties include residents, council, government agencies etc (exclude native title groups and defence owned or controlled lands – refer to relevant sections below).

Tenement	Stakeholder	Land tenure	Land use	Date and type of NOE served	Type of exempt land	Date waiver obtained	Date consultation/access agreement and/or permits signed/authorised	Stakeholder concerns raised and how addressed
EL 6288	Lake Everard Pty Ltd (Lake Everard Station)	Pastoral Lessee F251769 A42	Grazing	Form 21A served 24/10/24  Form 21B served 07/03/25	n/a	n/a	n/a	<i>No concerns raised. Operator staff stayed at Lake Everard Station during a reconnaissance trip in March 2025 and the cultural heritage survey undertaken during May 2025 with representatives of the Gawler Ranges Aboriginal Corporation (GRAC) and Australian Heritage Services (AHS).</i>
EL 6493	AJ & PA McBride Pty Ltd (Wilgena and North Well Stations)	Pastoral Lessee F252139 Q205	Grazing	Form 21A served 24/10/24  Form 21B served 07/03/25	n/a	n/a	n/a	<i>The Operator has maintained frequent communications with Wilgena and North Well Station Managers, as well as AJ &amp; PA McBride Operations Manager during recon trip and low impact exploration activities to date, including the Operator reporting water leaks observed from station tracks.  When asked for any concerns he'd like documented in this application, Operations Manager, Anthony Uren encouraged the Operator to simply minimise impact.  The Operator advised a copy of the approved E-PEPR would be supplied ahead of the proposed program, with controls identified.</i>

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

**SECTION C – DESCRIPTION OF THE ENVIRONMENT**

Include a description of the features of the environment that are expected to be affected by the proposed operations. Each of the elements of the existing environment listed below must be described only to the extent that they may need to be considered in assessing the impacts that the proposed exploration operations are reasonably expected to have on the environment. If the element is not likely to be impacted by the operation, a statement to that effect must be included.

Where the terms and conditions of an RL include environmental outcomes, include any new baseline environmental data relevant to the control strategies or measurement criteria, and where changes to the environment are identified, provide an updated description of the environment to describe the changes.

**Proximity to infrastructure and housing**

Provide the following information:

- Settlements – indicate the name and distance of the nearest town, and residences within, or near the proposed exploration operations.
- Roads and tracks – indicate existing fence lines, roads and tracks, including those which are to be used in the exploration program.
- Other human infrastructure such as schools, hospitals, commercial or industrial sites, roads, sheds, bores, dams, ruins, pumps, scenic lookouts.
- Railway lines, transmission lines, gas and water pipelines, communication lines – e.g. fibre optic cables etc., if these may be impacted by the exploration operations.

Provide this information on a locality plan/map.

EL 6493 is located approximately 60km west southwest of Kingoonya and covers parts of North Well and Wilgena Stations. Proposed work areas are at Tunkillia North Prospect and Arcoordaby Prospect. The closest infrastructure to the proposed work areas is an uninhabited/disused homestead at Yerda Outstation (~14 km from Arcoordaby Prospect) and various station water tanks/troughs shown in Map 1.

No infrastructure within EL 6493 will be impacted by the proposed program.

EL 6288 is located approximately 110km northeast of Ceduna and covers part of Lake Everard Station (Map 2). The closest infrastructure to proposed work areas within EL 6288 is the uninhabited Childara Outstation (approximately 1km from Sheoak East Prospect) and various station dams, water tanks and troughs, shown in Maps 5 - 9.

No infrastructure within EL 6288 will be impacted by the proposed program.

**Land use and tenure**

Using the table below, select the land tenure and land use that the proposed exploration activities will occur in. Include additional information where prompted.

**Exploration PEPR application – 12-month period**

Land tenure/type	Applicable
Freehold	<input type="checkbox"/>
Pastoral lease	<input checked="" type="checkbox"/>
Perpetual lease	<input type="checkbox"/>
Crown land	<input type="checkbox"/>
Mining reserve	<input type="checkbox"/>
Aboriginal freehold/leasehold land (e.g. Anangu Pitjantjatjara Yankunytjatjara and Maralinga Tjarutja lands)	<input type="checkbox"/>
Forestry reserve	<input type="checkbox"/>
Marine parks	<input type="checkbox"/>
National parks, conservation parks, conservation reserves, regional reserves*	<input type="checkbox"/>
Adelaide Dolphin Sanctuary	<input type="checkbox"/>
Murray Darling Basin	<input type="checkbox"/>
<If park/reserve is selected, please provide the name of the park>	
Other*	<input type="checkbox"/>
<If other is selected, describe the land tenure here.>	

Land use	Applicable
Grazing	<input checked="" type="checkbox"/>
Cultivated land	<input type="checkbox"/>
Residential	<input type="checkbox"/>
Township	<input type="checkbox"/>
Industrial	<input type="checkbox"/>
Tourism	<input type="checkbox"/>
Conservation	<input type="checkbox"/>
Defence activity	<input type="checkbox"/>
Road reserve	<input type="checkbox"/>
Sites of scientific significance (geological monuments, fossil reserves etc.)	<input type="checkbox"/>
Orchard/vineyard	<input type="checkbox"/>
*Native vegetation heritage agreements	<input type="checkbox"/>
<Provide the name of the area>	
*European heritage sites	<input type="checkbox"/>
<Provide the name of the site>	
*Other (e.g. historic mining)	
<Provide the name of the site>	

\* Indicates more information required in field immediately below.

Describe any council policies (or out of council) or development plans that may impact the program area.

Development Plans have been superseded by the Planning and Design Code (the Code). Under the Code, Zones and Overlays provide information regarding considerations for development.

The areas of proposed drilling (EL 6288 and EL 6493) are within the Remote Area Zone. There are a number of overlays that exist over both CL 6190/393 (North Well Station; EL 6493) and CL 6183/171 (Lake Everard Station; EL 6288):

- Hazards (Bushfire – Outback)
- Hazards (Flooding – Evidence Required)
- Key Outback and Rural Routes
- Native Vegetation
- State Significant Native Vegetation Areas
- Water Resources

In addition to the above, the following overlays also apply to CL 6183/171 (Lake Everard Station; EL 6288)

- Heritage Adjacency
- State Heritage Place.

Provide a description of any known plans for future land use changes by other parties.

The South Australian Property and Planning Atlas (sappa.plan.sa.gov.au) has been reviewed and no plans have been identified which have the potential to impact the exploration program.

Provide any additional relevant information.

n/a

## Exploration PEPR application – 12-month period

### Woomera Prohibited Area (WPA)

Will activities be conducted within the WPA	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Do you have a resource exploration permit in place?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
In which zone will activities be conducted?					
Does the Exploration Permit allow the operator to conduct exploration operations in the WPA?				Yes <input type="checkbox"/>	No <input type="checkbox"/>
What is the expiry date of the resource exploration permit?					
Identify closure periods that may impact on the exploration program.					
<Include text here.>					

### Other land owned or controlled by the Commonwealth Department of Defence

Lands in South Australia that are owned or controlled by the Commonwealth Department of Defence, which they manage either as a training or test area, include the Port Wakefield Proof and Experimental Establishment, Murray Bridge Training Area, and Cultana Training Area.

These lands remain to be mineral land under the Mining Act 1971 (SA) and can be accessed for mineral exploration and mining subject to certain restrictions and conditions under the Defence Act 1903 (Cth) and the Defence Regulation 2016 (Cth).

Will operations be conducted within the Port Wakefield Proof and Experimental Establishment, Murray Bridge Training Area, or Cultana Training Area?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
<If yes, indicate which area.>		
Do you have a Deed of Access with Defence?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
What is the expiry date of the Deed of Access?		
Provide the date the Range Control Officer granted access permission to conduct the proposed exploration operations.		
Describe the results of consultation and how any concerns raised were addressed.		
<Include text here.>		

### Native title

Using the table below, describe how you have complied with the requirements of Part 9B of the Mining Act for each tenement (for further information refer to [Minerals Regulatory Guidelines MG22](#)).

Native title			
Is the proposed area of exploration located on native title land?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (If no, no further information in this section required.)		
Are there registered native title party/parties in the area of proposed exploration?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Gawler Ranges Aboriginal Corporation	If no, an Environment, Resources and Development (ERD) Court determination is required.
Have you negotiated a native title mining agreement?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the agreement registered?*	Native Title Mining Agreement for Mineral Exploration between Gawler Ranges Aboriginal Corporation RNTBC and Gawler Craton (SA) Pty Ltd Instrument 53897, registered 26 February 2024 (includes EL 6288 and EL 6493)
		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Have you accepted an Indigenous land use agreement (ILUA)?	Yes <input type="checkbox"/> No <input type="checkbox"/>	Is the ILUA registered?*	<List the tenements covered by the ILUA>
Have you obtained ERD Court determination?†	Yes <input type="checkbox"/> No <input type="checkbox"/>	Is the determination registered?*	<List the tenements covered by the determination>

\* The registration date refers to the date the agreement, determination or ILUA was registered with DEM.

† An ERD Court determination cannot be conjunctive (i.e. cannot apply to subsequent licences).

Provide any additional relevant information.

## Landform and topography

Describe the topography of the general area affected by the exploration program. Include the susceptibility to erosion and visual attributes (steep or undulating slopes, plains, rocky outcrops, dunes, salt pans, clay pans etc.).

### EL 6493

Within EL 6493, the topography is relatively flat, featuring low sand dunes and wide and flat interdunal corridors. Low angled hills less are generally less than 20m. Landforms within the general area include sandplains, sand dunes, woodlands, gibber flats, drainage systems, salt lakes and uplands. Outcropping calcrete is common in EL 6493 as is calcareous soil.

Landforms within EL 6493 are described (on the NatureMaps web app) as:

- Plain; sandy loam; plain to dunefield
- On sandy clay loams of plains and broad valley systems
- Plain to sandy plain / hill footslope; sandy clay loam; sand plain; +/- lichen crust
- Dune crest to interdune corridor; sand; consolidated dunefield
- Sandy plain; sand; sand plain
- Closed depression; sandy loam; flood plain

### EL 6288

Outcrop is virtually non-existent through the project area in EL 6288. Topography is flat-lying with sparse vegetation consisting mainly of saltbush, bluebush and mulga. Sand dunes predominantly occur in the south of the tenement, though not within the proposed work areas.

Landforms within EL 6288 are described (on the NatureMaps web app) as:

- Plain; sandy clay loam, sandy plain
- On sandy clay loams of plains and broad valley systems
- Plain; sandy loam; plain to dunefield
- Dune crest to interdune corridor; sand; consolidated dunefield
- Sandy plain; sand; sand plain
- Closed depression; sandy loam; flood plain

As the topography is relatively flat in the proposed work areas (EL 6288 and EL 6493), there is limited potential for erosion due to the exploration activities described in this application.

## Soil and surface cover

Describe soil types and soil surface cover - e.g. gibber, rocky - in the general area affected by the exploration program. Include details on the susceptibility to compaction, erosion, dust, runoff and any other soil characteristics – e.g. acid sulphate – that may require control strategies to reduce environmental impacts during operations or rehabilitation.

Soil and regolith regimes across the proposed work areas area range from outcropping basement rocks on the topographic highs through to areas of relatively shallow transported cover. Soil development is minimal (<100mm) to non-existent with windblown sand/silt dominating the near surface environment. Sub-surface calcrete is common in the area.

The Geoscience Australia Portal using the Australian Soil classification ascribes the proposed work areas to Calcarosols, minor Rudosols, with only limited areas of Tenosols west of the proposed work areas within EL 6493 and south of proposed work areas within EL 6288.

## Exploration PEPR application – 12-month period

### Surface water

Will the proposed program interfere with surface water bodies and natural drainage (e.g. drainage lines, creeks, floodplains, wetlands)? If yes, describe the potential interference and surface water bodies and natural drainage on maps. If no, indicate why.	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
There are some mapped water courses in the locality, and those that do exist are minor and ephemeral in nature. All watercourses in the vicinity of proposed work areas are currently dry. Planned drilling locations and proposed access tracks have been designed to avoid disturbance to any mapped watercourses. No crossings or modifications to watercourses are proposed.		
Is the program area located within water protection areas defined under the <i>River Murray Act 2003</i> ? If yes, provide the name(s).	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Is the program area located within any prescribed watercourses or prescribed surface water areas under the <i>Landscape South Australia Act 2019</i> ? If yes, provide the name(s).	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>

### Groundwater

Is groundwater likely to be intersected when conducting the exploration program? If yes, use the table below to describe the expected groundwater (hydrogeological) conditions, and identify groundwater aquifers in the exploration area(s) that may be affected. Indicate the approximate depth of drillholes in each area. Copy and paste a new table for each area where different groundwater conditions are expected. If no, provide evidence or any supporting information demonstrating this.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Statewide datasets describe aquifer conditions common to proposed working areas within EL 6288 and EL 6493 as Fractured Rocks – Cambrian and Precambrian rocks – quartzite, sandstone, limestone, dolomite, slate, marble, siltstone, phyllite, schist and gneiss.		
Previous drilling data indicates very minor, saline water in unconfined, fractured basement in the areas of EL 6288 and EL 6493. Notably, drilling on nearby EL 5989 (5km north of EL 6493) included 15 holes with a maximum depth of 204m. Most holes were recorded as being dry with minor saline water encountered in some holes from approximately 50m. It is assumed these conditions will remain similar across the general area.		
In 1996, Equinox Resources NL completed significant drilling within EL 2305 (RC, RAB and aircore drilling) including RC drillholes to a depth of 150m at Bimba and 149m at Sheoak Prospect (ENV09020). Drill logs indicate intersecting water around 50-70m but that samples remained dry until 120-130m. No evidence of confirmed aquifers was reported.		
Groundwater data from waterconnect.sa.gov.au is of limited use due to the shallow terminal depths of water bores, but supports the above assumptions with SWLs consistent between 10-40m (see table below).		

Description of the locality/area where different groundwater conditions may be encountered						
The closest available data to proposed work areas are as follows:						
Exploration Licence	Unit (well) number	MGA Easting	MGA Northing	Reading date	SWL	TDS
EL 6288	5834-1	486015.32	6492209.24	13/5/1977	12.47	3010
	5834-16	486015.32	6492209.24	13/5/1977	19.37	6963
	5834-37	481629.3	6496273.21	29/2/1996	28	n/a
	5834-46	481969.05	6492195.1	11/8/2003	40	n/a
EL 6493	5835-1	462784.37	6565586.18	28/8/1957	17.68	47771
	5835-2	462219.48	6563463.36	9/8/1957	15.24	50218
	5835-3	463231.34	6563525.11	3/8/1957	12.19	39230
	5835-4	463770.52	6563487.29	16/8/1957	n/a	45324
	5835-12	479025.39	6549459.29	29/4/1977	14.36	26744

**Exploration PEPR application – 12-month period**

Formation age and/or stratigraphic unit	Stratigraphic intervals (depth range) (m)	Aquifer formation name	Aquifer interval/thickness (from-to) (m)	Type of aquifer(s) intersected (e.g. unconfined, confined, artesian)	Provide aquifer salinity, depth to water level and any other relevant comments
EL 6288 Saprock - Granite	0-300 m	Fractured Rocks – Cambrian and Precambrian rocks	0m-300m	Unconfined	3,000-7,000 (see above info)
EL 6493 Hiltaba Suite Granitoids	0-300 m	Fractured Rocks – Cambrian and Precambrian rocks	0m-300m	Unconfined. There is no evidence of a confining stratigraphic bed above any aquifers and water can seep down the weathering profile and follow fractures and faults to aquifers in Basement fresh rock.	25,000 – 50,000 (see above info)

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

Per Environmental Protection (Water Quality) Policy 2015, Schedule 1 – Environmental values of waters (clause 6)  
 Underground waters with a background TDS level of 3,000 mg/L or more, but less than 13,000 mg/L:

- Primary industries – livestock drinking water
- Primary industries – aquaculture and human consumption of aquatic foods

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

The Groundwater Dependent Ecosystem Atlas (bom.gov.au) was interrogated on 9 April 2025 with results as follows:

- No Subterranean or Terrestrial GDEs are within or immediately surrounding proposed work areas of EL 6493.
- A cluster of 19 Aquatic GDEs were identified immediately north of Tunkillia North Prospect, including:
  - Lacustrine Wetland Ecosystem (EL 6493) – Moderate to High Potential GDE (National Assessment)
  - Palustrine Wetland Ecosystem (EL 6493) – Moderate to High Potential GDE (National Assessment)
- Similarly no Terrestrial or Subterranean GDEs were identified within EL 6493
- A large number of aquatic GDEs are identified within the tenement, predominantly around the edges of Lake Everard
  - Lacustrine Wetland Ecosystem of Lake Everard – High Potential GDE (National Assessment)
  - Lacustrine Wetland Ecosystem (EL 6288) – Low to High Potential GDE (National Assessment)
  - Palustrine Wetland Ecosystem (EL 6288) – Low to Moderate Potential GDE (National Assessment)

No exploration activities within the proposed work areas will affect aquatic GDEs.

Is the proposed program located within a prescribed wells area or prescribed water resource area? If yes, provide the name of the area.	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
<Insert the name of the area>		

Provide any additional information, if required.

<Include text here.>

**Native vegetation**

Will you be working within areas of native vegetation? If yes, provide the following information: <ul style="list-style-type: none"> <li>• description of the formation and structure of vegetation in the area (e.g. woodland, shrubland, grassland)</li> <li>• list of the dominant species.</li> </ul> If no, indicate why you will not be working within areas of native vegetation?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
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All proposed work areas relevant to this drilling program fall on pastoral stations with land use identified as grazing of native vegetation. The environment is relatively arid, vegetation is typically sparse and has been degraded to varying extents over a long history of stock grazing.

**EL 6493**

Review of the SA Vegetation database (on the NatureMaps web app) identified the following vegetation groups within EL 6493 :

- GC001 described as Acacia low open woodland\Aristida (mixed) tussock grass with the following species: Acacia aneura complex low open woodland over Aristida contorta, +/-Eragrostis eriopoda, +/-Maireana georgei, +/-Ptilotus obovatus var. obovatus, +/-Monachather paradoxus mid sparse tussock grassland
- GC002 described as Acacia low open woodland\Maireana shrub\Ptilotus forb with the following species: Acacia aneura complex low open woodland over Maireana sedifolia, +/-Senna artemisioides ssp., +/-Eremophila latrobei ssp. glabra mid sparse shrubland over +/-Ptilotus obovatus var. obovatus, +/-Aristida contorta low sparse forbland
- GC0016 described as Casuarina low open woodland\Alectryon shrub\Maireana shrub with the following species: Casuarina pauper, +/-Acacia papyrocarpa, +/-Acacia aneura complex, +/-Santalum acuminatum low open woodland over +/-Alectryon oleifolius ssp. canescens tall sparse shrubland over Maireana sedifolia, Atriplex vesicaria ssp., Enchylaena tomentosa var. tomentosa low sparse shrubland
- GC009 described as Chenopod Shrubland/ Maireana, Atriplex low open shrubland with the following species: Maireana pyramidata, Atriplex vesicaria ssp., +/-Maireana sedifolia low open shrubland over Austrostipa sp., +/-Maireana turbinata, +/-Maireana georgei, +/-Sclerolaena obliquicuspis
- GC007 described as tall sparse shrubland/ +Acacia (mixed) tall sparse shrubland\Alectryon tree\Enchylaena shrub with the following species: emergent +/-Alectryon oleifolius ssp. canescens, +/-Eucalyptus socialis ssp. low open woodland over Acacia ligulata, Senna artemisioides ssp. petiolaris, Dodonaea viscosa ssp. angustissima, +/-Acacia ramulosa var. tall sparse shrubland over +/-Enchylaena tomentosa var. tomentosa, +/-Aristida contorta, +/-Austrostipa sp., +/-Aristida holathera var. holathera, +/-Enneapogon sp. low sparse shrubland

Proposed work areas within EL 6493 broadly fall within GC001 and GC002 Acacia low open woodland and Sandy plain to plain; sand to clayed sand; sandy plain to plain.

**EL 6288**

Within EL 6288, vegetation groups are more varied than in EL 6493. The following vegetation group (codes) were identified in the vicinity of the proposed work areas:

- GR0010 described as low open woodland/ +Acacia low open woodland\Maireana, Atriplex shrub with the following species: Acacia papyrocarpa low open woodland over Maireana sedifolia, +/-Atriplex vesicaria ssp., Enchylaena tomentosa var. tomentosa, +/-Lycium australe, +/-Maireana pyramidata low open shrubland over Austrostipa sp., +/-Sclerolaena obliquicuspis, +/-Eriochiton sclerolaenoides
- GV005 described as +Casuarina, Acacia low woodland\Senna shrub\Atriplex shrub with the following species: Casuarina pauper, +/-Acacia papyrocarpa low woodland over Senna artemisioides ssp. petiolaris, +/-Senna cardiosperma ssp. gawlerensis mid sparse shrubland over Atriplex vesicaria ssp., +/-Maireana sedifolia, +/-Cratystylis conocephala low open shrubland
- GC0009 (as above)
- GV0013 described as +Eucalyptus mid mallee woodland\Eremophila shrub\Olearia shrub with the following species: Eucalyptus oleosa ssp., +/-Eucalyptus gracilis mid mallee woodland over Eremophila scoparia, +/-Melaleuca pauperiflora ssp. mutica tall sparse shrubland over Olearia muelleri, Rhagodia crassifolia, +/-Atriplex vesicaria ssp. low sparse shrubland
- GV0010 described as +Eucalyptus mid mallee woodland\Dodonaea shrub\Triodia hummock grass with the following species Eucalyptus concinna, +/-Eucalyptus socialis ssp., +/-Myoporum platycarpum ssp. platycarpum mid mallee woodland over Dodonaea viscosa ssp. angustissima, +/-Senna artemisioides ssp. petiolaris, +/-Acacia ligulata, +/-Acacia colletioides, +/-Bossiaea walkeri mid sparse shrubland over Triodia sp., +/-Lomandra leucocephala ssp. robusta, +/-Aristida contorta low hummock grassland
- GV0017 described as tall sparse shrubland/ +Dodonaea tall sparse shrubland\Myoporum, Alectryon tree\Austrostipa (mixed) tussock grass with the following species: emergent +/-Myoporum platycarpum ssp. platycarpum, +/-Alectryon oleifolius ssp. canescens low open woodland over Dodonaea viscosa ssp. angustissima, +/-Acacia oswaldii tall sparse shrubland over Austrostipa nitida, Atriplex vesicaria ssp., Aristida contorta low open tussock grassland

Proposed work areas within EL 6288 broadly fall within GC009 low open shrubland/ Plain; sandy clay loam; sandy plain and GR0010 low open woodland/ On sandy clay loams of plains and broad valley systems.

## Exploration PEPR application – 12-month period

### Significant habitats and flora

If you are working within areas of native vegetation, use the table below to list any significant habitats and any rare or endangered flora 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/habitat	Common name	NPW Act rating*	EPBC Act rating†
<i>Frankenia plicata</i>	n/a	Vulnerable	Endangered
<i>Swainsona pyrophila</i>	Yellow Swainson-pea	Rare	Vulnerable
<i>Pterostylis xerophila</i>	Desert Greenhood	Vulnerable	Vulnerable
<i>Limosella granitica</i>	Granite Mudwort	Vulnerable	Vulnerable
<i>Hibbertia crispula</i>	Ooldea Guinea-flower	Vulnerable	Vulnerable

\* *National Parks and Wildlife Act 1972* (NPW Act) conservation status includes extinct, endangered, vulnerable, threatened and rare.

† *Environment Protection and Biodiversity Conservation Act 1999* (Cth) (EPBC Act) listings include extinct, extinct in the wild, critically endangered, endangered, vulnerable and conservation dependent.

### 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*).

<p>Interrogation of the NatureMaps web database was conducted on 01/04/2025.</p> <ul style="list-style-type: none"> <li>Jerusalem Thorn (<i>Parkinsonia aculeata</i>) sighted on 7/6/2010 at Yerta Homestead (south of EL 6493)</li> </ul>
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### Fauna

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

<ul style="list-style-type: none"> <li>Australian Ringneck (<i>Barnardius zonarius</i>)</li> <li>Barred Wedgesnout Ctenotus (<i>Ctenotus schomburgkii</i>)</li> <li>Black-Eared Cuckoo (<i>Chalcites osculans</i>; known to occur in the Wilgena area)</li> <li>Black-Faced Cuckoo-Shrike (<i>Coracina (Coracina) novaehollandiae</i>)</li> <li>Bourke's Parrot (<i>Neopsephotus bourkii</i>)</li> <li>Cattle Egret (<i>Bubulcus ibis</i>)</li> <li>Central Nodded Dragon (<i>Ctenophorus nuchalis</i>)</li> <li>Chestnut-Rumped Thornbill (<i>Acanthiza (Geobasileus) uropygialis</i>)</li> <li>Common Bronzewing (<i>Phaps (Phaps) chalcoptera</i>)</li> <li>Common Dwarf Skink (<i>Menetia greyii</i>)</li> <li>Common Sandpiper (<i>Calidris ferruginea</i>) (Rare NPW Act)</li> <li>Crested Bellbird (<i>Oreoica gutturalis</i>)</li> <li>Emu (<i>Dromaius novaehollandiae</i>)</li> <li>Fat-Tailed Dunnart (<i>Sminthopsis crassicaudata</i>)</li> <li>Five-Ringed Snake (<i>Pseudonaja modesta</i>)</li> <li>Fork-tailed Swift (<i>Apus pacificus</i>)</li> <li>Grey Butcherbird (<i>Cracticus torquatus</i>)</li> <li>Grey Wagtail (<i>Motacilla cinerea</i>)</li> <li>Hooded Robin (<i>Melanodryas (Melanodryas) cucullata</i>)</li> <li>House Mouse (<i>Mus musculus</i>)</li> <li>Kultarr (<i>Antechinomys laniger</i>)</li> <li>Little Long-Tailed Dunnart (<i>Sminthopsis dolichura</i>)</li> <li>Major Mitchell's Cockatoo (<i>Lophochroa leadbeateri</i>)</li> <li>Mulga Parrot (<i>Psephotellus varius</i>)</li> <li>Mulga Snake (<i>Pseudechis australis</i>)</li> <li>Oriental Plover, Oriental Dotteral (<i>Charadrius veredus</i>)</li> <li>Pallid Cuckoo (<i>Heteroscenes pallidus</i>)</li> <li>Pectoral Sandpiper (<i>Calidris melanotos</i>) (Rare NPW Act)</li> <li>Peregrine Falcon (<i>Falco (Hierofalco) peregrinus</i>)</li> <li>Purple-Backed Fairy-Wren (<i>Malurus (Leggeornis) assimilis</i>)</li> <li>Rainbow Bee-eater (<i>Merops ornatus</i>)</li> <li>Red Kangaroo (<i>Osphranter rufus</i>)</li> </ul>
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## Exploration PEPR application – 12-month period

- Red-Capped Robin (*Petroica (Petroica) goodenovii*)
- Silver Tails (*Ptilopus obovatus*)
- Southern Hairy-Nosed Wombat (*Lasiorhinus latifrons*)
- Southern Whiteface (*Aphelocephala leucopsis*)
- Variable Fat-Tailed Gecko (*Diplodactylus conspicillatus*)
- Varied Sittella (*Daphoenositta (Neositta) chrysoptera*)
- Wedge-Tailed Eagle (*Aquila (Uroaetus) audax*)
- Welcome Swallow (*Hirundo (Hirundo) neoxena*)
- Western Grey Kangaroo (*Macropus fuliginosus*)
- White-bellied Sea-Eagle (*Haliaeetus leucogaster*)
- White-Browed Babbler (*Pomatostomus (Morganornis) superciliosus*)
- White-Browed Treecreeper (*Climacteris (Climacterobates) affinis*)
- Yellow Wagtail (*Motacilla flava*)

### Significant fauna

Where possible, using the table below, list any rare or endangered 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.

Included in the table below are species identified in EPBC Protected Matters Searches undertaken 31/03/2024 using the entire land parcels covered or part covered by EL 6493 and EL 6288. Species known to occur in the search areas are identified as such in the box above.

Species	Common name	NPW Act rating	EPBC Act rating
<i>Calidris acuminata</i>	Sharp-tailed Sandpiper (known to occur in the Lake Everard and Wilgena areas)	n/a	Vulnerable
<i>Aphelocephala leucopsis</i>	Southern Whiteface (known to occur in the Wilgena area)	n/a	Vulnerable
<i>Leipoa ocellata</i>	Malleefowl (known to occur in the Wilgena area)	Vulnerable	Vulnerable
<i>Sminthopsis psammophila</i>	Sandhill Dunnart	Vulnerable	Endangered
<i>Petrogale xanthopus xanthopus</i>	Yellow-footed Rock-wallaby (SA and NSW)	Vulnerable	Vulnerable
<i>Pseudomys australis</i>	Plains Rat, Palyoora, Plains Mouse	Vulnerable	Vulnerable
<i>Pedionomus torquatus</i>	Plains-wanderer	Endangered	Critically Endangered
<i>Calidris ferruginea</i>	Curlew Sandpiper	Endangered	Critically Endangered
<i>Tringa nebularia</i>	Common Greenshank, Greenshank	n/a	Endangered
<i>Neophema chrysostoma</i>	Blue-winged Parrot	Vulnerable	Vulnerable
<i>Polytelis alexandrae</i>	Princess Parrot, Alexandra's Parrot	Vulnerable	Vulnerable
<i>Falco hypoleucos</i>	Grey Falcon	Rare	Vulnerable

Note: NPW Act conservation status includes extinct, endangered, vulnerable, threatened and rare.

EPBC Act listings include extinct, extinct in the wild, critically endangered, endangered, vulnerable and conservation dependent.

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### Environmentally sensitive locations

Are there any environmentally sensitive locations within or close to the proposed exploration area (e.g. areas having particular ecological, cultural, scientific, aesthetic or conservation value)? If yes, provide a description of identified environmentally sensitive location(s). Mark these areas on a locality plan to identify any areas of conflict so that access roads or other activities can be planned and located effectively.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
<ul style="list-style-type: none"> <li>Yellabinna Regional Reserve borders EL 6493 to the west (refer Map 1) and is separated from the proposed working areas within EL 6493 by the Dog Fence.</li> <li>Tunkillia Rockhole is located approximately 10km southeast of the proposed work areas at Tunkillia North Prospect (refer Map 1)</li> <li>Lake Everard and Lake Gairdner are part of the Lake Gairdner National Park which forms the northern and northeastern boundary of EL 6288. The closest proposed work areas within EL 6288 are at Bimba Prospect, approximately 6km southeast of Lake Everard and 5.5km southwest of the Lake Gairdner (refer Map 2).</li> </ul>		
Are you likely to impact on the environmentally sensitive area? If yes, detail the likely effects the proposed program may have.	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
n/a		
Include a statement concerning whether or not an Aboriginal heritage survey has been conducted by the proponent and if so, the results of the survey.		
In accordance with the NTMA listed above, the Operator engaged the Gawler Ranges Aboriginal Corporation (GRAC) to undertake a cultural heritage survey over proposed working areas included in this application. The survey occurred from 14 – 18 May 2025 and was managed by Australian Heritage Services (AHS), with senior Operator representatives accompanying the surveying party. All proposed work areas were surveyed and cleared areas documented. As of the time of this application, the report from AHS on the cultural heritage survey is pending.		

### SECTION D – DESCRIPTION OF PROPOSED EXPLORATION OPERATIONS

Each of the elements listed below must be described only to the extent that they apply to the proposed exploration program.

#### Equipment and personnel requirements

Using the table below, describe the equipment, size and composition of field crews, and proposed working hours/days required to conduct the proposed program.

Type of personnel	Number	Name of contractor company (if applicable)	
Geologists	2	Sipa Resources Ltd	
Land access/environmental	1	Sipa Resources Ltd	
Field assistants/technicians	1	Sipa Resources Ltd	
Drilling crew	6	3 x AC (Drilling contractor To Be Confirmed; TBC) 3 x RC TBC	
Site preparation and rehabilitation	1	Andrew Brockhoff	
Other (provide details)		<Include name and contact details here.>	
Shifts worked per day	Hours worked per day	Days worked per week	
1	12	7	
Equipment type	Owner/operator	Description/capacity	Activity/purpose
Land Cruiser (2)	Sipa Resources Ltd	Ute	<i>Geologist/logging vehicle</i>
Land Cruiser	Sipa Resources Ltd	Wagon	<i>Crew vehicle</i>
Tandem trailer	Sipa Resources Ltd	Tandem Trailer	<i>Rehabilitation/sample and consumable management</i>
Aircore drill rig on 6x6 truck	TBC	Drill rig on 6x6 truck or similar	<i>AC drilling</i>
Compressor on 6x6 truck	TBC	Ute	<i>Booster for AC drill rig</i>
Land Cruiser	TBC	Ute	<i>Support vehicle/field crew vehicle</i>
Tandem Trailer	TBC	Tandem Trailer	<i>Water capture</i>
RC drill rig on 8x8 truck	TBC	Likely an 8x8 truck mounted RC drill rig	<i>RC Exploration Rig</i>

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Compressor on 8x8 truck	TBC	Likely a 6x6 or 8x8 truck with booster compressor	Booster for RC drill rig
Support light truck	TBC	4x4 dual cab truck	Support truck
Land Cruiser	TBC	Ute	Crew vehicle
Wheel loader	TBC	12T articulated loader or similar	Construction of drill sumps, general earthworks
Backhoe	Andrew Brockhoff	John Deere backhoe or similar	Construction of sumps (alternative machine), general earthworks
Skidsteer Loader	TBC	4.5T Bobcat or similar	Backfilling of sumps, general earthworks

Provide any additional information, if required.

<Include text here.>

**Low impact exploration activities**

Will low impact exploration operations be conducted that are not covered by the <a href="#">Generic program for environment protection and rehabilitation – low impact mineral exploration in South Australia</a> , (generic PEPR)? If yes, describe each type of low impact operations proposed.	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
<Include text here.>		

**Drilling activities**

Will exploration drilling activities be conducted? If yes, fill out the below table	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
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Tenement	Drilling type	Maximum number of drillholes	Maximum drillhole depth (m)	Maximum number of sumps required at each site	Maximum size of sumps (length x depth x width) (m <sup>3</sup> )	Average size of each drill pad* (m <sup>2</sup> ) (no excavation required)	Number of sites requiring pad excavation	Average volume (m <sup>3</sup> ) of material to be excavated (excluding sumps)
EL 6288	AC	30	60m (1,800m)	0	n/a	30 (q) x 15m (l) x 6m (w) = 2,700m <sup>2</sup>	0	0
EL 6288	RC	30	150m (3,000m)	30	30 (q) x 3m (w) x 3m (l) x 1.5m (d) = 405m <sup>3</sup>	30 (q) x 20m (l) x 10m (w) = 6,000m <sup>2</sup>	0	0
EL 6493	AC	30	60m (1,800m)	0		30 (q) x 15m (l) x 6m (w) = 2,700m <sup>2</sup>	0	0
EL 6493	RC	10	150m (1,500m)	10	10 (q) x 3(w) x 3(l) x 1.5m (d) = 135m <sup>3</sup>	10 (q) x 20m (l) x 10m (w) = 2,000m <sup>2</sup>	0	0
<b>TOTAL</b>		<b>100</b>	<b>8,100m</b>	<b>40</b>	<b>540 m<sup>3</sup></b>	<b>13,400 m<sup>2</sup></b>	<b>0</b>	<b>0</b>

Total number of drillholes (add each row to calculate the total).	Total metres proposed (maximum number of holes x average depth for each row, then add each row to calculate the total).	Total number of sumps (maximum number of sumps x drillsites for each row, then add each row to calculate the total).	Total volume of sumps (maximum size of sumps x number of sumps for each row, then add each row to calculate the total).	Total area of disturbance (number of holes x average size for each row, then add each row to calculate the total).	Total number of pads requiring excavation (add each row to calculate the total).	Total volume of material to be excavated (number of sites requiring excavation x average volume for each row, then add each row to calculate the total).
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\* The footprint includes all areas of disturbance associated with the drillsite.

## Exploration PEPR application – 12-month period

### 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.

- As the proposed areas of disturbance within EL 6288 and EL 6493 are flat-lying (refer Photographs 1 – 8 in Section I), no levelling of drillsites will be required.
- Drill sites will be located to avoid clearance of vegetation and will take advantage of natural clearings.
- Vegetation at the proposed areas of disturbance is relatively sparse (Photographs 1 – 8) meaning work can frequently be undertaken with minimal vegetation clearing by hand.
- Where drill sites are unable to be cleared efficiently by hand, site preparation may include the use of a backhoe or skidsteer loader to scrape the sparse saltbush/bluebush from the surface.
- Any cleared vegetation/debris will be pushed to one end of the drill site, so it can be easily salvaged and re-spread during the rehabilitation process. It is intended that plant rootstock will be left intact as much as possible to aid in later re-growth, however, it is also necessary to ensure the drill site is free of objects (rocks/sticks/etc) that could pose a trip hazard to personnel, or damage to vehicle tyres.
- Minimal topsoil will be removed during the site preparation process.
- Drilling will be completed with minimal passes along tracks and drill sites.

#### AC drilling

- AC drill sites will be approximately 15m x 6m to accommodate the smaller AC drill rig and support truck
- No drill sumps will be constructed for AC drilling
- Any intersected groundwater will be captured in an above ground sump (of 1,000l or greater capacity) and discharged into RC sumps (see below).
- Drill sites will be prepared to the dimensions stated above, with any earthworks supervised by an Operator representative.

#### RC drilling

- RC drill sites will be approximately 20m x 10m and cleared by hand where possible, or with machines where required.
- Outside return will be contained within an in-ground sump to be constructed using an appropriately sized bucket for the sump dimensions and approximately 3m (w) x 3m (l) x 1.5m (d) for a total of 13.5m<sup>3</sup> excavated per sump.
- Construction of sumps will include at least one sloped edge to facilitate the egress of any animals that may fall into the sump.
- Sumps will be used to capture any encountered groundwater. The sumps will not be lined, in order to allow any intercepted water to seep back into the ground.

### Drillhole construction and decommissioning

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  No

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.

#### AC Drilling

- AC drillholes will be constructed with 77mm - 87mm blade. Drillholes will be completed to a maximum depth of approximately 60m. Up to 3m of 100mm PVC casing will be installed at the drill collar with a 106mm blade where necessary. Casing will not be cemented and will be extracted upon the completion of the drillhole.
- Drillholes will be rehabilitated immediately upon completion.

#### RC Drilling

- RC drillholes will be constructed with 125mm – 200mm hammer to a maximum planned depth of 150m. Between 6 and 12m of 150 - 250mm PVC casing will be installed with a 250mm blade and held in place with driller's A & B foam or other appropriate industry standard product, as required.

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.

Drillhole decommissioning is the same for AC and RC drillholes:

- PVC casing (up to 3m x 100mm) in AC drillholes will not be cemented and will be removed at the end of each drillhole using the drill head.
- For RC drillholes, excavations of approximately 400mm will be made around the PVC casing which will be cut, capped, and plugged, with the excavated soil and topsoil used to backfill the digging. Any drill cuttings not collected for assays or stored off site will be placed down the drillhole (deepest material first), or in the sump prior to backfilling.
- Drillholes will be backfilled with drill cuttings upon completion per the protocols described in *M21: General Specifications for Construction and Backfilling for Unconfined aquifers (Figure 1, below)*

**Where confined aquifers are penetrated**

- Drillholes will be grouted consistent with the *M21: General Specifications for Construction and Backfilling* protocols to ensure vertical water flow is prevented. Cement for grouting in a bagged form will be supplied by the driller.
- Drillers mix all grout/cement in a mud tank on site and deliver straight to the drillhole via the rods lowered into the drillholes.
- Drillers will grout to a minimum of 15m above the confined aquifer upon completion of the drillhole, as shown in Figure 2, below. The remainder of the drillhole will be backfilled with drill cuttings and subsoil and topsoil at surface, in the correct order.
- Grout/cement characteristics are determined by exact ground conditions but generally comprise a general-purpose cement and water and may contain sand, gravel, bentonite or hydrated lime.
- No drill cuttings are to be left exposed on surface.

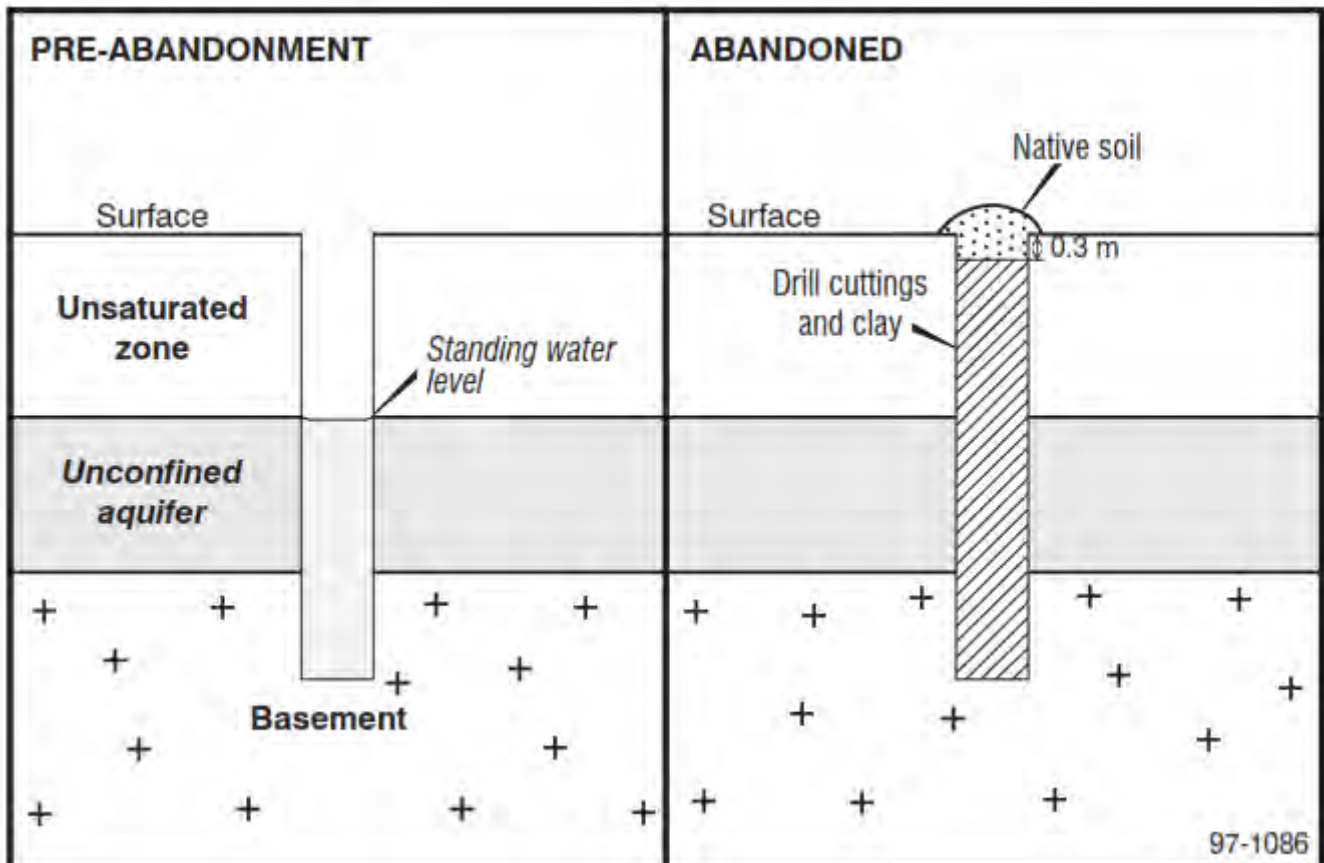


Figure 1. Abandonment diagram for decommissioning of drillholes that penetrate an unconfined aquifer

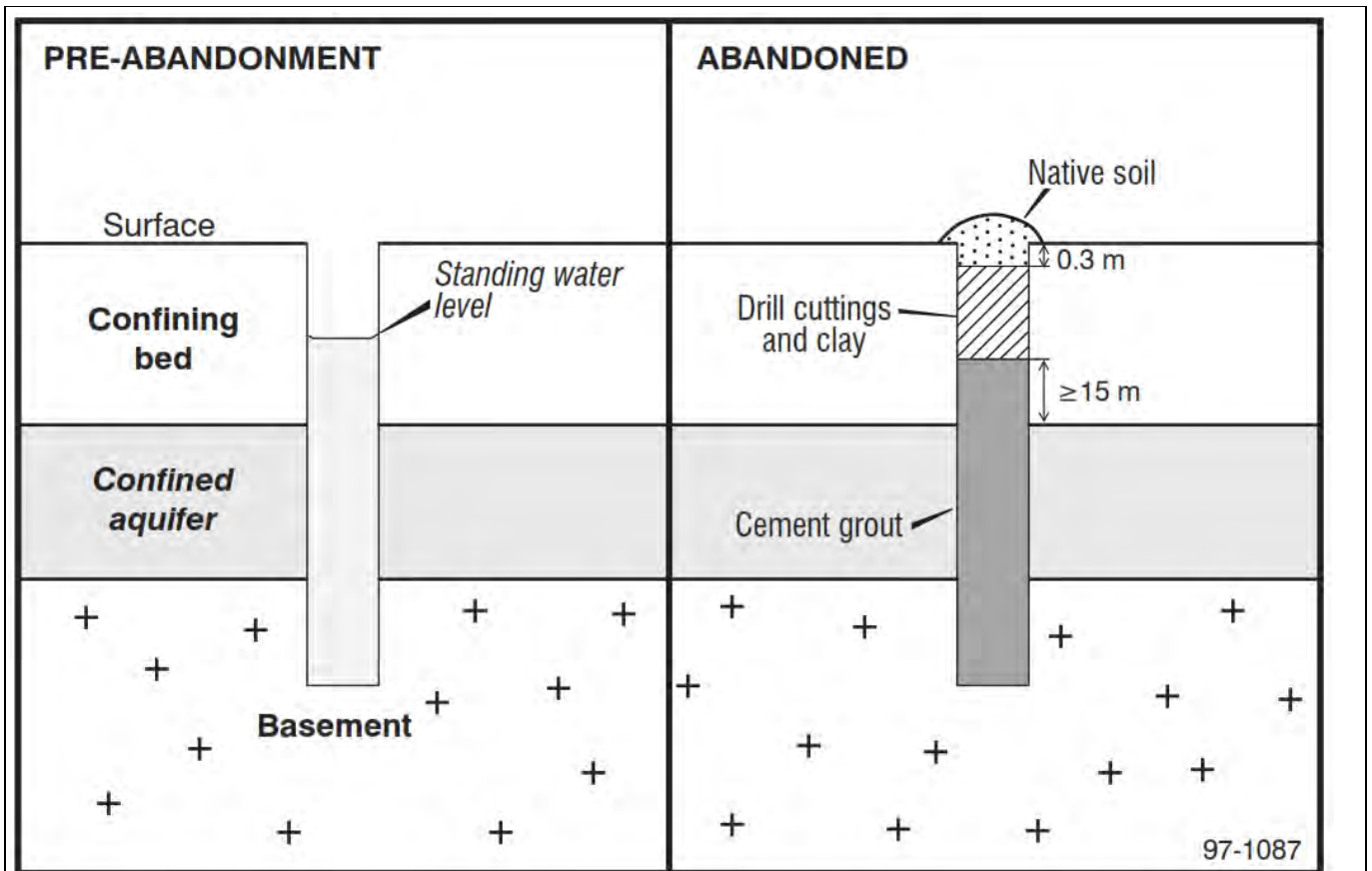


Figure 2. Abandonment diagram for decommissioning of drillholes that penetrate a confined aquifer.

Where confined or artesian conditions are expected, include a schematic diagram demonstrating how drillholes will be constructed and decommissioned

**Costeans and bulk sample disposal pits**

Will costeans/bulk sample disposal pits be required for the proposed program? Yes  No

If yes, fill out the table below.

Tenement	Number of costeans/pits	Size of costean (length x width) (m <sup>2</sup> )	Average depth (m)	Volume excavated (m <sup>3</sup> )	Total volume excavated (m <sup>3</sup> ) (number of costeans/pits x volume)	Total area of disturbance* (length x width) (m <sup>2</sup> )
						<Tab to add rows.>
<b>TOTAL</b>						

Total number of costeans/pits (add each row to calculate the total).

Total volume of material to be excavated (add each row to calculate the total)

Total area of disturbance (number of costeans/pits x area of disturbance for each row, then add each row to calculate the total).

\*Includes storage of excavated material at the site (e.g. topsoil and subsoil segregation).

**Costeans and bulk sample disposal pit preparation**

If costeans/bulk sample disposal pits are required, describe site preparation methods, vegetation clearance, and safety and maintenance requirements.

n/a

**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

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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).

Sample management is the same for AC and RC drilling.

- Approximately 7 - 10kg of drill sample (cuttings) is collected for every metre of AC drilling.
- Approximately 15 - 25kg is collected for every metre of RC drilling.
- All AC and RC drill samples are run through a cone splitter where 25% of the sample is captured in a calico bag for analysis. The remaining 75% is contained within (industry standard) UV-stable plastic bags placed in rows at the edge of the drillsite.
- Upon completion of each drillhole, drill sample captured in UV-stable plastic bags are returned downhole and the used plastic bags collected for disposal.
- Any drill samples unable to be returned downhole will be emptied into a dried (RC drilling) sump which shall then be rehabilitated along with the drill site.

### Access routes to work areas

Will existing tracks require upgrading and/or maintenance? If yes, detail the work required to upgrade/maintain existing tracks.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Within EL 6288, existing tracks to Sheoak (including East and North) and Bimba Prospects were surveyed during the March 2025 reconnaissance trip and were found to be in good order. Within EL 6493 a station track provides direct access to Arcoorbady Prospect. The existing track through Tunkillia North Prospect is rutted from previous activity and may require levelling via machine prior to drilling.		
Will access be required across adjoining tenements? If yes, detail the method(s) for gaining access, and if an agreement is in place with all stakeholders. Include the total area of disturbance required (i.e. length (km) and width (m) of tracks) and provide on a locality map.	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
<a href="#">&lt;If yes, include text here.&gt;</a>		
Will access off existing tracks be required? If yes, detail the method(s) for gaining access and if vegetation clearance is required. Include 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).	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
<ul style="list-style-type: none"> <li>• Prior to the creation of access tracks:                             <ul style="list-style-type: none"> <li>○ A cultural heritage survey will be completed, per the NTMA with GRAC detailed in Section C.</li> <li>○ an Operator representative will pace the proposed route ahead of any machinery or vehicles to establish the route is clear of significant flora and fauna or animal habitats.</li> </ul> </li> <li>• Satellite imagery and topographic data may be used (where required) to plan routes, identify suitable access points and avoid impacting drainage channels.</li> <li>• Where possible, access from existing tracks will consist of traversing open country to drill locations. Tracks will be created by the wheels of trucks and other vehicles traveling across to the drill sites without the need of machinery and clearing of vegetation or surface soils along existing tracks. Access will be limited to a single lane track.</li> <li>• Tree limbs may require trimming with a chainsaw to facilitate drill site access/working space for the drill rig. Vegetation trimming will be limited to as little as is necessary to gain access. Workers will be reminded that vegetation may still be moisture stressed and could snap easily, rather than springing back.</li> <li>• Where required, access tracks will be cleared by machine (loader/bobcat) to facilitate access to drill sites. Vegetation to be trimmed or flattened using a raised blade technique to avoid rootstock removal, reduce the impact and the chance of erosion.</li> <li>• Speed limits of 40km/h on existing station tracks and 20 km/h on new tracks will be applied during the program.</li> </ul>		
<b>Total area of disturbance</b> Disturbance from tracks for the proposed program is calculated by including the length of: <ul style="list-style-type: none"> <li>• drill corridors</li> <li>• existing tracks (historic exploration tracks to be re-opened), distance calculated from the nearest station track</li> <li>• access tracks (new tracks across open country, from historic exploration tracks or station tracks, as required).</li> </ul>		
Proposed tracks are shown in Maps 3 - 9 are summarised in the table below.		
The area of disturbance is calculated using 2.5m track width.		

**Exploration PEPR application – 12-month period**

<b>Disturbance from tracks</b>						
<b>Exploration Licence</b>	<b>Prospect</b>	<b>Drill Corridor (km)</b>	<b>Existing track (km) (from station track)</b>	<b>Access track (km) (new track across open country)</b>	<b>Total track length (km)</b>	<b>Total area of disturbance (m<sup>2</sup>)</b>
EL 6493 (Map 1)	Tunkillia North (Map 3)	6.8	12.8	n/a	19.6	49,000
	Arcoordaby (Map 4)	1.7	1.5	0.4	3.6	9,000
EL 6288 (Map 2 & 5)	Sheoak and Sheoak North (Map 6)	5.6	1.0	n/a	6.6	16,500
	Sheoak East (Map 7)	1.2	n/a	n/a	1.2	3,000
	Bimba (Maps 8 & 9)	1.7	5.7	0.3	7.7	19,250
<b>TOTAL</b>		<b>17</b>	<b>21.0</b>	<b>0.7</b>	<b>38.7km</b>	<b>96,750m<sup>2</sup></b>

Indicate planned access routes on a locality plan and distinguish between existing and proposed new access tracks and drill lines (including fence lines).

**Campsites, storage and equipment laydown areas**

Using the tables below, provide a description of campsites and/or laydown areas required. Indicate the campsite and laydown area on a locality plan.

<b>Campsite details</b>		
Indicate where staff and contractors will be accommodated during the exploration program.		
For work within EL 6288, staff and contractors will be accommodated at the Lake Everared Station shearer's quarters on commercial terms with the station. These facilities were used by the Operator during the March 2025 reconnaissance trip and are of high quality and can accommodate large crews.		
For work within EL 6493, staff and contractors will be accommodated at the Kingoonya Caravan Park on commercial terms.		
What is the maximum number of personnel requiring accommodation?	~8 persons (AC and RC drilling will not be concurrent)	
Is a campsite required to be established? If no, no further information is required.	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Provide a description and justification of the camp location (e.g. previously cleared areas etc.), and any other relevant information.		
<Include text here.>		
What will be the total area (ha) of the campsite(s)?	ha	
What will be the total area (ha) of vegetation clearance for the campsite?	ha	
If vegetation clearance is required, describe the methods used to prepare the site.		
<Include text here.>		
Will any excavations be required?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
If yes, describe the purpose of the excavation and the maximum volume (m <sup>3</sup> ) of material to be excavated.		
<Include text here.>		
Are the proposed ablution facilities endorsed/approved for use by the Department of Health or local council, where applicable? If no, indicate why.	Yes <input type="checkbox"/>	No <input type="checkbox"/>
<Include text here.>		
<b>Proposed infrastructure (includes caravans, tents, offices, hydrocarbon and water storage requirements etc)</b>	<b>Quantity</b>	<b>Description/capacity</b>
		<Tab to add rows.>

<b>Laydown area details</b>		
Will laydown areas be required? If no, no further information is required.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Will the laydown area(s) be located at the same location as the campsite? If no, has the location(s) been discussed with the landowner?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

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Laydown will be located at (commercially provided) accommodation, outside of the respective tenement boundaries: Kingoonya Caravan Park for work within EL 6493 and Lake Everard Station shearer's quarters for work within EL 6288.			
What will be the maximum area (ha) required for the laydown area(s)?			ha
What will be the total area (ha) of vegetation clearance for the site?			ha
If vegetation clearance is required, describe the methods used to prepare the site.			
<Include text here.>			
Will any excavations be required? If yes, describe the purpose of the excavation and volume (m <sup>3</sup> ) of material to be excavated.		Yes <input type="checkbox"/>	No <input type="checkbox"/>
<Include text here.>			
<b>Proposed infrastructure (includes hydrocarbon and water storage requirements)</b>	<b>Quantity</b>	<b>Description/capacity</b>	
		<Tab to add rows.>	
Provide a description and justification of the location (e.g. previously cleared areas), and any other relevant information if required.			
All consumables and water storage are carried on support trucks.			

### Other exploration methods and/or ancillary operations

Are any other proposed exploration methods (e.g. seismic) and/or ancillary exploration operations required? If yes, describe the activity(s), site preparation, vegetation clearance, and safety and maintenance requirements.		Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
<If yes, include text here.>			

### Water supply and management

Will camp and/or drilling water be required? If yes, describe how and where water will be sourced for drilling, track maintenance and camping purposes (e.g. groundwater, surface water, mains). Provide details on the volume of water required and how wastewater or runoff water will be managed.		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
<ul style="list-style-type: none"> <li>Water use for the proposed program is minimal (approximately 1,000l per prospect). Water will be sourced from pastoralists by arrangement and on commercial terms.</li> <li>No water will be obtained from existing dams, water bores or mineral drillholes for drilling purposes unless by arrangement, see above.</li> <li>Water injection is used for dust suppression and downhole conditioning in small amounts and does not typically generate run-off.</li> <li>For AC drilling, water will be captured in above ground sumps. Waste water from AC drilling will be discharged into RC sumps.</li> <li>For RC drilling, any water will be captured in RC sumps.</li> </ul>			
Will surface water and/or mineral drillholes be used as a water source/supply? If yes, 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 ( <a href="#">DEW website</a> ). If a licence is required and has been obtained please attach a copy. Where a licence has not been obtained, include a statement confirming that a licence will be obtained before the extraction and/or usage of water.		Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
<Include text here.>			

### Groundwater and drilling investigation activities

Will any water bores be required and/or water investigation activities (e.g. pump testing, water monitoring sites, water storage, turkey nests/dams) be conducted? If yes, describe the water drilling and investigation activities, including site preparation, vegetation clearance, and safety and maintenance requirements.		Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
<If yes, include text here.>			
Indicate if well permits have been obtained and whether or not a water extraction licence is required in accordance with the Landscape South Australia Act 2019. If yes, attach a copy of the permit(s)/licences. If no, provide a statement confirming that permits/licences will be obtained prior to commencement of water investigation activities.		Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
<Include text here.>			

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### Water affecting activities

Will any water affecting activities, other than drilling a water well, be undertaken (refer to s. 127 of the Landscape South Australia Act 2019)? If yes, attach a copy of the permit. If a permit has not been obtained, provide a statement confirming that a water affecting activity permit(s) will be obtained and provide a description of the site preparation, vegetation clearance, and safety and maintenance requirements.	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
<If yes, include text here.>		

### Management of hazardous materials

Will activities be conducted in areas of known uranium and thorium mineralisation? If yes, attach a Radiation Management Plan and confirmation of endorsement of the plan by the Environment Protection Authority South Australia (EPA).	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Will any other hazardous material be encountered when exploring in the area? If yes, list the types of hazardous materials and provide a management plan on how these materials will be managed.	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
<If yes, include text here.>		

### Rehabilitation

Detail all the activities and strategies relating to the remediation of impacts associated with the proposed exploration operations. Completion of rehabilitation must be achieved within 3 months after the expiry of this PEPR.
<ul style="list-style-type: none"> <li>Drill access tracks, drillsites and sumps to be fully rehabilitated using inducted experienced field staff as supervisors to ensure station requirements and environmental conditions (as per PEPR) are met.</li> <li>All rubbish to be collected at each drill site and removed from site and disposed of at a designated waste disposal site (Woomera/Cungena).</li> <li>Drillholes will be decommissioned as detailed above.</li> <li>No drill cuttings are to be left exposed on surface.</li> <li>Casing (RC drillholes) will be cut-off below ground level, plugged and buried ~400mm below ground level.</li> <li>Drill sites will be shallow ripped as required (rake or scarifier) to promote seed germination. Any vegetation etc. previously removed to create the drill site will be spread back across the site.</li> <li>Sumps to be cordoned off at end of drilling if full of water. Sticks/branches placed around area to allow egress of small fauna particularly when still wet.</li> <li>Once dry, drill sumps will be filled in with excess cuttings, stockpiled subsoil and (finally) topsoil.</li> <li>A final check will be made and all rubbish (including cigarette butts, ear plugs, etc.) will be removed and dumped at an appropriate disposal facility. All sites will be photographed.</li> </ul>
<i>Total rehabilitation (tracks, pads, and drill holes) to be completed 3 months following the end date of approved PEPR.</i>
State the estimated budget required to rehabilitate impacted sites.
<ul style="list-style-type: none"> <li>AC and RC drill sites will be progressively rehabilitated throughout the drill program.</li> <li>The maximum number of unrehabilitated drill sites at any one time shall be less than 10 RC drill sites/drillholes and less than 30 AC drill sites/drillholes.</li> <li>RC drill sites will require backfilling of the sumps by a loader/skidsteer, once the sumps have dried out.</li> <li>Allowed for budget is \$15,000 for EL 6288 and \$10,000 for EL 6493.</li> </ul>

### Vegetation Clearance

Will any area of cleared native vegetation be unrehabilitated after the authorised period?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
If yes, provide a description of the vegetation present in the application area, the extent of the proposed vegetation clearance and the likelihood of the presence of threatened flora. Provide this information on a map.		
<Include text here.>		
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.		
<Include text here.>		

## SECTION E – LEASE CONDITIONS

### Retention leases

Where the retention lease includes specific conditions that are not environmental outcomes, demonstrate where these have been addressed in the PEPR (if relevant) or demonstrate how otherwise they have or will be complied with.

**SECTION F – MANAGEMENT OF ENVIRONMENTAL IMPACTS**

Use the table below (instructions provided) to identify all of the potential environmental, social and economic impact events that are likely to occur as a result of the proposed exploration operations, how each of the identified impacts will be managed, and the residual risk, i.e. the level of risk remaining after implementing control and management strategies. Identified potential impact events should be developed based on the aspects of the environment that may be impacted on and the proposed operational details. Potential impact events must have corresponding outcomes and measurement criteria.

Where the terms and conditions of an RL include environmental outcomes, list them (where different) in the table below and complete all sections (ie receptor, potential impacts, control strategies, risk assessment and measurement criteria).

**Environmental management – potential impacts/events, outcomes, measurable criteria and monitoring plan**

			Likelihood of consequence (LH)				
			1	2	3	4	5
			Rare	Unlikely	Possible	Likely	Almost certain
Severity of consequence (CQ)	A	Insignificant	Low	Low	Low	Low	Low
	B	Minor	Low	Low	Moderate	Moderate	Moderate
	C	Moderate	Moderate	Moderate	High	High	High
	D	Major	High	High	Extreme	Extreme	Extreme
	E	Catastrophic	High	Extreme	Extreme	Extreme	Extreme

**How to fill out the table**

- Based on the description of the environment and exploration operations, indicate which potential impacts are applicable to the proposed program. Note that some potential impacts are applicable to all programs.
- For each applicable potential impact (and corresponding receptor), describe control strategies that will reduce the risk of the potential impact to an acceptable level, and achieve the corresponding environmental outcomes.
- Conduct an impact assessment to determine if the control strategies address the potential impact (i.e. reduce the risk to an acceptable level). Indicate where there is uncertainty pertaining to the likely effectiveness of the control strategies. Where the risk is not considered low, provide justification that the risk is acceptable, or consider additional strategies to reduce the risk to an acceptable level.
- For each applicable potential impact, the corresponding outcome and outcome measurement criteria are required.
- Based on the description of the environment and proposed exploration activities, determine if any other potential impacts are applicable. For each new potential impact, describe proposed control and rehabilitation strategies, conduct an impact assessment, and develop corresponding outcomes and outcome measurement criteria.

Use the above matrix to conduct an impact assessment for each potential impact.

Impact assessment							Outcomes	Outcome measurement criteria (inc. monitoring plan)
Receptor	Potential impacts	Is the potential impact applicable (Yes/No)	Control strategies	Risk assessment				
Lists are not exhaustive.	Lists are not exhaustive.	Some potential impacts are applicable to all programs.	Indicate where there is uncertainty pertaining to the likely effectiveness of the control strategies. Where the risk is not considered low, provide justification that the risk is acceptable, or consider additional strategies to reduce the risk to an acceptable level. – refer to <a href="#">Minerals Regulatory Guidelines MG22</a> for more information.	LH	CQ	Risk		
Stakeholders: <ul style="list-style-type: none"> <li>freehold land owners</li> <li>perpetual lease holders</li> <li>pastoral lease holders</li> <li>Aboriginal land (Anangu Pitjantjatjara Yankunytjatjara and Maralinga Tjarutja lands)</li> <li>Department of Defence</li> <li>state government departments.</li> <li>local government (councils)</li> <li>federal government</li> <li>native title parties.</li> </ul>	Interference to: <ul style="list-style-type: none"> <li>existing or permissible land use (includes loss of income, noise, dust, light and other emissions).</li> <li>buildings, structures, existing tracks or other infrastructure.</li> <li>aesthetic values of an area.</li> </ul> Noncompliance with legislative requirements.  Loss of social licence to explore due to breakdown of relationship with land owners.	Yes (Applicable to all programs.)	<ul style="list-style-type: none"> <li>The Operator maintains:                             <ul style="list-style-type: none"> <li>Community Engagement Plan</li> <li>Community Engagment Register (includes issues and complaints register)</li> <li>Ongoing communication with landowners to minimise the disturbance on their agricultural businesses. In particular, this includes planning programs around significant station activities such as shearing and mustering.</li> </ul> </li> <li>The Operator has one designated landowner liaison officer for landowner communications and resolution of issues.</li> <li>Drillholes will be situated well away (i.e. &gt;150m) from infrastructure and &gt;400m from dwellings.</li> <li>Station tracks will be used to access the work areas. Existing/previous exploration tracks will be used where navigable to minimise impacting undisturbed areas.</li> <li>Where necessary, the condition of station tracks will be remediated to the satisfaction of the landowner upon completion of the program, as detailed in “Access to Work Areas”.</li> <li>Vehicle speed limits will be imposed to reflect conditions/ landowner instructions and the proximity to any infrastructure or stock.</li> <li>Along access tracks and at drill sites, tree branches may require trimming with a chainsaw to facilitate access and safe working space for the drill rigs.</li> </ul>	2	B	Low	<b>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.</b>	Provide the information requested within the ‘Complaints’ section of the annual exploration compliance report demonstrating that all reasonable complaints from stakeholders are resolved to the satisfaction of both parties prior to and ongoing during the course of exploration program, without the involvement of DEM.  Provide the information requested within the ‘Landowner details and liaison’ section of the annual exploration compliance report demonstrating that prescribed forms were served and agreements obtained in accordance with the Mining Act prior to the commencement of exploration activities.

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Impact assessment						Outcomes	Outcome measurement criteria (inc. monitoring plan)	
Receptor Lists are not exhaustive.	Potential impacts Lists are not exhaustive.	Is the potential impact applicable (Yes/No) Some potential impacts are applicable to all programs.	Control strategies Indicate where there is uncertainty pertaining to the likely effectiveness of the control strategies. Where the risk is not considered low, provide justification that the risk is acceptable, or consider additional strategies to reduce the risk to an acceptable level. – refer to <a href="#">Minerals Regulatory Guidelines MG22</a> for more information.	Risk assessment LH = likelihood of consequence CQ = severity of consequence				
				LH	CQ			Risk
Stakeholder: DEW	Interference to: <ul style="list-style-type: none"> <li>existing or permissible land use.</li> <li>buildings, structures, existing tracks or other infrastructure.</li> <li>aesthetic values of an area.</li> </ul> Noncompliance with legislative requirements.	Yes (Applicable to programs located adjacent to or within parks and reserves.)	<p>Yellabinna Recreational Reserve is immediately west of EL 6493 and separated from proposed work areas within EL 6493 by the Dog Fence (refer Map 1).</p> <p>Lake Everard and Lake Gairdner are part of the Lake Gairdner National Park which forms the northern and northeastern boundary of EL 6288. Lake Everard and Lake Gairdner are part of the Lake Gairdner National Park which forms the northern and northeastern boundary of EL 6288. The closest proposed work areas within EL 6288 are at Bimba Prospect, approximately 6km southeast of Lake Everard and 5.5km southwest of the Lake Gairdner (refer Map 2).</p> <ul style="list-style-type: none"> <li>Site inductions identify Yellabinna Regional Reserve and Lake Gairdner National Park and include prohibition on unauthorised access to Environmentally Sensitive Areas (includes Lake Gairdner NP, Yellabinna Regional Reserve and interference with park management activities).</li> </ul>	1	B	Low	<p><b>For activities located within or adjacent to regional reserves, national, conservation and marine parks only:</b></p> <ul style="list-style-type: none"> <li><b>no unauthorised interference with park management activities.</b></li> </ul>	<p>Provide confirmation that:</p> <ul style="list-style-type: none"> <li>Park access notification forms were submitted to DEW and DEM at least 10 days prior to entry into regional reserves, national, conservation and marine parks, or</li> <li>Program notifications for PEPRs approved for an ongoing period of time, were submitted to DEW and the DEM at least 21 days prior to entry into regional reserves, national, conservation and marine parks.</li> </ul>
Flora and fauna and their habitats; includes Commonwealth and state scheduled species.	Loss/modification of native vegetation and associated habitats through the clearance of vegetation.	Yes (Applicable to exploration programs located within or impacting on native vegetation.)	<ul style="list-style-type: none"> <li>To minimise impacts on flora and fauna habitats, where access tracks are required to pass through vegetated areas, potential access routes will be assessed to choose the route of least impact and where practical, the drill site location modified.</li> <li>An Operator representative will pace the proposed route ahead of any machinery or vehicles to establish the route is clear of significant flora and fauna or animal habitats, specifically including Significant Fauna such as: <ul style="list-style-type: none"> <li>Sharp-tailed Sandpiper (<i>Calidris acuminata</i>)</li> <li>Southern Whiteface (<i>Aphelocephala leucopsis</i>)</li> <li>Malleefowl (<i>Leipoa ocellata</i>)</li> </ul> known to occur in the Lake Everard and Wilgena areas.</li> <li>Similarly, prior to the first pass of vehicles, particular attention will be paid to avoid impacting Significant flora detailed in Section C above.</li> <li>Observed significant flora and fauna habitats will be avoided in favour of alternative routes and documented for future reference and training.</li> <li>Where access tracks are required to pass through vegetated areas, tree branches may require trimming with a chainsaw to facilitate drill site access/working space for the drill rig. Vegetation trimming will be limited to as little as is necessary to gain access. Workers will be reminded that vegetation may still be moisture stressed and could snap easily, rather than springing back.</li> <li>Data for the entire tenement from NatureMaps and Atlas of Living Australia has been incorporated with the Operator's GIS databases and was interrogated during project planning to become familiar with presence of the various significant flora and fauna species in drilling areas.</li> <li>Atlas of Living Australia reports on on the significant flora and fauna present or likely to be present at proposed work sites will be kept on site and made available to staff, visitors, and contractors.</li> <li>Site inductions will cover the importance of minimising site disturbance and compaction by restricting vehicle movement frequency and to designated work sites and tracks.</li> </ul>	2	C	Moderate	<p><b>No permanent loss/modification of native flora and fauna populations and their habitats through:</b></p> <ul style="list-style-type: none"> <li>clearance</li> <li>fire</li> <li>other</li> </ul> <p><b>unless prior approval under the relevant legislation is obtained.</b></p>	<p>Maintain before, during and after photographic evidence of all exploration sites (e.g. drillsites, new track exit/entry points off existing tracks, costeans, campsites) demonstrating that:</p> <ul style="list-style-type: none"> <li>The area and method of disturbance is consistent with that described in the PEPR.</li> <li>No uncontrolled fires* occurred as a result of exploration activities.</li> </ul> <p>Representative photos to be included within the annual exploration compliance report.</p>

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Impact assessment						Outcomes	Outcome measurement criteria (inc. monitoring plan)	
Receptor Lists are not exhaustive.	Potential impacts Lists are not exhaustive.	Is the potential impact applicable (Yes/No) Some potential impacts are applicable to all programs.	Control strategies Indicate where there is uncertainty pertaining to the likely effectiveness of the control strategies. Where the risk is not considered low, provide justification that the risk is acceptable, or consider additional strategies to reduce the risk to an acceptable level. – refer to <a href="#">Minerals Regulatory Guidelines MG22</a> for more information.	Risk assessment LH = likelihood of consequence CQ = severity of consequence				
				LH	CQ			Risk
			<ul style="list-style-type: none"> <li>Ground that has been significantly compacted will be lightly scarified and/or back graded along the contour to loosen the soil to encourage rapid regeneration of vegetation (per Earth Resources Information Sheet M33: Statement of environmental objectives and environmental guidelines for mineral exploration activities in South Australia).</li> </ul>					
All flora and fauna, especially listed species.	Loss/modification of the environment (biological, social and economic) through the introduction of weeds and pathogens.	Yes (Applicable to all programs.)	<ul style="list-style-type: none"> <li>Conduct Weed and Seed inspections of all vehicles/ machinery/ equipment entering the drilling sites to ensure vehicles are clean before entering a new site.</li> <li>Restrict vehicle movements to existing and identified proposed access tracks/drill sites.</li> <li>Inspect footwear and clothing to remove/dispose of any weed seed.</li> <li>Follow applicable advice in the SA Department of Primary Industries and Regions (PIRSA) Fact Sheet – Buffel Grass Hygiene.</li> </ul>	2	B	Low	<p><b>No introduction of new species of weeds and plant pathogens, nor increase in abundance of existing weeds species.</b></p> <p>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 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.</li> </ul>	
All fauna	Entrapment of fauna through open drillholes and excavations.	Yes (Applicable to exploration programs that involve drilling and/or require excavations.)	<ul style="list-style-type: none"> <li>Construction of sumps will include at least one sloped edge to facilitate the egress of any animals that may fall into the sump.</li> <li>Drillholes will be decommissioned as detailed in Section D, above.</li> <li>Sumps to be cordoned off at end of drilling if full of water. Sticks/branches placed around area to allow egress of small fauna particularly when still wet.</li> <li>Once dry, drill sumps will be filled in with excess cuttings, stockpiled subsoil and (finally) topsoil (stockpiled separately).</li> </ul>	3	B	Low	<p><b>No fauna traps created as a result of exploration activities.</b></p> <p>Maintain before, during and after photographic evidence of all drillholes and/or excavations demonstrating that:</p> <ul style="list-style-type: none"> <li>All drillholes were permanently or temporarily capped/plugged immediately upon completion.</li> <li>No fauna and livestock became trapped in drillholes and/or excavations throughout the duration of the program.</li> <li>All rehabilitation was completed within 3 months of expiry of the PEPR approval (for PEPRs approved for a period of 12 months), or 3 months after the expiry of a program notification (for PEPRs approved for an ongoing period), unless otherwise authorised.</li> </ul> <p>Representative photos are to be included within the annual exploration compliance report.</p> <p>Provide the information requested within the 'Rehabilitation' section of the annual exploration compliance report.</p>	
Aboriginal heritage sites	Disturbance to Aboriginal heritage.	Yes (Applicable to all programs.)	<ul style="list-style-type: none"> <li>All vehicle movements are to be limited to station and existing tracks where possible.</li> <li>Search of the Central Archive undertaken for EL 6493 and EL 6288 on 07/03/2025</li> <li>Cultural Heritage Clearance Survey undertaken by GRAC and managed by Australian Heritage Services (14-18 May 2025) and report provided to the Operator, prior to access track/drill site preparation</li> <li>Operator to conduct cultural awareness training with the Native Title holder as required.</li> <li>All personnel will be reminded of the possibility of heritage sites existing and the importance of not disturbing any such sites during the induction process.</li> <li>Heritage sites identified during the clearance survey process will be flagged in the field and avoided.</li> <li>Personnel will be notified of the location of heritage sites on a need to know basis.</li> <li>Site Induction and Cultural Heritage Management Plan include: <ul style="list-style-type: none"> <li>Summary of responsibilities of all persons under the Aboriginal Heritage Act 1988</li> <li>AAR Discovery Protocols</li> </ul> </li> </ul>	2	B	Low	<p><b>No disturbance to Aboriginal artefacts or sites of significance unless prior approval under the relevant legislation is obtained.</b></p> <p>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 during the exploration program were appropriately recorded and reported to authorities, if not previously known.</li> </ul>	

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Impact assessment						Outcomes	Outcome measurement criteria (inc. monitoring plan)	
Receptor	Potential impacts	Is the potential impact applicable (Yes/No)	Control strategies	Risk assessment				
Lists are not exhaustive.	Lists are not exhaustive.	Some potential impacts are applicable to all programs.	Indicate where there is uncertainty pertaining to the likely effectiveness of the control strategies. Where the risk is not considered low, provide justification that the risk is acceptable, or consider additional strategies to reduce the risk to an acceptable level. – refer to <a href="#">Minerals Regulatory Guidelines MG22</a> for more information.	LH	CQ			Risk
European heritage sites and sites of scientific and environmental significance	Disturbance to European heritage sites and sites of scientific and environmental significance (e.g. geological monuments, fossil reserves).	No (Applicable to exploration programs located close to or within European heritage sites and sites of scientific and environmental significance.)	<ul style="list-style-type: none"> <li>Lake Everard Station Rhyolite Dyke (Monument No. 984) is east of EL 6288 and approximately 8km from the nearest proposed work area and is not accessed by station tracks.</li> <li>Site induction includes prohibition on unauthorised access to Environmentally Sensitive Areas (includes Lake Everard Station Rhyolite Dyke).</li> </ul>	1	B	Low	<p><b>No disturbance to European heritage sites and to sites of scientific and environmental significance unless prior approval under the relevant legislation is obtained.</b></p> <ul style="list-style-type: none"> <li>Maintaining evidence, including detailed maps showing sites compared to the location of exploration activities, and photographic evidence of sites before and after the conduct of the exploration program.</li> <li>Providing a statement within the annual exploration compliance report confirming sites were not impacted during the conduct of the exploration program.</li> </ul>	
Soil/vegetation/fauna	Soil/vegetation contamination (e.g. hydrocarbons, rubbish, drill samples/cuttings, ablutions, other sources).	Yes (Applicable to all programs.)	<ul style="list-style-type: none"> <li>Drill samples to be contained within (industry standard) UV-stable plastic bags, placed in rows at the edge of the drillsite.</li> <li>Upon completion of each drillhole, drill chips are returned downhole and the plastic sample bags collected for disposal.</li> <li>Any drill samples unable to be returned downhole will be emptied into a dried (RC drilling) sump which shall then be rehabilitated along with the drill site.</li> <li>Site inductions cover post-drilling site rehab/clean-up.</li> <li>Mechanized equipment is inspected for leaks before use.</li> <li>Regular inspection of sites and tracks with feedback to drillers as to standards expected (supervisors, station staff, etc.).</li> <li>Hydrocarbon spill kit readily available at each site and immediately deployed in the event of a spill.</li> <li>Contaminated soil to be collected in sample bags (above) and disposed of at an EPA approved facility.</li> </ul>	2	B	Low	<p><b>No contamination of soil and vegetation as a result of exploration activities.</b></p> <p>Demonstrate that all domestic or industrial waste (includes general rubbish and hydrocarbons) is disposed of in accordance with the <i>Environment Protection Act 1993</i> within 3 months of the expiry of the PEPR approval (for PEPRs approved for a period of 12 months), or 3 months after the expiry of a program notification (for PEPRs approved for an ongoing period), and that all fuel and chemicals are stored in accordance with EPA requirements, by providing:</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 requirements.</li> </ul> <p>Maintain photographs of all exploration sites and provide representative photos within the annual exploration compliance report demonstrating that drill cuttings are:</p> <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, <a href="#">Radiation protection guidelines on mining in South Australia: mineral exploration</a>, available on the EPA website, or</li> <li>backfilled down the drillhole, within 3 months of the expiry of the PEPR approval (for PEPRs approved for a period of 12 months), or 3 months after the expiry of a program notification (for PEPRs approved for an ongoing period), unless otherwise authorised.</li> </ul> <p>Provide the information requested within the 'Rehabilitation' section of the annual exploration compliance report.</p>	
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).	Yes (Applicable to all programs.)	<ul style="list-style-type: none"> <li>All vehicle movements are to be limited to existing station tracks where possible.</li> <li>Dried out RC drill sumps to be backfilled in correct order, (subsoil first, then topsoil replaced last).</li> <li>Access tracks will be established after consultation with the landowner and per their instructions.</li> <li>Where possible, access tracks will be located on harder ground and take advantage of natural clearings (per discussions with landowners), in order to minimise impact.</li> <li>Tracks to follow the contours of the land wherever possible rather than directly over hills,</li> <li>Avoid or minimise the number of sharp corners on tracks</li> <li>Ensure runoff from track surface is able to occur and the track does not become the drainage line during heavy rainfall</li> <li>To minimise impact on vegetation where access tracks are required to pass through vegetated areas, potential access routes will be assessed to choose the route of least impact and where necessary the drill site location modified.</li> </ul>	3	B	Moderate	<p><b>Where soil disturbance occurs as a result of exploration activities, ensure that:</b></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 approved for an ongoing period), unless otherwise authorised.</li> <li>Where required, sufficient topsoil is removed (depending on soil profile), stored separately from subsoil and reinstated (in the correct order) within 3 months of the expiry of the PEPR approval (for PEPRs approved for a period of 12 months), or 3 months after the expiry of a program notification (for PEPRs approved for an ongoing period), unless otherwise authorised.</li> <li>There are no signs of accelerated soil erosion during and post rehabilitation of disturbed sites.</li> </ul> <p>Representative photos to be included within the annual exploration compliance report.</p> <p>Provide the information requested within the 'Rehabilitation' section of the annual exploration compliance report.</p>	

Exploration PEPR application – 12-month period

Impact assessment							Outcomes	Outcome measurement criteria (inc. monitoring plan)
Receptor Lists are not exhaustive.	Potential impacts Lists are not exhaustive.	Is the potential impact applicable (Yes/No) Some potential impacts are applicable to all programs.	Control strategies Indicate where there is uncertainty pertaining to the likely effectiveness of the control strategies. Where the risk is not considered low, provide justification that the risk is acceptable, or consider additional strategies to reduce the risk to an acceptable level. – refer to <a href="#">Minerals Regulatory Guidelines MG22</a> for more information.	Risk assessment LH = likelihood of consequence CQ = severity of consequence				
				LH	CQ	Risk		
			<ul style="list-style-type: none"> <li>Any significant compaction/wheel ruts from vehicle movement will be rehabilitated in consultation with the landowners and with earthmoving machinery as required</li> <li>Site rehabilitation (including sumps) will occur as soon as possible after drilling is completed.</li> <li>Top soil and subsoil to be separated wherever clearing occurs, though the limited topsoil can be difficult to separate.</li> </ul>					
Surface water	Alteration to surface water – interference to surface drainage.	No (Applicable to exploration programs that are likely to impact on surface drainage channels.)	Not applicable				<b>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).</b>	Provide before, during and after photographic evidence within the annual exploration compliance report demonstrating that original drainage contours (watercourses and lakes) are consistent with the natural relief post rehabilitation within 3 months of the expiry of the PEPR approval (for PEPRs approved for a period of 12 months), or 3 months after the expiry of a program notification (for PEPRs approved for an ongoing period).  Alternatively, provide copies of water affecting permits within the annual exploration compliance report.
Groundwater/aquifer	Groundwater contamination: <ul style="list-style-type: none"> <li>contamination of aquifers through entry of pollutants from the surface</li> <li>interconnection between aquifers</li> <li>degradation of natural hydrostatic conditions (maintain pre-drilling pressures).</li> </ul>	Yes (Applicable to all exploration programs that may intersect groundwater.)	<ul style="list-style-type: none"> <li>Predominant groundwater conditions within EL 6493 and EL 6288 are unconfined Fractured Rock aquifers – Cambrian and Precambrian rocks – quartzite, sandstone, limestone, dolomite, slate, marble, siltstone, phyllite, schist and gneiss</li> <li>Drillholes will be backfilled as per <i>M21: Mineral Exploration Drillholes - General specifications for construction and backfilling</i>, refer to information above in Drillhole construction and decommissioning, Section D.</li> <li>In particular, drillhole which penetrate confined aquifers will be grouted per M21 specifications.</li> </ul>	2	B	Low	<b>Drillholes restored to controlling geological conditions that existed before the hole was drilled or, where it is intended to re-enter the hole, the hole must be completed with casing of adequate strength and the casing cemented so that all aquifers are isolated to prevent the movement of any fluids behind the casing.</b>	Maintain evidence demonstrating that drillholes are decommissioned in accordance with Earth Resources Information Sheet M21, <a href="#">Mineral exploration drillholes – general specifications for construction and backfilling</a> , and/or specific conditions from DEW (Groundwater) within 3 months of the expiry of the PEPR approval (for PEPRs approved for a period of 12 months), or 3 months after the expiry of a program notification (for PEPRs approved for an ongoing period), unless otherwise authorised.  Provide the information requested within the ‘Groundwater’ section of the annual exploration compliance report.
Soil/vegetation/fauna	Discharge of groundwater into the surrounding environment.	Yes (Applicable to all exploration programs that may intersect groundwater or where activities require the discharge of groundwater into the surrounding environment.)	<ul style="list-style-type: none"> <li>Above-ground sumps will be used in AC drilling.</li> <li>Any groundwater intersected during RC drilling will be contained in in-ground sumps during RC drilling only.</li> <li>Wastewater from (AC drilling) above-ground sumps will be discharged into RC drill sumps.</li> <li>If required, drilling operations will temporarily cease to ensure that no groundwater escapes beyond (containment at) the drill site.</li> <li>Holes will be backfilled as per M21: Mineral Exploration Drillholes - General specifications for construction and backfilling refer to information above in Drillhole construction and decommissioning, Section D.</li> </ul>	2	B	Low	<b>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.</b>	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.
Groundwater users	Interference to existing water users when extracting water from existing dams, water bores or mineral drillholes.	No (Applicable to all exploration programs that may require the use of water from existing dams, water	<ul style="list-style-type: none"> <li>Water use for the proposed program is minimal (approximately 1,000l per site).</li> <li>Water will be sourced from pastoralists by arrangement and on commercial terms.</li> <li>No water will be obtained from existing dams, water bores or mineral drillholes for drilling purposes unless by arrangement, see above.</li> </ul>	2	B	Low	<b>No public nuisance impacts resulting from the extraction of water for exploration purposes, unless prior approval under the relevant legislation is obtained.</b>	Provide the information requested within the ‘Complaints’ section of the annual exploration compliance report demonstrating that all reasonable complaints from stakeholders were resolved to the satisfaction of both parties, prior to and ongoing during the course of the exploration program without the involvement of DEM.  Where permits are required for the extraction and/or usage of groundwater, provide copies of the licence or permit within the annual exploration compliance report.

Exploration PEPR application – 12-month period

Impact assessment							Outcomes	Outcome measurement criteria (inc. monitoring plan)
Receptor Lists are not exhaustive.	Potential impacts Lists are not exhaustive.	Is the potential impact applicable (Yes/No) Some potential impacts are applicable to all programs.	Control strategies Indicate where there is uncertainty pertaining to the likely effectiveness of the control strategies. Where the risk is not considered low, provide justification that the risk is acceptable, or consider additional strategies to reduce the risk to an acceptable level. – refer to <a href="#">Minerals Regulatory Guidelines MG22</a> for more information.	Risk assessment LH = likelihood of consequence CQ = severity of consequence				
				LH	CQ	Risk		
		bores or mineral drillholes.)						
Soil/vegetation/fauna	Degradation of rehabilitated access tracks caused by third party access (includes previously closed and rehabilitated access tracks).	Yes (Applicable to exploration programs that create new access tracks.)	<ul style="list-style-type: none"> <li>Drilling will occur on remote, pastoral land, &gt;40km from main roads, meaning the chance of unauthorised third-party access is extremely low.</li> <li>Rehabilitation of new access tracks will include dragging logs and branches and vegetable matter over tracks to inhibit/discourage access from all parties and encourage rapid regeneration of vegetation.</li> <li>Access tracks across grazing land will be rehabilitated per Earth Resources Information Sheet M33: Statement of environmental objectives and environmental guidelines for mineral exploration activities in South Australia e.g. lightly scarify where appropriate.</li> <li>Entry points to new access tracks within native vegetation will be disguised with remnant vegetation and tree branches strewn across tracks to prevent discovery and third-party access and encourage rapid regeneration of vegetation.</li> <li>Photographic documentation will provide evidence of rehabilitation.</li> <li>Historic exploration tracks are present within EL 6288 and EL 6493 and neither showed signs of recent use by third parties during reconnaissance trips undertaken to prepare this application.</li> </ul>	2	B	Low	<b>Rehabilitated access tracks remain permanently closed, unless prior approval under the relevant legislation is obtained.</b>	<p>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.</p> <p>Representative photos are to be included within the annual exploration compliance report.</p> <p>Provide the information requested within the 'Rehabilitation' section of the annual exploration compliance report.</p>
Community/landowners	Damage to infrastructure and loss of income through fire.	Yes (Applicable to all programs.)	<ul style="list-style-type: none"> <li>The CFS website will be monitored before and during the program, with no drilling on Total Fire Ban days, in order to minimise the risk of loss of vegetation and habitats through fire.</li> <li>Risk assessment and landowner consultation conducted prior to entering the land on Extreme or Catastrophic Fire Danger days</li> <li>Extreme Weather Policy</li> <li>Principal Mining Hazard Management Plan (identifies bush fire as a principal mining hazard for the Operator's exploration projects)</li> <li>Isolation and Tagging Policy (for faulty equipment)</li> <li>Rig Audit (includes fire extinguishers/suppression)</li> <li>Light Vehicle Pre-start (includes fire extinguisher checks)</li> </ul>	1	B	Low	<b>No loss of infrastructure or income through fire as a result of exploration activities.</b>	<p>Provide a statement within the 'Compliance with approved programs' section of the annual exploration compliance report confirming that no uncontrolled fires* occurred.</p> <p>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>
General public	Injury or death to members of the public as a result of exploration activities.	Yes (Applicable to all programs.)	<ul style="list-style-type: none"> <li>The proposed work area is remote pastoral land and &gt;40km from public roads.</li> <li>As part of site induction, contractors will be informed that active drilling and machine operation will stop when members of the public are on site (inside the area delineated by site signage).</li> <li>Signage will be placed at site entry, advising no unauthorised entry and the mandatory PPE required to enter the site.</li> <li>Members of the public shall be managed by the Company Site Representative and shall not be unattended within the area delineated by site signage at any time.</li> <li>Maximum speed limit around work sites is 20km/h</li> <li>Note that whilst the likelihood of such an incident occurring is rated as rare, the consequence has been rated as Catastrophic, producing a risk ranking of 'High'. This is deemed acceptable by the Operator, given the extremely</li> </ul>	1	E	High	<b>No accidents involving the public that could have been reasonably prevented by the licensee.</b>	<p>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.</p> <p>If an accident involving the public did occur, provide a copy of the independent investigation report within the annual exploration compliance report demonstrating that the licensee could not have reasonably prevented the accident through the implementation of precautionary measures.</p>

Exploration PEPR application – 12-month period

Impact assessment						Outcomes	Outcome measurement criteria (inc. monitoring plan)	
Receptor Lists are not exhaustive.	Potential impacts Lists are not exhaustive.	Is the potential impact applicable (Yes/No) Some potential impacts are applicable to all programs.	Control strategies Indicate where there is uncertainty pertaining to the likely effectiveness of the control strategies. Where the risk is not considered low, provide justification that the risk is acceptable, or consider additional strategies to reduce the risk to an acceptable level. – refer to <a href="#">Minerals Regulatory Guidelines MG22</a> for more information.	Risk assessment LH = likelihood of consequence CQ = severity of consequence				
				LH	CQ			Risk
			low likelihood, and the safety measures and level of supervision that will be present during operations.					
General public, employees, contractors and the environment	Contamination of the environment when exploring for known uranium and thorium deposits.  Public and employee/contractor exposure to low level radiation.	No (Applicable to exploration programs located within known uranium or thorium deposits.)	Not applicable				<p><b>No increase in background radiation levels, and employee/contractor exposure levels during the exploration program are within safe limits.</b></p> <p>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>• Radiation levels post exploration and rehabilitation are consistent with pre-existing background levels.</li> <li>• Employee and contractors exposure levels were within safe limits during the exploration program.</li> </ul>	
Other (if applicable)								

\* Uncontrolled fires = fires that escape outside of the work area (e.g. drillsite).

† Properties = freehold (cropping and grazing land); perpetual/pastoral lease land; council land; regional reserves; national, conservation and marine parks; Aboriginal land; Commonwealth land etc.

**SECTION G - OPERATOR CAPABILITY**

Provide information demonstrating that the tenement holder and operator (where applicable) has the capability to conduct the program in a manner that consistently ensures ongoing achievement of the environmental outcomes. This may be demonstrated within the PEPR by providing an overview of the following:

- Manuals or standard operating procedures that outline the safe and environmentally sound operation of all critical operations associated with the exploration program that ensure compliance with the PEPR.
- Systems in place to monitor, audit and assess compliance against the criteria approved in the PEPR.
- Systems in place to identify and report any noncompliance with regulatory requirements or relevant environmental outcomes (e.g. measures in place to report incidents in accordance with regulation 79(3)).
- Practices and procedures in place to provide appropriate communication of regulatory requirements to employees and contractors (e.g. induction programs).
- Practices and procedures in place to respond to, and communicate with landowners and external parties on the proposed program and compliance matters (e.g. complaints)

The Operator maintains the following:

- *Gawler Craton Projects Site Induction (including explicitly detailing the controls referred to in Section F, above)*
- *Geological Manual (includes Standard Operating Procedures for geological activities)*
- *General Field Work Safe Work Procedure (SWP)*
- *Light Vehicle SWP*
- *Rehabilitation SWP*
- *Hazard Identification and Management Procedure*
- *Incident Reporting and Investigation Procedure*
- *Community Engagement Plan*
- *Stakeholder Engagement Register*
- *Complaint Management Procedure*

**SECTION H –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.

<Include text here.>

**SECTION I – PHOTOS**

Include photographs in this section:

- that have been obtained during site visits
- that help describe relevant environmental and operational aspects in the PEPR.

*To insert photos, copy and paste the photo into the template below. Resize photos to fit page width. Ensure that all information about each photo is completed and refer to the photo number in the relevant section of the PEPR.*

Site identification	Date taken	Photo number & PEPR section reference	Easting (GDA94)	Northing (GDA94)	Zone	Details and Comments
Arcoordaby Prospect, EL 6493	20/03/2025	Photo 1 (Drill Site Preparation, Section D)	~485,800	~6,565,300	53	Photograph shows relatively low density vegetation and historic impact, Arcoordaby Prospect.



Exploration PEPR application – 12-month period

Site identification	Date taken	Photo number & PEPR section reference	Easting (GDA94)	Northing (GDA94)	Zone	Details and Comments
Arcoordaby Prospect, EL 6493	20/03/2025	Photo 2 (Drill Site Preparation, Section D)	~485,800	~6,565,300	53	Photograph shows relatively low density vegetation and historic impact, Arcoordaby Prospect.



Exploration PEPR application – 12-month period

Site identification	Date taken	Photo number & PEPR section reference	Easting (GDA94)	Northing (GDA94)	Zone	Details and Comments
Tunkillia North Prospect, EL 6493	20/03/2025	Photo 3 (Drill Site Preparation, Section D)	471400	6,562,300	53	Typical vegetation coverage at Tunkillia North Prospect



Exploration PEPR application – 12-month period

Site identification	Date taken	Photo number & PEPR section reference	Easting (GDA94)	Northing (GDA94)	Zone	Details and Comments
Tunkillia North Prospect, EL 6493	20/03/2025	Photo 4 (Drill Site Preparation, Section D)	471,100	6,562,400	53	Historic exploration tracks at Tunkillia North Prospect



Exploration PEPR application – 12-month period

Site identification	Date taken	Photo number & PEPR section reference	Easting (GDA94)	Northing (GDA94)	Zone	Details and Comments
Bimba Prospect, EL 6288	22/03/2025	Photo 5 (Drill Site Preparation, Section D)	482,052	6,502,210	53	Typical vegetation coverage at Bimba Prospect



Exploration PEPR application – 12-month period

Site identification	Date taken	Photo number & PEPR section reference	Easting (GDA94)	Northing (GDA94)	Zone	Details and Comments
Bimba Prospect, EL 6288	22/03/2025	Photo 6 (Drill Site Preparation, Section D)	481,285	6,502,250	53	Typical historical exploration track and vegetation coverage at Bimba Prospect.



Exploration PEPR application – 12-month period

Site identification	Date taken	Photo number & PEPR section reference	Easting (GDA94)	Northing (GDA94)	Zone	Details and Comments
Sheoak North Prospect, EL 6288	23/03/2025	Photo 7 (Drill Site Preparation, Section D)	480,107	6,496,410	53	Historical exploration tracks and typical low vegetation coverage at Sheoak North Prospect. Note, Sheoak East is 1.3km southeast of Sheoak North, with similar vegetation.



Exploration PEPR application – 12-month period

Site identification	Date taken	Photo number & PEPR section reference	Easting (GDA94)	Northing (GDA94)	Zone	Details and Comments
Sheoak Prospect	23/03/2025	Photo 8 (Drill Site Preparation, Section D)	~6,493,400	~479,100	53	Typical vegetation coverage at Sheoak Prospect.



## SECTION J – MAPS

Provide a map(s) showing the following information that is located adjacent to or within the proposed area of operations, where applicable:

- tenement boundaries,
- cadastral information,
- existing surface contours,
- existing vegetation,
- location of the proposed exploration operations (includes drillholes, existing and new access tracks, drill traverses, campsites, laydown areas and other applicable information) and/or the target exploration area(s),
- location of existing ephemeral and permanent rivers, creeks, swamps, streams or watercourses and water management structures,
- location of towns, houses and homesteads, existing roads, rails, fences, transmission lines, buildings, dams and pipelines
- known sightings of listed species,
- location and extent of all environmentally sensitive areas,
- any relevant land use types (e.g. parks and reserves, Aboriginal freehold land, Woomera Prohibited Area).

All maps and sections must conform to the standards outlined in the Exploration PEPR Terms of Reference.

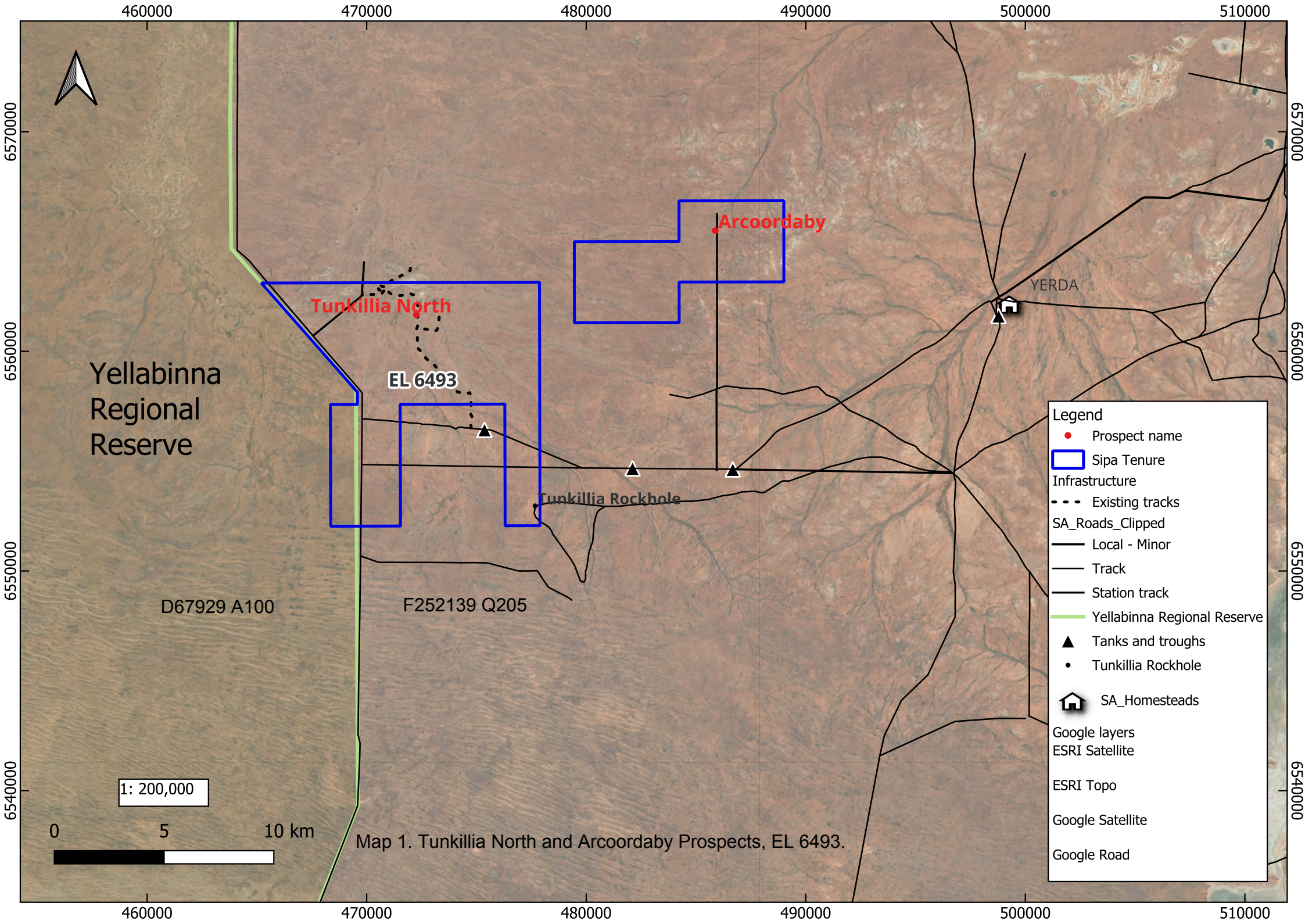
## SECTION K – PUBLIC RELEASE

PEPR documents will be registered on the mining register and publicly released in full without the need to request consent from the tenement holder(s). Ultimately, it is the applicant's responsibility to ensure that confidential, or commercially sensitive, information is not included within the PEPR application.

## SECTION L – SUBMISSION OF THE APPLICATION

An application for an Exploration PEPR or PEPR review, must be submitted in the following form, unless otherwise specified by the Director of Mines or an authorised officer:

- an electronic version of the PEPR must be submitted using the exploration PEPR template(s) provided on the DEM Minerals website,
- the electronic version must be submitted online through the DEM Minerals website using the exploration PEPR submission form,
- the electronic version must be submitted in one single Acrobat PDF file, and
- Microsoft Word-compatible files must be submitted if requested by the Director of Mines (or delegate), or other authorised officers.

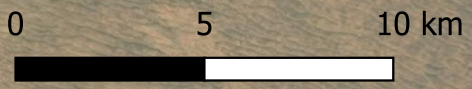


**Legend**

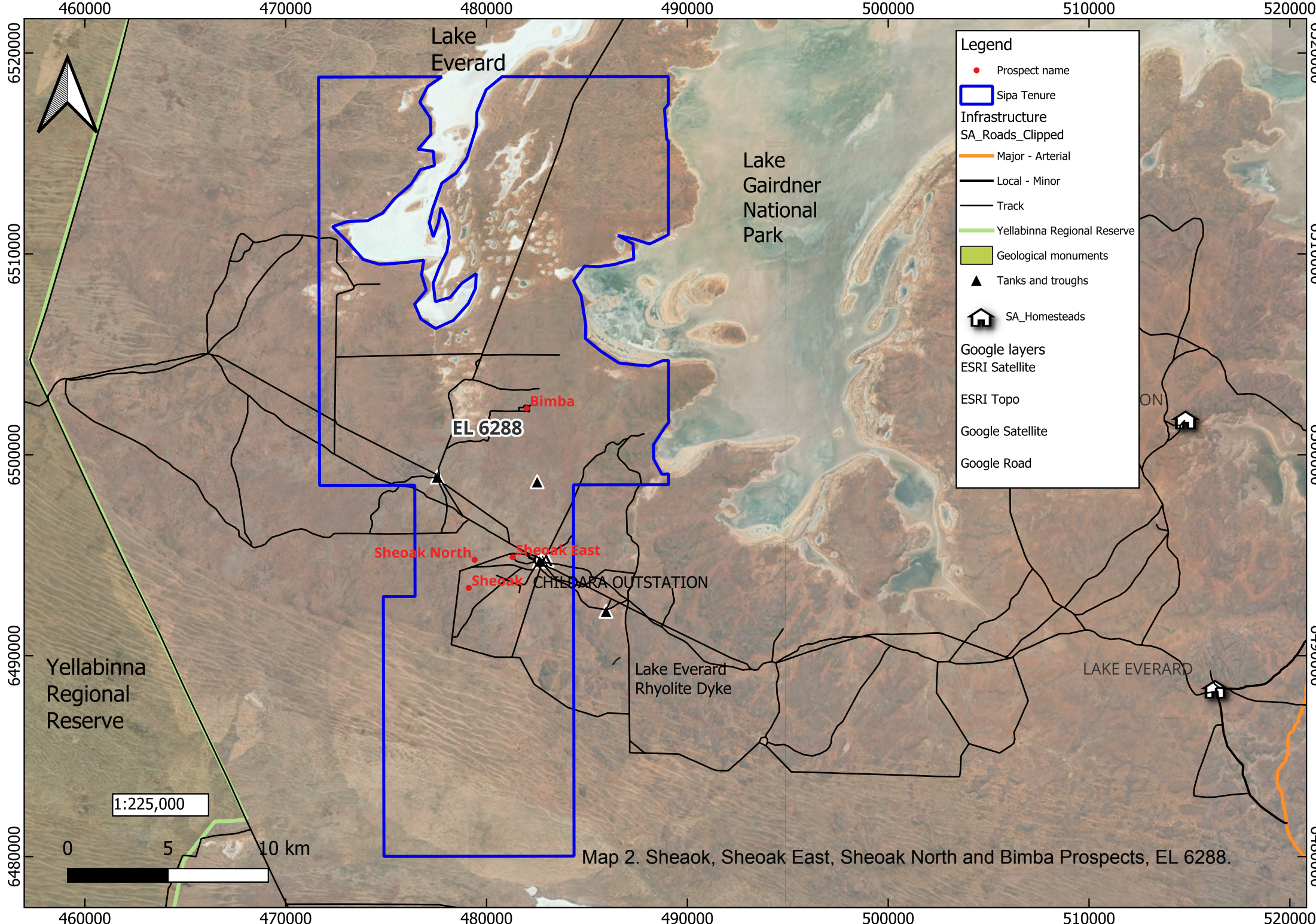
- Prospect name
- Sipa Tenure
- Infrastructure
- - - Existing tracks
- SA\_Roads\_Clippped
- Local - Minor
- Track
- Station track
- Yellabinna Regional Reserve
- ▲ Tanks and troughs
- Tunkillia Rockhole
- 🏠 SA\_Homesteads

Google layers  
 ESRI Satellite  
 ESRI Topo  
 Google Satellite  
 Google Road

1: 200,000



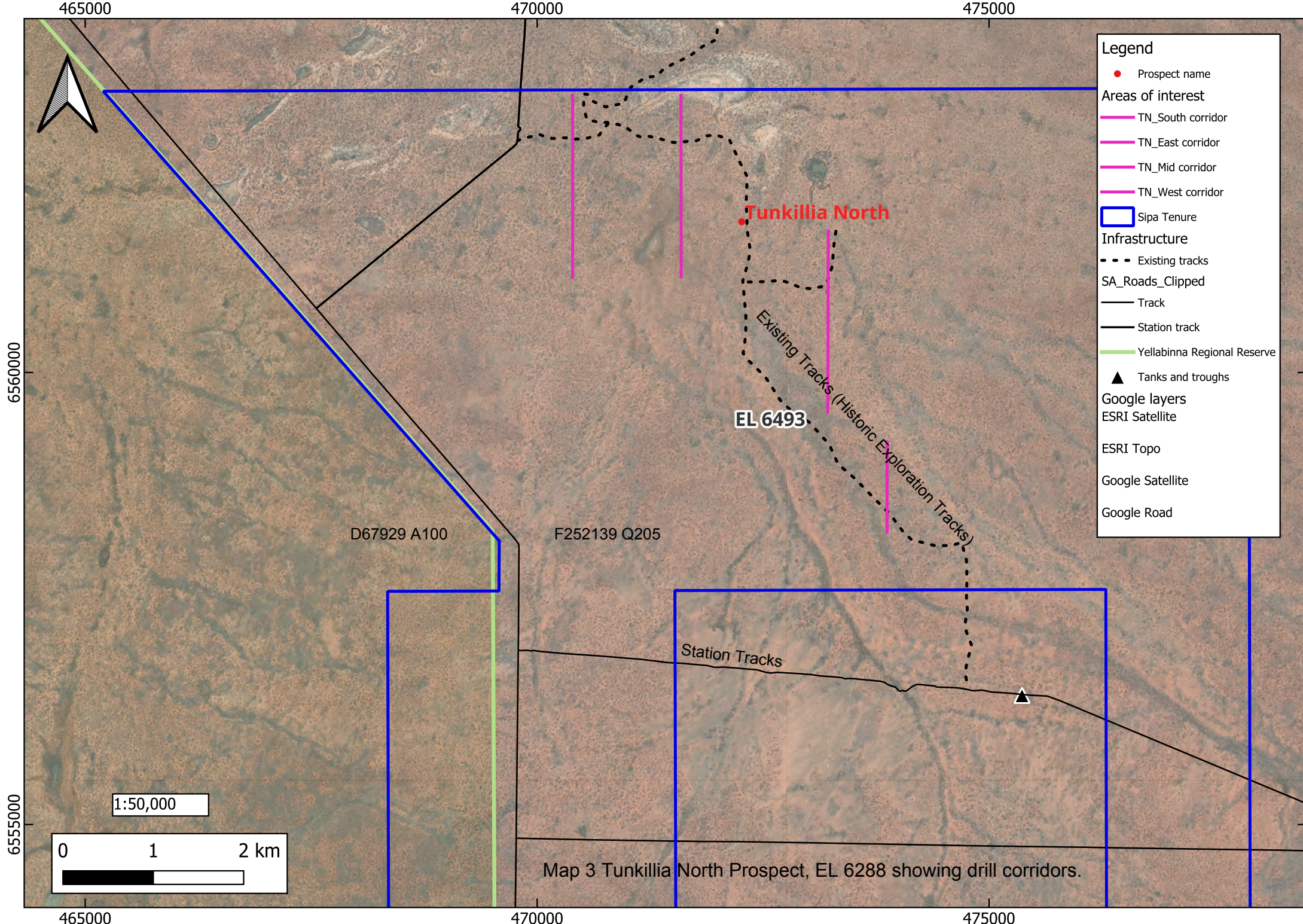
Map 1. Tunkillia North and Arcoordaby Prospects, EL 6493.



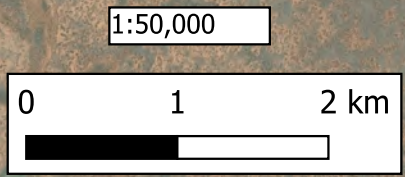
**Legend**

- Prospect name
- Sipa Tenure
- Infrastructure**
- SA\_Roads\_Clippped
  - Major - Arterial
  - Local - Minor
  - Track
- Yellabinna Regional Reserve
- Geological monuments
- ▲ Tanks and troughs
- 🏠 SA\_Homesteads
- Google layers**
- ESRI Satellite
- ESRI Topo
- Google Satellite
- Google Road

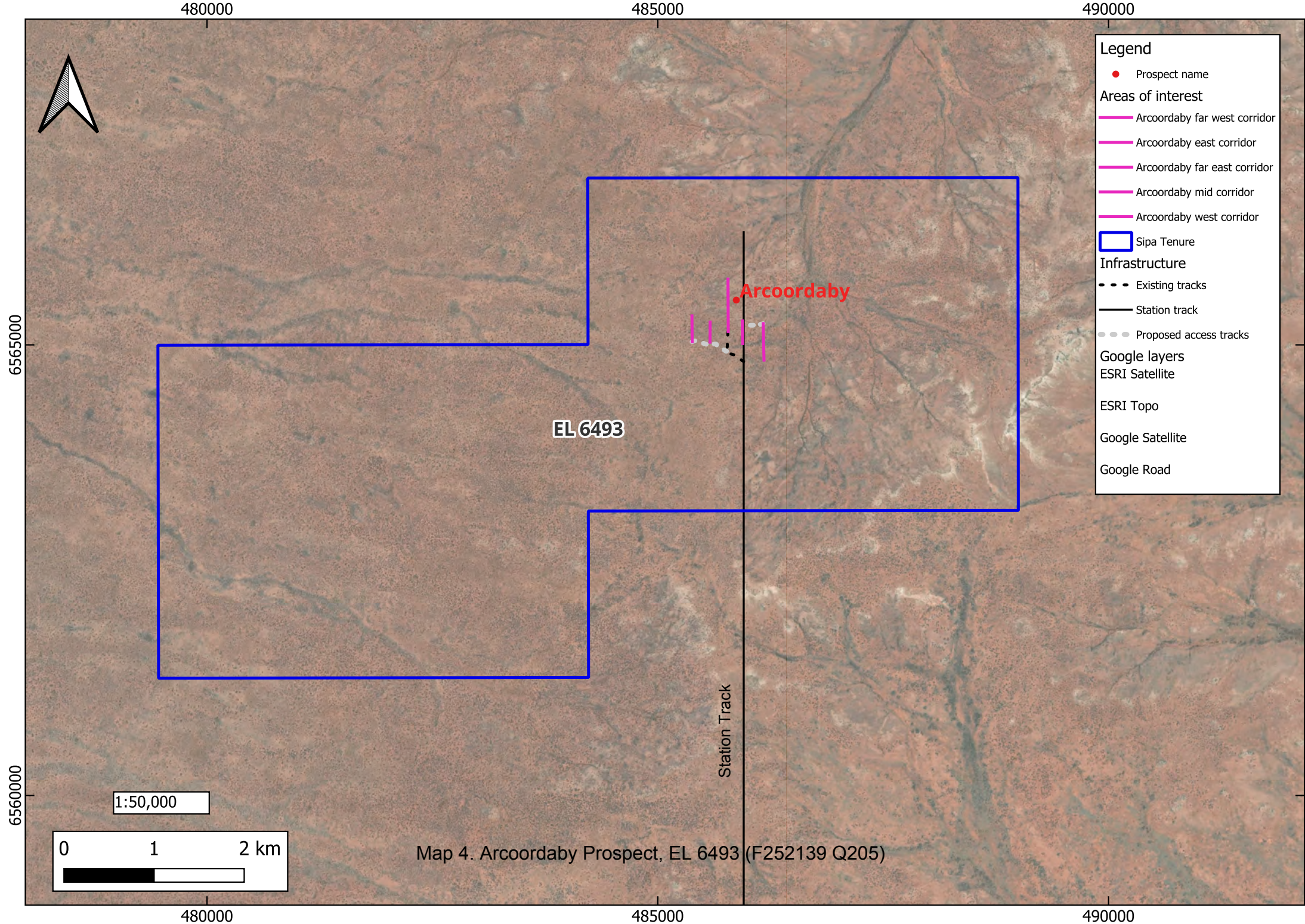
Map 2. Sheoak, Sheoak East, Sheoak North and Bimba Prospects, EL 6288.



- Legend**
- Prospect name
  - Areas of interest**
  - TN\_South corridor
  - TN\_East corridor
  - TN\_Mid corridor
  - TN\_West corridor
  - Sipa Tenure
  - Infrastructure**
  - - - Existing tracks
  - SA\_Roads\_Clippped
  - Track
  - Station track
  - Yellabinna Regional Reserve
  - ▲ Tanks and troughs
  - Google layers**
  - ESRI Satellite
  - ESRI Topo
  - Google Satellite
  - Google Road



Map 3 Tunkillia North Prospect, EL 6288 showing drill corridors.



**Legend**

- Prospect name
- Areas of interest**
  - Arcoordaby far west corridor
  - Arcoordaby east corridor
  - Arcoordaby far east corridor
  - Arcoordaby mid corridor
  - Arcoordaby west corridor
- Sipa Tenure
- Infrastructure**
  - - - Existing tracks
  - Station track
  - - - Proposed access tracks
- Google layers**
  - ESRI Satellite
  - ESRI Topo
  - Google Satellite
  - Google Road

EL 6493

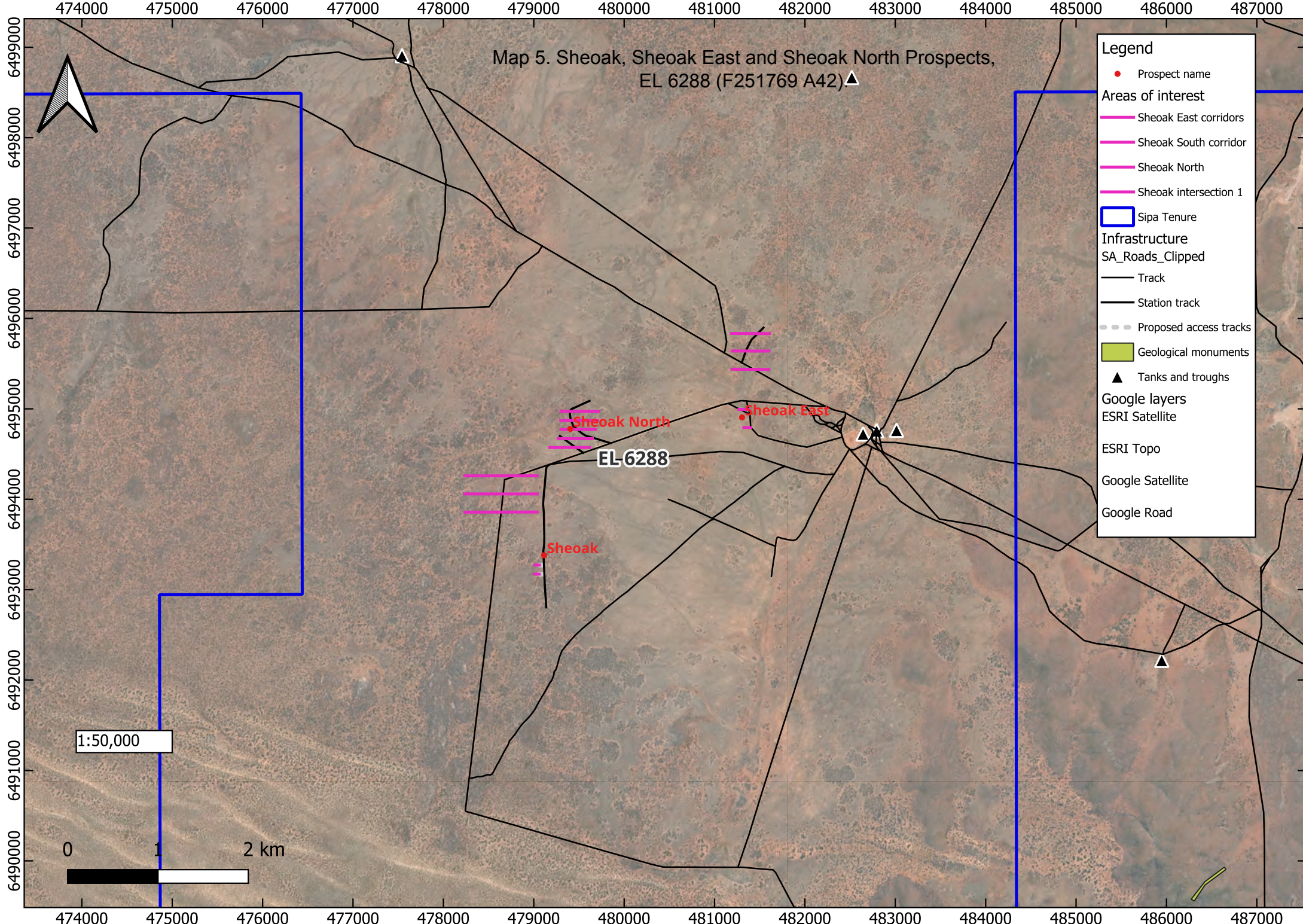
Station Track

Arcoordaby

1:50,000

0 1 2 km

Map 4. Arcoordaby Prospect, EL 6493 (F252139 Q205)



Map 5. Sheoak, Sheoak East and Sheoak North Prospects, EL 6288 (F251769 A42)

- Legend
- Prospect name
- Areas of interest
  - Sheoak East corridors
  - Sheoak South corridor
  - Sheoak North
  - Sheoak intersection 1
- Sipa Tenure
- Infrastructure
  - SA\_Roads\_Clipped
  - Track
  - Station track
  - Proposed access tracks
- Geological monuments
- ▲ Tanks and troughs
- Google layers
  - ESRI Satellite
  - ESRI Topo
  - Google Satellite
  - Google Road

1:50,000

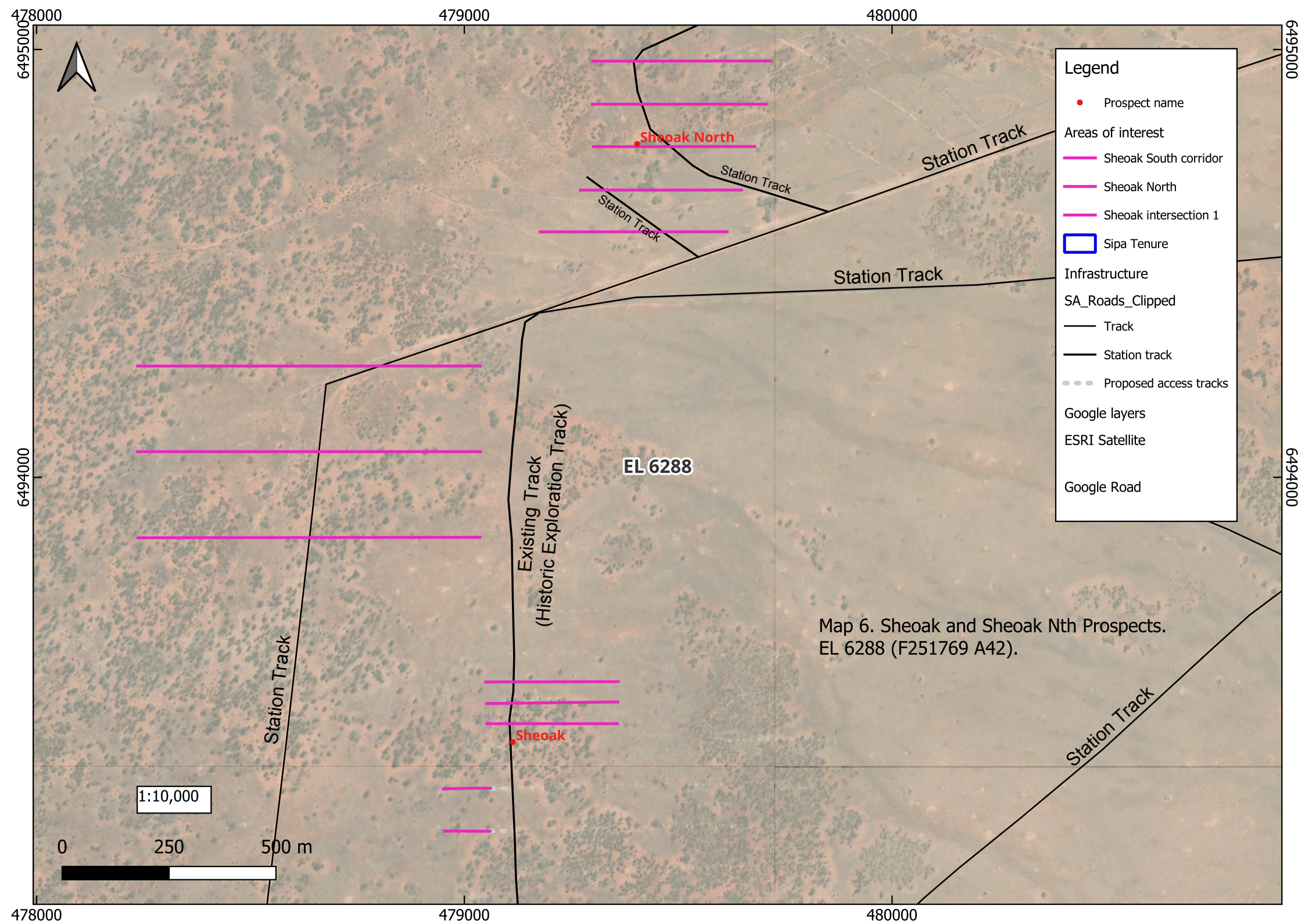
0 1 2 km

EL-6288

Sheoak North

Sheoak East

Sheoak



**Legend**

- Prospect name
- Areas of interest
  - Sheoak South corridor
  - Sheoak North
  - Sheoak intersection 1
- Sipa Tenure
- Infrastructure
  - SA\_Roads\_Clipped
  - Track
  - Station track
  - Proposed access tracks
- Google layers
  - ESRI Satellite
  - Google Road

Map 6. Sheoak and Sheoak Nth Prospects.  
EL 6288 (F251769 A42).

1:10,000

0 250 500 m

EL 6288

Existing Track  
(Historic Exploration Track)

Station Track

Station Track

Station Track

Station Track

Station Track

Station Track

Sheoak

Sheoak North

Map 7. Sheoak East, Prospect, EL 6288 (F251769 A42).

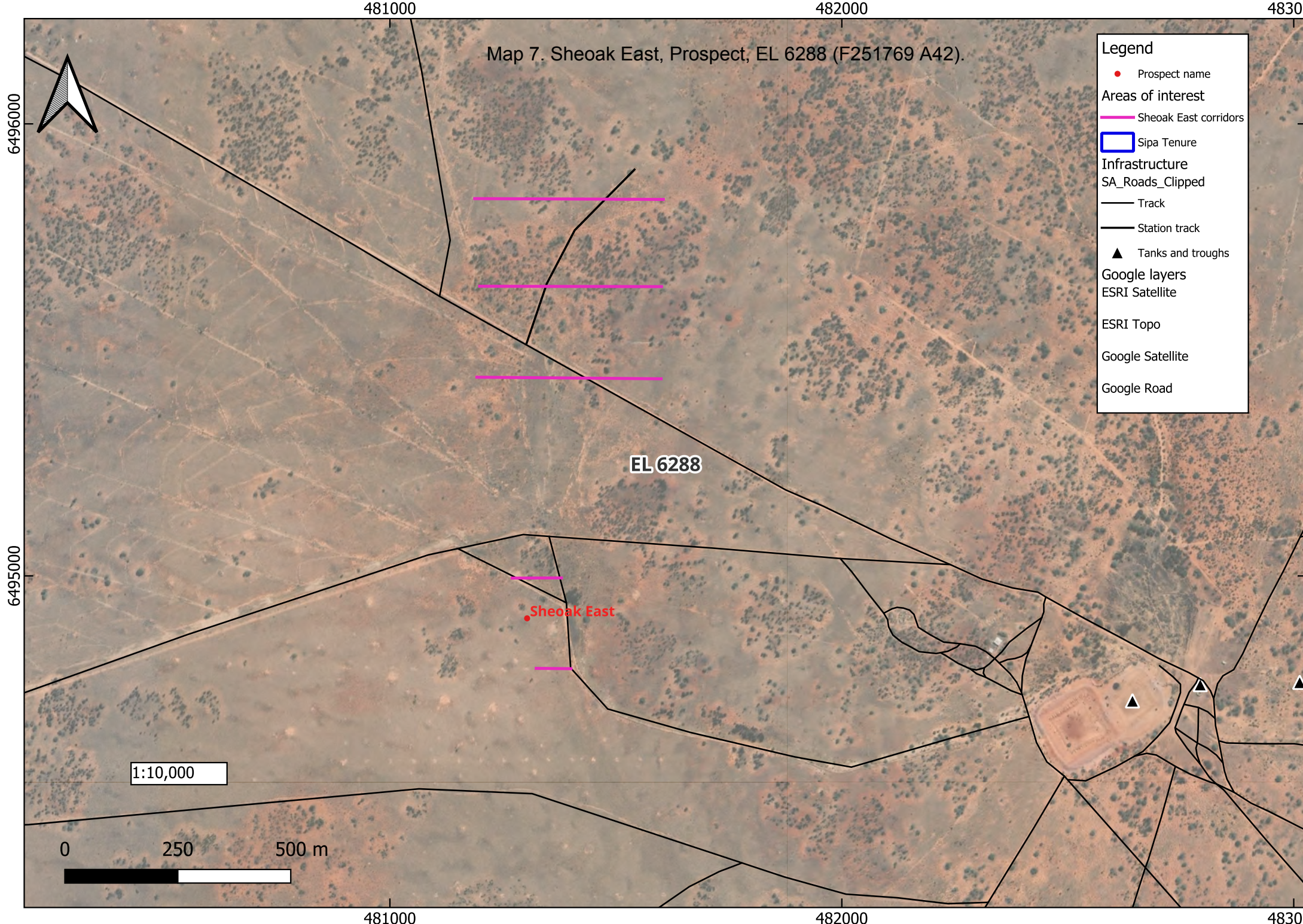
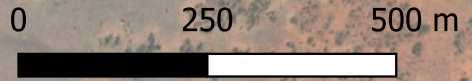
**Legend**

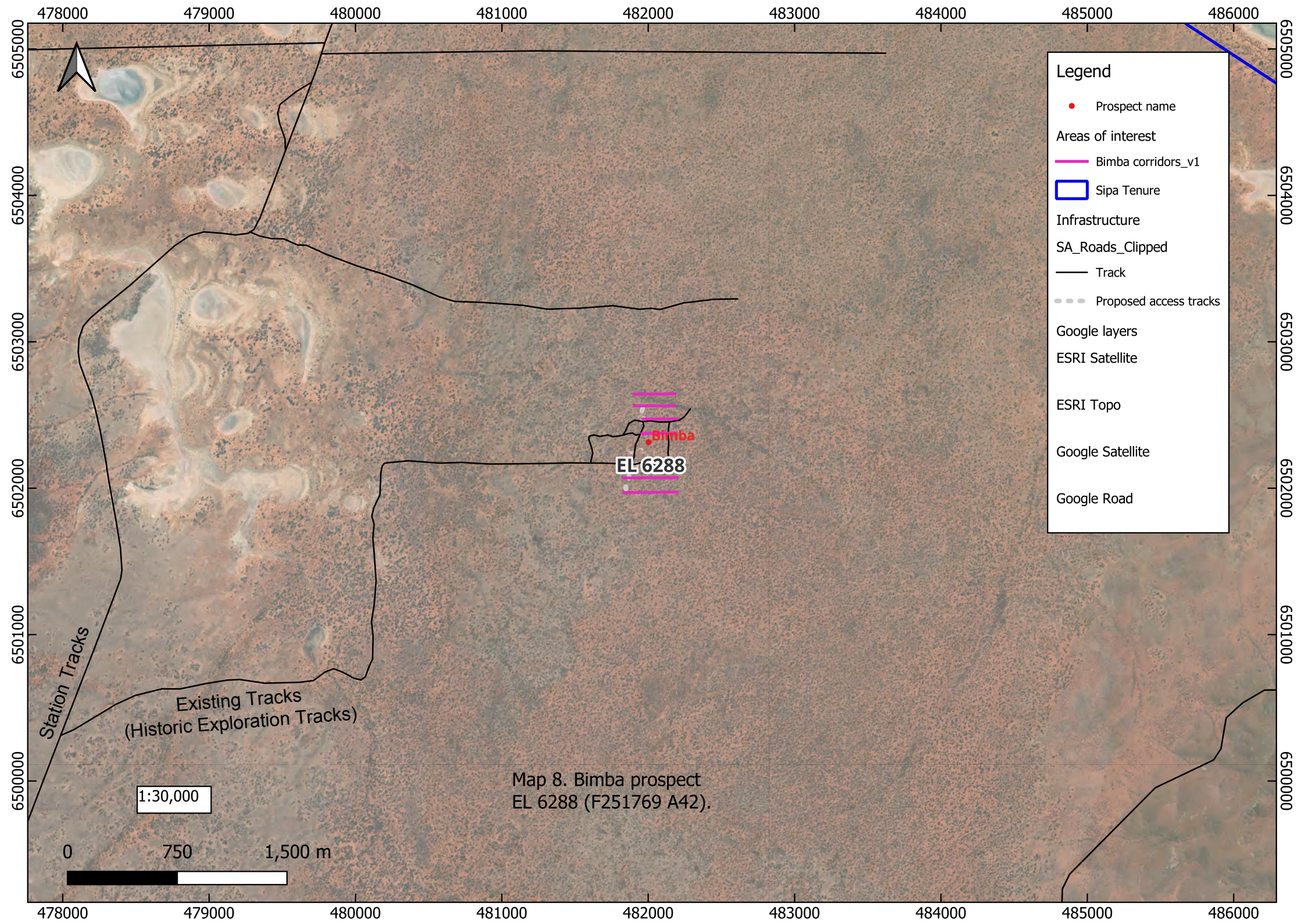
- Prospect name
- Areas of interest**
  - Sheoak East corridors
  - Sipa Tenure
- Infrastructure**
  - SA\_Roads\_Clippped
  - Track
  - Station track
  - ▲ Tanks and troughs
- Google layers**
  - ESRI Satellite
  - ESRI Topo
  - Google Satellite
  - Google Road

EL 6288

Sheoak East

1:10,000





**Legend**

- Prospect name
- Areas of interest
  - Bimba corridors\_v1
  - Sipa Tenure
- Infrastructure
  - SA\_Roads\_Clippped
  - Track
  - Proposed access tracks
- Google layers
  - ESRI Satellite
  - ESRI Topo
  - Google Satellite
  - Google Road

1:30,000

0 750 1,500 m

Map 8. Bimba prospect  
EL 6288 (F251769 A42).

481000

482000

483000

6503000

6503000

6502000

6502000



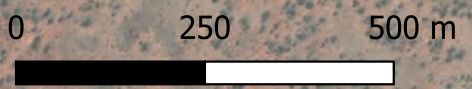
**Legend**

- Prospect name
- Areas of interest
- Bimba corridors\_v1
- Sipa Tenure
- Infrastructure
- SA\_Roads\_Clipped
- Track
- - - Proposed access tracks
- Google layers
- ESRI Satellite
- ESRI Topo
- Google Satellite
- Google Road

Existing Tracks (Historic Exploration Tracks)

Bimba  
EL 6288

1:10,000



Map 9. Bimba prospect  
EL 6288 (F251769 A42).

481000

482000

483000