



Government  
of South Australia

Department for  
Energy and Mining

11 August 2025

Mr. Mark Derriman  
Chief Technical Officer  
Kaili Gold Pty Ltd  
World Tower Suite 1312  
87-89 Liverpool Street  
SYDNEY NSW 2000

mark.derriman1960@gmail.com

Dear Mr. Derriman

**Approval Notification - Exploration Program for Environment Protection and Rehabilitation (EPEPR2025-009) EL 6856, EL 6977, EL 6978**

---

The program for EL 6856, EL 6977, EL 6978, final version submitted on 25 July 2025 to conduct Air Core drilling to a maximum depth of 20 m at your Karte, Coodalya and Lameroo Projects situated adjacent to Karoonda and Lameroo, has been approved in accordance with Section 70B(5) of the *Mining Act, 1971 (the Act)*.

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 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

MINERALS REGULATION

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

Tel (+61) 8 8463 3000 | [www.energymining.sa.gov.au](http://www.energymining.sa.gov.au) | ABN 83 768 683 934



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

CC: kathryn@amets.com.au  
CC: DEW Drilling Inspector [miningwatersciencereferrals@sa.gov.au](mailto:miningwatersciencereferrals@sa.gov.au)  
CC: DEW Hydrogeologist [miningwatersciencereferrals@sa.gov.au](mailto:miningwatersciencereferrals@sa.gov.au)

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	EL6856, EL6977, EL6978		
Tenement holder(s) (for each tenement)	Kaili Gold Pty Ltd		
Operating company	Kaili Gold Pty Ltd		
Agency agreement (if applicable)	AMETS – Authorised Agent		
PEPR prepared by	Mark Derriman, Chief Technical Officer, 0414 241 960		
Project supervisor/contact person(s)	Mark Derriman, Chief Technical Officer, 0414 241 960 – Geologist with 35 years' experience Australia and Overseas, overseeing grass roots exploration programs through to near mine resource drilling.		
	Peter Taifalos, Site Geologist, 0439 417 121 – Peter is an experienced geologist with over 15 years in Mineral Exploration within several Australian jurisdictions. His roles have included grassroots exploration from project generation to drill supervision. Peter has been involved with the project from the start reviewing historic reports for clay layers, selecting samples to go to Challenger and will be the site geologist on the Aircore Drill rig		
Project/prospect name	Karte, Coodalya, Lameroo		
Location details	Adjacent to Karoonda and Lameroo South Australia		
Project description, commodity type and mineralisation model	REE enrichment within the Tertiary Loxton/Parilla Sands and strandlines of the Karoonda & Lameroo areas. Proposed operations: 100 aircore drillholes to 25m, at 500-1000m spacings along roadside verges		
Proposed project schedule	Start date	09/07/2025	End date
			31/07/2026

**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	Mark Derriman	Signature (digital allowed)	
Position	Chief Technical Officer	Date	28/05/2025

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.

<ul style="list-style-type: none"> <li>• Desktop reviews and compilation of available data</li> <li>• Consultation             <ul style="list-style-type: none"> <li>○ Karoonda-East Murray District Council (meeting details below)</li> <li>○ Southern Mallee District Council (meeting details below)</li> <li>○ Community meeting – to be arranged once PEPR is approved</li> </ul> </li> <li>• Contractors engaged             <ul style="list-style-type: none"> <li>○ I&amp;D Contracting to develop Work Zone Traffic Plan</li> <li>○ Tenders for the proposed drilling are currently being finalised and approval for the program is required so the drillers can be locked in, preference will be given to local drilling contractors with experience in the area.</li> </ul> </li> </ul>
--

**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 6977	Southern Mallee District Council	Roadside Verges adjacent to council roads	Mainly infrastructure i.e. power line	To be served once PEPR is approved	-	-	Southern Mallee DC contacted on Tuesday 10th June 2025 of upcoming AC drilling program in the areas north of Parilla Well (Karte tenement). Received verbal approval. Will re-confirm approval in writing once EPEPR is approved.	No concerns raised, need to supply copies of Public Liability Insurance and Work Zone Traffic Plan. I&D Traffic Management engaged to develop Work Zone Traffic Plan and the Company will provide a copy of the Public Liability Insurance  No drilling within 400m of dwellings, Land that is situated within 150 metres of a building or structure with a value of \$2,500 or more used for an industrial or commercial purpose, or a spring, well, reservoir or dam” – including water bores, or any other applicable Exempt Land
EL 6977	Community	-	-	-	-	-	Karoonda-East Murray DC contacted in early May 2025 of upcoming AC drilling program in the areas north of Perponda (Coodalya	A Community Announcement will be prepared, then delivered to Karoonda-East Murray District Council for distribution to the community, when the work program is approved

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

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
							tenement). Received verbal approval. Will re-confirm approval in writing once EPEPR is approved.	
EL 6978	Karoonda-East Murray District Council	Roadside Verges adjacent to council roads	Mainly infrastructure i.e. power line	To be served once PEPR is approved	-	-	29/4/2025 – Email from Rob Knight – District Council of Karoonda – East Murray, Director Infrastructure Services, confirming no objection to works.	No concerns raised, need to supply copies of Public Liability Insurance and Work Zone Traffic Plan I&D Traffic Management engaged to develop Work Zone Traffic Plan and the Company will provide a copy of the Public Liability Insurance  No drilling within 400m of dwellings, Land that is situated within 150 metres of a building or structure with a value of \$2,500 or more used for an industrial or commercial purpose, or a spring, well, reservoir or dam” – including water bores, or any other applicable Exempt Land
EL 6978	Community	-	-	-	-	-	Community Announcement distributed by Karoonda-East Murray District Council prior to commencement of program	A Community Announcement will be prepared, then delivered to Karoonda-East Murray District Council for distribution to the community, when the work program is approved
EL 6856	Southern Mallee District Council	Roadside Verges adjacent to council roads	Mainly infrastructure ie power phone	To be served once PEPR is approved	-	-	PDF copy of email dated 30/04/2025 from District Council of Karoonda-East Murray – Infrastructure & Projects Coordinator – Rob Knight, confirming receipt of program notification and no objection to drilling program	No concerns raised, need to supply copies of Public Liability Insurance and Work Zone Traffic Plan. I&D Traffic Management engaged to develop Work Zone Traffic Plan and the Company will provide a copy of the Public Liability Insurance  No drilling within 400m of dwellings, Land that is situated within 150 metres of a building or structure with a value of \$2,500 or more used for an industrial or commercial purpose, or a spring, well, reservoir or dam” – including water bores, or any other applicable Exempt Land
EL 6856	Community	-	-	-	-	-	Community Announcement distributed by Southern Mallee District Council prior to commencement of program	A Community Announcement will be prepared, then delivered to Southern Mallee District Council for distribution to the community, when the work program is approved

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

## Exploration PEPR application – 12-month period

Provide any additional relevant information.

*Prior to commencement of the program, Kaili are conducting desktop identification of potential Exempt Land within the vicinity of proposed drillholes, through the following methods:*

- Operational bores, dams, springs, wells, and reservoirs are identified through available GIS data, and satellite imagery, and a 150m buffer zone mapped.*
- Buildings and other structures are identified using satellite images, and the appropriate buffer zones mapped (400m for dwellings, 150 metres of a building or structure with a value of \$2,500 or more used for an industrial or commercial purpose).*

*Drillholes will be either relocated, or removed from the program, to ensure none are within the prescribed distance of Exempt Land. If any additional Exempt Land is identified once in the field, drillholes will be relocated or removed from the program as required.*

**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.

Proposed activities are planned within the area of Karte, Karoonda, and Lameroo, on road verges. No drilling will be conducted within 400m of any residence. Prior to commencement of activities, BYDA will be utilised to ensure no underground infrastructure is impacted. See attached map for proximity of drilling to nearby infrastructure.

**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.

Land tenure/type	Applicable
Freehold	<input type="checkbox"/>
Pastoral lease	<input 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"/>
Other*	<input checked="" type="checkbox"/>
Road verges	

Land use	Applicable
Grazing	<input 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 checked="" 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"/>
*European heritage sites	<input type="checkbox"/>
*Other (e.g. historic mining)	

\* Indicates more information required in field immediately below.

## Exploration PEPR application – 12-month period

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

Nil - Southern Mallee District Council and Karoonda-East Murray District Council have been consulted

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

N/A

Provide any additional relevant information.

N/A

### 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.					
-					

### 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"/>
-		
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.		
-		

### 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 type="checkbox"/> No <input checked="" 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 type="checkbox"/> No <input type="checkbox"/>	<Provide the names of the determined/claimant group>	If no, an Environment, Resources and Development (ERD) Court determination is required.
Have you negotiated a native title mining agreement?	Yes <input type="checkbox"/> No <input type="checkbox"/>	Is the agreement registered?*	<List the tenements covered by the agreement>
		Yes <input type="checkbox"/> No <input type="checkbox"/>	

## Exploration PEPR application – 12-month period

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.

N/A

### 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.).

Elevation of proposed drillholes varies from 90m to 133m. Negligible Acid Sulphate Soil and Water Erosion Potential, Wind Erosion Potential varies from Low to High across the area (maps attached). 2 x photos included at the end of this document demonstrate the visual attributes and vegetation cover typical to road verges in the Karte, Karoonda, and Lameroo districts.

### 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 rockiness negligible, soil surface texture is variable across the proposed drill sites, ranging from <5% clay (sand) up to 35% clay loam. Negligible Acid Sulphate Soil and Water Erosion Potential, Wind Erosion Potential varies from Low to High across the area (maps attached). Drilling is expected to be low impact, with rehabilitation occurring immediately following completion of each hole (soil returned to drillhole, vegetation replaced). Photographs of typical ground cover are attached to this document.

### 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"/>
-		
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 type="checkbox"/>	No <input checked="" type="checkbox"/>
<p>Holes to be drilled to maximum depth of 25m, DTW across area from ~40-70m (map of drillholes with DTW information available included). Of the 473 drillholes within EL6977, EL6978, &amp; EL6856 that have DTW data available, only 4 have reported water shallower than 40m.</p> <p>In the event of a water flow drilling will cease to determine the significance of the water flow, the depth the water is intersected will be noted and if significant drilling will cease and the drilling rig will move to the next site.</p> <p>If groundwater is encountered, drill holes will be rehabilitated immediately in accordance with Mineral exploration drillholes – general specifications for construction and backfilling</p>		

## Exploration PEPR application – 12-month period

Description of the locality/area where different groundwater conditions may be encountered					
N/A - Holes to be drilled to maximum depth of 25m, DTW across area from ~35-70m					
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 6978 Holocene-Molineaux Sand,	0-2 Calcrete 2-8 Clay 8-27 Sand	Ty - Murray Group Limestone Aquifer	Unknown	Confined	Average water depth is between 35-70m. Typical well details: <ul style="list-style-type: none"> <li>• SWL= 33.41</li> <li>• TDS =1328</li> <li>• EC = 2400</li> <li>• Yield = 0.19 L/s</li> </ul>
EL 6977 & EL6856-Pliocene – Parilla Sand Member, Loxton Sand, Woorinen Formation	0-6 Clay 6-18 Sand	Ty (conf) – Murray Group Limestone confined		Unconfined	

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

Samples from water wells in the area demonstrate values between 79 and 4,241 mg/L, indicating that the environmental value of the aquifer is Primary Industries – Irrigation and general water uses, Primary Industries – livestock drinking water and 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.

Within the vicinity of the proposed drilling, there are areas of Low Potential Aquatic and Terrestrial GDE. The proposed drilling is not expected to impact GDEs.

Is the proposed program located within a prescribed wells area or prescribed water resource area?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
If yes, provide the name of the area.		
Mallee Prescribed Wells Area – drilling is not expected to impact groundwater (holes to be drilled to maximum depth of 25m, DTW across area from ~40-70m)		

Provide any additional information, if required.

N/A

### 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 type="checkbox"/>	No <input checked="" type="checkbox"/>
Work will be along roadside verges, which have been disturbed. Drillholes are able to be relocated to avoid native vegetation – no native vegetation will be cleared.		

### 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>Note – no vegetation will be disturbed during the proposed activities</i>			

\* 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.

## Exploration PEPR application – 12-month period

### Weeds and pathogens

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

Weeds of National Significance in the area include predominantly Bridal Creeper (*Asparagus asparagoides*), African Boxthorn (*Lycium ferocissimum*), Prickly Pear (*Opuntia spp.*), and Silver-leaf Nightshade (*Solanum elaeagnifolium*) – see WoNS Map

### Fauna

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

Nationally rated fauna sites within the area include Yellow-throated miner, blue-winged parrot (VU), brown-headed honeyeater, grey-headed flying-fox (VU), hooded robin (EN), regent parrot (VU) and short-beaked echidna.  
 State rated fauna sites include, in addition to the above, the flame robin (V), white-winged cough (R), restless flycatcher (R), and bluebonnet (Eastern and Naretha).  
 Common native fauna in the area include echidnas, kangaroos, emus, and mallee fowl. Feral fauna includes foxes, rabbits, wild cats and dogs.  
 The proposed program is not expected to have any impact on native (common or significant) or feral fauna, due to the location of the proposed drilling (road verges) and immediate rehabilitation of the drillholes.

### 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.

Species	Common name	NPW Act rating	EPBC Act rating
<i>Manorina flavigula</i>	Yellow-Throated Miner	ssp	ssp
<i>Melanodryas cucullata cucullata</i>	Hooded Robin (Yp, Mn, Ap, Mlr, Mm, Se)	R	EN
<i>Neophema chrysostoma</i>	Blue-Winged Parrot	V	VU
<i>Melithreptus brevirostris</i>	Brown-Headed Honeyeater	-	ssp
<i>Pteropus poliocephalus</i>	Grey-Headed Flying-Fox	R	VU
<i>Tachyglossus aculeatus</i>	Short-Beaked Echidna.	ssp	ssp
<i>Petroica phoenicea</i>	The Flame Robin	V	-
<i>Corcorax melanorhamphos</i>	White-Winged Cough	R	-
<i>Northiella haematogaster (NC)</i>	Bluebonnet (Eastern And Naretha).	Ssp	-
<i>Myiagra inquieta</i>	Restless Flycatcher	R	-
<i>Polytelis anthopeplus monarchoides</i>	Regent Parrot	V	VU
ssp = rated sub-species			

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.

### 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 type="checkbox"/>	No <input checked="" type="checkbox"/>
-		
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"/>
-		
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.		
No		

## 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.

## Exploration PEPR application – 12-month period

### 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	1	Speccy Science - Peter Taifalos	
Land access/environmental			
Field assistants/technicians			
Drilling crew	2	GPS Drilling - Grant Hine and Shane Higgins	
Site preparation and rehabilitation	2	GPS Drilling - Grant Hine and Shane Higgins	
Other (provide details)	1	I&D Traffic Management – Madison Atkins-Jones	
Shifts worked per day	Hours worked per day	Days worked per week	
1	12	7	
Equipment type	Owner/operator	Description/capacity	Activity/purpose
Aircore Drill Rig	GPS Drilling	Innovative Explora 50 Series truck-mounted Aircore drilling rig (mobile plant) with onboard air compressor and cyclone splitter sample outlet for sample collection	Shallow Aircore Drilling and sampling
Small Support truck, trailer, mounted portaloo, 4WD vehicles	GPS Drilling	Vehicles to provide access.	Support vehicles for drilling

Provide any additional information, if required.

<ul style="list-style-type: none"> <li>• Samples delivered by drill rig are collected into calico sample bags for analysis. Surplus drill spoil is collected on a large tarpaulin laid below to be subsequently returned to the hole for site rehabilitation (photos included in attachment)</li> <li>• Small support truck to carry extra drill rods and fuel for the drill rig – all chemicals kept on board the vehicles.</li> <li>• A trailer mounted portaloo available</li> <li>• 4WD vehicles for the field and traffic management teams</li> <li>• 2 to operate the drill rig, 1 field staff to manage the program and collect/log samples, and 1 person for traffic management.</li> </ul>
---

### 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"/>
100 drillholes to 24m maximum, along road verges.		

### Drilling activities

Will exploration drilling activities be conducted? If yes, fill out the below table	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
---	---	-----------------------------

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)
EL6977	Aircore	100	20	0	0	No drill pad required	0	0
EL6978	Aircore	100	20	0	0	No drill pad required	0	0
EL6856	Aircore	100	20	0	0	No drill pad required	0	0
<b>TOTAL</b>		<b>300</b>	<b>6000</b>	<b>0</b>	<b>0</b>	<b>0</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	Total number of sumps (maximum number of sumps x drillsites for each row,	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).
---	--	---	---	--	--	--

## Exploration PEPR application – 12-month period

row to calculate the total). then add each row to calculate the total).

\* The footprint includes all areas of disturbance associated with the drillsite.

### Drill site preparation

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

No drill pad required, no clearing of vegetation required, holes to be drilled to 24m maximum, sampled, and immediately backfilled with the drill spoil and covered with nearby vegetation.

### Drillhole construction and decommissioning

Have the personnel responsible for implementing the proposed program read and understood the Earth Resources Information Sheet M21, <a href="#">Mineral exploration drillholes – general specifications for construction and backfilling</a> ?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
--	---	-----------------------------

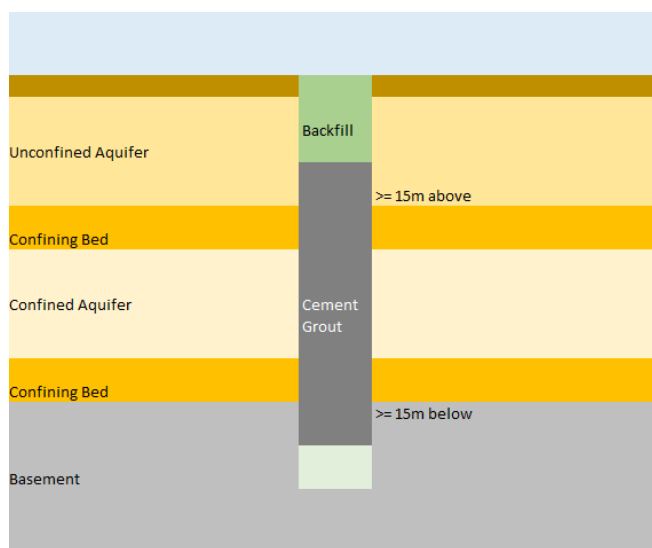
Describe how drillholes will be constructed, including the casing material to be used, depth of casing, if the casing will be cemented, cementing intervals and the class of driller that will install the casing.

No casing required, holes to be drilled to 24m, sampled, and immediately backfilled with the drill spoil and covered with nearby vegetation.

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.

Drill holes will be immediately backfilled with the drill spoil and covered with nearby vegetation. If groundwater is encountered, drill holes will be rehabilitated immediately in accordance with Mineral exploration drillholes – general specifications for construction and backfilling. Before moving to the next site, Kaili will ensure no adverse visual impacts will remain at the drill site.

If a confined aquifer is encountered, a minimum 15m cement grout plug will be set from below (Depending on hole depth) to above the confined aquifer level if groundwater rises to within 5m of surface. Cuttings, clay and soil will be used to fill below and above the cement plug to surface with the last 30 cm backfilled with soil and mounded.



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? If yes, fill out the table below.	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
--	------------------------------	--

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.>						

## Exploration PEPR application – 12-month period

<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 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).

The drilling will be vertical aircore holes to a maximum depth of 24m. A tarpaulin will be laid out under the cyclone to ensure no spill of drill cuttings. Drill cuttings will be collected onto the tarpaulin during drilling, and single metre samples will be collected in pre numbered calico bags. On completion of the drilling all drill cuttings not sampled will be returned to the hole and the surface levelled and covered with twigs/grasses. Any excess drill cuttings that will not fit back into the drillhole will be disposed of at an approved waste facility. All rubbish will be removed.

### 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 type="checkbox"/>	No <input checked="" type="checkbox"/>
<If yes, include text here.>		
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"/>
<If yes, include text here.>		
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 type="checkbox"/>	No <input checked="" type="checkbox"/>
<If yes, include text here.>		

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.

Campsite details	
Indicate where staff and contractors will be accommodated during the exploration program.	
Motel accommodation at the Lameroo Community Hotel, Karoonda Hotel, Karoonda Tourist Park	
What is the maximum number of personnel requiring accommodation?	4
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.	
-	
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.	

## Exploration PEPR application – 12-month period

-		
Will any excavations be required? If yes, describe the purpose of the excavation and the maximum volume (m <sup>3</sup> ) of material to be excavated.	Yes <input type="checkbox"/>	No <input type="checkbox"/>
-		
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"/>
-		
Proposed infrastructure (includes caravans, tents, offices, hydrocarbon and water storage requirements etc)	Quantity	Description/capacity
-	-	-

Laydown area details		
Will laydown areas be required? If no, no further information is required.	Yes <input type="checkbox"/>	No <input checked="" 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 type="checkbox"/>	No <input type="checkbox"/>
-		
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.		
-		
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"/>
-		
Proposed infrastructure (includes hydrocarbon and water storage requirements)	Quantity	Description/capacity
		<i>&lt;Tab to add rows.&gt;</i>
Provide a description and justification of the location (e.g. previously cleared areas), and any other relevant information if required.		
-		

### 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"/>
-		

### 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 type="checkbox"/>	No <input checked="" type="checkbox"/>
-		
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 (DEW) website. 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"/>
-		

## Exploration PEPR application – 12-month period

### 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"/>
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. N/A	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>

### 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"/>
---	------------------------------	--

### 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"/>

### 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. Drillholes will be immediately backfilled with the drill spoil and covered with nearby vegetation. Rehabilitation will be completed progressively during the drilling program State the estimated budget required to rehabilitate impacted sites. Nil
---

### 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. -		
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. -		

## 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.

N/A
-----

**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**

1. 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.
2. 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.
3. 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.
4. For each applicable potential impact, the corresponding outcome and outcome measurement criteria are required.
5. 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.	Yes (Applicable to all programs.)	<ul style="list-style-type: none"> <li>• Meetings with the Karoonda-East Murray District Council and Southern Mallee District Council (09/09/2022)                             <ul style="list-style-type: none"> <li>○ PLI supplied</li> <li>○ Contractors engaged to develop Work Zone Traffic Plan</li> </ul> </li> <li>• Community meeting to be held prior to commencement of program</li> </ul>	2	A	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.
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.	No (Applicable to programs located adjacent to or within parks and reserves.)		-	-	-	<b>For activities located within or adjacent to regional reserves, national, conservation and marine parks only:</b> <ul style="list-style-type: none"> <li>• no unauthorised interference with park management activities.</li> </ul>	Provide confirmation that: <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>

Exploration PEPR application – 12-month period

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 = likelihood of consequence CQ = severity of consequence	LH	CQ		
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.	No (Applicable to exploration programs located within or impacting on native vegetation.)	All sites will be inspected prior to drilling, and drillholes will be moved as required to ensure no disturbance to fauna or flora. No native vegetation will be cleared as drillholes will be moved to already cleared areas as required. Sites will be fully rehabilitated before moving the drill rig to ensure no trace of drilling activity remains.	-	-	-	<b>No permanent loss/modification of native flora and fauna populations and their habitats through:</b> • clearance • fire • other <b>unless prior approval under the relevant legislation is obtained.</b>	Maintain before, during and after photographic evidence of all exploration sites (e.g. drillsites, new track exit/entry points off existing tracks, costeans, campsites) demonstrating that: • The area and method of disturbance is consistent with that described in the PEPR. • No uncontrolled fires* occurred as a result of exploration activities.  Representative photos to be included within the annual exploration compliance report.
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>Vehicle inspections, ensuring vehicles are clean and free of plant and mud material</li> <li>Personnel to review and check maps for current weed distribution and presence</li> </ul>	3	A	Low	<b>No introduction of new species of weeds and plant pathogens, nor increase in abundance of existing weeds species.</b>	Provide a statement within the 'Compliance with approved programs' section of the annual exploration compliance report, confirming that: • Vehicle logs were kept during the exploration program, demonstrating that all vehicles are clean and free of plant and mud material prior to entering properties* within the tenement areas, unless otherwise agreed to with the relevant landowners. • Photographic evidence before and during exploration operations and after rehabilitation of disturbed sites was captured, demonstrating that no new weeds and plant pathogens were introduced, nor an increase in abundance of existing weeds recorded.
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>Drillholes to be immediately backfilled with the drill spoil and covered with nearby vegetation</li> </ul>	1	A	Low	<b>No fauna traps created as a result of exploration activities.</b>	Maintain before, during and after photographic evidence of all drillholes and/or excavations demonstrating that: • All drillholes were permanently or temporarily capped/plugged immediately upon completion. • No fauna and livestock became trapped in drillholes and/or excavations throughout the duration of the program. • All rehabilitation was completed within 3 months of expiry of the PEPR approval (for PEPRs approved for a period of 12 months), or 3 months after the expiry of a program notification (for PEPRs approved for an ongoing period), unless otherwise authorised.  Representative photos are to be included within the annual exploration compliance report.  Provide the information requested within the 'Rehabilitation' section of the annual exploration compliance report.
Aboriginal heritage sites	Disturbance to Aboriginal heritage.	Yes (Applicable to all programs.)	<ul style="list-style-type: none"> <li>No Aboriginal heritage sites to be disturbed during the drilling campaign</li> <li>If a suspected site is discovered, work to cease and site to be reported to the Premier</li> </ul>	1	B	Low	<b>No disturbance to Aboriginal artefacts or sites of significance unless prior approval under the relevant legislation is obtained.</b>	Maintain a database and provide a statement within the 'Compliance with approved programs' section of the annual exploration compliance report demonstrating that: • Heritage sites were not impacted during the conduct of the exploration program, unless prior approval was obtained under the appropriate legislation. • Work ceased on discovery of a significant site and recommenced only after authorisation. • Aboriginal heritage sites identified during the exploration program were appropriately recorded and reported to authorities, if not previously known.
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).	Yes (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>Heritage sites identified, drilling not proposed in vicinity of sites.</li> </ul>	1	A	Low	<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>	Demonstrate no impact to heritage sites and sites of scientific and environmental significance by: • 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. • Providing a statement within the annual exploration compliance report confirming sites were not impacted during the conduct of the exploration program.

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		
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>Applicable waste to be disposed at an appropriately licenced facility</li> <li>All chemicals kept on board the vehicles to avoid contamination</li> <li>All chemicals to be stored in appropriate self-bunded containers</li> <li>Spill kit onsite to manage any chemical spills</li> <li>Any chemical spills to be cleaned up immediately, and waste disposed of at an approved waste facility</li> <li>Hydrocarbon spills of &gt;5L to be reported</li> <li>Tarp to be laid out under cyclone to ensure no spill of drill cuttings</li> <li>Drill cuttings to be collected into large plastic bags during drilling.</li> <li>Following sampling, any remaining drill spoil to be returned the drillhole</li> <li>Any excess drill cutting that will not fit back into the drillhole will be disposed of at an approved waste 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>Drill spoil to be returned to hole in stratigraphic order</li> <li>Drillholes to be rehabilitated progressively following sampling</li> <li>No construction of pads, access tracks or sumps required</li> </ul>	1	A	Low	<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>	
Surface water	Alteration to surface water – interference to surface drainage.	No (Applicable to exploration programs that are likely to impact on surface drainage channels.)		-	-	-	<p><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></p> <p>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).</p> <p>Alternatively, provide copies of water affecting permits within the annual exploration compliance report.</p>	

Exploration PEPR application – 12-month period

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 = likelihood of consequence CQ = severity of consequence	LH	CQ		
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.)	Holes to be drilled to 25m, DTW across area from ~40-70m.  In the event of a water flow drilling will cease to determine the significance of the water flow, the depth the water is intersected will be noted and if significant drilling will cease and the drilling rig will move to the next site.  If groundwater is encountered, drill holes will be rehabilitated immediately in accordance with Mineral exploration drillholes – general specifications for construction and backfilling	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.)	Holes to be drilled to 25m, DTW across area from ~40-70m  In the event of a water flow drilling will cease to determine the significance of the water flow, the depth the water is intersected will be noted and if significant drilling will cease and the drilling rig will move to the next site.  If groundwater is encountered, drill holes will be rehabilitated immediately in accordance with Mineral exploration drillholes – general specifications for construction and backfilling	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 bores or mineral drillholes.)	No water to be extracted	-	-	-	<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.
Soil/vegetation/fauna	Degradation of rehabilitated access tracks caused by third party access (includes previously closed and rehabilitated access tracks).	No (Applicable to exploration programs that create new access tracks.)		-	-	-	<b>Rehabilitated access tracks remain permanently closed, unless prior approval under the relevant legislation is obtained.</b>	Maintain before and after photographic evidence demonstrating that all tracks are closed and rehabilitated within 3 months of the expiry of the PEPR approval (for PEPRs approved for a period of 12 months), or 3 months after the expiry of a program notification (for PEPRs approved for an ongoing period), unless otherwise authorised.  Representative photos are to be included within the annual exploration compliance report.  Provide the information requested within the 'Rehabilitation' section of the annual exploration compliance report.
Community/landowners	Damage to infrastructure and loss of income through fire.	Yes (Applicable to all programs.)	<ul style="list-style-type: none"> <li>Drilling to be completed prior to fire ban season, during spring.</li> <li>No fires to be lit on site</li> </ul>	2	A	Low	<b>No loss of infrastructure or income through fire as a result of exploration activities.</b>	Provide a statement within the 'Compliance with approved programs' section of the annual exploration compliance report confirming that no uncontrolled fires* occurred.  Alternatively, provide a report on the independent investigation of all uncontrolled fires* demonstrating that the licensee could not have reasonably prevented the fire through the implementation of precautionary measures.
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>Work Zone Traffic Management Plan developed, company has been engaged to manage traffic around the drilling rig.</li> <li>Access to the operations will be restricted to inducted personnel who have a direct need to be in the rig work area</li> <li>A physical barrier will be set up around the active work area during operations (bunting, cones, safety fencing). The site will be under supervision at all time to ensure no unauthorised entry</li> <li>Any visitors to the drilling operations will undergo a visitor's induction and will be required to be accompanied by a fully inducted staff member.</li> </ul>	1	B	Low	<b>No accidents involving the public that could have been reasonably prevented by the licensee.</b>	Provide a statement within the 'Compliance with approved programs' section of the annual exploration compliance report confirming no accidents occurred involving the public during and after the exploration program.  If an accident involving the public did occur, provide a copy of the independent investigation report within the annual exploration compliance report demonstrating that the licensee could not have reasonably prevented the accident through the implementation of precautionary measures.

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
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.)		-	-	-	<b>No increase in background radiation levels, and employee/contractor exposure levels during the exploration program are within safe limits.</b>  Maintain a database and provide a statement within the 'Compliance with approved programs' section of the annual exploration compliance report demonstrating that: <ul style="list-style-type: none"> <li>• 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)

Kaili Gold Pty Ltd (a wholly owned subsidiary of Kaili Resources Limited, ASX:KLR) has a highly experience team, both in early exploration, advanced prospects, and stakeholder engagement across multiple States of Australia.

- Kaili Gold representatives will be onsite during the entirety of the drilling program to ensure compliance with the conditions of the PEPR
- Employees and Contractors will be educated in the conditions of the PEPR, and expected standards of conduct
- Drilling contractors are engaged based on compliance history and operating standards that align with the standards of Kaili Gold
- I&D Contracting engaged to develop Work Zone Traffic Management Plan, and manage traffic around the drilling rig.
- Kaili Gold have engaged in positive and active engagement with the Southern Mallee District Council, and will hold a community meeting prior to commencement of the program to ensure all stakeholders are appropriately engaged.
- Kaili Gold have an implemented SHMP for drilling programs

## 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.

*Council Approval for program (Kaili\_EL6856\_EPEPR\_Southern Mallee District Council)*  
*Photos of similar drill rig (Kaili\_EL6856\_EPEPR\_Rig Example)*

**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
Lameroo	2024	SECTION D				Example of the drilling process from 2024 program



Site identification	Date taken	Photo number & PEPR section reference	Easting (GDA94)	Northing (GDA94)	Zone	Details and Comments
Lameroo	2024	SECTION D				Example of the site rehabilitation process



Exploration PEPR application – 12-month period

Site identification	Date taken	Photo number & PEPR section reference	Easting (GDA94)	Northing (GDA94)	Zone	Details and Comments
KT12	February 2025	Landform and Topography	457340	6111579	54H	Typical vegetation on road verge, Karte area



Exploration PEPR application – 12-month period

Site identification	Date taken	Photo number & PEPR section reference	Easting (GDA94)	Northing (GDA94)	Zone	Details and Comments
CD88	February 2025	Landform and Topography	399426	6129215	54H	Typical vegetation on road verge, Karoonda area



Exploration PEPR application – 12-month period

Site identification	Date taken	Photo number & PEPR section reference	Easting (GDA94)	Northing (GDA94)	Zone	Details and Comments
LAM22	February 2025	Landform and Topography	469873	6090779	54H	Typical vegetation on road verge, Karoonda area



**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

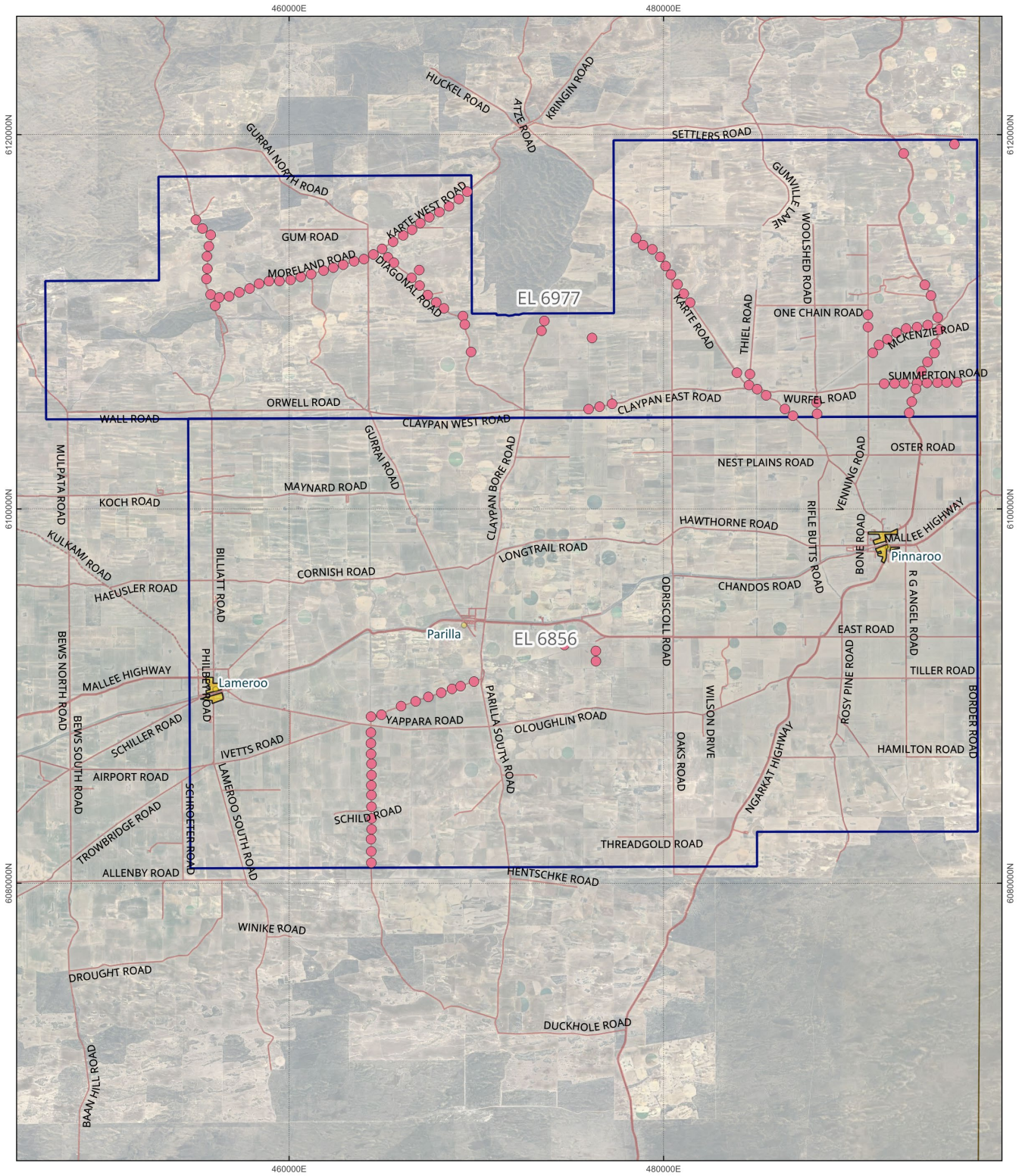
PEPR documents will be registered on the mining register and publicly released in full without the need to request consent from the tenement holder(s). Ultimately, it is the applicant's responsibility to ensure that confidential, or commercially sensitive, information is not included within the PEPR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

# Exploration PEPR application – 12-month period



<p><b>Clients</b></p> <p><b>KAIL</b></p> <ul style="list-style-type: none"> <li>● KLR_Lameroo_DrillSites_February2025</li> </ul> <p><b>Tenements</b></p> <ul style="list-style-type: none"> <li>● KLR_Lameroo_DrillSites_February2025</li> <li>■ Exploration Licences - Mineral or Opal</li> <li>■ Kaili Gold Pty Ltd</li> </ul>	<p><b>Topographic</b></p> <ul style="list-style-type: none"> <li>● 5</li> <li>■ Built up area</li> </ul> <p><b>Roads</b></p> <ul style="list-style-type: none"> <li>— Arterial</li> <li>— COLL</li> <li>— Highway</li> <li>— LOCL</li> <li>— Minor</li> </ul>	<p><b>Base Layers</b></p> <p>Google Satellite</p> <p><b>AUS_NATION_POLYGON_states</b></p> <p>■ VIC_STATE_POLYGON_shp</p>
--	---	--

**EPEPR - EL6977 EL6856**  
**Town and Infrastructure**

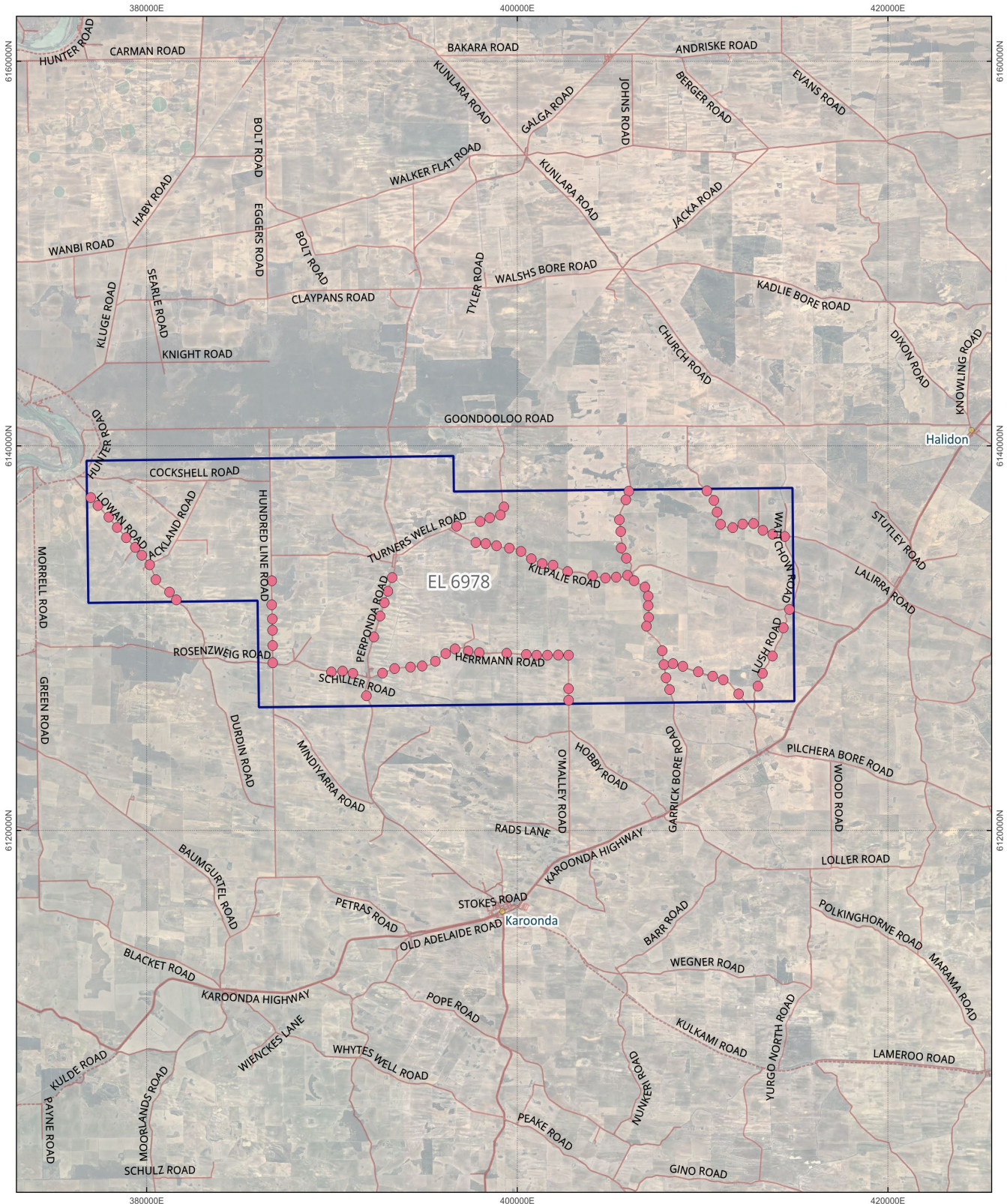
**DATE: 05 MAY 2025**  
Author: Kathryn Brown  
EPSG:4283; Projection: GDA94

Scale 1:262,403

Disclaimer: This document was prepared by Australian Mining & Exploration Title Services Pty Ltd (AMETS). AMETS has taken all reasonable care in producing all the information contained in the document. However, AMETS accepts no responsibility where information provided by a third party that is relied on in good faith proves to be inaccurate or incomplete. Data displayed which is time sensitive should be considered current for the date of printing only.

S:\KAIL\_EPEPR\_12m  
Client:KailiGoldPtyLtd\AMETS\MapDocs - Data\SR - Data\Workspaces\SA - client\SA\_KAILI\_EPEPR\_12m

# Exploration PEPR application – 12-month period



**Clients**

- KAIL**
- KLR\_Lameroo\_DrillSites\_February2025
- Tenements**
- KLR\_Lameroo\_DrillSites\_February2025

**Exploration Licences - Mineral or Opal**

■ Kaili Gold Pty Ltd

**Topographic  
Towns & localities**

● 5

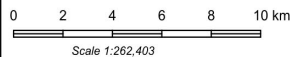
**Roads**

- Arterial
- COLL
- LOCL
- Minor

**Base Layers  
Google Satellite**

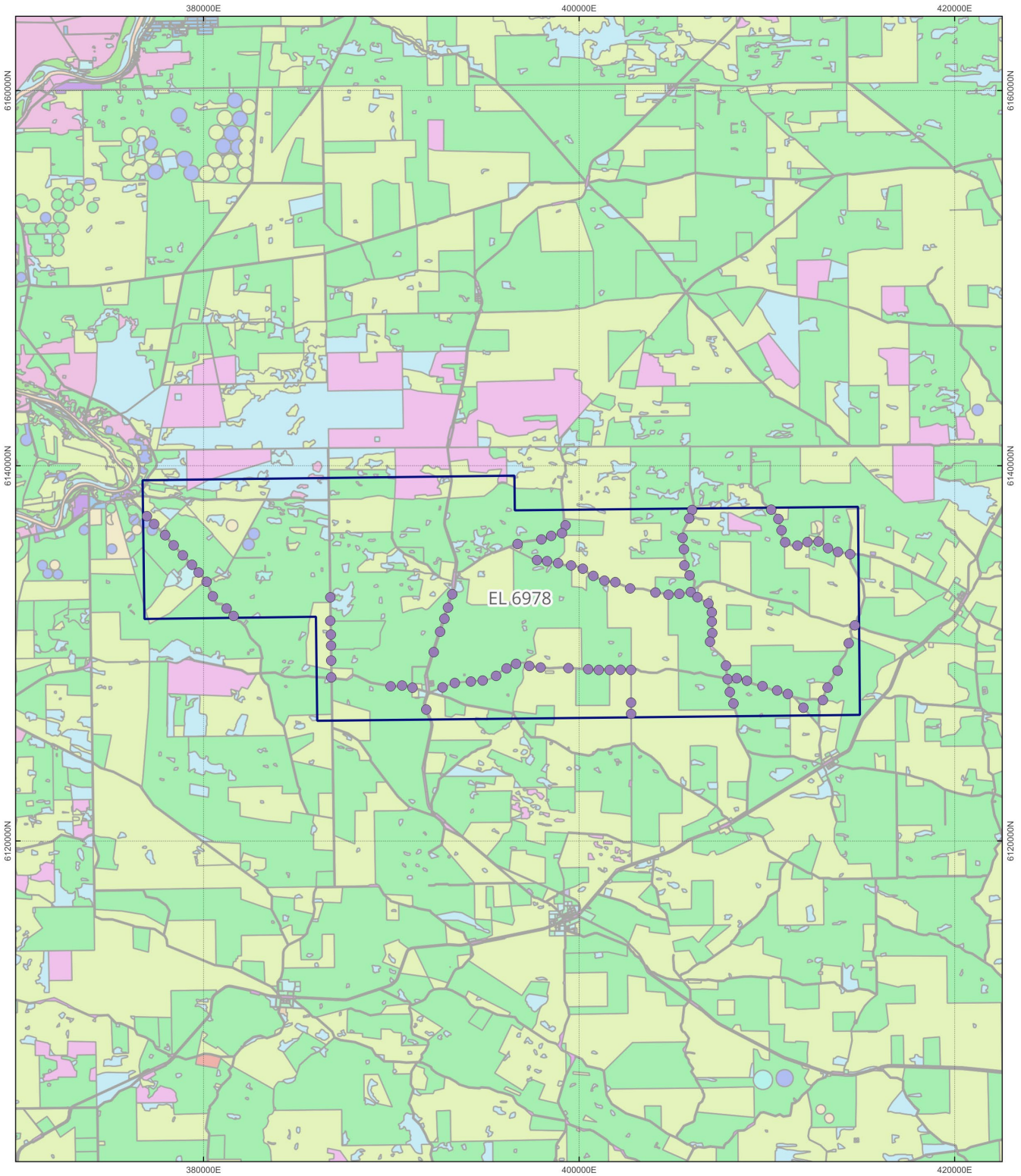
**EPEPR - EL6978  
Town and Infrastructure**

DATE: 05 MAY 2025  
Author: Kathryn Brown  
EPSG:4283; Projection: GDA94



Disclaimer: This document was prepared by Australian Mining & Exploration Title Services Pty Ltd (AMETS). AMETS has taken all reasonable care in producing all the information contained in this document. However, AMETS accepts no responsibility where information provided by a third party that is relied on in good faith proves to be inaccurate or incomplete. Data displayed which is time sensitive should be considered current for the date of printing only.

# Exploration PEPR application – 12-month period



- |  |                                    |                                |                                       |
|--|------------------------------------|--------------------------------|---------------------------------------|
| <b>Tenements</b>                         |                                    | ● Irrigated cropping           | ■ Plantation forests                  |
| ● KLR_Lameroo_DrillSites_February2025    | ■ Irrigated land in transition     | ■ Reservoir/dam                | ■ Residential and farm infrastructure |
| ■ Exploration Licences - Mineral or Opal | ■ Irrigated perennial horticulture | ■ River                        | ■ Services                            |
| ■ Kallit Gold Pty Ltd                    | ■ Irrigated seasonal horticulture  | ■ Transport and communication  | ■ Utilities                           |
| <b>Environmental Land Use</b>            | ■ Managed resource protection      | ■ Waste treatment and disposal |                                       |
| ■ Cropping                               | ■ Manufacturing and industrial     |                                |                                       |
| ■ Grazing irrigated modified pastures    | ■ Marsh/wetland                    |                                |                                       |
| ■ Grazing modified pastures              | ■ Mining                           |                                |                                       |
| ■ Grazing native vegetation              | ■ Nature conservation              |                                |                                       |
| ■ Intensive animal production            | ■ Other minimal use                |                                |                                       |
|  | ■ Perennial horticulture           |                                |                                       |

**STATES\_indv**  
 ■ SA state polygon

### EPEPR - EL6978 Land Use

DATE: 05 MAY 2025  
 Author: [%nameinitial(@user\_full\_name2) %]  
 EPSG:4283; Projection: GDA94

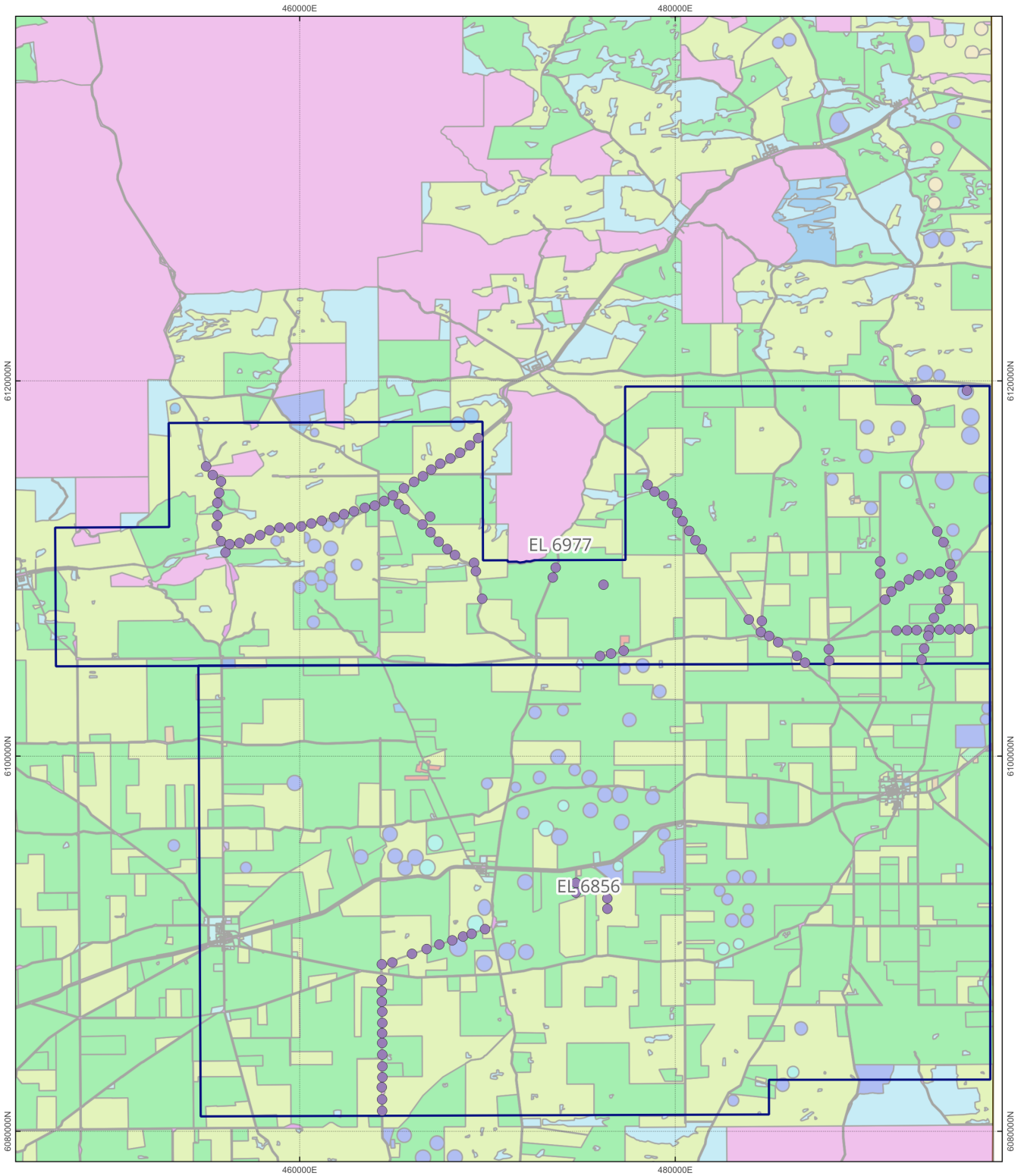
0 2 4 6 8 10 km

Scale 1:261,957

Disclaimer: This document was prepared by Australian Mines & Exploration Title Services Pty Ltd (AMETS). AMETS has taken all reasonable care in producing all the information contained in the document. However, AMETS accepts no responsibility where information provided by a third party that is relied on in good faith proves to be inaccurate or incomplete. Data displayed which is time sensitive should be considered current for the date of drafting only.

SA\_KALI\_EPEPR\_1pp  
 © Australian Mines & Exploration Title Services Pty Ltd

# Exploration PEPR application – 12-month period



- |  |   |   |
|--|---|---|
| <p><b>Tenements</b></p> <ul style="list-style-type: none"> <li>● KLR_Lameroo_DrillSites_February2025</li> <li>■ Exploration Licences - Mineral or Opal</li> <li>■ Kallit Gold Pty Ltd</li> </ul> <p><b>Environmental Land Use</b></p> <ul style="list-style-type: none"> <li>■ Cropping</li> <li>■ Grazing irrigated modified pastures</li> <li>■ Grazing modified pastures</li> </ul> | <ul style="list-style-type: none"> <li>■ Intensive animal production</li> <li>■ Irrigated cropping</li> <li>■ Irrigated perennial horticulture</li> <li>■ Irrigated seasonal horticulture</li> <li>■ Manufacturing and industrial</li> <li>■ Mining</li> <li>■ Nature conservation</li> <li>■ Other minimal use</li> <li>■ Plantation forests</li> <li>■ Residential and farm infrastructure</li> </ul> | <ul style="list-style-type: none"> <li>■ Services</li> <li>■ Transport and communication</li> <li>■ Utilities</li> <li>■ Waste treatment and disposal</li> </ul> <p><b>AUS_NATION_POLYGON_states</b></p> <ul style="list-style-type: none"> <li>■ VIC_STATE_POLYGON_shp</li> </ul> <p><b>STATES_indv</b></p> <ul style="list-style-type: none"> <li>■ SA state polygon</li> </ul> |
|--|---|---|

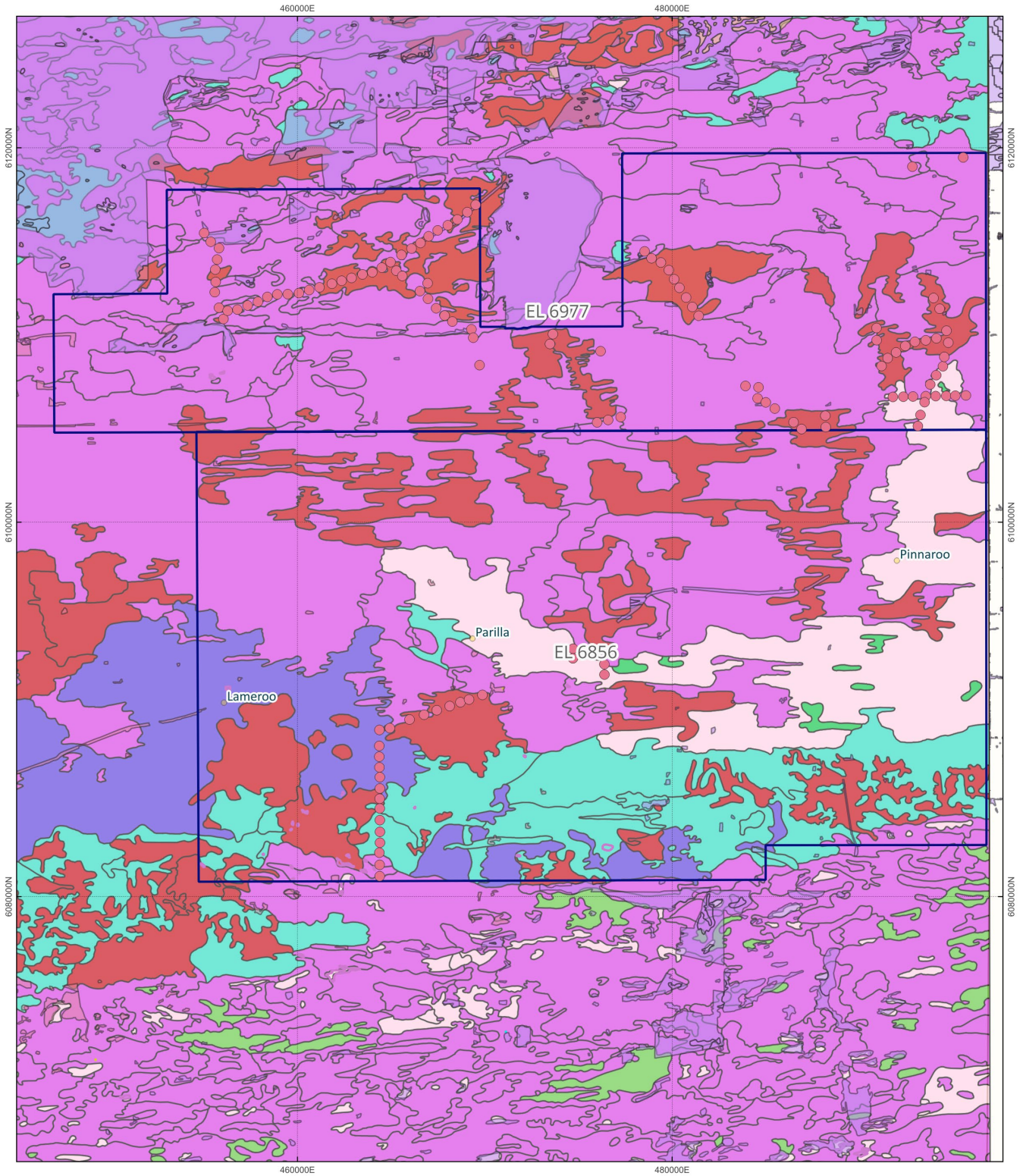
**EPEPR - EL6977 EL6856  
Land Use**

DATE: 05 MAY 2025  
KATHRYN BROWN  
EPSG:4283; Projection: GDA94

Scale 1:261,957

Disclaimer: This document was prepared by Australian Mines & Exploration Title Services Pty Ltd (AMETS). AMETS has taken all reasonable care in producing all the information contained in the document. However, AMETS accepts no responsibility where information provided by a third party that is relied on in good faith proves to be inaccurate or incomplete. Data displayed which is time sensitive should be considered current for the date of drafting only.  
Kathryn@amets.com.au; Kathryn@amets.com.au; AMETS/Mapping - Detail GIS\_Data/Workspaces/SA\_item/SA\_KALLI\_EPEPR.gpx

# Exploration PEPR application – 12-month period



**Clients**

**KAIL**

● KLR\_Lameroo\_DrillSites\_February2025

**Tenements**

Exploration Licences - Mineral or Opal

□ Kaili Gold Pty Ltd

**Topographic**

Towns & localities

● 5

**Environmental**

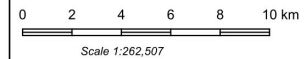
LANDSCAPE\_SALAD\_Soil\_Subgroup\_GDA2020

- Hard gradational clay loam
- Loam over poorly structured red clay
- Sandy loam over poorly structured brown or dark clay

- Sand over sandy clay lo
- Bleached sand over san
- Thick sand over clay
- Sand over poorly struct
- Bleached siliceous sand
- AUS\_NATION\_POLYGON\_std
- SA\_STATE\_POLYGON
- VIC\_STATE\_POLYGON

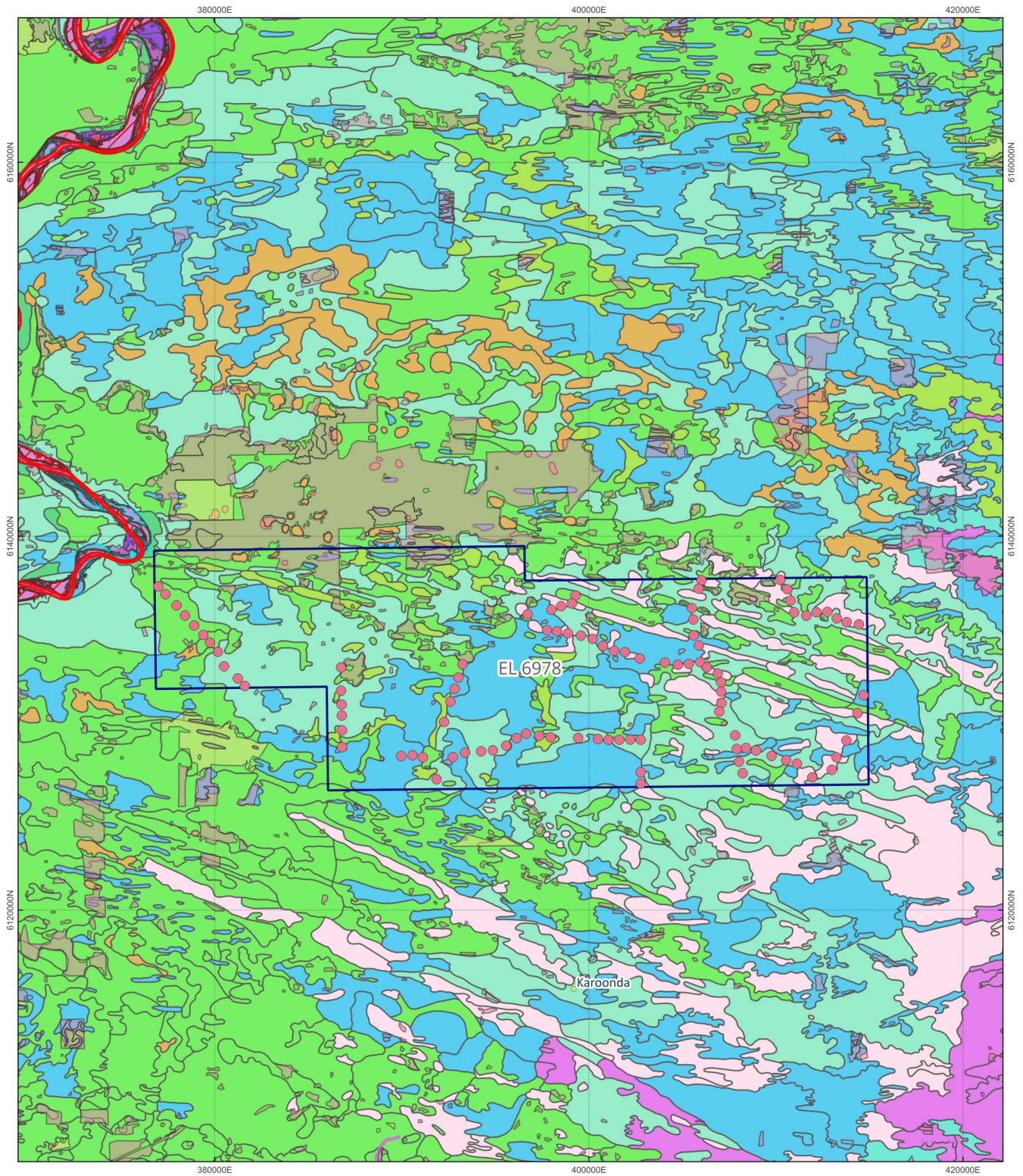
**EPEPR - EL6977 EL6856**  
**Soil Subgroups**

DATE: 05 MAY 2025  
Author: [%NameInitial(@User\_full\_name2) %]  
EPSG:4283; Projection: GDA94



Disclaimer: This document was prepared by Australian Mines & Exploration Title Services Pty Ltd (AMETS). AMETS has taken all reasonable care in producing all the information contained in the document. However, AMETS accepts no responsibility where information provided by a third party that is relied on as a good faith proves to be inaccurate or incomplete. Data displayed which is time sensitive should be considered current for the date of drafting only.

# Exploration PEPR application – 12-month period



**Clients**

**KAIL**

- KLR\_Lameroo\_DrillSites\_February2025

**Tenements**

**Exploration Licences - Mineral or Opal**

- Kaili Gold Pty Ltd

**Topographic**

**Towns & localities**

- 5

**Environmental LANDSCAPE\_SALAD\_Soil\_Subgroup\_GDA2020**

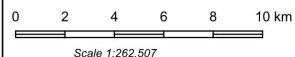
- Calcareous loam
- Shallow calcareous loam on calcrete
- Shallow sandy loam on calcrete
- Gradational sandy loam
- Hard gradational clay loam
- Loam over red clay
- Loam over poorly structured red clay
- Brown or grey cracking clay
- Sand over sandy clay loam
- Bleached sand over sandy clay loam
- Siliceous sand
- Bleached siliceous sand
- Wet soil (low to moderately saline)
- Rock
- Water

**AUS\_NATION\_POLYGON\_states**

- SA\_STATE\_POLYGON\_shp

**EPEPR - EL6978 Soil Subgroups**

DATE: 05 MAY 2025  
 Author: [%nameinitial(@user\_full\_name2) %]  
 EPSG:4283; Projection: GDA94



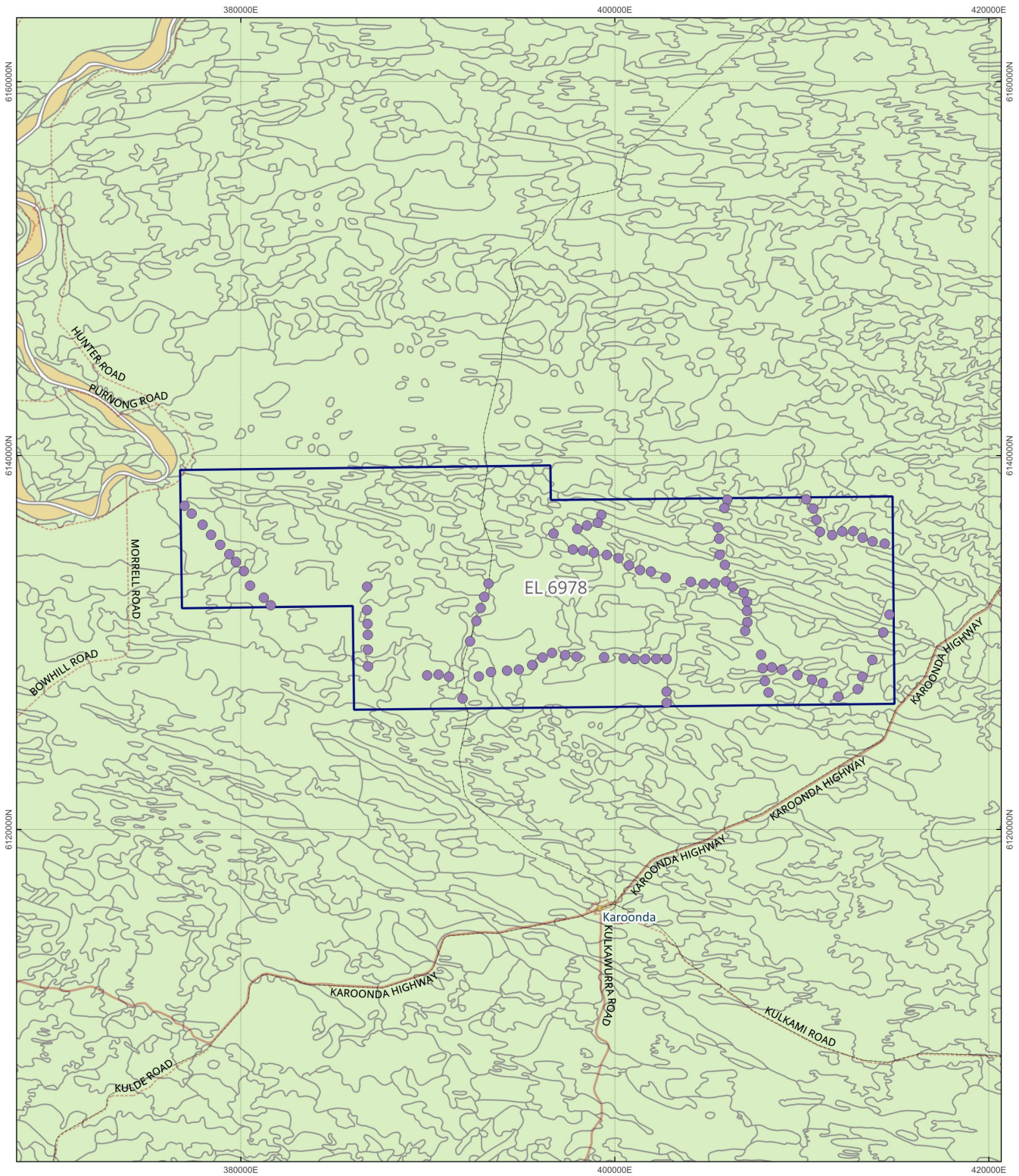
Scale 1:262,507

Disclaimer: This document was prepared by Australian Mines & Exploration Title Services Pty Ltd (AMETS). AMETS has taken all reasonable care in producing all the information contained in the document. However, AMETS accepts no responsibility where information provided by a third party that is relied on is found to be inaccurate or incomplete. Data displayed which is time sensitive should be considered current for the date of drafting only.

SA\_KAIL\_EPEPR\_12pt © 2025 KailiGold/AMETS/AMETS/Mapping - Data/OS, Data/AMETS/AMETS, Data/AMETS, KAILI\_EPEPR\_12pt



# Exploration PEPR application – 12-month period



- Tenements**
- KLR\_Lameroo\_DrillSites\_February2025
- Exploration Licences - Mineral or Opal**
- Kallii Gold Pty Ltd
- Topographic**
- Towns & localities**
- 5
- Roads**
- Arterial
  - COLL
  - Minor

- Environmental**
- Acid Sulfate Soil Potential**
- Negligible Potential
  - Potential for Localised (Patchy) Development
- STATES\_indv**
- SA state polygon
- Railway

**EPEPR - EL6978**  
**Acid Sulfate Soil Potential**

DATE: 05 MAY 2025  
 Author: [%nameinitial@user\_full\_name2 ] %  
 EPSG:4283; Projection: GDA94

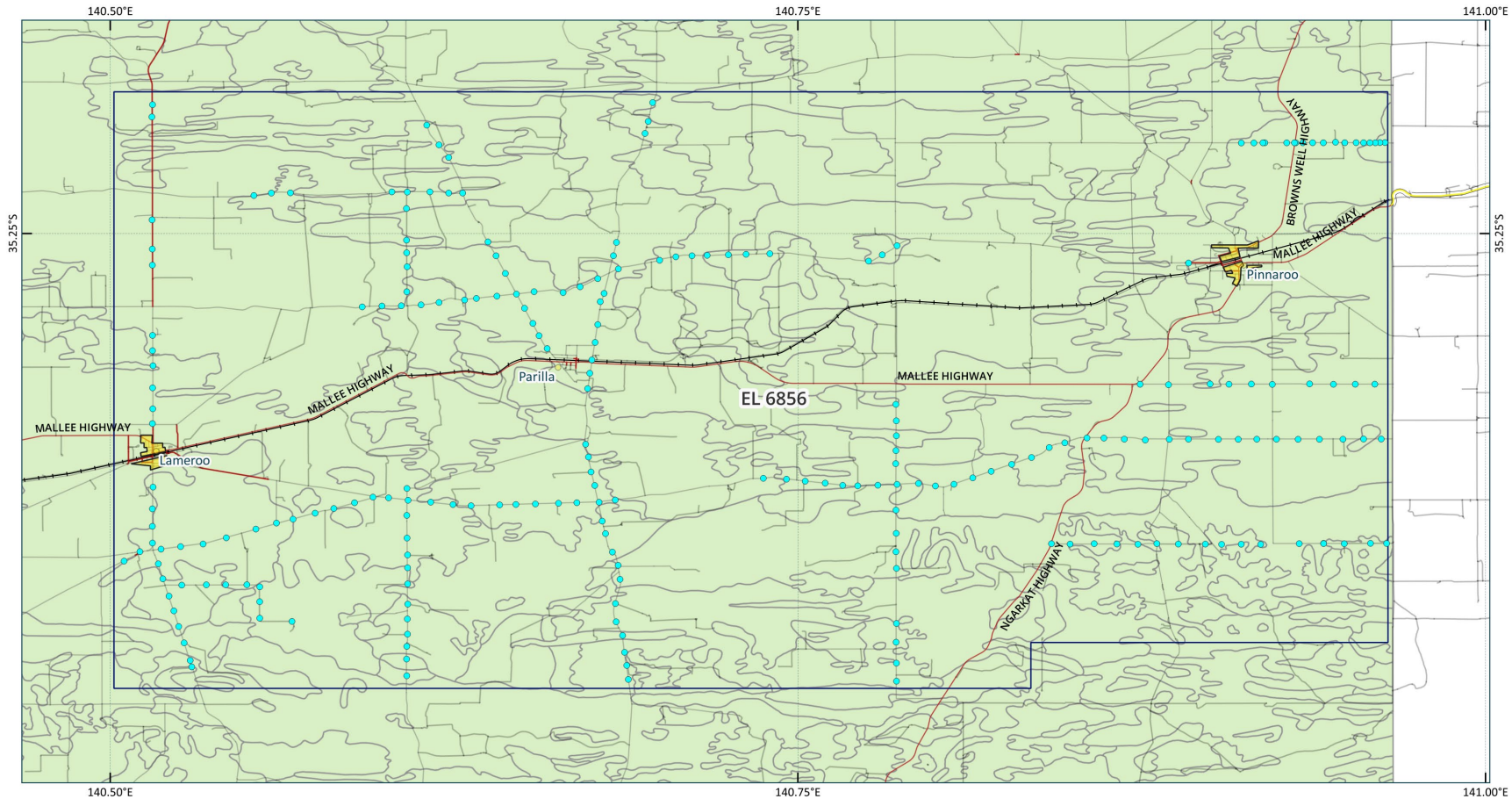
0 2 4 6 8 10 km

Scale 1:262,531

Disclaimer: This document was prepared by Australian Mines & Exploration Title Services Pty Ltd (AMETS). AMETS has taken all reasonable care in producing all the information contained in the document. However, AMETS accepts no responsibility where information provided by a third party that is relied on in good faith proves to be inaccurate or incomplete. Data displayed which is time sensitive should be considered current for the date of drafting only.

SA\_KALI\_EPEPR\_1pp  
 © CleverMap/AMETS/Mapping - Data: GIS, Data/Workshop/SA\_09/MSA\_KALI\_EPEPR\_1pp

# Exploration PEPR application – 12-month period



- Lameroo Drilling
- SOUTH AUSTRALIA**
- Tenements**
- Mineral Tenements - Exploration  
**Mineral\_and\_or\_Opal\_Exploration\_Licence**
- Topographic**
- Towns & localities**
- 5
  - Built up area
- Roads**
- Arterial
  - COLL
- Environmental**
- Acid Sulfate Soil Potential**
- Negligible Potential

- Highway
- LOCL
- TRK2
- Railway



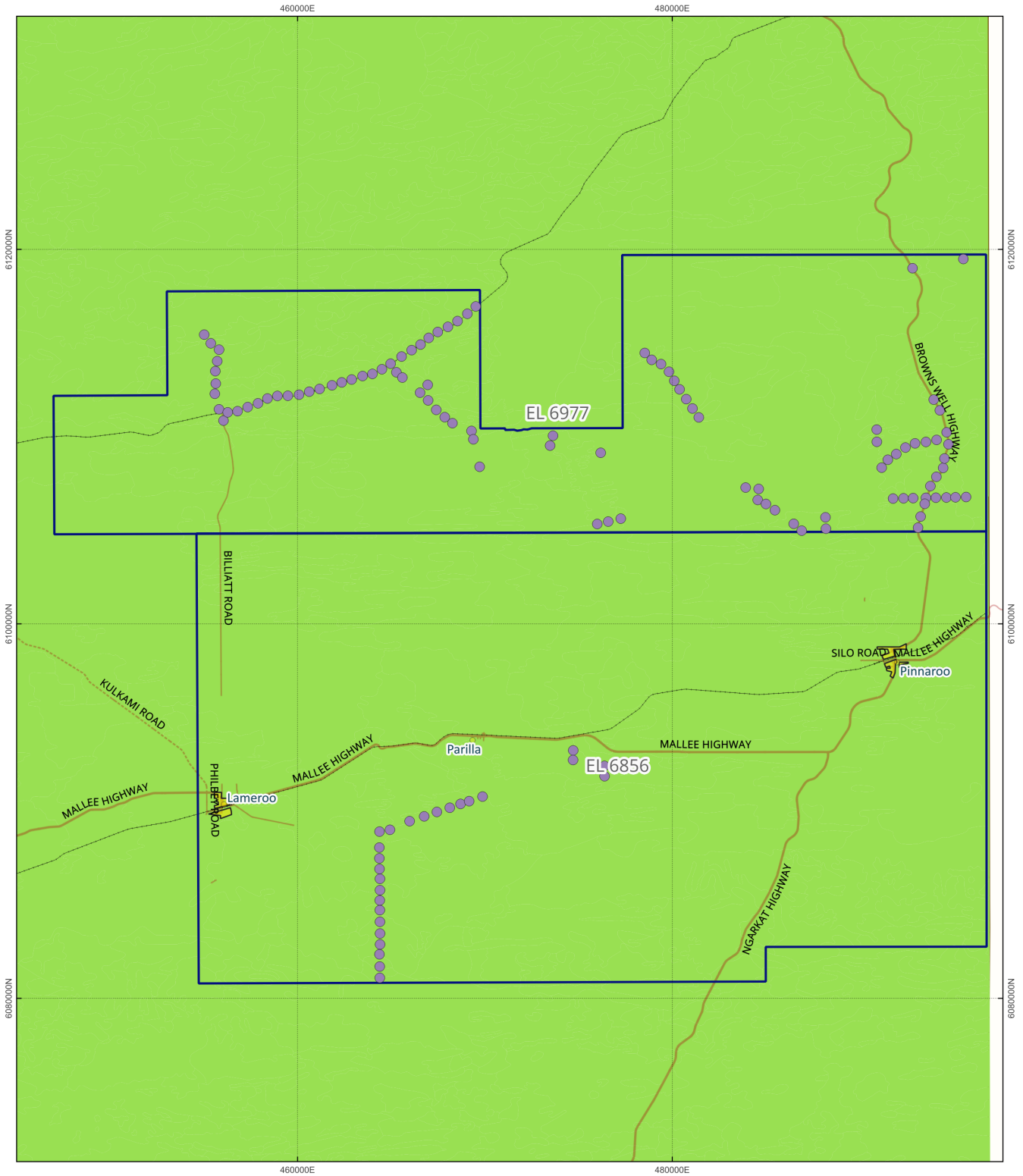
**EL6856 EPEPR**  
**Acid Sulfate Soil Potential**

**Date: 21 August 2023**  
**Author: RH**  
**EPSG:7844; Projection: GDA2020**

0 1 2 3 4 5 km  
 Scale 1:125,000

Disclaimer: This document was prepared by Australian Mining & Exploration Title Services Pty Ltd (AMETS). AMETS has taken all reasonable care in producing all the information contained in the document. However, AMETS accepts no responsibility where information provided by a third party that is relied on in good faith proves to be inaccurate or incomplete. Data sourced directly from relevant state authority server links and was current for date of drafting only.

# Exploration PEPR application – 12-month period



- Tenements**
- KLR\_Lameroo\_DrillSites\_February2025
  - Exploration Licences - Mineral or Opal
  - Kallit Gold Pty Ltd
- Topographic**
- Towns & localities**
- 5
  - Built up area
- Roads**
- Arterial
  - COLL
  - Highway
  - Minor

**Environmental**

**Water Erosion Potential**

This assessment is based on the potential for sheet and rill erosion, interpreted from slope and erodibility of soil landscape map units. Map units are classified according to the dominant water erosion potential class occurring. No account is taken of land cover or land use - i.e. the assessment is made on the inherent characteristics of the land.

■ Low

- AUS\_NATION\_POLYGON\_st**
- VIC\_STATE\_POLYGON
- STATES\_indv**
- SA state polygon

**EPEPR - EL6977 EL6856**  
**Water Erosion Potential**

DATE: 05/05/2025  
Author: Kathryn Brown  
EPSG: 4283; Projection: GDA94

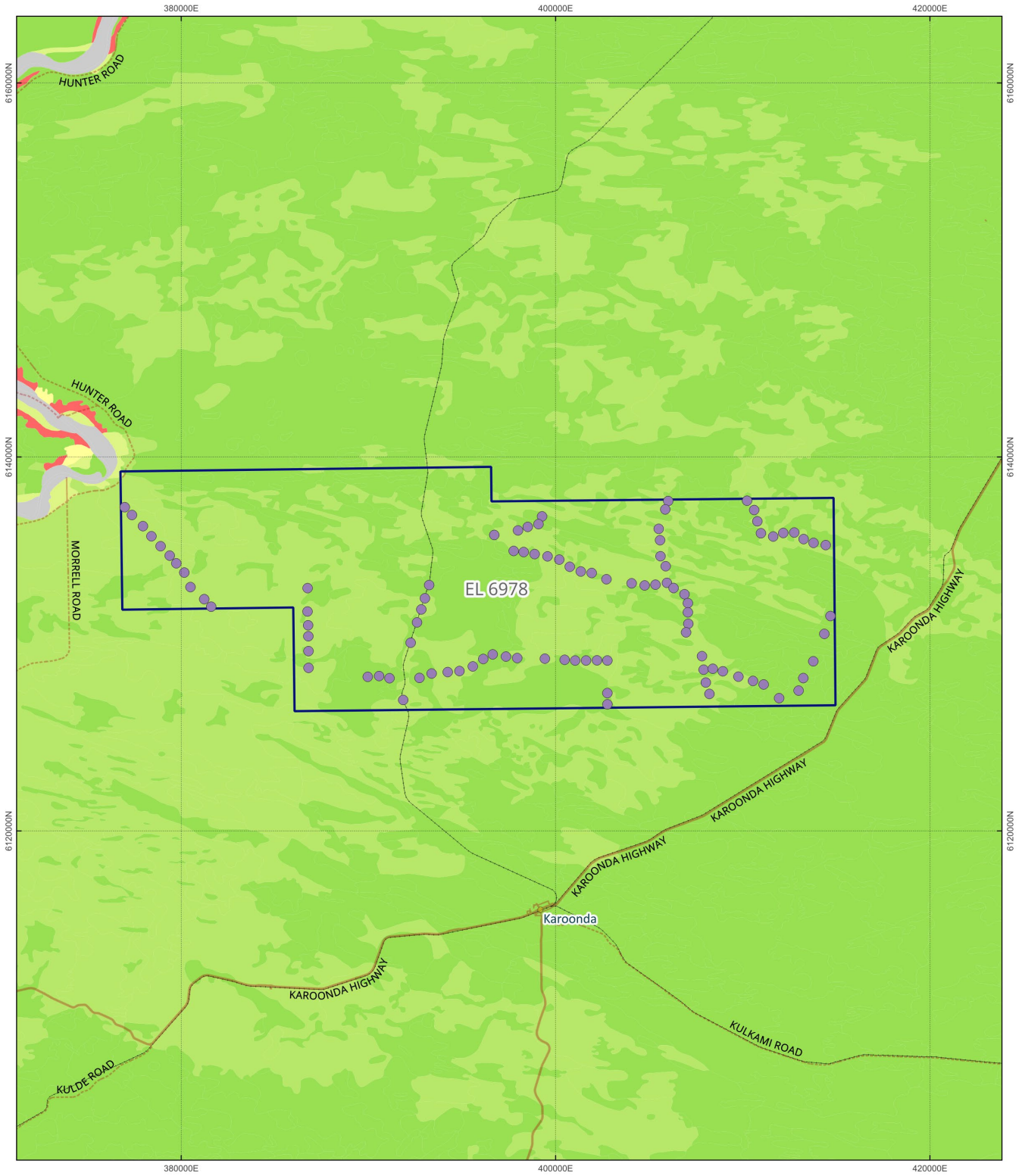
0 2 4 6 8 10 km

Scale 1:262,472

Disclaimer: This document was prepared by Australian Minerals & Exploration Title Services Pty Ltd (AMETS). AMETS has taken all reasonable care in producing all the information contained in the document. However, AMETS accepts no responsibility where information provided by a third party that is relied on in good faith proves to be inaccurate or incomplete. Data displayed which is time sensitive should be considered current for the date of drafting only.

SA\_KALI\_EPEPR.apr  
C:\Users\kathryn@amets.com\AMETS\Mapping - Data\GIS\_Data\Workspaces\SA\_denv\SA\_KALI\_EPEPR.apr

Exploration PEPR application – 12-month period



**Tenements**

- KLR\_Lameroo\_DrillSites\_February2025
- Exploration Licences - Mineral or Opal
- Kallii Gold Pty Ltd

**Topographic**

**Towns & localities**

- 5

**Roads**

- Arterial
- COLL
- Minor
- Railway

**Environmental**

**Water Erosion Potential**

This assessment is based on the potential for sheet and rill erosion, interpreted from slope and erodibility of soil landscape map units. Map units are classified according to the dominant water erosion potential class occurring. No account is taken of land cover or land use - i.e. the assessment is made on the inherent characteristics of the land.

- Low
- Moderately low
- Moderate
- Moderately high
- Extreme
- Not applicable

**STATES\_indv**

- SA state polygon

**EPEPR - EL6978**  
**Water Erosion Potential**

DATE: 05/05/2025  
Author: Kathryn Brown  
EPSG: 4283; Projection: GDA94

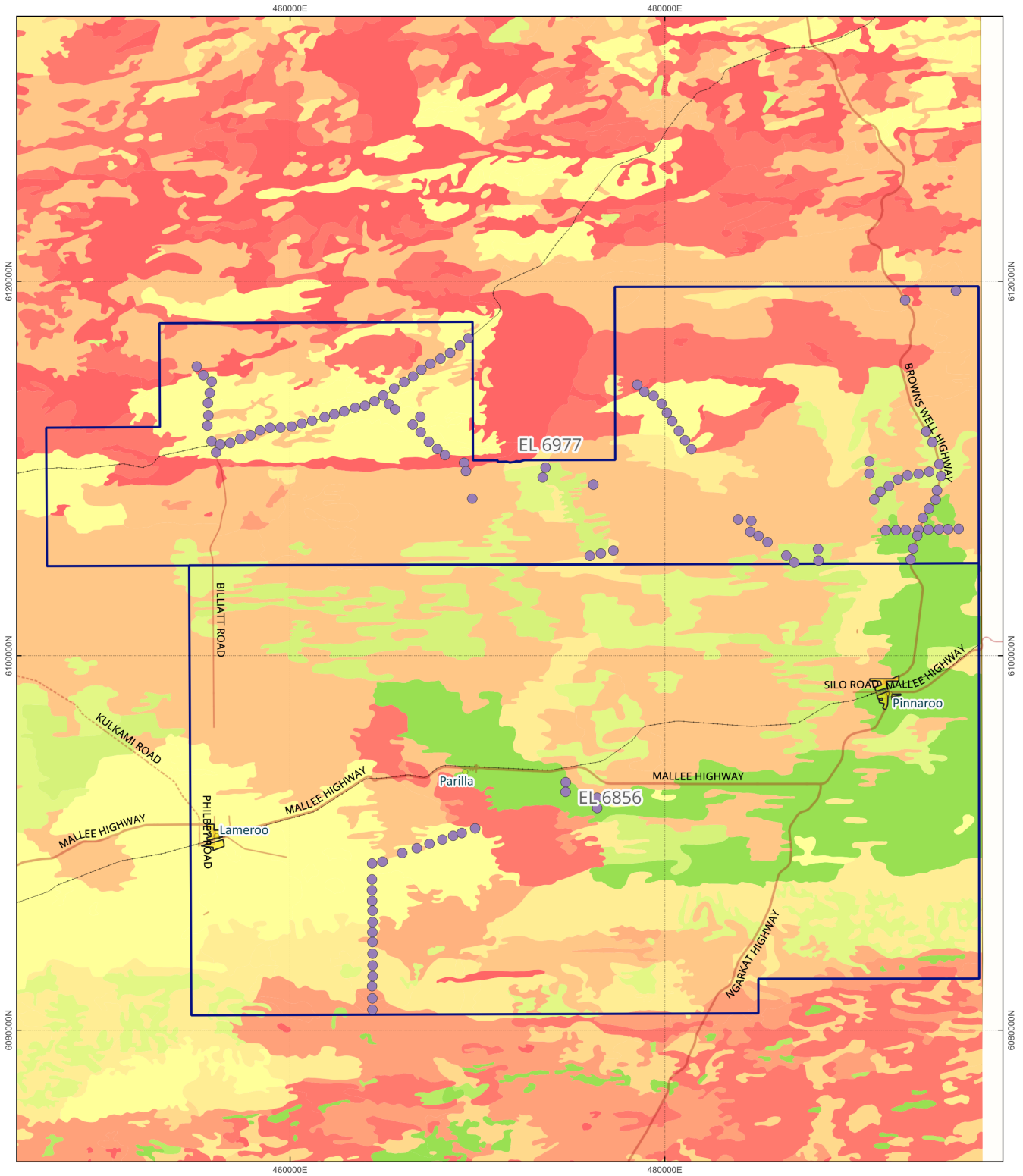
0 2 4 6 8 10 km

Scale 1:262,472

Disclaimer: This document was prepared by Australian Mining & Exploration Title Services Pty Ltd (AMETS). AMETS has taken all reasonable care in producing all the information contained in this document. However, AMETS accepts no responsibility where information provided by a third party that is relied on in good faith proves to be inaccurate or incomplete. Data displayed which is time sensitive should be considered current for the date of drafting only.

SA\_KALI\_EPEPR.aprx  
© Australian Mining & Exploration Title Services Pty Ltd, 2025. All Rights Reserved. 05/05/2025, KALI\_EPEPR.aprx

# Exploration PEPR application – 12-month period



**Tenements**  
 ● KLR\_Lameroo\_DrillSites\_February2025  
 Exploration Licences - Mineral or Opal  
 ■ Kaili Gold Pty Ltd

**Topographic**  
 Towns & localities  
 ● 5  
 ■ Built up area  
**Roads**  
 — Arterial  
 — COLL  
 — Highway  
 - - - Minor  
 - - - Railway

**Environmental**  
**Wind Erosion Potential**  
 The map is based on an interpretation of soil landscape map units. Many map units are dune - swale systems, where wind erosion potential varies widely; therefore proportions of erosion potential classes also varies significantly. The 16 classes shown on the map account for both the degree of wind erosion potential and the variability of potential within map units.

DOMINANT		SUBDOMINANT	
■ Low	-	■ Moderately high to extreme	
■ Low	-	■ Moderately high to extreme	
■ Moderately low	-		

■ Moderately low  
 ■ Moderate  
 ■ Moderate  
 ■ Moderate  
 ■ Moderately high  
 ■ Moderately high  
 ■ Moderately high  
 ■ High to extreme  
 ■ High to extreme  
**AUS\_NATION\_POLY**  
 ■ VIC\_STATE\_POLY  
**STATES\_indv**  
 ■ SA state polygc

## EPEPR - EL6977 EL6856

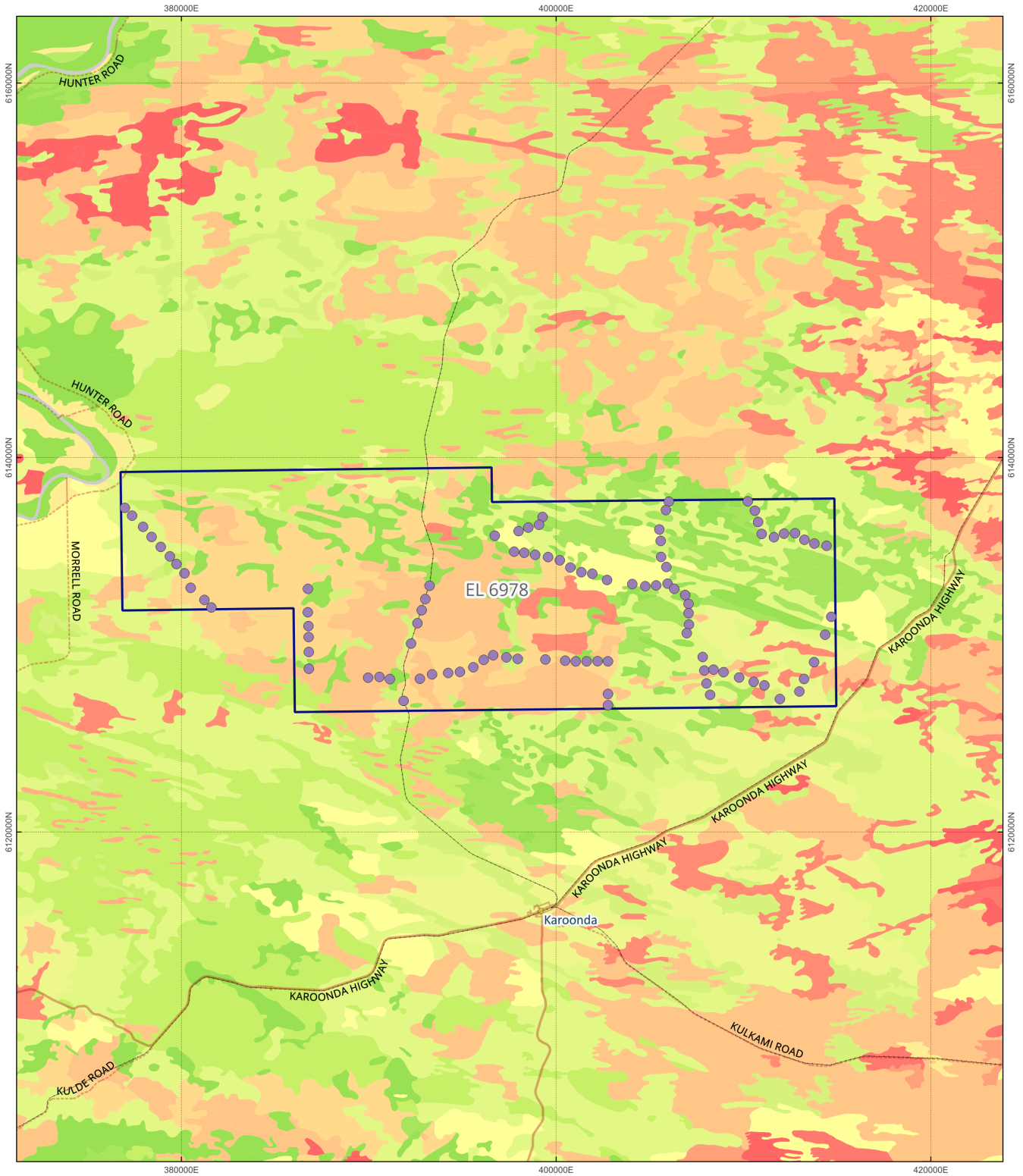
### Wind Erosion Potential

DATE: 05 MAY 2025  
 Author: Kathryn Brown  
 EPSG:4283; Projection: GDA94

Scale 1:262,472

Disclaimer: This document was prepared by Australian Minerals & Exploration Title Services Pty Ltd (AMETS). AMETS has taken all reasonable care in producing all the information contained in the document. However, AMETS accepts no responsibility where information provided by a third party that is relied on is found to be inaccurate or incomplete. Data displayed which is time sensitive should be considered current for the date of drafting only.

# Exploration PEPR application – 12-month period



- Tenements**
- KLR\_Lameroo\_DrillSites\_February2025
  - Exploration Licences - Mineral or Opal
  - Kall Gold Pty Ltd
- Topographic**
- Towns & localities**
- 5
- Roads**
- Arterial
  - COLL
  - Minor
  - Railway

**Environmental**

**Wind Erosion Potential**

The map is based on an interpretation of soil landscape map units. Many map units are dune - swale systems, where wind erosion potential varies widely; therefore proportions of erosion potential classes also varies significantly. The 16 classes shown on the map account for both the degree of wind erosion potential and the variability of potential within map units.

	DOMINANT	SUBDOMINANT
Low	Low	-
Low	Low	Moderately low to moderate
Low	Low	Moderately high to extreme
Moderately low	Moderately low	Low
Moderately low	Moderately low	-

- Moderately low
  - Moderately low
  - Moderate
  - Moderate
  - Moderate
  - Moderately high
  - Moderately high
  - Moderately high
  - High to extreme
  - High to extreme
  - High to extreme
  - Not applicable
- STATES\_indv**
- SA state polyg

**EPEPR - EL6978**  
**Wind Erosion Potential**

DATE: 05 MAY 2025  
Author: Kathryn Brown  
EPSG:4283; Projection: GDA94

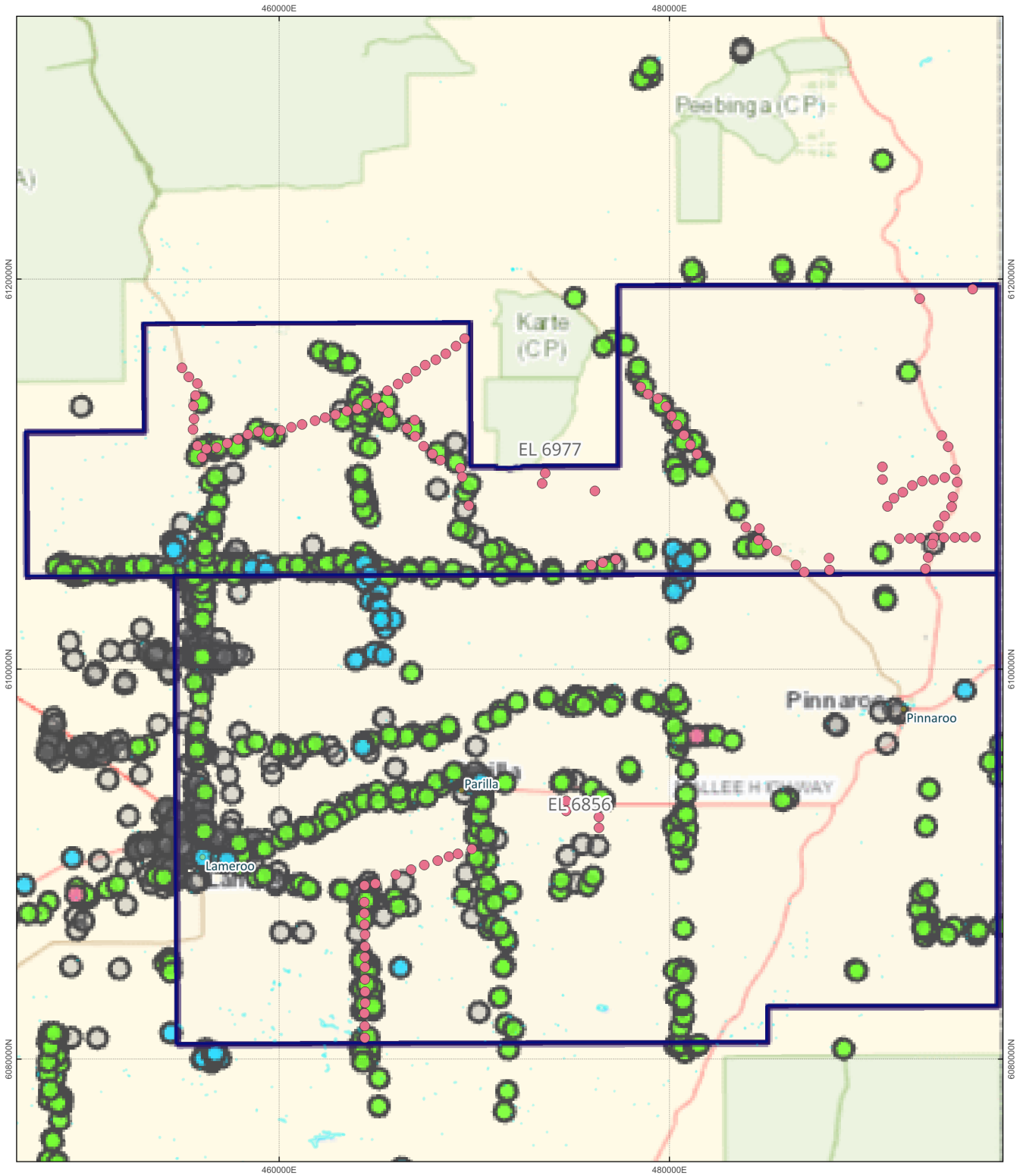
0 2 4 6 8 10 km

Scale 1:262,472

Disclaimer: This document was prepared by Australian Mining & Exploration Title Services Pty Ltd (AMETS). AMETS has taken all reasonable care in producing all the information contained in the document. However, AMETS accepts no responsibility where information provided by a third party that is relied on in good faith proves to be inaccurate or incomplete. Data displayed which is time sensitive should be considered current for the date of drafting only.

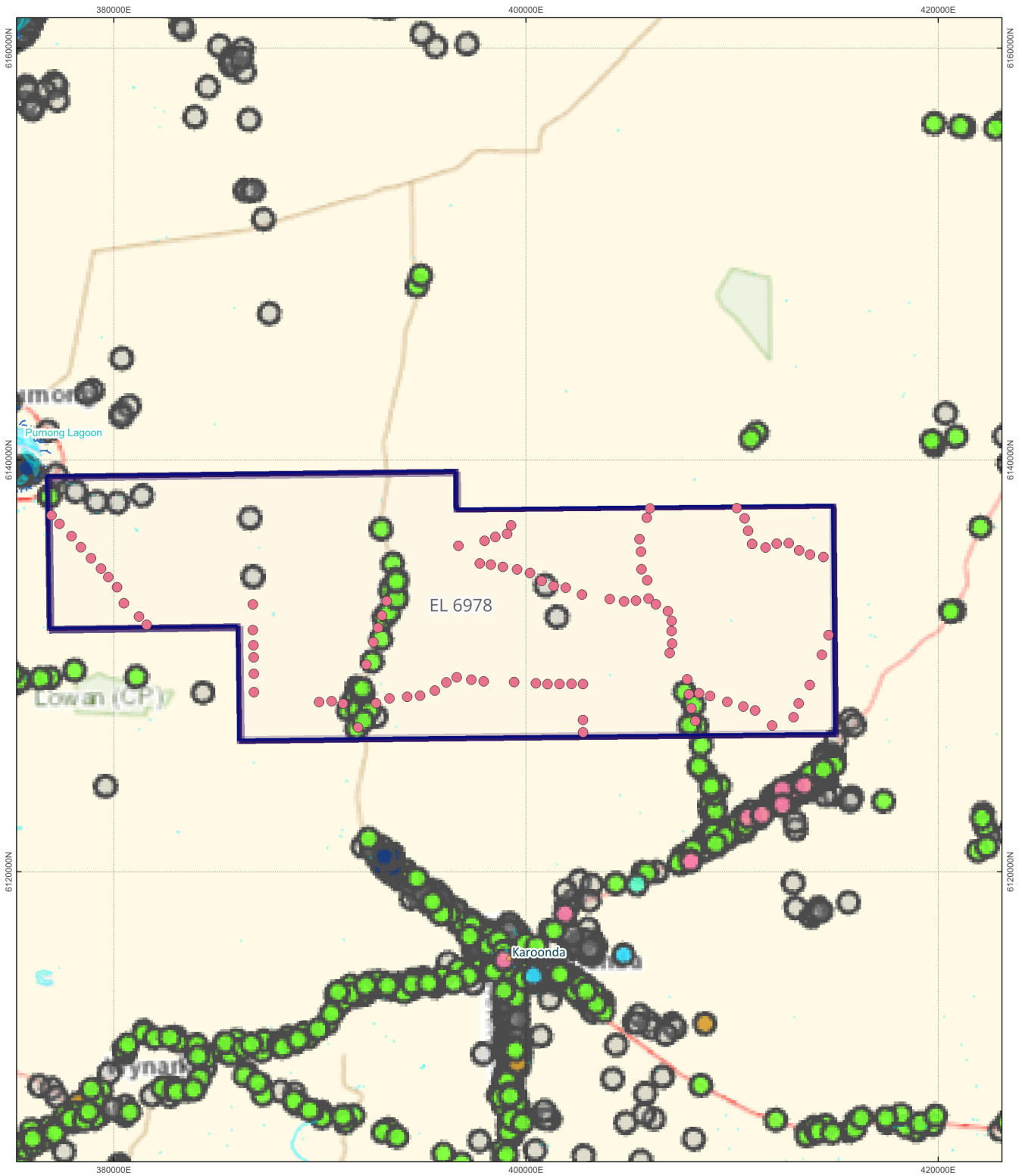
SA\_KALI\_EPEPR.apr  
© Australian Mining & Exploration Title Services Pty Ltd

# Exploration PEPR application – 12-month period



<p><b>Clients</b></p> <p><b>KAIL</b></p> <ul style="list-style-type: none"> <li>● KLR_Lameroo_DrillSites_February2025</li> </ul> <p><b>Tenements</b></p> <p>Exploration Licences - Mineral or Opal</p> <ul style="list-style-type: none"> <li>▭ Kaili Gold Pty Ltd</li> </ul>	<p><b>Topographic</b></p> <p>Towns &amp; localities</p> <ul style="list-style-type: none"> <li>○ 5</li> </ul> <p><b>Environmental</b></p> <ul style="list-style-type: none"> <li>■ Waterbodies</li> </ul>	<p><b>AUS_NATION_POLYGON_states</b></p> <ul style="list-style-type: none"> <li>▭ SA_STATE_POLYGON_shp</li> <li>▭ VIC_STATE_POLYGON_shp</li> </ul>	<ul style="list-style-type: none"> <li>■ Wheel Pear</li> <li>■ Bridal Creeper</li> <li>■ Boneseed</li> <li>■ Devil's Rope Pear</li> <li>■ Erect Prickly Pear</li> <li>■ Riverina Pear</li> <li>■ Weeping Willow</li> <li>■ Blackberry</li> <li>■ Buffel Grass</li> <li>■ Drooping Prickly Pear</li> <li>■ Gorse</li> <li>■ Silver-leaf Nightshade</li> </ul>	<p><b>EPEPR - EL6977 EL6856</b></p> <p><b>Weeds of National Significance</b></p> <p>DATE: 05 MAY 2025          Author: Kathryn Brown          EPSG:28354; Projection: GDA94 / MGA zone 54</p> <p>0 2 4 6 8 10 km</p> <p>Scale 1:252,000</p> <p><small>Disclaimer: This document was prepared by Australian Mines &amp; Exploration Title Services Pty Ltd (AMETS). AMETS has taken all reasonable care in producing all the information contained in this document. However, AMETS accepts no responsibility where information provided by a third party that is relied on in good faith proves to be inaccurate or incomplete. Data displayed which is time sensitive should be considered current for the date of drafting only.</small></p>
---	---	---	--	--

# Exploration PEPR application – 12-month period



### Clients

#### KAIL

● KLR\_Lameroo\_DrillSites\_February2025

#### Tenements

● KLR\_Lameroo\_DrillSites\_February2025

### Exploration Licences - Mineral or Opal

■ Kaili Gold Pty Ltd

### Topographic

● 5

### Environmental

— Watercourses

### Waterbodies

■ AUS\_NATION

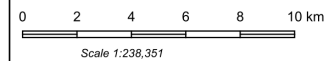
■ SA\_ST

Wheel Pear	■
Bridal Creeper	■
Boneseed	■
Devil's Rope Pear	■
Erect Prickly Pear	■
Riverina Pear	■
Weeping Willow	■
Blackberry	■
Buffel Grass	■
Drooping Prickly Pear	■
Gorse	■
Silver-leaf Nightshade	■

## EPEPR - EL6977

### Weeds of National Significance

DATE: 05 MAY 2025  
 Author: Kathryn Brown  
 EPSG:28354; Projection: GDA94 / MGA zone 54

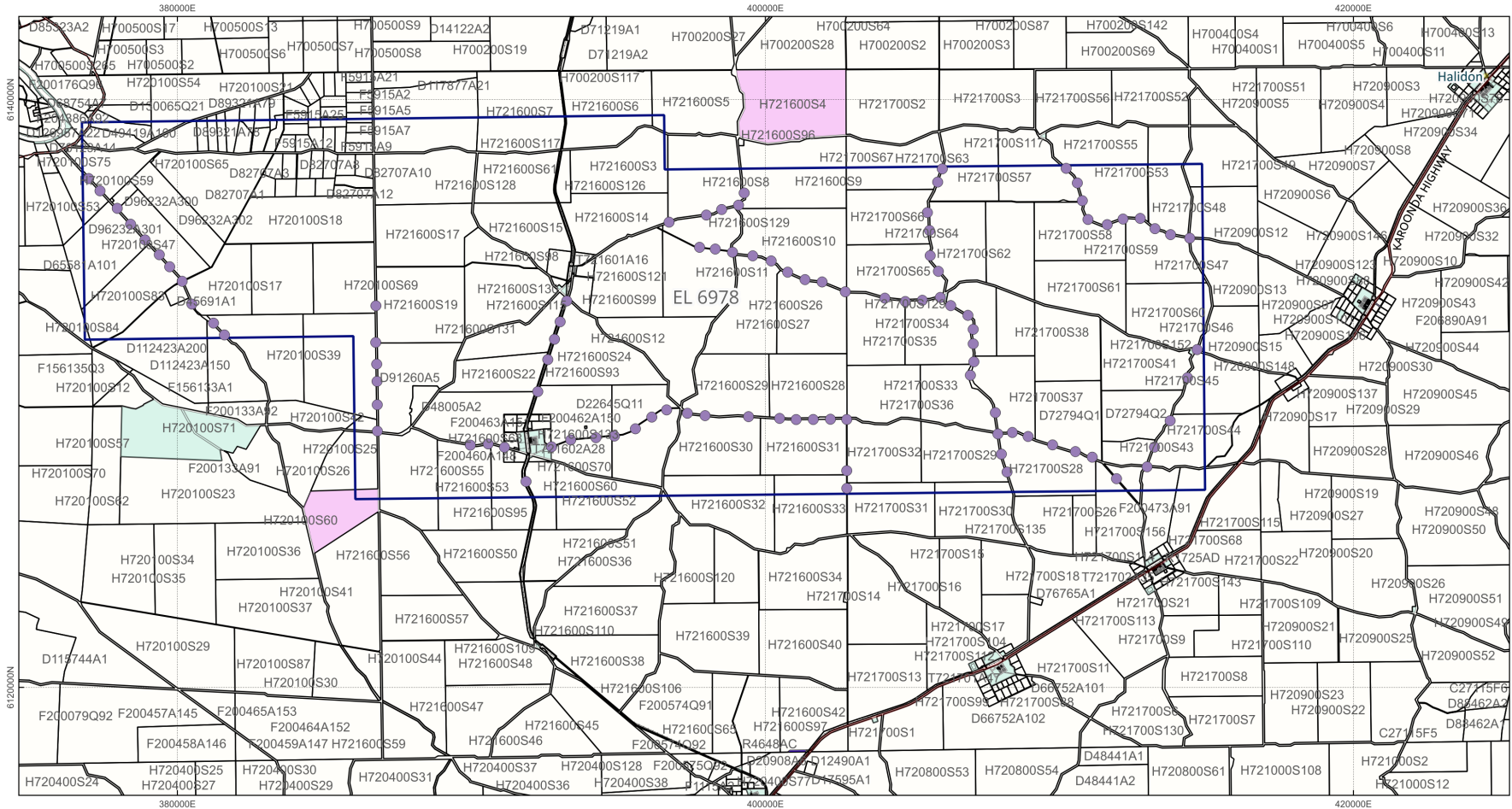


Disclaimer: This document was prepared by Australian Mines & Exploration Title Services Pty Ltd (AMETS). AMETS has taken all reasonable care in producing all the information contained in the document. However, AMETS accepts no responsibility where information provided by a third party that is relied on in good faith proves to be inaccurate or incomplete. Data displayed which is time sensitive should be considered current for the date of drafting only.

SA\_KAIL\_EPEPR.aprx  
 © 2025 Kathryn Brown/AMETS/Mapping - Data2GIS\_Data/Workspaces/SA\_dlm/SA\_KAIL\_EPEPR.aprx



# Exploration PEPR application – 12-month period



<p><b>Tenements</b></p> <ul style="list-style-type: none"> <li>● KLR_Lameroo_DrillSites_February2025</li> </ul> <p><b>Exploration Licences - Mineral or Opal</b></p> <ul style="list-style-type: none"> <li>▭ Kailli Gold Pty Ltd</li> </ul> <p><b>Topographic</b></p> <p><b>Towns &amp; localities</b></p> <ul style="list-style-type: none"> <li>● 5</li> </ul>	<p><b>Roads</b></p> <ul style="list-style-type: none"> <li>— Arterial</li> <li>— Minor</li> <li>— Railway</li> </ul>	<p><b>Cadastral</b></p> <p><b>SA parcel_cadastrate</b></p> <ul style="list-style-type: none"> <li>▭ Crown Lease</li> <li>▭ Crown Record</li> <li>▭ Certificate of Title (freehold)</li> </ul> <p><b>STATES_indv</b></p> <ul style="list-style-type: none"> <li>▭ SA state polygon</li> </ul>
---	--	--

**EPEPR EL6978**  
Cadastral

**DATE: 05 MAY 2025**  
**AUTHOR: KATHRYN BROWN**  
EPSG:28354; Projection: GDA94 / MGA zone 54

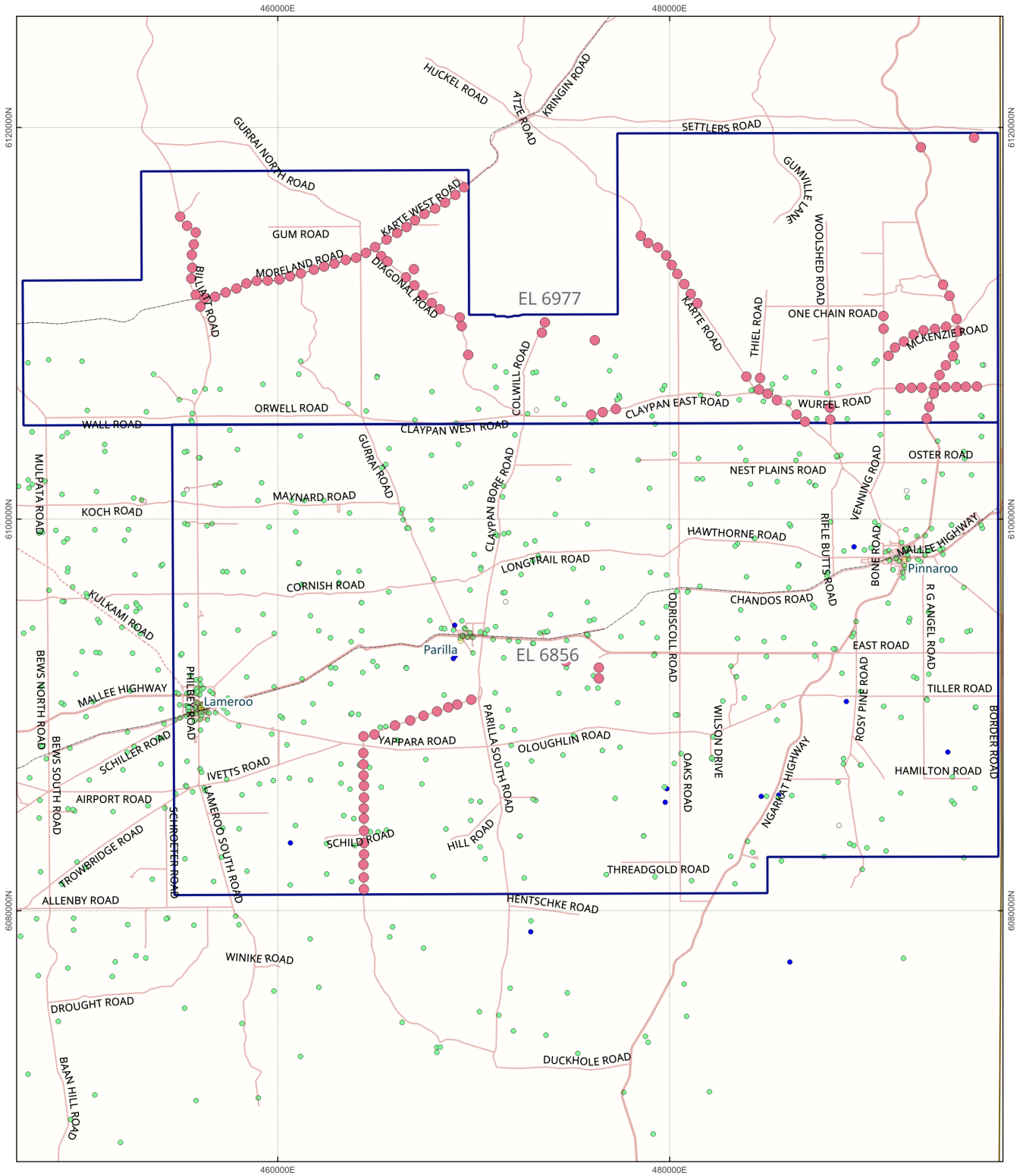
N

0 1 2 3 4 5 km

Scale 1:176,186

Disclaimer: This document was prepared by Australian Mining & Exploration Title Services Pty Ltd (AMETS). AMETS has taken all reasonable care in preparing all the information contained in this document. However, AMETS accepts no responsibility where information provided by a third party that is relied on is incorrect or incomplete. Data supplied which is more recent should be considered current for the date of drafting only.

# Exploration PEPR application – 12-month period



**Clients**  
**KAIL**  
 ● KLR\_Lameroo\_DrillSites\_February2025

**Tenements**  
 Exploration Licences - Mineral or Opal  
 ■ Kaili Gold Pty Ltd

**Topographic**  
 Towns & localities  
 ● 5

**Roads**  
 — Arterial  
 — COLL  
 — Highway  
 — LOCL  
 — Minor  
 — Railway

**Environmental**  
 Depth to Water  
 ○ 0 - 40  
 ● 40 - 80  
 ● 80 - 120

**AUS\_NATION\_POLYGON\_states**  
 ■ SA\_STATE\_POLYGON\_shp  
 ■ VIC\_STATE\_POLYGON\_shp

**EPEPR EL6977 EL6856**  
**Depth to Water**

DATE: 05 MAY 2025  
 AUTHOR: KATHRYN BROWN  
 EPSG:28354; Projection: GDA94 / MGA zone 54

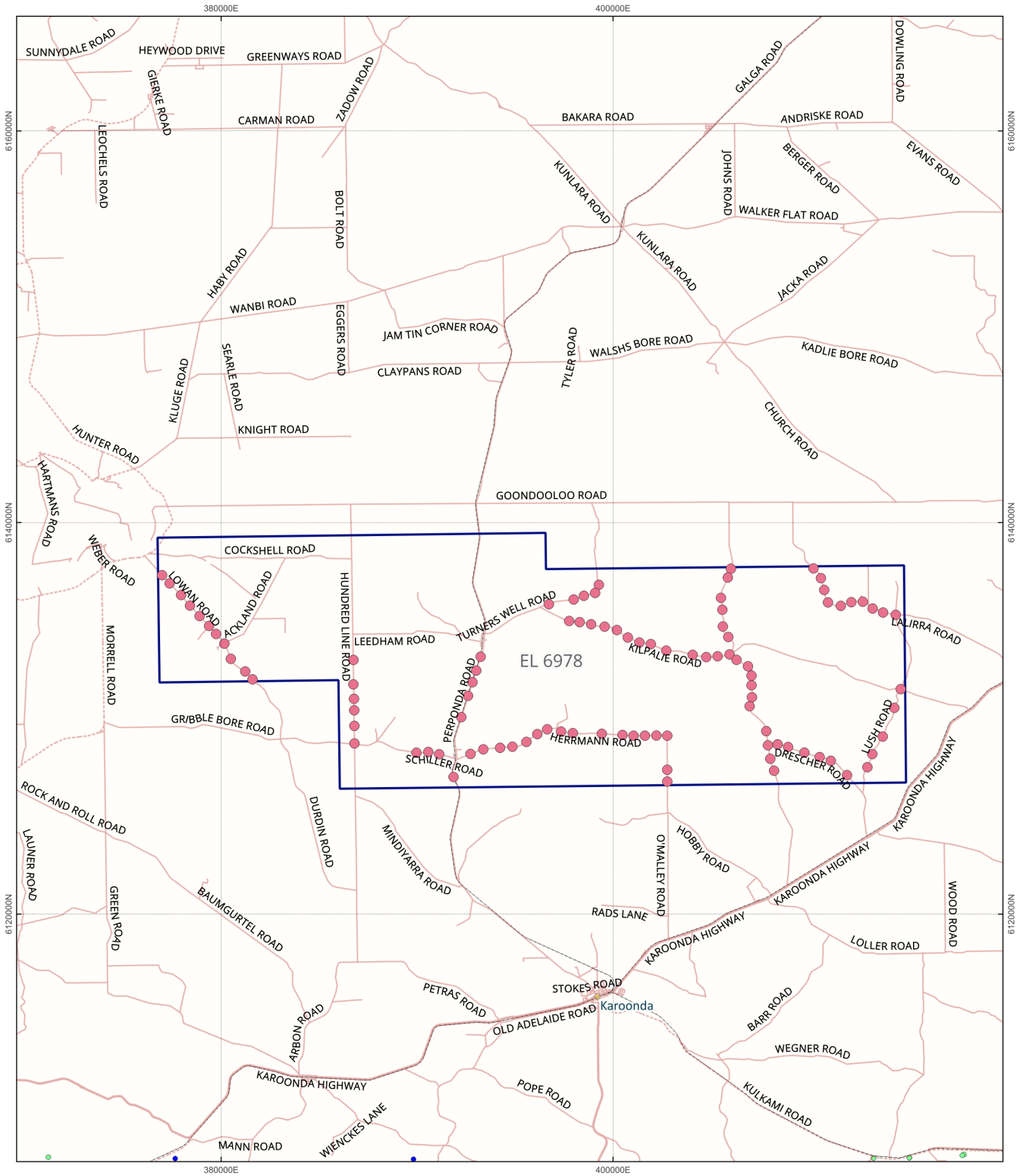
N

0 2 4 6 8 10 km

Scale 1:251,000

Disclaimer: This document was prepared by Australian Mines & Exploration Title Services Pty Ltd (AMETS). AMETS has taken all reasonable care in producing all the information contained in this document. However, AMETS accepts no responsibility where information provided by a third party that is relied on in good faith proves to be inaccurate or incomplete. Data displayed which is time sensitive should be considered correct for the date of drafting only.  
 SA\_KAIL\_EPEPR.dwg  
 © Kathryn Brown/AMETS/Mapping - Data2GIS\_Data/Workshops/SA\_dkm/SA\_KAIL\_EPEPR.dwg

# Exploration PEPR application – 12-month period



### Clients

**KAIL**  
 ● KLR\_Lameroo\_DrillSites\_February2025

**Tenements**  
 Exploration Licences - Mineral or Opal  
 ■ Kaili Gold Pty Ltd

### Topographic

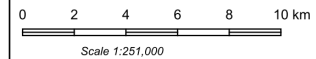
Towns & localities  
 ● 5  
**Roads**  
 — Arterial  
 — COLL  
 — LOCL  
 - - - Minor  
 - - - Railway

### Environmental

Depth to Water  
 ● 40 - 80  
 ● 80 - 120  
**AUS\_NATION\_POLYGON\_states**  
 ■ SA\_STATE\_POLYGON\_shp

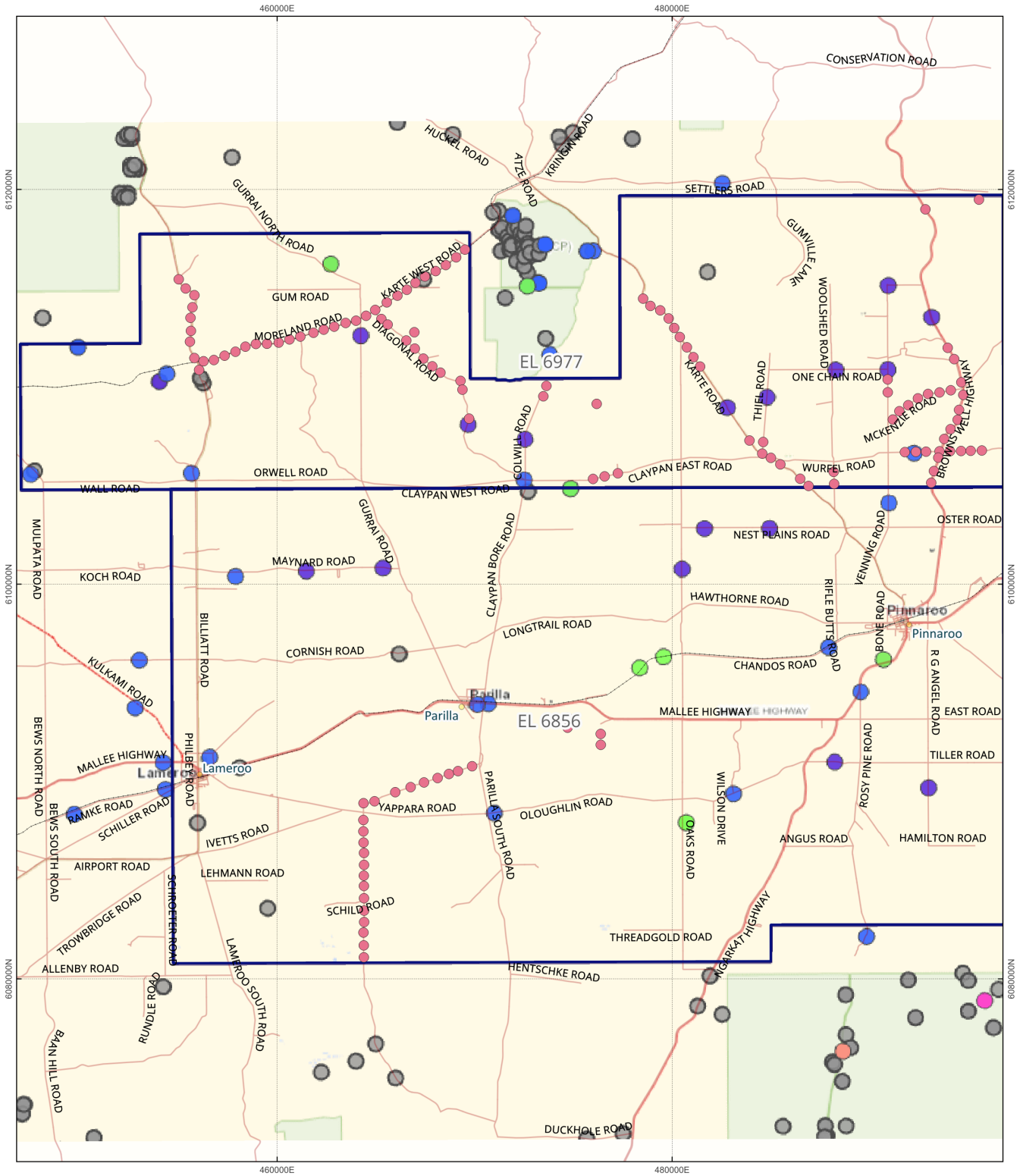
## EPEPR EL6978 Depth to Water

DATE: 06 MAY 2025  
 AUTHOR: KATHRYN BROWN  
 EPSG:28354; Projection: GDA94 / MGA zone 54



Disclaimer: This document was prepared by Australian Minerals & Exploration Title Services Pty Ltd (AMETS). AMETS has taken all reasonable care in producing all the information contained in the document. However, AMETS accepts no responsibility where information provided by a third party that is relied on is found to be inaccurate or incomplete. Data displayed which is time sensitive should be considered current for the date of drafting only.  
 SA\_KAIL\_EPEPR.gpp  
 © 2025 Kathryn Brown/AMETS/Mapping - Data2GIS\_Data/Workspaces/SA\_dms/SA\_KAIL\_EPEPR.gpp

Exploration PEPR application – 12-month period



Clients

**KAIL**  
 ● KLR\_Lameroo\_DrillSites\_February2025

**Tenements**  
 Exploration Licences - Mineral or Opal  
 ■ Kaili Gold Pty Ltd

**Topographic**  
 Towns & localities  
 ● 5

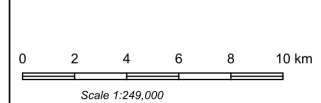
**Roads**  
 — Arterial  
 — COLL  
 — LOCL  
 - - - Minor  
 — Railway

**Environmental**

Peregrine Falcon	■
Yellow-throated Miner (complex)	■
White-winged Chough	■
Plumed Egret	■
Little Eagle	■
Little Egret	■
Striped Honeyeater	■
Eastern Cattle Egret	■
Hooded Robin (YP, MN, AP, ML...)	■
Mallee Emuwaren	■
Southern Emuwaren (South East)	■
Scarlet-chested Parrot	■

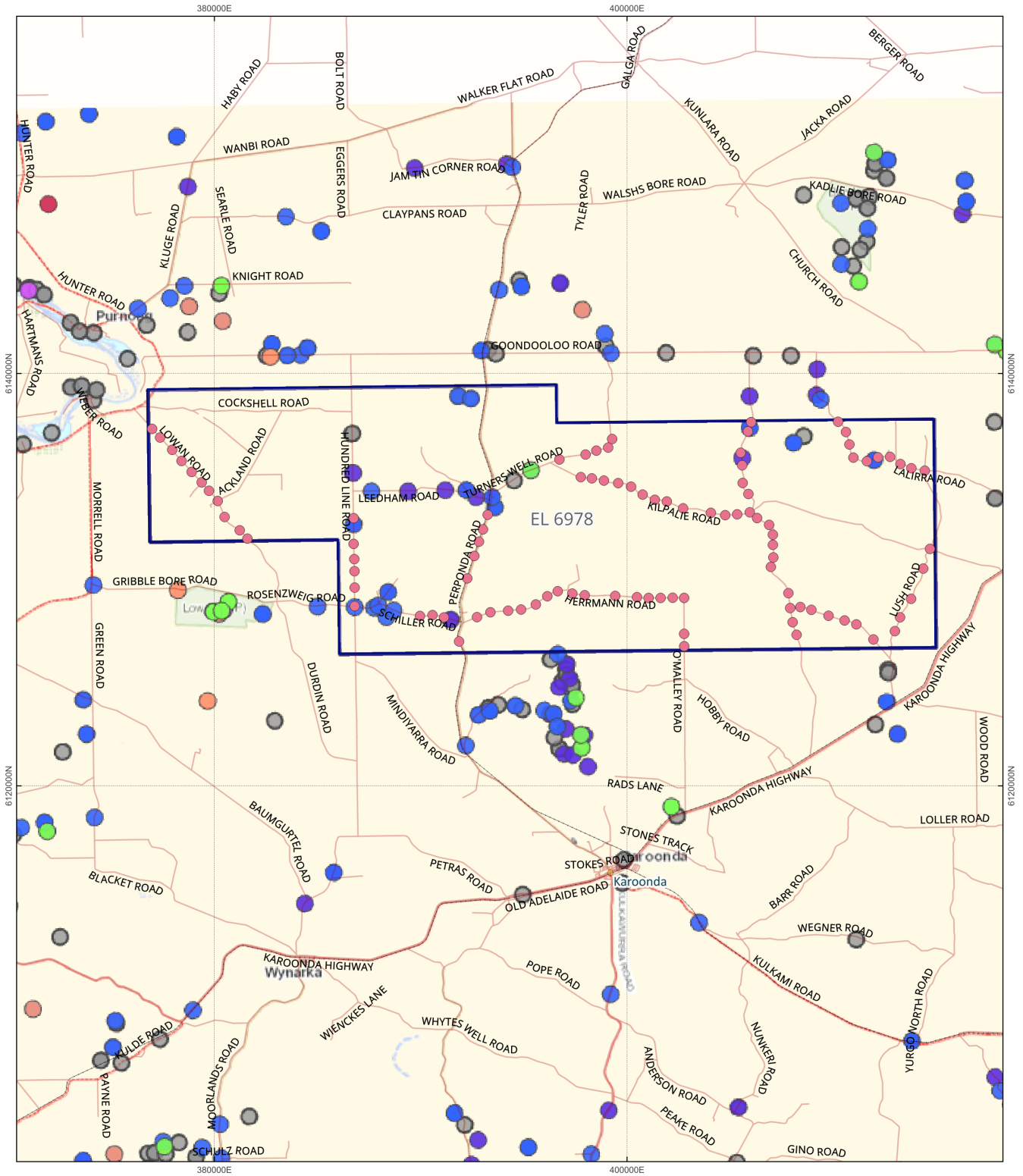
**EPEPR - EL6977 EL6856  
 Fauna Sites**

DATE: 06 MAY 2025  
 Author: Kathryn Brown  
 EPSG:28354; Projection: GDA94 / MGA zone 54



Disclaimer: This document was prepared by Australian Miners & Exploration Title Services Pty Ltd (AMETS). AMETS has taken all reasonable care in producing all the information contained in this document. However, AMETS accepts no responsibility where information provided by a third party that is relied on as a good faith proves to be inaccurate or incomplete. Data displayed which is time sensitive should be considered current for the date of drafting only.  
 SA\_KAIL\_EPEPR.apr  
 © 2025 Kathryn Brown/AMETS/Mapping - Data2GIS\_DataWorkshops/SA\_dsm/SA\_KAIL\_EPEPR.apr

# Exploration PEPR application – 12-month period



### Clients

- KAIL**  
 ● KLR\_Lameroo\_DrillSites\_February2025

- Tenements**  
 Exploration Licences - Mineral or Opal  
 ■ Kaili Gold Pty Ltd

- Topographic**  
 Towns & localities  
 ● 5

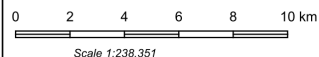
- Roads**  
 — Arterial  
 — COLL  
 — LOCL  
 — Minor  
 — Railway

### Environmental

Peregrine Falcon	■
Yellow-throated Miner (complex)	■
White-winged Chough	■
Plumed Egret	■
Little Eagle	■
Little Egret	■
Striped Honeyeater	■
Eastern Cattle Egret	■
Hooded Robin (YP, MN, AP, ML...)	■
Mallee Emu-wren	■
Southern Emu-wren (South East)	■
Scarlet-chested Parrot	■

### EPEPR - EL6978 Fauna Sites

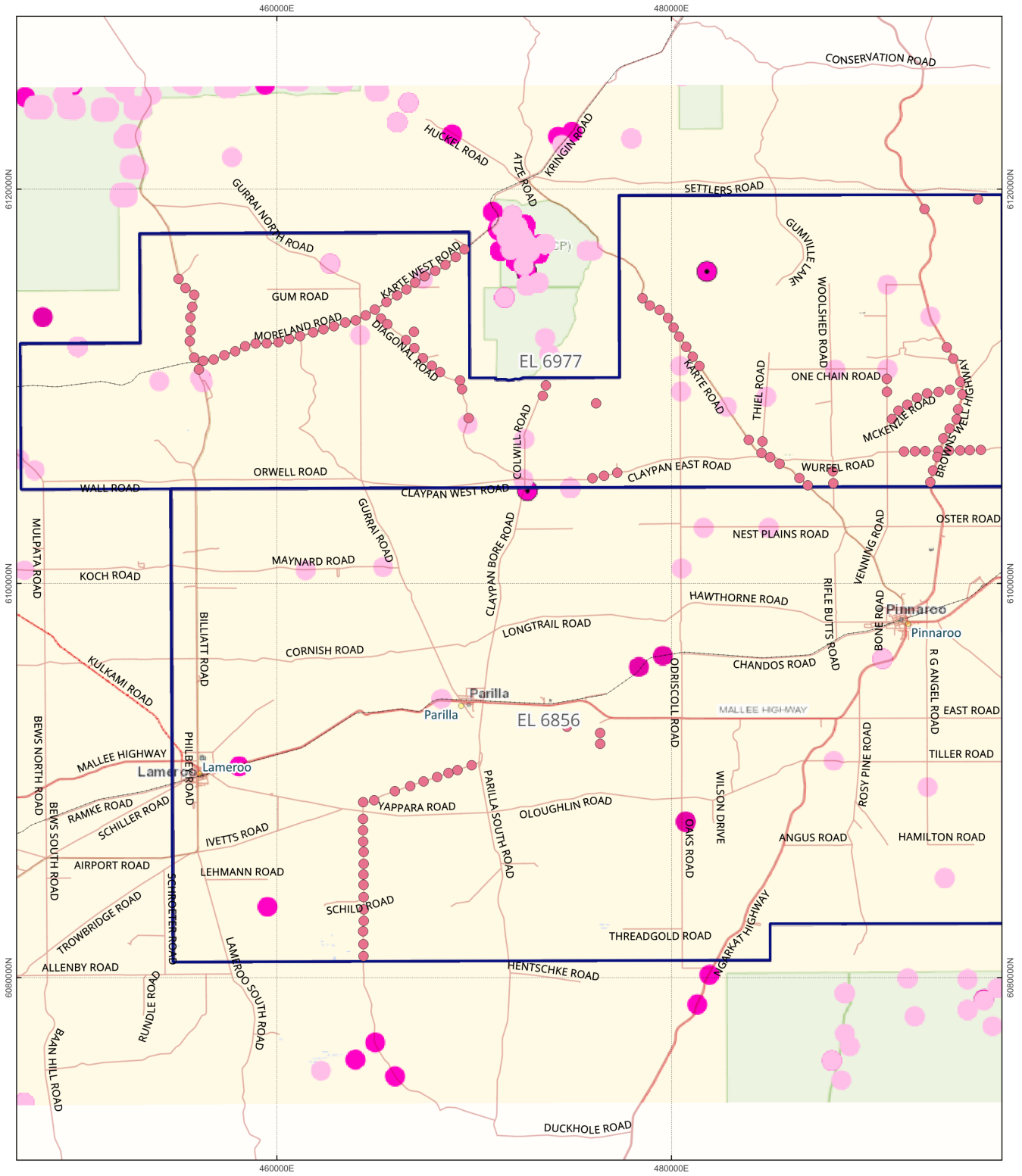
DATE: 06 MAY 2025  
 Author: Kathryn Brown  
 EPSG:28354; Projection: GDA94 / MGA zone 54



Scale 1:238,351

Disclaimer: This document was prepared by Australian Mines & Exploration Title Services Pty Ltd (AMETS). AMETS has taken all reasonable care in producing the information contained in this document. However, AMETS accepts no responsibility where information provided by a third party that is relied on in good faith proves to be inaccurate or incomplete. Data displayed which is time sensitive should be considered current for the date of drafting only.  
 SA\_KAIL\_EPEPR.apr  
 C:\Users\kathryn@amets.com.au\Documents\AMETS\AMETSMapping - Data\GIS\_Data\Workshops\SA\_kail\SA\_KAIL\_EPEPR.apr

# Exploration PEPR application – 12-month period



### Clients

**KAIL**  
 ● KLR\_Lameroo\_DrillSites\_February2025

**Tenements**  
 Exploration Licences - Mineral or Opal  
 ■ Kaili Gold Pty Ltd

**Topographic**  
 Towns & localities  
 ● 5

**Roads**  
 — Arterial  
 — COLL  
 — LOCL  
 - - - Minor  
 - - - Railway

### Environmental

Yellow-throated Miner (complex)	■
Hooded Robin (YP, MN, AP, ML...)	■
Mallee Emu-wren	■
Emu	■
White-bellied Whiptail (eastern ...)	■
Grey-headed Flying-fox	■
Hooded Robin	■
Short-beaked Echidna	■
Blue-winged Parrot	■
Southern Whiteface	■
Malleefowl	■
Regent Parrot	■

## EPEPR - EL6977 EL6856

### Nationally Rated Fauna Sites

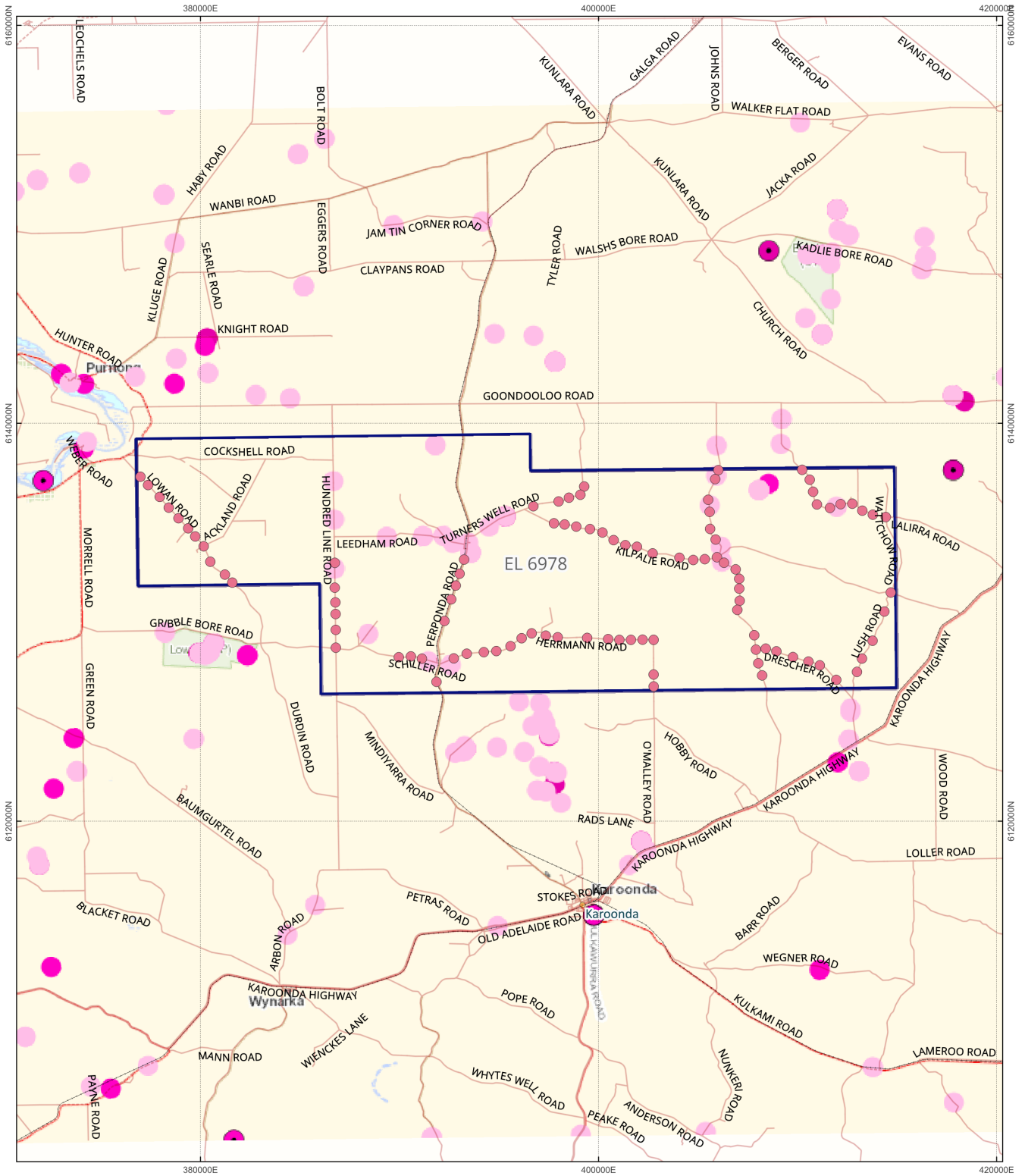
DATE: 08 MAY 2025  
 Author: Kathryn Brown  
 EPSG:28354; Projection: GDA94 / MGA zone 54

0 2 4 6 8 10 km

Scale 1:249,000

Disclaimer: This document was prepared by Australian Minerals & Exploration Title Services Pty Ltd (AMETS). AMETS has taken all reasonable care in producing all the information contained in the document. However, AMETS accepts no responsibility where information provided by a third party that is relied on in good faith proves to be inaccurate or incomplete. Data displayed which is time sensitive should be considered current for the date of drafting only.

# Exploration PEPR application – 12-month period



### Clients

- KAIL**  
 ● KLR\_Lameroo\_DrillSites\_February2025

- Tenements**  
 Exploration Licences - Mineral or Opal  
 ■ Kaili Gold Pty Ltd

### Topographic

#### Towns & localities

5

#### Roads

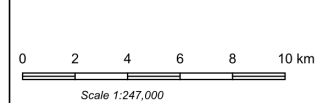
- Arterial
- COLL
- LOCL
- Minor
- Railway

#### Environmental

Yellow-throated Miner (complex)	■
Hooded Robin (YP, MN, AP, ML...)	■
Mallee Emu-wren	■
Emu	■
White-bellied Whiptail (eastern ...)	■
Grey-headed Flying-fox	■
Hooded Robin	■
Short-beaked Echidna	■
Blue-winged Parrot	■
Southern Whiteface	■
Malleefowl	■
Regent Parrot	■

### EPEPR - EL6978 Nationally Rated Fauna Sites

DATE: 06 MAY 2025  
 Author: Kathryn Brown  
 EPSG:28354; Projection: GDA94 / MGA zone 54



Scale 1:247,000  
 Disclaimer: This document was prepared by Australian Minerals & Exploration Title Services Pty Ltd (AMETS). AMETS has taken all reasonable care in producing all the information contained in this document. However, AMETS accepts no responsibility where information provided by a third party that is relied on in good faith proves to be inaccurate or incomplete. Data displayed which is time sensitive should be considered current for the date of drafting only.  
 SA\_KAIL\_EPEPR.aprx  
 © Australian Minerals & Exploration Title Services Pty Ltd  
 Date: 06 May 2025 10:52 AM  
 Project: EL6978

## Approval for drilling test holes



Neil Steer <Neil.Steer@southernmallee.sa.gov.au>  
To: Mark Derriman

Reply

Reply All

Forward

...

Fri 9/09/2022 12:53 PM

Dear Mark,

In regard to our meeting on Tuesday 9<sup>th</sup> September at 9am in reference to drilling holes on the verge of roads within our council area.

The Southern Mallee District Council will grant approval to dig/drill test holes on the verge of the roads within our district of Southern Mallee District Council.

Before you proceed with dig/drilling, can you please supply a copy of your;

- Public Liability Insurance
- Workzone Traffic Plan

If you have any further queries, please do not hesitate to contact me on 0437 346 772.

Regards

**Neil Steer**

Coordinator Infrastructure Services  
Southern Mallee District Council

[neil.steer@southernmallee.sa.gov.au](mailto:neil.steer@southernmallee.sa.gov.au)  
M: 0437 346 772

[www.southernmallee.sa.gov.au](http://www.southernmallee.sa.gov.au)  
[view disclaimer](#)

Traffic Company ID Contracting Jared Paterson 0427 839 567  
Traffic Management Coordinator  
have submitted a formal application to carry out  
verge drills in Southern Mallee District Council which has  
been approved based on the conditions

3/8/2023

---

**Re: Ausmon Resources - Community Announcement May 2025**

---

**From** Rob Knight <rob.k@dckem.sa.gov.au>  
**Date** Wed 30/04/2025 14:46  
**To** Peter Taifalos <speccyscience@outlook.com.au>

Thanks for heads up , hope that goes well for you also.

Regards,

Get [Outlook for iOS](#)

---

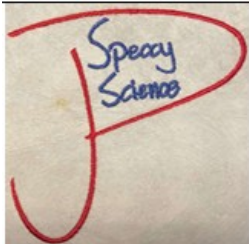
**From:** Peter Taifalos <speccyscience@outlook.com.au>  
**Sent:** Wednesday, April 30, 2025 9:49:53 AM  
**To:** Rob Knight <rob.k@dckem.sa.gov.au>  
**Subject:** Re: Ausmon Resources - Community Announcement May 2025

Thanks very much Rob, much appreciated.

My other client, Kaili Resources, wants some drilling done later this year as well. Their tenement is north of Perponda, so covers a lot more roads throughout the Karoonda-East Murray. We just started the ePEPR.

Cheers,

Peter Taifalos  
Speccy Science



**Speccy Science – ABN: 21 921 847 727**  
Ph: 0477 984 309 Email: [speccyscience@outlook.com.au](mailto:speccyscience@outlook.com.au)  
Karlkurla Cottage, 18 Collins Street, Piccadilly, WA 6430  
MAIG, BSc. (Applied Geology), Grad Cert. BBE

---

**From:** Rob Knight <rob.k@dckem.sa.gov.au>  
**Sent:** 29 April 2025 16:53  
**To:** Peter Taifalos <speccyscience@outlook.com.au>  
**Subject:** Re: Ausmon Resources - Community Announcement May 2025

Hi Peter,

Cheers for that, hope it goes well.

Regards

Get [Outlook for iOS](#)

---

**From:** Peter Taifalos <speccyscience@outlook.com.au>

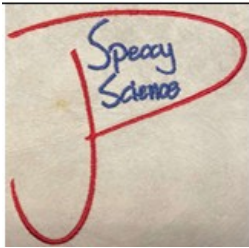
**Sent:** Tuesday, April 29, 2025 5:27:59 PM  
**To:** Rob Knight <rob.k@dckem.sa.gov.au>  
**Cc:** mark.derriman1960@gmail.com <mark.derriman1960@gmail.com>  
**Subject:** Ausmon Resources - Community Announcement May 2025

Hello Rob,

Please find attached a Community Announcement for distribution to the Karoonda-East Murray District, for Ausmon's upcoming drilling program.  
Also attached is a spreadsheet of drill site coordinates.

Thank you,

Peter Taifalos  
Speccy Science



---

**Speccy Science – ABN: 21 921 847 727**  
Ph: 0477 984 309 Email: [speccyscience@outlook.com.au](mailto:speccyscience@outlook.com.au)  
Karlkurla Cottage, 18 Collins Street, Piccadilly, WA 6430  
MAIG, BSc. (Applied Geology), Grad Cert. BBE

**From:** [Peter Taifalos](#)  
**To:** [Ben Wright](#)  
**Cc:** [Council](#); [Neil Steer](#); [mark.derriman1960@gmail.com](#); [Kathryn Brown](#)  
**Subject:** Re: Kaili Resources - Approval for Road Verge Drilling north of Parilla Well  
**Date:** Tuesday, 24 June 2025 5:18:22 PM  
**Attachments:** [Outlook-hkyunrvt.png](#)  
[image001.jpg](#)  
[image002.png](#)  
[Outlook-qto5bfqo.png](#)

---

Thank you very much Ben.

Peter Taifalos  
Speccky Science



---

**From:** Ben Wright <Ben.Wright@southernmallee.sa.gov.au>  
**Sent:** 24 June 2025 14:13  
**To:** [specckyscience@outlook.com.au](mailto:specckyscience@outlook.com.au) <[specckyscience@outlook.com.au](mailto:specckyscience@outlook.com.au)>  
**Cc:** [Council](mailto:Council@southernmallee.sa.gov.au) <[Council@southernmallee.sa.gov.au](mailto:Council@southernmallee.sa.gov.au)>; [Neil Steer](mailto:Neil.Steer@southernmallee.sa.gov.au) <[Neil.Steer@southernmallee.sa.gov.au](mailto:Neil.Steer@southernmallee.sa.gov.au)>  
**Subject:** FW: Kaili Resources - Approval for Road Verge Drilling north of Parilla Well

Hi Peter,

Thanks for email regarding the proposed drilling associated with the Kaili Resources around the Parilla Well region, including the following roads:

- Billiatt Road
- Moreland Road
- Karte West Road
- Diagonal Road
- Colwil Road
- Karte Road
- O'Driscoll Road
- Claypan East Road

We note the proposed locations and have no objections to these works, subject to WZTM be implemented by accredited personnel to comply with Australian Standards and DIT WZTM requirements.

Cheers

**Ben Wright**  
**Director Infrastructure Services**

Southern Mallee District Council

[ben.wright@southernmallee.sa.gov.au](mailto:ben.wright@southernmallee.sa.gov.au)  
T: 08 8577 8002 (Ext 206)  
M: 0428 025 699

[www.southernmallee.sa.gov.au](http://www.southernmallee.sa.gov.au)  
[View Disclaimer](#)



---

**From:** Neil Steer <Neil.Steer@southernmallee.sa.gov.au>  
**Sent:** Tuesday, 24 June 2025 3:30 PM  
**To:** Ben Wright <Ben.Wright@southernmallee.sa.gov.au>  
**Subject:** FW: Kaili Resources - Approval for Road Verge Drilling north of Parilla Well  
**Importance:** High

**Neil Steer**  
**Coordinator Infrastructure Services**  
Southern Mallee District Council

[neil.steer@southernmallee.sa.gov.au](mailto:neil.steer@southernmallee.sa.gov.au)  
M: 0437 346 772

[www.southernmallee.sa.gov.au](http://www.southernmallee.sa.gov.au)  
[view disclaimer](#)



---

**From:** Peter Taifalos <[specccscience@outlook.com.au](mailto:specccscience@outlook.com.au)>  
**Sent:** Tuesday, 24 June 2025 3:15 PM  
**To:** Neil Steer <[Neil.Steer@southernmallee.sa.gov.au](mailto:Neil.Steer@southernmallee.sa.gov.au)>  
**Cc:** [mark.derriman1960@gmail.com](mailto:mark.derriman1960@gmail.com)  
**Subject:** Kaili Resources - Approval for Road Verge Drilling north of Parilla Well  
**Importance:** High

Hello Neil,

My client, Kaili Resources (KLR), are planning a short drilling program in their Karte tenement, within the Southern Mallee district north of Parilla Well.

The process is identical to the drilling programs done around Lameroo and west towards Geranium.

As per the EPEPR application for the SA Government to approve the drilling program, written approval is required from the district council.

The roads we will be drilling along include:

- Billiatt Road
- Moreland Road
- Karte West Road
- Diagonal Road
- Colwil Road
- Karte Road
- O'Driscoll Road
- Claypan East Road

If approved, the drilling is intended to occur ideally within July or mid-late August 2025.

Thank you,

Peter Taifalos  
Speccky Science

