Government of South Australia
Department for Energy and Mining

28 October 2024

Mr Faheem Ahmed
CEO
Altair Minerals Limited
Level 21, 459 Collins Street
MELBOURNE VIC 3000

faheem@cohibaminerals.com.au

Dear Mr Ahmed,

Approval Notification - Exploration Program for Environment Protection and Rehabilitation (EPEPR2024-037) EL6183, EL6675 and EL6122

The program for EL6183, EL6675 and EL6122, final version submitted on 24 October 2024 to conduct rehabilitation related activities at Olympic Domain, Horse Well, 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 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.

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/.

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 Jason Perry on 8177 or Simon Constable on 8429 2516 or email DEM.exploration@sa.gov.au.

Yours sincerely

Simon Constable
GENERAL MANAGER MINERAL EXPLORATION REGULATION & COMPLIANCE
In accordance with delegated
Ministerial powers and functions

The Department's Regulatory Guidelines, Ministerial Determinations and Information Sheets are available at: http://energymining.sa.gov.au/minerals/knowledge_centre

APPLICATION Mining Act 1971 and Mining Regulations 2020

EXPLORATION PROGRAM FOR ENVIRONMENT PROTECTION AND REHABILITATION (PEPR)

Government of South Australia
Department for Energy and Mining

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 .

SECTION A – GENERAL DETAILS

Operational approval period	**12-month approval period, with an additional 3 months to complete all rehabilitation**			
Tenement details	EL6183, EL6675 and EL6122			
Tenement holder(s) (for each tenement)	Altair Minerals Limited, Level 21, 459 Collins Street, Melbourne VIC 3000			
Operating company	Altair Minerals Limited, Level 21, 459 Collins Street, Melbourne VIC 3000			
Agency agreement (if applicable)				
PEPR prepared by	Steven Cooper			
Project supervisor/contact person(s)	Steven Cooper			
Project/prospect *name*	Olympic Domain, Horse Well			
Location details	The Horse Well drill sites are located over the Andamooka, Arcoona and Woocalla 1:100k sheets, and covers Arcoona Station. The project area is situated immediately east of the Woomera-Roxby Downs Road and Woomera Prohibited Area.			
Project description, commodity type and mineralisation model	Exploration focus in the area is on major Iron Oxide Copper Gold (IOCG) deposits containing large quantities of iron oxides (hematite and magnetite), significant copper, gold, uranium, REE's and silver and "Mt Gunson-Style" sediment-hosted copper-cobalt-silver deposits. Altair Minerals has identified several prospects based on geochemical analyses and geophysics collected by Altair and previous explorers (and the GSSA) and these were drilled by Altair during 2020-2022. The proposed program includes examination and rehabilitation of drill pads HWDD03, HWDD06, HWDD07 (all EL6675) and HWDD08 (EL6183). Previous contractor claimed these were rehabilitated but satellite imagery casts doubts on the effectiveness of the rehabilitation. The program short be very short in duration, but could be delayed if conditions are wet.			
Proposed project schedule	Start date	1 November 2024 (ASAP)	End date	31 October 2025

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	Faheem Ahmed	Signature (digital allowed)	
Position	CEO	Date	24 October 2024

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:

- Email from DEM in respect to outstanding rehabilitation on drill holes
- Internal review of information from previous management in respect to the drilling and rehabilitation
- Stakeholder consultation (ie. pastoralist, DEM)
- Contractor consultation
- other information used when planning the proposed program.

All previous EPEPR and communications were examined, together with heritage survey reports. Discussions with the pastoral station and previous contractors where possible. Current conditions were checked using SARIG and Google Earth. The rehabilitation status was questioned by DEM for drillhole pads HWDD-06, HWDD-07 and HWDD-08. It was decided that due to delays in the next drilling program commencing, that further drilling at HWDD-08 will not occur in the near future so this hole will be grouted and sealed as required. Site HWDD-03 was included after a Google Earth examination.

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
EL6675 EL6122 EL6183	Arcoona Station	Pastoral Lease	Grazing – Cattle/Sheep	Form 21B 10/06/2021	Not applicable		23/08/2024 Email to Ben Hewitt	None raised. No access when tracks are wet is a constant requirement.
EL6675 EL6122 EL6183	SANTS	Indigenous	Indigenous	Form 21B 23/06/2021	Not applicable			No concerns.
EL6675 EL6122 EL6183	Kokatha AC	Indigenous	Indigenous	Form 21B 23/06/2021	Not applicable			No concerns.
EL6675 EL6122 EL6183	Volt Geothermal Pty Ltd	Geothermal Exploration Licence GEL694	Geothermal Exploration	Form 21B 24/10/2021	Not applicable		Phone & email 23/10/24	Be notified before field program commences.

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

Not applicable

Provide any additional relevant information.

Communications has been made with Arcoona Station and Volt Geothermal and will continue before, during and after the drilling program. The current proposed activity is the last stage of the previous drilling program.

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.

The closest open community to the drill sites is Woomera which is located ~40 km southwest from Horse Well and is accessed by the bitumised Woomera-Roxby Downs Road or Stuart Highway and well-established station tracks. Roxby Downs, which has a domestic airport and reasonable medical and shopping facilities is located 85 km north of Woomera and is accessed via the Woomera-Roxby Downs Road. Port Augusta is the main population centre and is ~180 km southeast of Woomera accessed via the Stuart Highway. Rehabilitation will be undertaken on Arcoona Station which has well-established roads, tracks, fencing, cattle yards and water bores. Existing station tracks will be used to access immediate drill pad locations

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

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

Land tenure/type	Applicable

Land use	Applicable

* Indicates more information required in field immediately below.

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

Not applicable

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

Not applicable

Provide any additional relevant information.

The drilling contractor McLeod Drilling will be conducting the rehabilitation under supervision. As an experienced South Australian (Stirling North) drilling company they have considerable experience in grouting drillholes and rehabilitating drill pads.

Woomera Prohibited Area (WPA)

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

Other land owned or controlled by the Commonwealth Department of Defence

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

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

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

Native title

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

Native title			
Is the proposed area of exploration located on native title land?	Yes ☒ No ☐ (If no, no further information in this section required.)		
Are there registered native title party/parties in the area of proposed exploration?	Yes ☒ No ☐	Kokatha Mula Nations Land Council and Kokatha Aboriginal Corporation	If no, an Environment, Resources and Development (ERD) Court determination is required.

Have you negotiated a native title mining agreement?	Yes ☒ No ☐	Is the agreement registered?* Yes ☐ No ☐	ELSIte 6183, 6675, 6121, 6122
Have you accepted an Indigenous land use agreement (ILUA)?	Yes ☐ No ☒	Is the ILUA registered?* Yes ☐ No ☐	<List the tenements covered by the ILUA>
Have you obtained ERD Court determination?†	Yes ☐ No ☒	Is the determination registered?* Yes ☐ No ☐	<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.

A Native Title Mining Agreement (NTMA) has been negotiated between Cohiba Minerals Ltd (for and on behalf of the formal Farm-In Agreement between Cohiba and ODPL) and the Kokatha Aboriginal Corporation RNTBC (for and on behalf of the Kokatha People). This NTMA is registered in accordance with section 63Q of the Mining Act 1971 with a Start of 6 December 2018 and Consent of 30 May 2019. A Heritage Clearance survey was undertaken on 8 to 11 November, 2021 with 8 members of the Kokatha Aboriginal Corporation and their nominated anthropologist, Australian Heritage Surveys. The Heritage Survey report was completed and issued to Cohiba in its final form at the end of January 2022. Cohiba maintains ongoing communications with the Kokatha Aboriginal Corporation throughout its exploration activities. Ongoing communication continues between the Kokatha People and Cohiba.

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, saltpans, claypans etc.).

The **Horse Well** drill area contains areas of undulating tablelands and escarpments with bladder saltbush, neverfail, plover daisy, woolly bluebush and glasswort; swamps of blackbush, nitre goosefoot, cottonbush and watercourses of dead finish (Arcoona Land System (LS) – The area also contain dunefields over calcareous plains. Dunes of native pine and mulga woodland over hopbush, woolly butt and kerosene grass; swales of mulga woodland over sandhill wattle, hopbush and grasses; myall woodland plains over pearl bluebush and limestone copper burr; flats of saltbush, star bush, and sea-heath with swamps of tea-tree, canegrass or lignum (Roxby LS).

Much of the land which will be travelled over to reach drill sites is extensive sand sheets with calcareous soils, plains of myall, sugar wood woodland over pearl bluebush +/- bladder saltbush; and plains and rises of mulga and myall woodland with pin bush wattle, pearl bluebush and spiny fan flower (Hesso LS).

Creek systems in the area are prone to natural erosion, especially following high intensity rainfall events. The gilgai and gibber land systems of Arcoona are prone to gully erosion. The land system within the Horse Well drill area has low erosion potential where removal of surface gravels may lead to minor loss of surface soils.

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.

The Arcoona LS consists of shallow soils overlying Arcoona quartzite and bulldog shale. The soils are characteristic of highly expansive clays that have low permeability when wet. Shrink-swell movements of the clayey soils have formed distinct mounds and depressions called gilgai. These soils generally have a low erosional potential, although removal of surface gravels may lead to some minor loss of surface soils. The Horse Well drilling is to take place on Arcoona Station where all drill access and pads are gibber, rocky plains which will be susceptible to minimal to no erosion and will not require clearing by machinery.

The Roxby LS is characterised by sand dunes with interdunal clay plans which have low to high erosional potential. The sand dunes are susceptible to wind erosion. The Hesso LS which covers much of the area to be travelled to/from sites consist of Quaternary sandplains and sand dunes of red sandy soils with little to no fines or surface rocks. These soils have medium to high erosional potential as they can be susceptible to wind erosion where surface cover is disturbed.

The risk of erosion is increased if disturbance to the ground surface breaks the crust or removes surface gravels or vegetation. For this reason, existing tracks will be used as much as possible. Erosion and dust generated by driving on existing station tracks is low due to the very low clay fines content and good compaction of the soils through regular use. These tracks should not be overly affected by the vehicle movements during the program. (Land system definitions comes from BHP's Olympic Dam Expansion Draft Impact Statement 2009, Chapter 10, Topography and Soils, www.bhp.com/-/media/bhp/regulatory-information-media/copper/olympic-dam/0000/draft-eis-main-report/odxeischapter10topographyandsoils.pdf).

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 ☐	No ☒

Access to all areas will be along existing tracks. Areas of natural drainage will be crossed along these existing tracks where the ground is already compacted. No new tracks will be created along or through natural drainage areas and access will not be attempted when the existing tracks are wet.

Is the program area located within water protection areas defined under the *River Murray Act 2003*? If yes, provide the name(s).	Yes ☐	No ☒
Not applicable.		
Is the program area located within any prescribed watercourses or prescribed surface water areas under the *Landscape South Australia Act 2019*? If yes, provide the name(s).	Yes ☐	No ☒
Not applicable.		

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 ☐	No ☒
As no drilling, there will be no active interference with any groundwater. Drillhole HWDD-008 was completed using diamond core and driller logs do not report any significant water was observed. As part of the grouting process the SWL will be measured.		

Description of the locality/area where different groundwater conditions may be encountered					
<Provide description here.>					
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**
					<Tab to add rows.>

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

As no drilling, there will be no interference with any groundwater. The only downhole activity will be grouting drillhole HWDD-08.

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

There are a large number of normally dry, saline lakes and pans. All activities are restricted to existing tracks and pads. A search of SARIC showed no access tracks to be used crossed any Groundwater Dependent Ecosystems (see Figure 3).

Is the proposed program located within a prescribed wells area or prescribed water resource area? If yes, provide the name of the area.	Yes ☐	No ☒
<Insert the name of the area>		

Provide any additional information, if required.

<Include text here.>

Native vegetation

Will you be working within areas of native vegetation? If yes, provide the following information: • description of the formation and structure of vegetation in the area (e.g. woodland, shrubland, grassland) • list of the dominant species. If no, indicate why you will not be working within areas of native vegetation?	Yes ☒	No ☐

Tall open shrubland of dead finish (*Acacia tetragonophylla*) occur on rocky watercourses or shallow, clayey sands east of large lagoons in the Roxby Land system (LS). Open western myall woodland at the edge of interdunal swales or in small swales in the Roxby LS and on sandplains and clay-loam plains in land systems to the south. Understorey typically dominated by chenopod shrubs, including bladder saltbush, bluebush and black bluebush forms a mosaic with mulga woodland on sandplains and false sandalwood (*Myoporum platycarpum*) and black oak on clay-loam plains. Low, open woodland dominated by mulga (*Acacia aneura)* on sandplains, in sandy swales and on the lower slopes of the dunes. Open white cyprus pine (*Callitris glaucophylla*) woodland on deep sands on crests of widely spaced dunes or in dune and sandy swales of closely spaced dunes, form a mosaic with mulga woodland. Understorey may include horse wattle and the ground layer is dominated by grasses, *Enneapogon spp.* and *Aristada spp.* Low, open shrubland dominated by bladder saltbush (*Atriplex vesicaria*) on clay soils in interdune swales, on gibber tablelands and clay loam plains. Bluebush (*Maireana sedifolia*) becomes dominant on outcropping limestone or on shallow soils over a calcrete layer. Black bluebush shrubland is common on run-off areas or on sandy soils around lagoons. Glasswort (*Sclerostegia spp.*) is co-dominant on the slopes of the gibber plains of the Arcoona tableland. Low bluebush (*Maireana astrotricha)* is a subdominant species in the Roxby LS. The understorey of chenopod shrubland is frequently dominated by bindyi (*Sclerolaena spp.*). Tall, open shrubland dominated by sandhill wattle (*Acacia ligulata)*, horse wattle (*Acacia ramulosa*) and narrow-leaved hopbush (*Dodonaea viscosa ssp. angustissima*) on dune crests and dune slopes, with mulga on lower dune slopes. Dunes in the Hesso LS are dominated by pin-bush wattle (*Acacia burkittii*). Sand plains of the Hesso LS have a mosaic of mulga and western myall (*Acacia papyrocarpa)* woodland or black oak (*Casuarina pauper)* woodland. The understorey is dominated by grasses, especially *Enneapgon spp.*, *Aristida spp.* (including kerosene grass) and mulga woodlands, which also occur along rocky watercourses in the Arcoona LS. open wormwood senna (*senna artemisioides*) shrubland with emergent mulga and western myall on sandplains in the Hesso Ls. tall, open shrubland on clayey dunes around saline lake systems have tall, open sandhill wattle shrubland with an understorey of black bluebush (*Maireana pyramidata*) or other chenopod shrubs. Low, open-or-closed samphire (*Tecticorncia* spp.) shrubland occur around the margins of saline lakes, and in saline drainage areas. Native vegetation information was collected from https://www.bhp.com/-/media/bhp/regulatory-information-media/copper/olympic-dam/0000/draft-eis-main-report/odxeischapter15terrestrialecology.pdf.

Access to the drill sites should create no disturbance to native vegetation as it will be along existing tracks. The vegetation is a mix of shrublands and open plains, with minimal densely wooded areas. Clearing of native vegetation will only impact the ground cover, with vehicle tracks leading from the main access roads the main disturbance to flora. Clearing with the use of machinery should be unnecessary, although will be completed with raised blade to minimise impact to flora and soils if required.

397 species of flora have been identified within the area (using an area over both tenement bounds (Horse Well and Pernatty Project in the South) and surrounding area on Nature Maps – http://spatialwebapps.environment.sa.gov.au/naturemaps/?locale=en-us&viewer=naturemaps – with 50 being non-indigenous to the region. 9 Species are listed within the NPW Act (see table below).

All current activities will be contained within existing tracks and drill pads. No new disturbance of native vegetation will occur. Significant flora for the region are shown in ire 5 and no sites are within Exploration Licence with planned further rehabilitation.

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†
Atriplex kochiana	Koch's Saltbush	Vulnerable	
Brachyscome eriogona		Rare	
Citrus glauca	Desert Lime	Vulnerable	
Embadium stagnense	Arcoona Slipper-plant	Rare	
Gratwickia monochaeta		Rare	
Ophioglossum polyphyllum	Large Adder's-tongue	Rare	
Orobanche cernua var. australiana	Australian Broomrape	Rare	
Santalum spicatum	Sandalwood	Vulnerable	
Swainsona microcalyx	Wild Violet	Rare	

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

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

Weeds and pathogens

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

Around 8 (see below) known weeds have occurred within the area, although the true extent of numbers and coverage is unknown.

- Bathurst Burr (*Xanthium spinosum*)
- Buffel Grass (*Cenchrus Ciliaris*)
- Caltrop (*Tribulus terrestris*)
- False Caper (*Euphorbia terracina*)
- Horehound (*Marrubium vulgare*)
- Jerusalem Thorn (*Parkinsonia aculeata*)

- Mesquite (Prosopis juliflora)
- Salvation Jane (*Echium plantagineum*)

To reduce the risk of introducing and/or spreading weeds and or pathogens into the project area all equipment will be washed down prior to entering site, hygienic kits to be kept in all vehicles, staff inductions and training (including presentation of Buffel grass prevention factsheets) to promote awareness of impacts, mode of spread, hygiene and control option, and discussions with landholders to determine their controls of infestations.

Fauna

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

Bushbirds are commonly associated with acacia and white cyprus pine woodland, chenopod shrubland, acacia shrubland on dunes, and acacia and eucalyptus woodland on drainage lines. The dunefields provide a diversity of woodland, shrubland and grassland habitat for mammal species. Shrubland and woodland with intact understorey, leaf litter layers and woody debris provide a diversity of habitat for reptile species (https://www.bhp.com/-/media/bhp/regulatory-information-media/copper/olympic-dam/0000/draft-eis-main-report/odxeischapter15terrestrialecology.pdf).

A fauna search (using an area over both tenement bounds (Horse Well and Pernatty Project in the South) and surrounding area on Nature Maps – http://spatialwebapps.environment.sa.gov.au/naturemaps/?locale=en-us&viewer=naturemaps) revealed 10 native species of mammal, 117 birds, 51 reptile and 2 amphibian species. There are 8 introduced species within the project areas (and greater surrounds), which include 5 mammal species (domestic cat (*Felis catus*), fox (*Vulpes vulpes*), goat (*Capra hircus*), house mouse (*Mus musculus*), rabbit (*Oryctolagus cuniculus*)), and 3 bird species (common starling (*Sturnus vulgaris*), house sparrow (*Passer domesticus*) and mallard (*Anas platyrhynchos*)). 13 species are listed as significant, including 1 reptile and 12 bird species. Locations of sightings of the species listed below have been included in Figure 4 for the region and none are near the sites planned for further rehabilitation.

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
Anas rhynchotis	Australasian Shoveler	Rare	
Anhinga novaehollandiae	Australasian Darter	Rare	
Biziura lobata	Musk Duck	Rare	
Cladorhynchus leucocephalus	Banded Stilt	Vulnerable	
Emblema pictum	Painted Finch	Rare	
Grus rubicunda	Brolga	Vulnerable	
Nephrurus deleani	Pernatty Knob-tailed Gecko	Rare	
Oxyura australis	Blue-billed Duck	Rare	
Phaps histrionica	Flock Bronzewing	Rare	
Plegadis falcinellus	Glossy Ibis	Rare	
Podiceps cristatus	Great Crested Grebe	Rare	
Stictonetta naevosa	Freckled Duck	Vulnerable	
Tringa glareola	Wood Sandpiper	Rare	

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 ☐	No ☒
<If yes, include text>		
Are you likely to impact on the environmentally sensitive area? If yes, detail the likely effects the proposed program may have.	Yes ☐	No ☒
<If yes, include text>		
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.		
A Heritage Clearance survey was undertaken on 8 to 11 November, 2021 with eight members of the Kokatha Aboriginal Corporation and their nominated anthropologist, Australian Heritage Surveys. The Heritage Survey report was completed and issued to Cohiba (now Altair Minerals) in its final form at the end of January 2022. Altair Minerals maintains ongoing communications with the Kokatha Aboriginal Corporation throughout its exploration activities. All drill holes sites were approved by the KAC with only minor adjustments were needed.		

SECTION D – DESCRIPTION OF PROPOSED EXPLORATION OPERATIONS

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

Equipment and personnel requirements

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

Type of personnel	Number	Name of contractor company (if applicable)
Geologists	One	Altair Resources, Adelaide
Land access/environmental		
Field assistants/technicians	One	Altair Resources, Adelaide
Drilling crew		
Site preparation and rehabilitation	Three	McLeod Drilling contractor, Stirling North
Other (provide details)		

Shifts worked per day	Hours worked per day	Days worked per week
One	Ten	Five

Equipment type	Owner/operator	Description/capacity	Activity/purpose
One Toyota Landcruiser	Altair Resources	4WD Landcruiser wagon	Geologist and assistant to inspect, supervise, assist and record
Backhoe Loader	McLeod Drilling	CAT 430 (or equivalent)	Fill sumps, spread topsoil, smooth sites, scarifying pads and tracks as required
One Toyota Landcruiser	McLeod Drilling	4WD Landcruiser trayback	Drill crew, grouting supplies and rods
One trailer	McLeod Drilling	Dual axel trailer with 2000L water tank and pumps	Water tank on trailer for mixing the grout. HWDD-08 site only
One aircore rig	McLeod Drilling	6WD Landcruiser mounted rig	Pump grout down drillhole HWDD-08 only.
One Compressor	McLeod Drilling	6WD Landcruiser mounted compressor	Compressed air for lowering rods and cleaning for grouting. HWDD-08 site only.

Provide any additional information, if required.

Purpose of work is to complete rehabilitation of four drill pads which to have not been fully completed by the previous contractor, and to grout and seal one drillhole (which had been left capped but open for further work). Due to the significant impact rain has on access the program will only be completed when the tracks are dry.

Low impact exploration activities

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

Drilling activities

Will exploration drilling activities be conducted? If yes, fill out the below table	Yes ☐	No ☒

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^3)	Average size of each drill pad* (m^2) (no excavation required)	Number of sites requiring pad excavation	Average volume (m^3) of material to be excavated (excluding sumps)
TOTAL								

	Total number of drillholes (add each row to calculate the total).	Total metres proposed (maximum number of holes x average depth for each row, then add each row to calculate the total).	Total number of sumps (maximum number of sumps x drillsites for each row, then add each row to calculate the total).	Total volume of sumps (maximum size of sumps x number of sumps for each row, then add each row to calculate the total).	Total area of disturbance (number of holes x average size for each row, then add each row to calculate the total).	Total number of pads requiring excavation (add each row to calculate the total).	Total volume of material to be excavated (number of sites requiring excavation x average volume for each row, then add each row to calculate the total).

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

Drillsite preparation

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

<Include text here.>

Drillhole construction and decommissioning

Have the personnel responsible for implementing the proposed program read and understood the Earth Resources Information Sheet M21, Mineral exploration drillholes – general specifications for construction and backfilling?	Yes ☒	No ☐

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

<Include text here.>

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.

Only drillhole HWDD-08 requires sealing and the SWL will be measured on arrival. The steel casing will be retrieved if possible. Excavations up to 40 cm will be made around the PVC collar which will be cut, capped, and plugged, with topsoil used to backfill the digging. Any cover sample material not collected for assays or stored off site will be placed down the drill hole (deepest material first), or in the sump prior to backfilling. The drillholes will be grouted consistent with the M21 General Specifications for Construction and Backfilling protocols to ensure vertical water flow is prevented. Cement for grouting in a bagged form will be supplied by the driller. The drillers mix all their grout/cement in a mud tank on site and deliver straight to the drill hole via the rods lowered into the drillholes. They are able to grout to the collar of the hole on completion. Grout/cement characteristics are determined by exact ground conditions but generally comprise a general-purpose cement + water and may contain sand, gravel, bentonite or hydrated lime. Bentonite is not generally used too close to surface where it may dry and shrink. Rapid set cement can also be substituted for the general-purpose cement. Drill sumps will be filled in with the stockpiled subsoil and followed by topsoil.

Drill pads will be shallow ripped as required (rake or scarifier) on the contour where possible to relieve seed germination. Any vegetation etc. previously removed to create the pad will be spread back across the site. A final check will be made and all rubbish (including cigarette butts, ear plugs, etc.) will be removed and appropriately disposal facility. All sites will be photographed.

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 ☐	No ☒

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

Not Applicable

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).

No drilling or sampling. A check will be made to ensure all sites are clean and no samples remain.

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 ☐	No ☒
<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 ☐	No ☒
<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 ☐	No ☒
Not Applicable, not required		

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.		
No laydown or campsites are required due to only rehabilitation works being completed. The activities are very short in duration and accommodation will be in Woomera or Pimba (if necessary)		
What is the maximum number of personnel requiring accommodation?	Five	
Is a campsite required to be established? If no, no further information is required.	Yes ☐	No ☒
Provide a description and justification of the camp location (e.g. previously cleared areas etc.), and any other relevant information.		
<Include text here.>		
What will be the total area (ha) of the campsite(s)?	ha	
What will be the total area (ha) of vegetation clearance for the campsite?	ha	
If vegetation clearance is required, describe the methods used to prepare the site.		
<Include text here.>		
Will any excavations be required? If yes, describe the purpose of the excavation and the maximum volume (m^3) of material to be excavated.	Yes ☐	No ☒
<Include text here.>		
Are the proposed ablution facilities endorsed/approved for use by the Department of Health or local council, where applicable? If no, indicate why.	Yes ☐	No ☒
<Include text here.>		

Proposed infrastructure (includes caravans, tents, offices, hydrocarbon and water storage requirements etc)	Quantity	Description/capacity
		<Tab to add rows.>

Laydown area details		
Will laydown areas be required? If no, no further information is required.	Yes ☐	No ☒
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 ☐	No ☒
Not Applicable , not required		
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.		
Not Applicable		
Will any excavations be required? If yes, describe the purpose of the excavation and volume (m^3) of material to be excavated	Yes ☐	No ☒
Not Applicable		

Proposed infrastructure (includes hydrocarbon and water storage requirements)	Quantity	Description/capacity
		<Tab to add rows.>
Provide a description and justification of the location (e.g. previously cleared areas), and any other relevant information if required.		
The drill pads were previously cleared and used for drilling operations. They require final rehabilitation.		

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 ☐	No ☒
Not Applicable		

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 ☐	No ☒
Not Applicable		
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 ☐	No ☒
Not Applicable		

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 ☐	No ☒
Not Applicable		
Indicate if well permits have been obtained and whether or not a water extraction licence is required in accordance with the Landscape South Australia Act 2019. If yes, attach a copy of the permit(s)/licences. If no, provide a statement confirming that permits/licences will be obtained prior to commencement of water investigation activities.	Yes ☐	No ☒

Not Applicable

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 ☐	No ☒

Not Applicable

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 ☐	No ☒
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 ☐	No ☒

<If yes, include text here.>

Rehabilitation

Detail all the activities and strategies relating to the remediation of impacts associated with the proposed exploration operations.

Completion of rehabilitation must be achieved within 3 months after the expiry of this PEPR.

- Drill access tracks, drill pads and sumps to be fully rehabilitated using inducted experienced field staff as supervisors to ensure station needs and environmental conditions (as per PEPR) are met.
- Limit drill access to a single lane track.
- No new clearing to maintain ground cover (grasses etc).
- Vegetation to be trimmed or flattened using a raised blade technique to avoid rootstock removal.
- Satellite and topographic data to be used to plan routes and identify suitable access points.
- Tracks will be created by the wheels of trucks and other vehicles traveling across to the drill sites without the need of machinery and clearing of vegetation or surface soils along existing tracks.
- If machinery is required (maintenance), low impact methods such as raised blade, will be used to reduce the impacts and chance of erosion.
- 40 km/h speed limits on all existing station tracks and 15 km/h on new tracks will be applied during the program.
- Initial rehabilitation immediately upon completing of drilling (i.e., hole plugging, hydrocarbon and rubbish removal).
- Drill hole collar casing capped once hole completed.
- Collar cut-off below ground level, plugged and covered with soil once hole no longer required, or in specified timeframe of rehabilitation regarding this PEPR.
- Sumps with a ramp at one end to allow for fauna egress will be cordoned off at end of drilling if full of water.
- Sumps fenced and sticks placed around area to allow egress of small fauna particularly when still wet.
- Drill sumps (when dry) will be filled in with the stockpiled subsoil and followed by topsoil.
- All rubbish to be collected at each drill site and removed from site and disposed of at a designated waste disposal site (Woomera).
- Check all sample cuttings, bags and core trays are removed.
- Site inductions cover post-drilling site rehab/clean-up.
- Hydrocarbon spill kit readily available at each site.
- Mechanized equipment is inspected for leaks before use.
- Regular inspection of sites and tracks with feedback to drillers as to standards expected (supervisors, station staff, etc.). Cohiba provided regular feedback and instructions to drillers during the previous program and also to Saltbush Ag to ensure any disturbance was quickly rectified and to minimise the extent of post-drilling rehabilitation.
- No drill cuttings are to be left exposed on surface.

Total rehabilitation (tracks, pads, and drill holes) to be completed 3 months following the end date of approved PEPR.

State the estimated budget required to rehabilitate impacted sites.

$4,000 per drill pad

Vegetation Clearance

Will any area of cleared native vegetation be unrehabilitated after the authorised period?	Yes ☐	No ☒

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.

Not Applicable

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.
Not Applicable

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.

Not Applicable

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 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 Minerals Regulatory Guidelines MG22 for more information.	**Risk assessment** LH = likelihood of consequence CQ = severity of consequence				
				LH	**CQ**	**Risk**		
Stakeholders: • freehold land owners • perpetual lease holders • pastoral lease holders • Aboriginal land (Anangu Pitjantjatjara Yankunytjatjara and Maralinga Tjarutja lands) • Department of Defence • state government departments. • local government (councils) • federal government • native title parties.	Interference to: • existing or permissible land use (includes loss of income, noise, dust, light and other emissions). • buildings, structures, existing tracks or other infrastructure. • aesthetic values of an area. Noncompliance with legislative requirements.	Yes (Applicable to all programs.)	- A Heritage Clearance survey was undertaken on 8 to 11 November 2021 with members of the Kokatha Aboriginal Corporation and their nominated anthropologist, Australian Heritage Surveys. Altair Minerals maintains ongoing communications with the Kokatha Aboriginal Corporation throughout its exploration activities. All drill holes sites were approved by the KAC with only minor adjustments for the collar locations of some holes to ensure they did not encroach on potentially sensitive areas. - Native Title Mining Agreement (NTMA) is in place and registered with Mining Registrar. - Continue consultation (phone/text/email and face to face discussions) with station manager to explain scope of program, and to ascertain areas of concern. All prescribed forms were served before the commencement of the drilling and the current activities are the final rehabilitation of the same program. - No vehicle movement during wet weather, contact station owner before travelling on site.	1	A	Low	**Stakeholders are fully informed and satisfied with the proposed methods used to conduct exploration activities on their land, and all prescribed forms are served and agreements obtained in accordance with the Mining Act.**	Provide the information requested within the 'Complaints' section of the annual exploration compliance report demonstrating that all reasonable complaints from stakeholders are resolved to the satisfaction of both parties prior to and ongoing during the course of exploration program, without the involvement of DEM. Provide the information requested within the 'Landowner details and liaison' section of the annual exploration compliance report demonstrating that prescribed forms were served and agreements obtained in accordance with the Mining Act prior to the commencement of exploration activities.
Stakeholder: DEW	Interference to: • existing or permissible land use. • buildings, structures, existing tracks or other infrastructure. • aesthetic values of an area. Noncompliance with legislative requirements.	<Yes/No> (Applicable to programs located adjacent to or within parks and reserves.)	- Not applicable, as confirmed on SARIG, the drill pads to be rehabilitated are not near any parks or reserves.				**For activities located within or adjacent to regional reserves, national, conservation and marine parks only:** • **no unauthorised interference with park management activities.**	Provide confirmation that: • 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 • 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.

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 Minerals Regulatory Guidelines MG22 for more information.	**Risk assessment** LH = likelihood of consequence CQ = severity of consequence **LH**	**CQ**	**Risk**		
Flora and fauna and their habitats; includes Commonwealth and state scheduled species.	Loss/modification of native vegetation and associated habitats through the clearance of vegetation.	<Yes/No> (Applicable to exploration programs located within or impacting on native vegetation.)	- No fires to be lit. - Hot-work permit system to be used for repair activities such as welding, grinding, oxy cutting. - Disturbance to fauna will be minimum due to the short time nature of the rehabilitation (most pads completed in under a day). - Use existing station tracks for access and rehabilitation. No new disturbance to any native vegetation will be allowed.	*2*	*B*	*Low*	**No permanent loss/modification of native flora and fauna populations and their habitats through:** • **clearance** • **fire** • **other** **unless prior approval under the relevant legislation is obtained.**	Maintain before, during and after photographic evidence of all exploration sites (e.g. drillsites, new track exit/entry points off existing tracks, costeans, campsites) demonstrating that: • The area and method of disturbance is consistent with that described in the PEPR. • No uncontrolled fires* occurred as a result of exploration activities. Representative photos to be included within the annual exploration compliance report.
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.)	- Make observations on any current weed presence and distribution during the activities. If an increase in abundance of pre-existing weeds is noticed, selective spraying is to occur - Any new equipment to be brought on site is to be thoroughly washed off-site first. - All new vehicles entering the program area, or vehicles re-entering the program area after travelling on other unsealed roads, are to be visually Inspected for introduced mud/soil by company personnel, prior to machinery operation.	*2*	*B*	*Low*	**No introduction of new species of weeds and plant pathogens, nor increase in abundance of existing weeds species.**	Provide a statement within the 'Compliance with approved programs' section of the annual exploration compliance report, confirming that: • Vehicle logs were kept during the exploration program, demonstrating that all vehicles are clean and free of plant and mud material prior to entering properties† within the tenement areas, unless otherwise agreed to with the relevant landowners. • Photographic evidence before and during exploration operations and after rehabilitation of disturbed sites was captured, demonstrating that no new weeds and plant pathogens were introduced, nor an increase in abundance of existing weeds recorded.
All fauna	Entrapment of fauna through open drillholes and excavations.	<Yes/No> (Applicable to exploration programs that involve drilling and/or require excavations.)	- All drillhole collars will be checked to ensure they are fully plugged and buried as per rehabilitation guidelines. - All sumps will be back filled, and any topsoil stockpiled will be spread over the disturbed area.	*1*	*A*	*Low*	**No fauna traps created as a result of exploration activities.**	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.)	- All personnel will be reminded of the possibility of the existence of heritage sites, and the importance of not disturbing any such sites if discovered. - All vehicle movements are to be limited to existing tracks and sites which have been previously cleared by heritage survey - If an Aboriginal site is accidentally discovered, all work must cease and not recommence until approved. - Report any sites as soon as practicable on the site recording forms and relevant authorities.	*2*	*B*	*Low*	**No disturbance to Aboriginal artefacts or sites of significance unless prior approval under the relevant legislation is obtained.**	Maintain a database and provide a statement within the 'Compliance with approved programs' section of the annual exploration compliance report demonstrating that: • 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/No> (Applicable to exploration programs located close to or within European heritage sites and sites of scientific and environmental significance	- Not applicable. Previous activities and examination of satellite images revealed no sites.	*1*	*A*	*Low*	**No disturbance to European heritage sites and to sites of scientific and environmental significance unless prior approval under the relevant legislation is obtained.**	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.

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 Minerals Regulatory Guidelines MG22 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.)	- All personnel to be reminded of the need to immediately clean up any hydrocarbon spills, using shovels and plastic bags. These are to be collected and disposed of at an approved waste facility. - Any hydrocarbon spills >5L are to be reported. - All rubbish to be securely placed in bags and disposed of at an approved waste facility. - Compliance with zero-rubbish policy is to be measured through end of day workplace inspections. - Any stockpiled soil will be spread over the rehabilitated sump and areas. - Drill pads will be lightly scarified. - All activity will be photographed.	*2*	*B*	*Low*	**No contamination of soil and vegetation as a result of exploration activities.**	Demonstrate that all domestic or industrial waste (includes general rubbish and hydrocarbons) is disposed of in accordance with the *Environment Protection Act 1993* within 3 months of the expiry of the PEPR approval (for PEPRs approved for a period of 12 months), or 3 months after the expiry of a program notification (for PEPRs approved for an ongoing period), and that all fuel and chemicals are stored in accordance with EPA requirements, by providing: • The name, location and contact details of the authorised waste disposal facility. • 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. • Photographic evidence within the annual exploration compliance report demonstrating that all fuel and chemical storage facilities were managed in accordance with EPA requirements. Maintain photographs of all exploration sites and provide representative photos within the annual exploration compliance report demonstrating that drill cuttings are: • removed from site and disposed of at a licensed facility • buried under a minimum of 30 cm of soil, or in accordance with EPA guideline, *Radiation protection guidelines on mining in South Australia: mineral exploration*, available on the EPA website, or • backfilled down the drillhole, within 3 months of the expiry of the PEPR approval (for PEPRs approved for a period of 12 months), or 3 months after the expiry of a program notification (for PEPRs approved for an ongoing period), unless otherwise authorised. Provide the information requested within the 'Rehabilitation' section of the annual exploration compliance report.
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.)	- Compliance with zero-rubbish policy is to be measured through end of day workplace inspections. - Any stockpiled soil will be spread over the rehabilitated sump and areas - Complete rehabilitation of tracks and pads as per best-practice model – e.g. removing hand-dug windrows, lightly scarify where appropriate; replace topsoil and stockpiled vegetation if required. - All vehicles to stick to established pads and tracks during the activities.. - Slow on tight bends on tracks and impose speed restrictions.	*2*	*B*	*Low*	**Where soil disturbance occurs as a result of exploration activities, ensure that:** • **topsoil quality and quantity is maintained** • **the soil profile and topography is reinstated to original conditions** • **there is no accelerated soil erosion.**	Maintain before, during and after photographic evidence of all excavations, drillsites, camps, laydown areas and new tracks demonstrating that: • 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. • 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. • There are no signs of accelerated soil erosion during and post rehabilitation of disturbed sites. Representative photos to be included within the annual exploration compliance report. Provide the information requested within the 'Rehabilitation' section of the annual exploration compliance report.
Surface water	Alteration to surface water – interference to surface drainage.	<Yes/No> (Applicable to exploration programs that are likely to impact on surface drainage channels.)	- If there is any surface water within the epithermal creeks along the existing tracks the program will be delayed until safe to do so. - Use existing tracks at all times - The use of light vehicles only and short duration of program require no alteration to the existing tracks.	*1*	*A*	*Low*	**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).**	Provide before, during and after photographic evidence within the annual exploration compliance report demonstrating that original drainage contours (watercourses and lakes) are consistent with the natural relief post rehabilitation within 3 months of the expiry of the PEPR approval (for PEPRs approved for a period of 12 months), or 3 months after the expiry of a program notification (for PEPRs approved for an ongoing period). Alternatively, provide copies of water affecting permits within the annual exploration compliance report.

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 Minerals Regulatory Guidelines MG22 for more information.	**Risk assessment** LH = likelihood of consequence CQ = severity of consequence				
				LH	**CQ**	**Risk**		
Groundwater/aquifer	Groundwater contamination: • contamination of aquifers through entry of pollutants from the surface • interconnection between aquifers • degradation of natural hydrostatic conditions (maintain pre-drilling pressures).	<Yes/No> (Applicable to all exploration programs that may intersect groundwater.)	- No drilling is proposed under this EPEPR. Any disturbance of groundwater is very minimum and is limited to grouting and sealing drillhole HWDD-08. - In the very unlikely event a collar is discovered open, the necessary grout will be installed and the hole sealed. Cement grout will be used to plug from the level as detailed in Information Sheet M21. - Water required for grouting will be sourced in Woomera.	*1*	*B*	*Low*	**Drillholes restored to controlling geological conditions that existed before the hole was drilled or, where it is intended to re-enter the hole, the hole must be completed with casing of adequate strength and the casing cemented so that all aquifers are isolated to prevent the movement of any fluids behind the casing.**	Maintain evidence demonstrating that drillholes are decommissioned in accordance with Earth Resources Information Sheet M21, *Mineral exploration drillholes – general specifications for construction and backfilling*, and/or specific conditions from DEW (Groundwater) within 3 months of the expiry of the PEPR approval (for PEPRs approved for a period of 12 months), or 3 months after the expiry of a program notification (for PEPRs approved for an ongoing period), unless otherwise authorised. Provide the information requested within the 'Groundwater' section of the annual exploration compliance report.
Soil/vegetation/fauna	Discharge of groundwater into the surrounding environment.	<Yes/No> (Applicable to all exploration programs that may intersect groundwater or where activities require the discharge of groundwater into the surrounding environment.)	- No drilling is proposed under this EPEPR. - Rehabilitation activity will be completed while the sumps are dry. - All activity will be confined to existing tracks and drill pads. - During grouting some ground water will be displaced and may reach the surface. To prevent any discharge of groundwater into the environment a bund will be hand dug around the working area and that leads into the existing sumps. The sumps will be allowed to dry before final rehabilitation (the other sites will be completed first and HWDD08 will be last).	*1*	B	*Low*	**No discharge of groundwater outside of the exploration site (e.g. drillsite) into the surrounding environment and no discharge of water into a watercourse, unless prior approval under the relevant legislation is obtained.**	Maintain photographic evidence of all drillsites demonstrating that groundwater was not discharged into the surrounding environment, unless water affecting activity permits were obtained allowing the discharge of groundwater into watercourses and/or lakes. Representative photos and water affecting activity permits (where applicable) to be included within the annual exploration compliance report.
Groundwater users	Interference to existing water users when extracting water from existing dams, water bores or mineral drillholes.	<Yes/No> (Applicable to all exploration programs that may require the use of water from existing dams, water bores or mineral drillholes.)	- No water will be required for the drill pad rehabilitation. - Water for the grouting will be obtained in Woomera.	*1*	*A*	*Low*	**No public nuisance impacts resulting from the extraction of water for exploration purposes, unless prior approval under the relevant legislation is obtained.**	Provide the information requested within the 'Complaints' section of the annual exploration compliance report demonstrating that all reasonable complaints from stakeholders were resolved to the satisfaction of both parties, prior to and ongoing during the course of the exploration program without the involvement of DEM. Where permits are required for the extraction and/or usage of groundwater, provide copies of the licence or permit within the annual exploration compliance report.
Soil/vegetation/fauna	Degradation of rehabilitated access tracks caused by third party access (includes previously closed and rehabilitated access tracks).	<Yes/No> (Applicable to exploration programs that create new access tracks.)	- Access will be completely only along existing tracks. - Access is by Landcruiser based light vehicles, except loader. - Due to the very short term nature of the activities the number of times access is required access is requires is very low. - Side tracks to drill pads will be hidden, closed off and raked on completion. - Photographs will be taken during, and on completion of the rehabilitation.	*1*	*B.*	*Low*	**Rehabilitated access tracks remain permanently closed, unless prior approval under the relevant legislation is obtained.**	Maintain before and after photographic evidence demonstrating that all tracks are closed and rehabilitated within 3 months of the expiry of the PEPR approval (for PEPRs approved for a period of 12 months), or 3 months after the expiry of a program notification (for PEPRs approved for an ongoing period), unless otherwise authorised. Representative photos are to be included within the annual exploration compliance report. Provide the information requested within the 'Rehabilitation' section of the annual exploration compliance report.
Community/landowners	Damage to infrastructure and loss of income through fire.	Yes (Applicable to all programs.)	- Fires will not be permitted on site.. - Hot works permits (internal management tool) will be required for activities such as welding, grinding, oxy cutting – i.e. firefighting provisions need to be in place. - All vehicles will be fitted with fire extinguishers	*1*	*B*	*Low*	**No loss of infrastructure or income through fire as a result of exploration activities.**	Provide a statement within the 'Compliance with approved programs' section of the annual exploration compliance report confirming that no uncontrolled fires* occurred. Alternatively, provide a report on the independent investigation of all uncontrolled fires* demonstrating that the licensee could not have reasonably prevented the fire through the implementation of precautionary measures.
General public	Injury or death to members of the public as a result of exploration activities.	Yes (Applicable to all programs.)	- Given the drilling program is occurring on remote land and the very short duration of the activities, the likelihood of stray members of the public being present is greatly reduced. - Only inducted personnel who have direct need to be in the work area of the rehabilitation will be permitted in close proximity to the operations. -The local landholders are informed prior to operations and ongoing consultation will occur during activities. - All activities will be under the supervision of experienced Altair representatives.	*1*	*E*	*High**	**No accidents involving the public that could have been reasonably prevented by the licensee.**	Provide a statement within the 'Compliance with approved programs' section of the annual exploration compliance report confirming no accidents occurred involving the public during and after the exploration program. If an accident involving the public did occur, provide a copy of the independent investigation report within the annual exploration compliance report demonstrating that the licensee could not have reasonably prevented the accident through the implementation of precautionary measures.

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 Minerals Regulatory Guidelines MG22 for more information.	**Risk assessment** LH = likelihood of consequence CQ = severity of consequence **LH**	**CQ**	**Risk**		
			*The risk for this section is listed as High as with all controls in place the Likelihood of an accident is Rare, although if an accident did occur the **Consequence** could be Major to Catastrophic. Inductions, pre-starts, safety meetings, appropriate training and supervision etc. are all used to minimise this risk and prevent any accidents as per the **Outcomes** listed.					
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.	<Yes/No> (Applicable to exploration programs located within known uranium or thorium deposits.)	- No radioactive material is expected in the drill sumps as examination of the drilling geochemical data has shown no anomalous concentrations of any radioactive elements. Altair has a radiation management plan if required.	*1*	*B*	*Low*	**No increase in background radiation levels, and employee/contractor exposure levels during the exploration program are within safe limits.**	Maintain a database and provide a statement within the 'Compliance with approved programs' section of the annual exploration compliance report demonstrating that: • Radiation levels post exploration and rehabilitation are consistent with pre-existing background levels. • Employee and contractors exposure levels were within safe limits during the exploration program.
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)

Altair Resources Ltd is an ASX listed public company. The Company has successfully completed many deep drillholes in South Australia without prior incident. Altair used an external consultant to develop an extensive Work Health & Safety (WHS) Management System with a full suite of Policies and Procedures including controlled documents. The current document register and documents can be provided if necessary. Procedures include detailed Inductions and toolbox meetings.

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.

The company had paid for and fully expected the drill pads to be rehabilitated by the previous contractor. The rehabilitation was undertaken by a local contractor under the supervision of an experienced exploration services company, but due to critical personal leaving employment the company was unable to determine why these sites were not completed. To ensure full compliance a representative of the company will be present on site during the current EPEPR activities. Further drilling is anticipated within the project area and this will be covered in a separate new EPEPR.

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
HWDD-03 pad	01/02/2023	2020/020, photo 3, ‘New DD_03’	706374	6571895	53	Drill pad to be fully rehabilitated. Outlines of previous sumps still visible after previous rehabilitation. Site adjacent to existing east-west fence line track.

Site identification	Date taken	Photo number & PEPR section reference	Easting (GDA94)	Northing (GDA94)	Zone	Details and Comments
HWDD-06 pad	01/02/2023	2020/020, map 3, 'DD_03' site	706042	6571334	53	Site to be rehabilitated. Previous contractor failed to complete. Access track south from fence line track will be raked and hidden.

Site identification	Date taken	Photo number & PEPR section reference	Easting (GDA94)	Northing (GDA94)	Zone	Details and Comments
HWDD-07 pad	01/02/2023	2020/020, map 3, 'DD_04' site	703684	6573701	53	Site to be fully rehabilitated. Previous contractor failed to complete. Access track from existing fence track line will be raked and hidden.

Site identification	Date taken	Photo number & PEPR section reference	Easting (GDA94)	Northing (GDA94)	Zone	Details and Comments
HWDD-08 pad	01/01/2024	2021/023, map 2, 'PEPR-06' site	695891	6575975	53	Drillhole to be grouted, sealed, and the site fully rehabilitated. Previous contractor failed to complete drill pad rehabilitation. Access track from existing main track will be raked and hidden.

Site identification	Date taken	Photo number & PEPR section reference	Easting (GDA94)	Northing (GDA94)	Zone	Details and Comments
HWDD-08 drillhole	Not known	2021/023, map 2 'PEPR-06' site	695891	6575975	53	Example of McLeod Drilling rig which will be used to grout and seal drillhole HWDD-08

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.

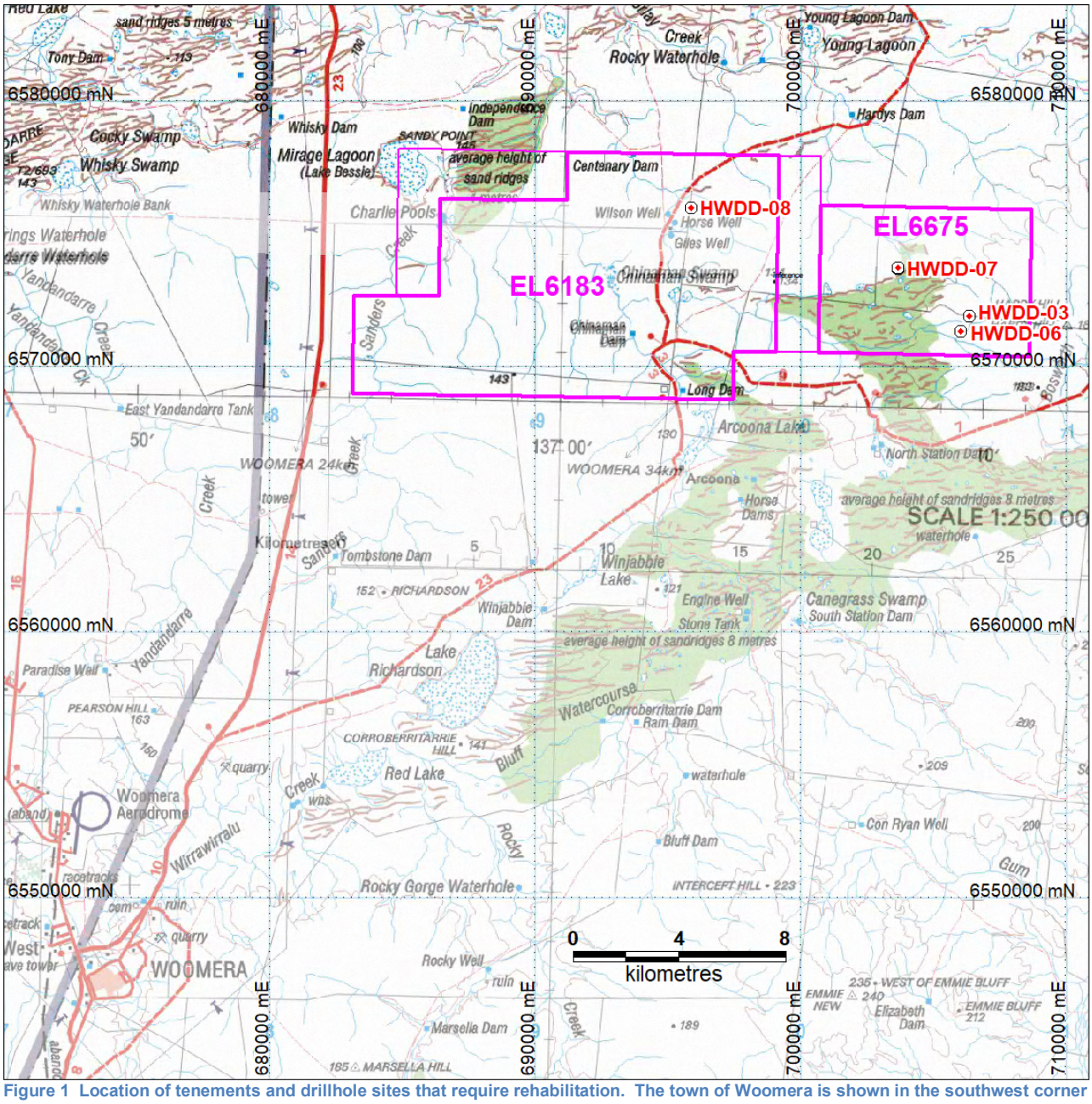

Figure 1 Location of tenements and drillhole sites that require rehabilitation. The town of Woomera is shown in the southwest corner of the map.

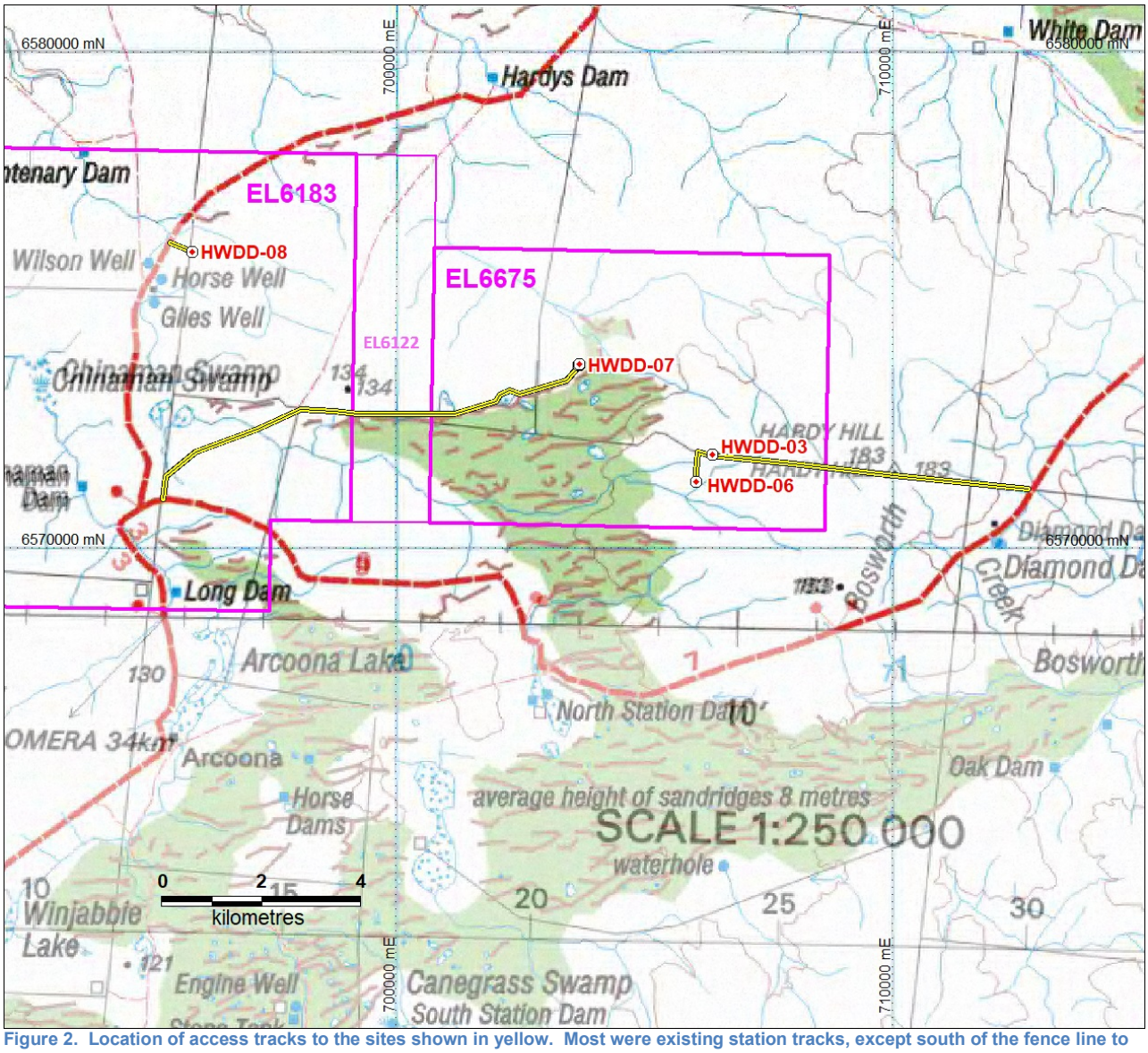

Figure 2. Location of access tracks to the sites shown in yellow. Most were existing station tracks, except south of the fence line to site HWDD06, east of the western boundary of EL6675 towards site HWDD-07, and west from site HWDD-08 to the main road. The section of track within EL6122 is along existing fence line track.

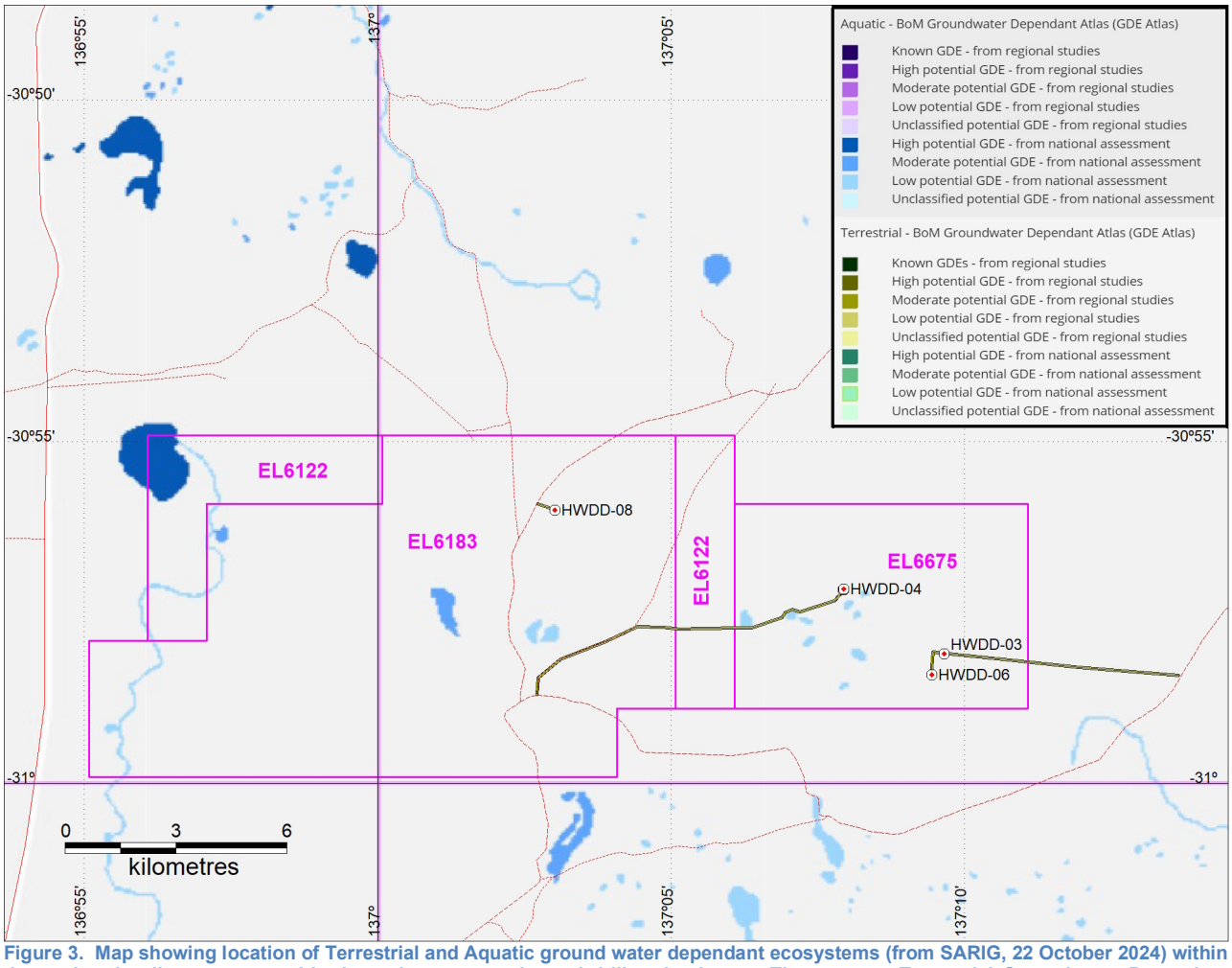

Figure 3. Map showing location of Terrestrial and Aquatic ground water dependant ecosystems (from SARIG, 22 October 2024) within the exploration licence areas with planned access tracks and drill pads shown. There are no Terrestrial Groundwater Dependant areas within the Exploration Licence areas but there are a number of Low and Unclassified potential Aquatic Groundwater Dependant areas. Access tracks to the sites shown in yellow. Only the access track on the western side of EL6675, on the approach to site HWDD-04, is near two Unclassified Aquatic Groundwater Dependant (light blue) dry pan areas. The two areas are clearly visible on satellite imagery and the existing access track can be seen not to be encroaching into the two Unclassified areas. As stated in the EPEPR, all access to the sites will remain strictly along existing tracks.

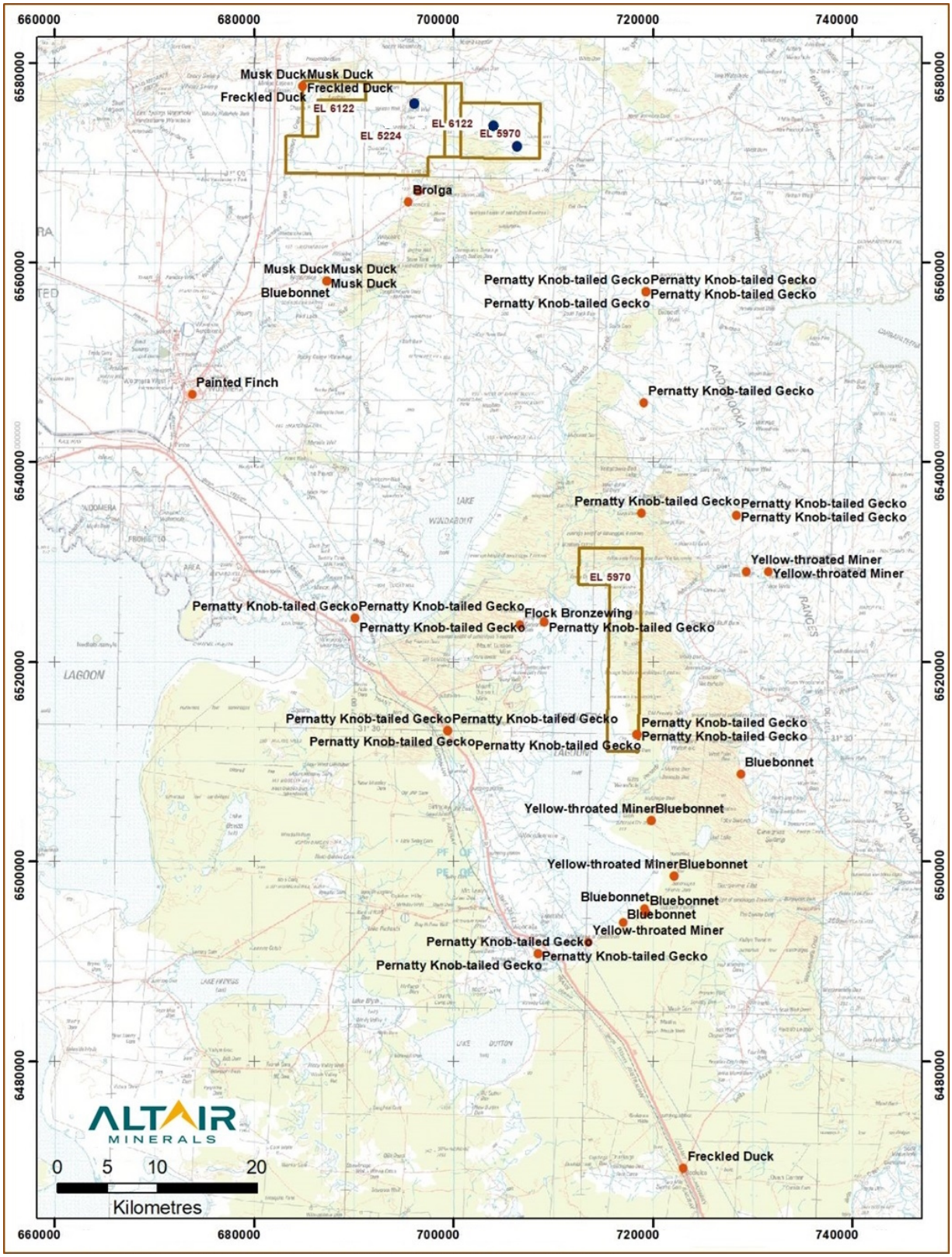

Figure 4. Map showing significant fauna observations within the exploration licence region. Dark blue filled circles are planned further rehabilitation sites.

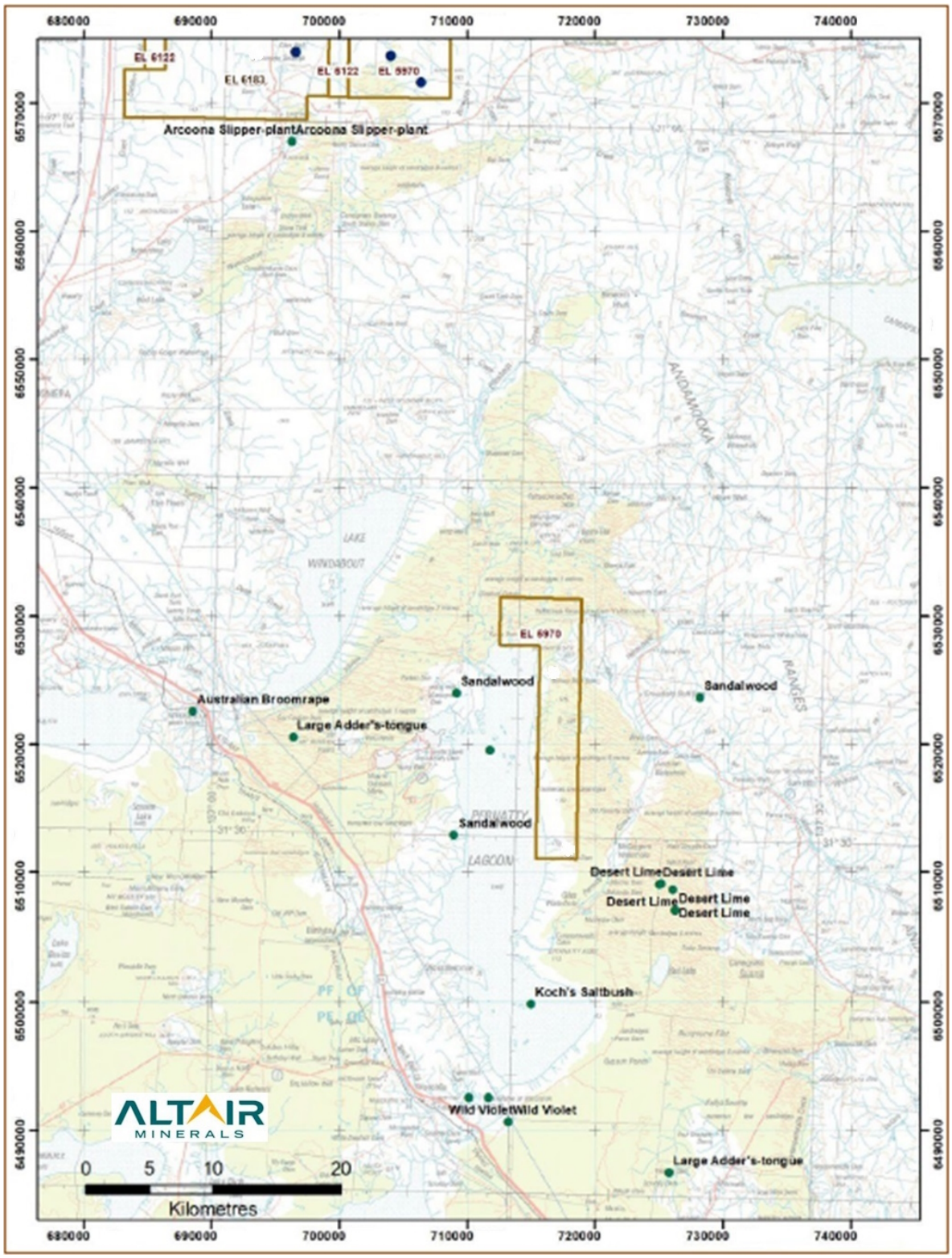

Figure 5. Map showing significant flora observations locations within the region. None are within the EL area with planned further rehabilitation.

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.