

APO0001762

# Approval to undertake assessable prospecting operations

Toorang

29 May 2024

## Application summary

Detail	Application
Reference	APO0001762
Date of approval	29 May 2024
Title	EL 9301 (1992)
Contact	[REDACTED]
Project name	Toorang
Project location	34km SSW of Brewarrina
Activity type	Complying exploration activity

## Important note

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## Project

### Project details

Assessable prospecting activity APO0001762 relates to the Toorang at 34km SSW of Brewarrina.

The project has the following approved characteristics.

Detail	Proposal
Activity description	<p>Preamble [1] The landowner has signed compensation, and this plus other holes in the program have been marked out. [2] A currently used station track passes within 200m of the drill site. [3] The once-every-half-century flooding of late 2022 swamped the drilling area, but it has now recovered to its normal hard dry and relatively bare state. [3] Even before flooding, natural parameters — wind, rain, etc, and grazing goats, had obliterated any faint trace of drilling carried out in this region in 1982. [4] During the floods there was demand for sand-bags to protect special property, and it is envisaged the bags of cuttings needing disposal will still be useful for this purpose. [6] The licensee has signed up with a Dubbo contractor to employ a large capacity mobile RC rig and awaits advice as to when the rig will become available. Drilling Plan/Schedule. Day 1 Drill contractor arrives on site with rig, support truck (rods, fuel, sundries), plus runabout vehicle and 3 men. Depending on time of arrival he may set up at the marked site and pre-collar with surface casing. Days 2 &amp; 3. RC drilling and collection of all cuttings in 60 x100 cm green plastic bags for every 1 m interval will proceed to 200m. Day 3. Contractor finalises hole by sealing 40 cm below surface with commercial cap, moves to next site and sets up. At this stage, although the hole is sealed, it is preserved for possible re-access in case logging and analysis shows a case for deepening the hole. Day20 (estimated). Geologist returns to site, logs cuttings and samples any mineralised material. Day 60 (estimated) Following receipt of any assays, geologist returns to site, carries out any follow-up sampling, and supervises removal of bags of cuttings by a contractor, for suitable dumping or for flood mitigation. He carries out final clean-up by hand shovelling.</p>

Detail	Proposal
Earthworks or vegetation clearing	No earthworks nor clearing required
Access to exploration activities	An existing well-used station property track passes 200m to the SW of the site, hence no track construction is required.
Ancillary activities	The preferred contractor has indicated that he will stay in the Brewarrina township. regarding water storage, the usual on-board fire-fighting and general use tank of water is expected to be part of the drilling plant, and no special water arrangements are planned.
Anticipated start date	1 July 2024
Expected duration (weeks)	½ week
Expected rehabilitation completion date	1 October 2024
Proposed hours of operation	Other Standard business hours but 7 days a week
On-site employee or contractor numbers	3

## Exempted areas

The Toorang has not proposed prospecting in an exempted area.

## State conservation areas

The Toorang has not proposed prospecting in a State Conservation Area.

## Site description and existing environment

### The project comprises the following existing land uses:

The existing and continuing land use is low-carrying-capacity sheep grazing, which will not be impacted by the drilling operations

### The project is located near the following sensitive receptors:

While there is a homestead that is occasionally occupied 5 km to the west of the site, the nearest realistically sensitive receiver is the town of Brewarrina, 34 km to the NNE.

### The project is located with the following soil types and properties:

The soil at the drill site is clayey sand, lacking in humus, and intermittently topped with a thin veneer of river mud from the November 2022 flood.

### The project has the following existing surface water sources in the area that are likely to be affected by the activity:

The CH3 site is 1.5 km north of the Bogan River, and has no connection with the Bogan. Strangely the land slopes gently downward away from the river (i.e. northward)

### The project has the following existing groundwater sources that occur in the area that are likely to be affected by the activity:

A feature of this area is that groundwater sources are unknown, and are interpreted to be absent.

### The project is in an area with the following topography, vegetation cover type, density and condition:

The area of the drill sites and extending beyond is flat and bare, with occasional single small tree or clumps of trees (but not at the drill sites). Patches of native grasses occur surrounded by bare 'claypan' ground.

**The project will impact the following matters of national environmental significance:**

None of the above.

**The project is in an area with the following threatened species, ecological communities (or habitats):**

On an April 2024 visit to the area, it was observed that there were a few sheep and kangaroos, and native birds, and no other observable living creatures at ground level. According to SEED portal, threatened Olive Perchet has been mapped close to the drill hole location, and, according to one particular map, there is a small creek or drainage passing near the drill site. THIS MAPPING IS INCORRECT. There is no creek or other drainage in the vicinity of the drill site. Reference should be made to the Google Earth, or to MINVIEW, aerial photography of the area. The area within 500m of the drill site (and beyond) is too flat for any drainage, as evidenced by the 'water ponding' efforts carved by the station owner to catch water temporarily in times of rain, designed to get vegetation started. Water ponding, seen as circular/elliptical or other geometrical shapes on the aerial photos, temporarily concentrates rainwater into trenches in an otherwise completely flat environment. Water ponding requires completely flat ground with no drainage. The attached map "Olive-Perchlet distribution in NSW.jpg" suggests that the olive perchlet may be found in the Bogan River, which is 1.5 km south of the CH3 drill site, and completely outside the ambit of drilling. Otherwise, the only permanent water where fish such as Olive Perchlets might possibly habitate is a man-made dam 630m to the SW of the drill site, and this will not be disturbed.

**The project is in an area with the following historic cultural or natural heritage items:**

None of the above

**The project is in an area with the following critical habitat/area of outstanding biodiversity value:**

See threatened species entry above

**The project is located in an area with the following location, type and distance to the nearest Aboriginal heritage sites:**

None of the above. See later AHIMS map insert

## Exploration activities

The following exploration activities have been approved.

### Drill holes

Id/ Regulator no.	Type	Surface disturbance (m <sup>2</sup> )	Veg. Clearing (m <sup>2</sup> )	Excavations (m <sup>3</sup> )	Produced water (ml)	Depth (m)	Block number	Unit letters
CH3 EDH00153 18	RC drill hole	900				200	BOU1905	z

### Other exploration activities

Id/ Regulator no.	Type	Surface disturbance (m <sup>2</sup> )	Veg. Clearing (m <sup>2</sup> )	Excavations (m <sup>3</sup> )	Produced water (ml)	Block number	Unit letters
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## Impact management

**The project includes the following measures to manage surface water impacts:**

The CH3 site is 1.4 km north of the Bogan River, and has no connection with the Bogan. Strangely the land slopes gently downward away from the river (i.e. northward)

**The project includes the following measures to manage groundwater impacts:**

While nil groundwater is expected, the title holder will contain all drill cuttings, fluids and ground water returned to the surface as part of the drilling process in above-ground sump tanks or in-ground sumps pending recirculation or disposal. In-ground sumps must be lined with impermeable barrier where there is a potential risk of contamination from drill cuttings or fluids.

**The project includes the following measures to manage waste and excess materials:**

The licensee will ensure that all wastes (including drilling by-products contaminated by chemicals, contaminated residues, chemicals, oils or fuels) are collected, segregated and securely deposited in properly constructed containers and disposed of lawfully

**The project includes the following measures regarding the handling, use, storage and transportation of any chemicals and hydrocarbons:**

Regarding drilling additives and especially fuel, the licensee will demand clean practice and no spillage of the contractor. While dry drilling is anticipated, at this stage it is not possible to identify, quantify or describe chemicals additives and muds that might be required in the drilling.

**The project includes the following measures of how noise impacts will be managed to minimise impacts on nearby sensitive receptors:**

While there is a homestead that is occasionally occupied 5 km to the west of the site, the nearest realistically sensitive receiver is the town of Brewarrina, 34 km to the NNE. Nevertheless, the title holder will comply with appropriate noise management measures are set out in the Interim Construction Noise Guidelines (DECC,2009)

**The project includes the following measures to manage air quality impacts:**

Dust generated will equate to less than generated on adjacent station track, and the main dust issue is the health of the drilling personnel. Accordingly management controls will be designed to reduce the potential dust impacts of the RC drilling and will utilize dust suppression for this air drilling technique.

## Sensitivity of the land to be disturbed

Question	Yes/no
<b>Conservation areas</b>	
Land reserved under the <i>National Parks and Wildlife Act 1974</i> ?	No
Land acquired by the Minister under Part 11 of the <i>National Parks and Wildlife Act 1974</i> ?	No
Land subject to a 'conservation agreement' under the <i>National Parks and Wildlife Act 1974</i> and/or the <i>Biodiversity Conservation Act 2016</i> ?	No
Land declared as an aquatic reserve under the <i>Marine Estate Management Act 2014</i> ?	No
Land declared as a marine park under the <i>Marine Estate Management Act 2014</i> ?	No
Land within State Forests set aside under the <i>Forestry Act 2012</i> for conservation values, including Flora Reserves or Special Management (and other) Zones?	No
Land reserved or dedicated under the <i>Crown Lands Act 1989</i> / <i>Crown Lands Management Act 2016</i> (as applicable) for the preservation of flora, fauna, geological formations or other environmental protection purposes?	No
Land identified as wilderness or declared a wilderness area under the <i>Wilderness Act 1987</i> ?	No
Land subject to a Biobanking agreement (established under the now repealed <i>Threatened Species Conservation Act 1995</i> ) or a Biodiversity Stewardship agreement established under the <i>Biodiversity Conservation Act 2016</i> ?	No

Question	Yes/no
Land subject to a Wildlife Refuge agreement under the <i>Biodiversity Conservation Act 2016</i> ?	No
Land subject to existing conservation agreements on private land under repealed legislation that continue to have effect (e.g. trust agreements under <i>Native Conservation Trust Act 2001</i> , Property vegetation plans under <i>Native Vegetation Act 2003</i> , Registered property agreements under <i>Native Vegetation Conservation Act 1997</i> )?	No
<b>Drinking water catchment protection areas</b>	
Land declared to be a 'controlled area' or a 'special area' under the <i>Water NSW Act 2014</i> ?	No
Land declared to be a 'special area' under the <i>Water Management Act 2000</i> or <i>Hunter Water Act 1991</i> ?	No
<b>Sensitive areas</b>	
Land declared as area of outstanding biodiversity value under the <i>Biodiversity Conservation Act 2016</i> or critical habitat under Part 7A of the <i>Fisheries Management Act 1994</i> ?	No
Wetlands of international significance listed under the Ramsar Wetlands Convention?	No
Land designated as a nationally important wetland in the Directory of Important Wetlands?	No
Coastal wetlands mapped under <i>State Environmental Planning Policy (Resilience and Hazards) 2021</i> ?	No
Littoral rainforests mapped under <i>State Environmental Planning Policy (Resilience and Hazards) 2021</i> ?	No
Coastal zone as defined in the <i>Coastal Management Act 2016</i> ?	No
Land identified in an environmental planning instrument as being of biodiversity/conservation significance or zoned for environmental conservation, protection and/or management?	No
Waterfront land defined under the <i>Water Management Act 2000</i> ?	No
Land with a slope greater than 18 degrees measured from the horizontal?	No
<b>Land with potential for soil and water contamination</b>	
Land mapped as Actual Acid Sulfate Soils (AASS) or Potential Acid Sulfate Soils (PASS) on the Acid Sulfate Soils Risk Maps for NSW?	No
<b>Aboriginal protection areas</b>	
Land identified in an environmental planning instrument (such as a State Environmental Planning Policy or Local Environment Plan) as being of Aboriginal cultural significance?	No
Land declared as an Aboriginal place under the <i>National Parks and Wildlife Act 1974</i> ?	No
<b>Historic or natural heritage protection areas</b>	
Land listed on the World Heritage List, National Heritage List or Commonwealth Heritage List?	No
Land, places, buildings or structures listed on the NSW State Heritage Register?	No
Land identified in an environmental planning instrument (such as a State Environmental Planning Policy or Local Environment Plan) as being of heritage significance or a heritage conservation area?	No
<b>Critical industry clusters</b>	
Land identified as Critical Industry Cluster under <i>State Environmental Planning Policy (Resources and Energy) 2021</i> ?	No
<b>Community land</b>	
Public land classified as community land under the <i>Local Government Act 1993</i> ?	No
<b>Other areas</b>	
Land identified on the authority (e.g. exploration licence or assessment lease) as environmentally sensitive land?	No
<b>Ecology</b>	
Will the activity have a significant effect on threatened species or their habitats?	No
Will the activity have a significant effect on threatened ecological communities or their habitats?	No

Question	Yes/no
Will vegetation be removed as part of access track upgrade works in waterfront land?	No
<b>Aboriginal and European heritage</b>	
Will the activity harm Aboriginal objects as defined under the <i>National Parks and Wildlife Act 1974</i> ?	No
Will the activity damage any listed heritage items?	No

## Attachment 1 – Statement of commitments

Item	Commitment
<b>Activity type</b>	<p>Exploration activity comprising:</p> <ul style="list-style-type: none"> <li>• 0 diamond drill holes</li> <li>• 1 reverse circulation drill holes</li> <li>• 0 other drill holes</li> <li>• 0 cubic metres of bulk sampling</li> <li>• 0 square metres of new access tracks</li> <li>• 0 lines of seismic testing</li> <li>• 0 square metres of air core drilling</li> <li>• 0 square metres of other drilling</li> </ul>
<b>Activity location</b>	34km SSW of Brewarrina, within EL 9301 (1992).
<b>Activity scope (including any ancillary activities)</b>	<p>Preamble [1] The landowner has signed compensation, and this plus other holes in the program have been marked out. [2] A currently used station track passes within 200m of the drill site. [3] The once-every-half-century flooding of late 2022 swamped the drilling area, but it has now recovered to its normal hard dry and relatively bare state. [3] Even before flooding, natural parameters — wind, rain, etc, and grazing goats, had obliterated any faint trace of drilling carried out in this region in 1982. [4] During the floods there was demand for sand-bags to protect special property, and it is envisaged the bags of cuttings needing disposal will still be useful for this purpose. [6] The licensee has signed up with a Dubbo contractor to employ a large capacity mobile RC rig and awaits advice as to when the rig will become available. Drilling Plan/Schedule. Day 1 Drill contractor arrives on site with rig, support truck (rods, fuel, sundries), plus runabout vehicle and 3 men. Depending on time of arrival he may set up at the marked site and pre-collar with surface casing. Days 2 &amp; 3. RC drilling and collection of all cuttings in 60 x100 cm green plastic bags for every 1 m interval will proceed to 200m. Day 3. Contractor finalises hole by sealing 40 cm below surface with commercial cap, moves to next site and sets up. At this stage, although the hole is sealed, it is preserved for possible re-access in case logging and analysis shows a case for deepening the hole. Day20 (estimated). Geologist returns to site, logs cuttings and samples any mineralised material. Day 60 (estimated) Following receipt of any assays, geologist returns to site, carries out any follow-up sampling, and supervises removal of bags of cuttings by a contractor, for suitable dumping or for flood mitigation. He carries out final clean-up by hand shovelling.</p> <p>The preferred contractor has indicated that he will stay in the Brewarrina township. regarding water storage, the usual on-board fire-fighting and general use tank of water is expected to be part of the drilling plant, and no special water arrangements are planned.</p>
<b>Hours of operation</b>	Other Standard business hours but 7 days a week
<b>Expected duration (weeks)</b>	½ week
<b>Anticipated start date</b>	1 July 2024
<b>Expected rehabilitation completion date</b>	Estimated 1 October 2024
<b>Maximum area of disturbance</b>	900 square metres
<b>Air quality</b>	The title holder must implement all measures to prevent, so far as practicable, pollution caused by dust and other air pollutants.



Item	Commitment
<b>Protection of water sources</b>	<p>The title holder must implement all measures to prevent, so far as practicable, causing adverse impacts on water quality and quantity, including groundwater levels and pressure.</p> <p>Prior to the construction and use of any borehole, the holder of a coal prospecting title must prepare a Groundwater Monitoring and Modelling Plan in consultation with the Water Division of the NSW Department of Planning and Environment.</p>
<b>Erosion, sediment and soil controls</b>	<p>The title holder must implement all measures to prevent, so far as is practicable, causing any land degradation or pollution of land or water.</p> <p>The title holder must implement all practicable measures to prevent harm to the environment when disturbing land in areas of potential acid sulfate soils and actual acid sulfate soils.</p>
<b>Noise and vibration</b>	<p>The titleholder must implement all practicable noise management measures to ensure that noise levels meet acceptable noise criteria for sensitive receivers.</p> <p>Unless otherwise agreed with relevant landholders, the title holder must notify any potentially affected landholders at least 24 hours prior to detonating explosives.</p>
<b>Use of chemicals, fuels and lubricants</b>	<p>The titleholder must implement all measures to prevent, so far as is practicable, causing contamination of the environment by the release of chemicals, fuels, lubricants and other potential pollutants.</p> <p>The title holder must ensure that all chemicals, fuels and lubricants, excluding those contained within plant and equipment, are:</p> <ol style="list-style-type: none"> <li>a. stored and handled in accordance with any relevant Safety Data Sheet and Australian Standards for the material, and</li> <li>b. stored in appropriate containers that are in good condition and labelled to clearly identify the stored product, and</li> <li>c. kept in a facility or area which is capable of containing at least 110% of the largest container capacity stored within that area.</li> </ol> <p>The title holder must:</p> <ol style="list-style-type: none"> <li>a. ensure that adequate spill prevention and absorbent materials required to manage spills and leaks for all potential pollutants which are on site are readily available at all times, and</li> <li>b. use appropriate equipment and materials to capture any drips and spills which occur during the transfer of potential pollutants, and when carrying out maintenance of hydrocarbon filled plant and equipment.</li> </ol>
<b>Waste</b>	<p>The titleholder must manage all waste in a manner which does not cause harm to the environment.</p>
<b>Vegetation clearing and surface disturbance</b>	<p>The title holder must minimise the extent of any vegetation clearing and surface disturbance to as low as practicable.</p> <p>The boundaries of any areas of vegetation clearing and surface disturbance must be demarcated.</p> <p>The title holder must implement all measures to prevent, so far as practicable, adverse impacts to fauna caused by vegetation clearing or surface disturbance.</p> <p>The title holder must inspect trees and canopy branches for fauna prior to felling or branch removal, and clearly demarcate any hollows or active bird nests.</p> <p>The title holder must not proceed with tree felling or branch removal until any resident fauna have been relocated by an ecologist or other competent party.</p>
<b>Roads and tracks</b>	<p>The title holder must consult with relevant landholders prior to establishing any new roads or tracks.</p>

Item	Commitment
	<p>The title holder must plan, design, construct, maintain and use roads and tracks in a manner which minimises the area and duration of disturbance to the environment and landholders to as low as practicable.</p> <p>The title holder must construct any crossings of rivers, permanent and intermittent water lands and wetlands to prevent, so far as practicable, impacts on fish habitats.</p> <p>The title holder must refrain from using any unsealed road or track during wet conditions to prevent damage to that road or track, unless the road or track has been designed and constructed for use in wet conditions, or the landholder expressly consented to the use of that road or track in wet conditions.</p> <p>Unless otherwise agreed with the relevant landholder, the title holder must repair all damage to existing roads and tracks resulting from exploration activities.</p>
<b>Aboriginal and other cultural heritage</b>	The titleholder must implement all measures to prevent, so far as practicable, harm to Aboriginal cultural heritage and non-indigenous cultural heritage.
<b>Weeds, pest animals and diseases</b>	The titleholder must implement all practicable measures to prevent the introduction and spread of weeds, pest animals and animal and plant diseases.
<b>Livestock protection</b>	The title holder must implement all measures to prevent, so far as practicable, causing adverse impacts to livestock.
<b>Fire prevention</b>	The title holder must implement all measures to prevent, as far as practicable, the ignition and spread of fire.
<b>Rehabilitation commitments</b>	The activity will be undertaken in accordance with the rehabilitation objectives and targets provided for this project.
<b>Risk assessments</b>	The title holder must monitor the risks associated with activities and, if the risk associated with an activity changes, implement revised environmental management controls.
<b>Incident management</b>	The NSW Resources Regulator will be notified of all incidents in accordance with the requirements of EL 9301 (1992).
<b>Reporting</b>	Reporting to the NSW Resources Regulator and Mining, Exploration and Geoscience – Department of Regional NSW will be in accordance with the legislation and conditions of EL 9301 (1992).
<b>Codes of Practice</b>	<p>Toorang will be operated in accordance with:</p> <ul style="list-style-type: none"> <li>• Exploration Code of Practice: Environmental Management</li> <li>• Exploration Code of Practice: Rehabilitation</li> <li>• Exploration Code of Practice: Produced Water Management, Storage and Transfer</li> </ul>
<b>Other (as applicable)</b>	1. No additional terms specified.

## Attachment 2 – Definitions

To search for NSW legislation, visit [www.legislation.nsw.gov.au](http://www.legislation.nsw.gov.au). Commonwealth legislation can be found at [www.legislation.gov.au](http://www.legislation.gov.au).

Word	Definition
<b>Aboriginal object</b>	Has the same meaning as it has in the <i>National Parks and Wildlife Act 1974</i> .
<b>Aboriginal place</b>	Has the same meaning as it has in the <i>National Parks and Wildlife Act 1974</i> .
<b>Acid Sulfate Soils</b>	Sediments and soils containing iron sulfides which, when exposed to oxygen, generate sulfuric acid.  Acid sulfate soils include actual acid sulfate soils (AASS) or potential acid sulfate soils (PASS).
<b>Activity</b>	Any activity carried out in connection with exploration, including: <ul style="list-style-type: none"> <li>the use of land</li> <li>means of accessing land</li> <li>the carrying out of a work.</li> </ul>
<b>Activity approval</b>	An approval to carry out assessable prospecting operations granted under the <i>Mining Act 1992 / Petroleum (Onshore) Act 1991</i> – as relevant.
<b>Actual Acid Sulfate Soils (AASS)</b>	Sediments and soils containing highly acidic soil horizons or layers resulting from the aeration of sediments and soils that are rich in iron sulfides, primarily sulphide.
<b>Applicant</b>	In relation to an exploration activity, the person proposing to carry out the exploration activity.
<b>Aquatic reserve</b>	Has the same meaning as it has in the <i>Marine Estate Management Act 2014</i> .
<b>Areas of Outstanding Biodiversity Value (AOBVs)</b>	Has the same meaning as it has in the <i>Biodiversity Conservation Act 2016</i> .  Note: Areas of declared critical habitat under the now repealed <i>Threatened Species Conservation Act 1995</i> have become Areas of Outstanding Biodiversity Value (AOBVs) under the <i>Biodiversity Conservation Act 2016</i> .
<b>Assessable prospecting operation</b>	Any prospecting operation that is not exempt development within the meaning of <i>State Environmental Planning Policy (Resources and Energy) 2021</i> .
<b>Clearing of vegetation</b>	Any one or more of the following: <ul style="list-style-type: none"> <li>cutting down, felling, thinning, lopping, logging or removing vegetation, or</li> <li>killing, destroying, poisoning, ringbarking, uprooting or burning vegetation.</li> </ul>
<b>Complying exploration activities (CEA)</b>	Exploration activities that are considered unlikely to significantly affect the environment as set out in <i>Exploration guideline: Application and assessment process for exploration activities</i> .
<b>Critical habitat</b>	Has the same meaning as it has in the <i>Fisheries Management Act 1994</i> .  Areas of declared critical habitat under the now repealed <i>Threatened Species Conservation Act 1995</i> have become Areas of Outstanding Biodiversity Value (AOBVs) under the <i>Biodiversity Conservation Act 2016</i> .
<b>Drill hole</b>	A hole made by drilling or boring, but excludes: <ul style="list-style-type: none"> <li>sampling and coring using handheld equipment</li> <li>petroleum wells.</li> </ul>
<b>Drilling</b>	The perforation of the earth's surface crust by mechanical means to form a hole, whether the hole caused by the perforation is vertical, inclined or horizontal, and

Word	Definition
	includes all operations for preventing collapse of the sides of such hole or for preventing it from being filled with extraneous materials including water
<b>Environment</b>	Has the same meaning as it has in the <i>Mining Act 1992 / Petroleum (Onshore) Act 1991</i> – as relevant.
<b>Environmentally sensitive area of State significance</b>	Has the same meaning as it has in <i>State Environmental Planning Policy (Resources and Energy) 2021</i> .
<b>Excavation</b>	The removal of the surface layer to a depth greater than 500 mm from the natural surface level.
<b>Exempt development</b>	Has the same meaning as it has in <i>State Environmental Planning Policy (Resources and Energy) 2021</i> .
<b>Exploration</b>	Has the same meaning as it has in <i>State Environmental Planning Policy (Resources and Energy) 2021</i> .
<b>Fauna</b>	Has the same meaning as it has in the <i>National Parks and Wildlife Act 1974</i> .
<b>Groundwater</b>	Water that occurs beneath the ground surface in the saturated zone.
<b>Habitat</b>	Has the same meaning as it has in the <i>Biodiversity Conservation Act 2016</i> or the <i>Fisheries Management Act 1994</i> (as relevant).
<b>Harm</b>	<p>In relation to matters of national environmental significance, has the same meaning as 'significant impact' as provided by the 'Significant Impact Guidelines' used to determine whether assessment and approval is required under the <i>Commonwealth Environment Protection and Biodiversity Conservation Act 1999</i>.</p> <p>In relation to the environment, has the same meaning as it has in the <i>Protection of the Environment Operations Act 1997</i>.</p> <p>In relation to threatened species or ecological communities, has the same meaning as:</p> <ul style="list-style-type: none"> <li>• 'harm an animal' in the <i>National Parks and Wildlife Act 1974</i></li> <li>• 'pick a native plant' in the <i>National Parks and Wildlife Act 1974</i></li> <li>• 'harm' in the <i>Fisheries Management Act 1994</i>.</li> </ul> <p>In relation to an aquifer or waterfront land, has the same meaning as it has in the <i>Water Management Act 2000</i>.</p> <p>In relation to Aboriginal places or Aboriginal objects has the same meaning as it has in the <i>National Parks and Wildlife Act 1974</i>.</p> <p>In relation to items of heritage significance, has the same meaning as it has in the <i>Heritage Act 1977</i>.</p> <p>In relation to protected marine vegetation, has the same meaning as it has in the <i>Fisheries Management Act 1994</i>.</p>
<b>Items of heritage significance</b>	<p>Means:</p> <ul style="list-style-type: none"> <li>• any heritage items listed in one or more of the following: <ul style="list-style-type: none"> <li>— the Commonwealth Heritage List</li> <li>— the World Heritage List</li> <li>— the National Heritage List</li> <li>— the State Heritage Register</li> <li>— an Environmental Planning Instrument</li> </ul> </li> </ul>

Word	Definition
	<ul style="list-style-type: none"> <li>• any relic (being any deposit, object or material evidence which relates to the settlement of the area that comprises New South Wales, not being Aboriginal settlement, and which is 50 or more years old), or</li> <li>• within State Conservation Areas: <ul style="list-style-type: none"> <li>— items that are listed on the DECC Historic Heritage Information Management System, or</li> <li>— any deposit, object or material evidence relating to the settlement or occupation of New South Wales or a part of New South Wales (not being Aboriginal settlement or occupation) if the deposit, object or material evidence is more than 25 years old at the date of the interference or removal.</li> </ul> </li> </ul>
<b>Land</b>	<p>Includes:</p> <ul style="list-style-type: none"> <li>• the sea or an arm of the sea</li> <li>• a bay, inlet, lagoon, lake or body of water, whether inland or not and whether tidal or non-tidal</li> <li>• a river, stream or watercourse, whether tidal or non-tidal, and</li> <li>• a building erected on the land</li> </ul>
<b>Marine vegetation</b>	Has the same meaning as it has in the <i>Fisheries Management Act 1994</i> .
<b>Matters of national environmental significance</b>	'Matters of national environmental significance' protected under the <i>Commonwealth Environment Protection and Biodiversity Conservation Act 1999</i> .
<b>Minister</b>	The Minister administering the <i>Mining Act 1992 / Petroleum (Onshore) Act 1991</i> – as relevant.
<b>Native vegetation</b>	Has the same meaning as it has in the <i>Local Land Services Act 2013</i> .
<b>Potential acid sulphate soils (PASS)</b>	Sediments and soils that contain iron sulfides or sulfidic material which have not been exposed to air and oxidised
<b>Produced water</b>	Any form of groundwater that is actively extracted from a borehole or excavation, excluding incidental groundwater mixed with drilling fluids.
<b>Rehabilitation</b>	Has the same meaning as it has in the <i>Mining Act 1992 / Petroleum (Onshore) Act 1991</i> – as relevant.
<b>Seismic survey</b>	The use of shock waves (generated in the ground using either small explosive charges detonated below the surface, hand-held mechanical hammers or vehicle-mounted hammers) and an array of geophones, which are connected to measuring instruments, to differentiate the geophysical properties of the subsurface of the earth.
<b>Sensitive receiver</b>	<p>Includes:</p> <ul style="list-style-type: none"> <li>• dwellings</li> <li>• libraries</li> <li>• educational and research institutions (including schools, colleges and universities)</li> <li>• childcare centres</li> <li>• kindergartens</li> <li>• hospitals, surgeries and other medical institutions</li> <li>• places of worship</li> </ul>

Word	Definition
	<ul style="list-style-type: none"> <li>• milking sheds and holding yards associated with dairies</li> <li>• animal boarding or training establishments</li> <li>• aquaculture</li> <li>• intensive livestock agriculture</li> </ul>
<b>Site</b>	The land on which an activity is located.
<b>State Conservation Area</b>	Has the same meaning as it has in the <i>National Parks and Wildlife Act 1974</i> .
<b>Surface disturbance</b>	Means: <ul style="list-style-type: none"> <li>• disturbance or exposure of the soil or surface rock layer, or</li> <li>• degradation or deterioration in any manner of the physical surface of land.</li> </ul>
<b>Terms</b>	In relation to activity approvals, the terms imposed by the decision-maker on the grant of an activity approval.
<b>Threatened species or ecological communities</b>	Has the same meaning as it has in the <i>Biodiversity Conservation Act 2016</i> or <i>Fisheries Management Act 1994</i> (as relevant).
<b>Title</b>	An authority under the <i>Mining Act 1992</i> / a title under the <i>Petroleum (Onshore) Act 1991</i> – as relevant.
<b>Titleholder</b>	A person or company to whom a title has been issued.
<b>Track</b>	All unsealed routes that will be traversed multiple times, but does not include single pass (ingress and egress) routes or seismic shot and receiver lines.
<b>Waste</b>	Has the same meaning as it has in the <i>Protection of the Environment Operations Act 1997</i> .
<b>Water source</b>	Has the same meaning as it has in the <i>Water Management Act 2000</i> .
<b>Water land</b>	Has the same meaning as it has in the <i>Fisheries Management Act 1994</i> .
<b>Waterfront land</b>	Has the same meaning as it has in the <i>Water Management Act 2000</i> .
<b>Wetlands</b>	Has the same meaning as it has in the <i>Fisheries Management Act 1994</i> .
<b>Wilderness</b>	Lands identified as wilderness under the <i>Wilderness Act 1987</i> .
<b>Wilderness area</b>	Lands (including subterranean lands) declared to be a wilderness area under the <i>Wilderness Act 1987</i> or the <i>National Parks and Wildlife Act 1974</i> .

## Attachment 3 – List of supporting documents

- AHIMS map of drill hole CH3 area.jpg
  - APO0001762 Application to undertake assessable prospecting operations.eml
  - APO0001762\_Submission Report\_13 May 2024 3:57pm.pdf
  - APO0001762\_Submission Report\_23 May 2024 5:37pm.pdf
  - Charlton CH3 site 23May24.zip
  - Not applicable.docx
  - Not applicable.docx
  - Not applicable.docx
  - Olive-Perchlet distribution in NSW.jpg
  - Proposed Ch3 photo.jpg

FORM: APO\_C\_Apvl v3.1