

Thursday 6 June 2024

Assessable Prospecting Operation Application Decision Briefing and Review of Environmental Factors document Achilles | APO0001773

Decision Maker	Monique Meyer
Prepared by	Marianne Bonnay
Title	EL 8968 (1992)
Authorised Representative	
Project name	Achilles
Activity type	Complying Exploration Activity

Issue

has sought an activity approval in respect of Achilles, within EL 8968 (1992), at 25km NW from Lake Cargelligo.

Pursuant to section 2.8 of *State Environmental Planning Policy (Resources and Energy) 2021*, development for the purposes of exploration (i.e. prospecting) may be carried out without development consent.

An authority issued under the *Mining Act 1992* is subject to a condition that the authority holder must not carry out an assessable prospecting operation on land over which the authority is granted unless an activity approval has been obtained for the carrying out of the assessable prospecting operation.

As assessable prospecting operations require approval by the Minister under the *Mining Act 1992*, a duty is imposed on determining authorities under Part 5 of the *Environmental Planning and Assessment Act 1979* to:

- examine and take into account to the fullest extent possible all matters affecting or likely to affect the environmental by reason of the proposed activity; and
- if the activity is likely to significantly affect the environment, examine and consider an environmental impact statement in respect of the activity.

The Minister is the determining authority for all exploration activities subject to environmental assessment under Part 5 of the *Environmental Planning and Assessment Act 1979*.

The Decision Maker, under delegation from the Minister, is required to determine whether:

- the proposed activity is not likely to have a significant impact on the environment and is not likely to significantly affect threatened species, populations or ecological communities (or their habitats) or impact biodiversity values and can be approved,
- the proposed activity is likely to have a significant impact on the environment and therefore an Environmental Impact Statement (EIS) is required,

Achilles | APO0001773

- the proposed activity will be carried out in a declared area of outstanding biodiversity value and is likely to significantly affect threatened species, populations or ecological communities, or their habitats or impact biodiversity values, meaning a Species Impact Statement (SIS) and/or Biodiversity Development and Assessment Report (BDAR) is required, or
- there is insufficient information to make a decision.

Background

Background

This exploration activity approval is being sought under EL 8968 (granted 9 April 2020 & expiry 9 April 2029) to undertake assessable prospecting operations.

The current security deposit required for EL 8968 is \$42,500.

This application forms part of the Achilles exploration program and previously approved exploration activities that form part of this program include:

- 1- APO0001609 for 20RC/DDH drillholes approved on 12/12/2023.
- 2- APO0001234 for 250AC drillholes approved on 29/6/2022.
- 3- APO0001213 for 1000 auger holes (2-15m depth) approved on 19 May 2022.
- 4- APO0001039 for 20RC/DD holes approved on 16 June 2021.

Assessment Notes

The assessment has determined that the activity is not likely to significantly affect the environment, including threatened species or ecological communities (or their habitats), or declared areas of outstanding biodiversity value/critical habitat.

Proposed exploration activity

The proposed exploration activity (including details of the site, the existing environment, impact thresholds and impact management) are described in *APPLICATION TO UNDERTAKE ASSESSABLE PROSPECTING*OPERATIONS Achilles report and the information provided in support of the application.

The objective of the proposed exploration activity is to carry out works on, or to remove samples from, land for the purpose of testing the resource quality and/or quantity of the land. This is consistent with the objects of the *Mining Act 1992*, including to facilitate the discovery and development of resources in NSW.

No alternatives options to the proposed activity were considered.

Security

Refer to RCE Record RCE0002041

Assessment of Impacts (Complying exploration activity)

An assessment of the significance of environmental impacts associated with the proposed activity was undertaken in accordance with the Department of Planning and Environment's "Guidelines for Division 5.1 assessments". The results of this assessment are documented in the attached Review of Environmental Factors document.

Additional terms (if approved)

No additional terms are required.

Summary

Based on the information provided in the *APPLICATION TO UNDERTAKE ASSESSABLE PROSPECTING OPERATIONS Achilles* report, and the Review of Environmental Factors document, the proposed activity has been assessed as is not likely to have a significant impact on the environment and therefore an EIS is not required.

The application has been assessed and the recommendation is to Approve the activity.

Certification

I, Marianne Bonnay, certify that I have reviewed and endorsed the contents of the attached Review of Environmental Factors document and, to the best of my knowledge, it is in accordance with the *Environmental Planning and Assessment Act 1979*, the Environmental Planning and Assessment Regulation 2021 and the Guidelines approved under clause 170 of the EP&A Regulation, and the information it contains is neither false nor misleading.

Recommendation

The Decision Maker, under delegation from the Minister:

- Assesses the environmental impact of Achilles and determines that the activity is is not likely to have a significant impact on the environment and therefore an EIS is not required under Part 5 of the Environmental Planning and Assessment Act 1979.
- Approve the activity pursuant to the Mining Act 1992.

Review of Environmental Factors document

Criteria Air Impacts: Air quality impacts (including impacts on nearby sensitive receptors).

Potential impacts	Particulates and emissions from vehicle exhausts, plant and machinery.		
	Wind erosion and dust from disturbed soils during construction and operations.		
	Dust from vehicles travelling over tracks.		
	Dust generation from operating plant and machinery.		
	Air quality impacts on nearby sensitive receivers.		
	This program is very unlikely to have significant or long term impacts on air quality. Dust will be minimised using the cyclone's dust suppression system.		
Proposed management controls	Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Activities must comply with cumulative AQ criteria. b. Emissions from the activities should not result in cumulative PM10 levels exceeding 50ug/m3 (24hr) or 30 ug/m3 (annual average) at any occupied residence. c. Emissions from the activities should not result in cumulative PM2.5 emissions exceeding 25 ug/m3 (24hr) or 8 ug/m3 (annual average) at any occupied residence. d. Vehicle speeds limited to minimise dust. e. Roads watered during high traffic periods. f. Surface disturbance managed in accordance with Blue Book. Impacts of any drilling limited to immediate vicinity of drilling due to controls set out in title conditions (Exploration Code of Practice: Environmental Management). Impacts negligible due to nature of drilling activities. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any boreholes).		
Duration	Short term		
Application ranking			
What is the confidence in predicting impacts?	High	Are further studies required on impacts or	No
		mitigation?	
How resilient is the environment to cope with impacts?	N/A	What is the level of public concern?	Low
Can the impacts be reversed?	Yes	Ranking of potential	Low
Can the impacts be mitigated?	Partly	significance Justification f	or ranking
Do the operations comply with	Yes	oustinoution i	or running
standards, plans, policies? Criteria	Air Impacts: Greenhouse or ozone impacts.		
Potential impacts	Emissions from combustion of fuel associate construction, operations and rehabilitation.	ed with vehicles,	plant and machinery during
	Fugitive methane emissions from intercepted	d seams.	
	Fugitive emissions of gases or vapour from of AIR	drilling operations	s and the operation of flares.
	This program is very unlikely to have signific minimised using the cyclone's dust suppress		impacts on air quality. Dust will be
Proposed management controls	Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Petroleum exploration activities cannot be a CEA. CO2 emissions from activities are extremely limited and inconsequential in context of global emissions and impact. Restrictions on use of ozone depleting substances in NSW also limits ozone depletion. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any boreholes).		
Duration	Medium term atmospheric residence.		
Application ranking What is the confidence in predicting impacts?	High	Are further studies required on	No
		impacts or mitigation?	
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public	Low
		concern?	

Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Potential for temperature inversions in winter to trap dust and air particulates. Wind erosion possible from exposed soils. Particulate emissions from vehicles and machinery. Dust generation from operating machinery, vehicles travelling over tracks, etc. AIR This program is very unlikely to have significant or long term impacts on air quality. Dust will be minimised using the cyclone's dust suppression system. Proposed management controls Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Activities must comply with the commitment in the application (APO). Relevant requirements of this Code include: a. Activities must comply with or a sugnal servage) at any occupied residence. c. Emissions from the activities should not result in runniative PMZ 5 emissions from the activities should not result in cumulative PMZ 5 emissions from the activities should not result in cumulative PMZ 5 emissions from the activities should not result in cumulative PMZ 5 emissions exceeding 25 ug/m3 (24rh) or 8 ug/m3 (annual average) at any occupied residence. d. Vehicle speeds limited to minimise dust. e. Reads watered during high traffic periods. f. Surface disturbance managed in accordance with Blue Book. Impacts of any drilling limited to immediate vicinity of drilling due to controls set out in Exploration Code of Practice: Rehabilitation). Rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any borreholes). Power of the impacts of a					
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Air impacts Air impacts Air impacts impacts Air impacts Air impacts impacts Air impacts Air impacts Air impacts Air impacts impacts Air imp	Can the impacts be reversed?	Yes		Low	
Can the impacts be mitigated? Partly Do the operations comply with standards, plans, policies? Criteria Potential impacts Potential for temperature inversions in winter to trap dust and air particulates. Wind erosion possible from exposed soils. Particulate emissions from vehicles and machinery. Dust generation from operating machinery, vehicles travelling over tracks, etc. AIR This program is very unlikely to have significant or long term impacts on air quality. Dust will be minimised using the cyclone's dust suppression system. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Activities must comply with curulative PMC3 criteria. B. Emissions from the activities should not result in cumulative PMT0 levels exceeding 50ug/m3 (2Ahr) or 30 ug/m3 (annual average) at any occupied residence. c. Emissions from the activities should not result in cumulative PMT0 sensisions exceeding 50ug/m3 (annual average) at any occupied residence. disturbance managed in accordance with Bitue Book. Impacts of any fulling limited to immediate vicinity of drilling due to controls set out in Exploration Code of Practice: Environmental Management (impacts negligible due to nature of drilling activities). All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Environmental Management (impacts negligible due to nature of drilling activities). All disturbed areas to be rehabilitation to occur as soon as practicable after completion of activity (including sealing of any boreholes). Duration Short term Application ranking What is the conflicted: What is the conflicted: High Resilience High Resilience Yes Ra					
Do the operations comply with standards, plans, policies? Criteria Potential impacts Potential for temperature inversions in winter to trap dust and air particulates. Wind erosion possible from exposed soils. Particulate emissions from vehicles and machinery. Dust generation from operating machinery, vehicles travelling over tracks, etc. AIR This program is very unlikely to have significant or long term impacts on air quality. Dust will be minimised using the cyclone's dust suppression system. Proposed management controls Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Activities must comply with cumulative AIC oritoria. b. Emissions from the activities should not result in cumulative PMI (PAP). Relevant requirements of this Code include: a. Activities must comply with cumulative AIC articles. b. Emissions from the activities should not result in cumulative PMI (PAP). Relevant requirements of this Code include: a. Activities must comply with cumulative AIC articles. b. Emissions from the activities should not result in cumulative PMI (PAP). Relevant requirements of this Code include: a. Activities must comply with cumulative AIC articles. b. Emissions from the activities should not result in cumulative PMI (PAP) or 30 upm (part)	Can the impacts be mitigated?	Partly		or ranking	
Air Impacts		,	Justilication	or ranking	
Potential impacts Air Impacts: Additional impacts on areas with degraded air quality. Potential impacts Potential for temperature inversions in winter to trap dust and air particulates. Wind erosion possible from exposed soils. Particulate emissions from vehicles and machinery. Dust generation from operating machinery, vehicles travelling over tracks, etc. AIR This program is very unlikely to have significant or long term impacts on air quality. Dust will be minimised using the cyclone's dust suppression system. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a Activities must comply with cumulative AQ criteria. b. Emissions from the activities should not result in cumulative PMD levels exceeding 50ug/m3 (24hr) or 30 ug/m3 (annual average) at any occupied residence. c. Emissions from the activities should not result in cumulative PMD.5 emissions exceeding 10 ug/m3 (24hr) or 30 ug/m3 (annual average) at any occupied residence. c. Emissions from the activities should not result in cumulative PMD.5 emissions exceeding 10 ug/m3 (24hr) or 30 ug/m3 (annual average) at any occupied residence. c. Emissions from the activities should not result in cumulative PMD.5 emissions exceeding 10 ug/m3 (24hr) or 30 ug/m3 (annual average) at any occupied residence. d. Vehicle speeds limited to minimise dust. e. Roads watered during high traffic periods. f. Surface disturbance managed in accordance with Blue Book. Impacts of profiting imited to immediate vicinity of drilling dus to controls set out in Exploration Code of Practice: Environmental Management (impacts regiligible due to nature of drilling activities). All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation in accordance with title conditions (Exploration Code of Prac		163			
Wind erosion possible from exposed soils. Particulate emissions from vehicles and machinery. Dust generation from operating machinery, vehicles travelling over tracks, etc. AIR This program is very unlikely to have significant or long term impacts on air quality. Dust will be minimised using the cyclone's dust suppression system. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Activities must comply with cumulative AQ criteria. b. Emissions from the activities should not result in cumulative PM10 levels exceeding 50 log/m3 (24hr) or 30 ug/m3 (annual average) at any occupied residence. c. Emissions from the activities should not result in cumulative PM2.5 emissions exceeding 25 ug/m3 (24hr) or 8 ug/m3 (annual average) at any occupied residence. d. Vehicle speeds limited to minimise dust. e. Roads watered during high traffic periods. f. Surface disturbance managed in accordance with Blue Book. Impacts of any drilling limited to immediate vicinity of drilling due to controls set out in Exploration Code of Practice: Rehabilitation in occur as soon as practicable after completion of activity (including sealing of any boreholes). Duration Short term Application ranking What is the confidence in predicting impacts? High Resilience High Resilience What is the environment to cope with impacts? Yes Parity Justification for ranking On the operations comply with standards, plans, policies? Parity Justification for ranking		Air Impacts: Additional impacts on areas with degraded air quality.			
Particulate emissions from vehicles and machinery. Dust generation from operating machinery, vehicles travelling over tracks, etc. AIR This program is very unlikely to have significant or long term impacts on air quality. Dust will be minimised using the cyclone's dust suppression system. Proposed management controls Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a Activities must comply with cumulative AQ criteria. b. Emissions from the activities should not result in cumulative PM10 levels exceeding 50ug/m3 (24rh) or 30 ug/m3 (annual average) at any occupied residence. c. Emissions from the activities should not result in cumulative PM2.5 emissions exceeding 25 ug/m3 (24rh) or 8 ug/m3 (annual average) at any occupied residence. d. Vehicle speeds limited to minimise dust. e. Roads watered during high traffic periods. f. Surface disturbance managed in accordance with Blue Book. Impacts of any drilling limited to immediate vicinity of drilling due to controls set out in Exploration Code of Practice: Perivonmental Management (impacts negligible due to nature of drilling activities). All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any boreholes). Duration Application ranking What is the confidence in predicting impacts? High Resilience High Are further studies required on impacts or mitigation? How resilient is the environment to cope with impacts? Yes Ranking of Low public concern? Can the impacts be mitigated? Partly Justification for ranking Do the operations comply with standards, plans, policies?	Potential impacts	Potential for temperature inversions in winter	ential for temperature inversions in winter to trap dust and air particulates.		
Dust generation from operating machinery, vehicles travelling over tracks, etc. AIR This program is very unlikely to have significant or long term impacts on air quality. Dust will be minimised using the cyclone's dust suppression system. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements to of this Code include: a. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Activities must comply with cumulative PM of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Activities must comply with cumulative PM of Practice: Environmental Management of the Code in the code in the committee of the code in the		Wind erosion possible from exposed soils.			
AIR This program is very unlikely to have significant or long term impacts on air quality. Dust will be minimised using the cyclone's dust suppression system. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Activities must comply with cumulative PM10 levels exceeding 50ug/m3 (24hr) or 30 ug/m3 (annual average) at any occupied residence. c. Emissions from the activities should not result in cumulative PM2.5 emissions exceeding 25 ug/m3 (24hr) or 8 ug/m3 (annual average) at any occupied residence. d. Vehicle speeds limited to minimise dust. e. Roads waterd during high traffic periods. f. Surface disturbance managed in accordance with Blue Book. Impacts of any drilling limited to immediate vicinity of drilling due to controls set out in Exploration Code of Practice: Environmental Management (impacts negligible due to nature of drilling activities). All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation), Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any boreholes). Duration Application ranking What is the confidence in predicting impacts? High Resilience High Resilience What is the Low level of public concern? Can the impacts be reversed? Yes Ranking of potential significance Can the impacts be mitigated? Do the operations comply with standards, plans, policies?		Particulate emissions from vehicles and made	chinery.		
This program is very unlikely to have significant or long term impacts on air quality. Dust will be minimised using the cyclone's dust suppression system. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Activities must comply with cumulative AQ criteria. b. Emissions from the activities should not result in cumulative PM10 levels exceeding 95 sug/m3 (24hr) or 30 ug/m3 (annual average) at any occupied residence. c. Emissions from the activities should not result in cumulative PM2.5 emissions exceeding 25 ug/m3 (24hr) or 8 ug/m3 (annual average) at any occupied residence. d. Vehicle speeds limited to minimise dust. e. Roads watered during high traffic periods. f. Surface disturbance managed in accordance with Blue Book. Impacts of any drilling limited to immediate vicinity of drilling due to controls set out in Exploration Code of Practice: Environmental Management (impacts negligible due to nature of drilling activities). All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any boreholes). Buration What is the confidence in predicting impacts? High Resilience What is the environment to cope with impacts? Yes Ranking of public concern? Can the impacts be mitigated? Partly Justification for ranking Partly Justification for ranking		, ,	vehicles travelling	g over tracks, etc.	
must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Activities must comply with cumulative AQ criteria. b. Emissions from the activities should not result in cumulative PM10 levels exceeding 50ug/m3 (24hr) or 30 ug/m3 (annual average) at any occupied residence. c. Emissions from the activities should not result in cumulative PM2.5 emissions exceeding 25 ug/m3 (24hr) or 8 ug/m3 (annual average) at any occupied residence. d. Vehicle speeds limited to minimise dust. e. Roads watered during high traffic periods. f. Surface disturbance managed in accordance with Blue Book. Impacts of any drilling limited to immediate vicinity of drilling due to controls set out in Exploration Code of Practice: Environmental Management (impacts negligible due to nature of drilling activities). All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any boreholes). Duration		This program is very unlikely to have signific	ant or long term sion system.	impacts on air quality. Dust will be	
Application ranking What is the confidence in predicting impacts? High Are further studies required on impacts or mitigation?	Proposed management controls	must comply with (Exploration Code of Pract commitment in the application (APO). Releve must comply with cumulative AQ criteria. cumulative PM10 levels exceeding 50ug/m3 residence. c. Emissions from the activities exceeding 25 ug/m3 (24hr) or 8 ug/m3 (annu speeds limited to minimise dust. e. Roads disturbance managed in accordance with Bluvicinity of drilling due to controls set out in Explanagement (impacts negligible due to nature rehabilitated in accordance with title conditions Rehabilitation to occur as soon as practicable	tice: Environment ant requirements b. Emissions from (24hr) or 30 ug/s should not result all average) at a so watered during ue Book. Important of the contraction Code of the contraction of the contracti	tal Management) as per the s of this Code include: a. Activities in the activities should not result in m3 (annual average) at any occupied in cumulative PM2.5 emissions ny occupied residence. d. Vehicle high traffic periods. f. Surface lacts of any drilling limited to immediate of Practice: Environmental vities). All disturbed areas to be code of Practice: Rehabilitation).	
Application ranking What is the confidence in predicting impacts? High Are further studies required on impacts or mitigation?	Duration	T			
What is the confidence in predicting impacts? High Are further studies required on impacts or mitigation? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? High Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ranking		Oner term			
How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? High Resilience What is the level of public concern? Ranking of potential significance Justification for ranking Yes	What is the confidence in	High	studies required on impacts or	No	
Can the impacts be reversed? Yes Ranking of potential significance Can the impacts be mitigated? Partly Do the operations comply with standards, plans, policies? Yes Ranking of potential significance Justification for ranking Yes		High Resilience	What is the level of public	Low	
Do the operations comply with standards, plans, policies?	Can the impacts be reversed?	Yes	Ranking of potential	Low	
Do the operations comply with standards, plans, policies?	Can the impacts be mitigated?	Partly	Justification f	or ranking	
	Do the operations comply with	Yes		-	
		Water Impacts: Impacts from the use of surfa	ace or groundwa	ter.	

Potential impacts Water used for exploration not available for ecological, stock, domestic or irrigation purposes. Surface runoff can be sediment laden. Generally minimal surface water use (must be licensed or use of farm dams through landholder agreements). No use of groundwater but potential loss through produced water in drilling / deep excavation operations. Interception, cross contamination and/or depressurisation of groundwater systems in drilling operations. Groundwater depressurisation effects on surface water. Mobilisation of pollutants (such as hydrocarbons) in surface water or aquifers. SURFACE water The nearest water source to the planned drilling area is a dam in the next paddock, about 1100m away. **GROUND** water There are no known groundwater sources within the area of the planned activity. Should ground water be encountered, there will be no permanent impact. A temporary effect may be some water will be pushed to the surface by the drilling air pressure, where it will be controlled by the methods outlined earlier. **Proposed management controls** Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with Exploration Code of Practice: Environmental Management as per the commitment in the application (APO). Relevant requirements of this Code include: a. Activities must implement all measures to prevent causing any adverse impacts on water quality or quantity. b. Activities must not cause adverse impacts to livestock (including any adverse impacts on surface water supplies used by livestock). Water used for access track watering must be obtained from licensed source or farm dams (with consent of owner). Boreholes to be constructed, operated and decommissioned in accordance with authority/title conditions, Departmental Guidelines and Codes of Practice to protect groundwater/aquifers. SURFACE water Management surface water: No water is required for RC drilling. If diamond drilling is used, it is proposed that in-ground water sumps will be used, and sludge removed by bobcat/excavator once dry, and transported by contracted truck to an EPA approved disposal facility. Water will be sourced from stand pipes where the local council has confirmed water is available, or from local landholders by agreement. All drilling is planned at least 50m from any farm dam or permanent creek. **GROUND** water Management Ground water: For diamond drilling., it is proposed that in-ground water sumps will be used for water storage, filled by water cart and sludge/cuttings removed by contractor machinery. Non-toxic and biodegradable drilling muds will be used. RC drilling does not require water for drilling purposes. If water is encountered, it will be captured from the outside return hose and cyclone in a turkey's nest to settle sediment, and then directed into geofabric/coir logs/hay bails etc. A secondary sediment dam/bund can be installed around the first should that be inadequate. If enough water make occurs to require a small sump, this can be accommodated, and can be pumped or syphoned away from the work area once the water is sufficiently clear. If the volume of water intersected required greater settling time than could be achieved using a single sump, a second (or more) sump(s) could be setup in series. Duration Short term Application ranking What is the confidence in Are further High predicting impacts? studies required on impacts or mitigation? How resilient is the environment to High Resilience What is the Medium cope with impacts? level of public

Achilles | APO0001773 6

concern?

Can the impacts be reversed?	Yes	Ranking of potential	Low
Can the impacts be mitigated?	Fully	significance Justification f	or ranking
Do the operations comply with standards, plans, policies?	Yes	oustineation i	orranking
Criteria	Water Impacts: Impacts from storage of water	er	
Potential impacts	Negligible and only localised impacts from storage of water. Water used for exploration temporarily not available for ecological, stock, domestic or irrigatic purposes. Generally minimal redirection of flow and changes to flow rates and volumes of a waterbody.		
	Surface runoff can be sediment laden. Generally minimal surface water use (must be licensed or use of farm dams through landholder agreements).		
	No use of groundwater but potential loss through produced water in drilling / deep excavation operations. SURFACE water The nearest water source to the planned drilling area is a dam in the next paddock, about 1100m away.		vater in drilling / deep excavation
			m in the next paddock, about 1100m
GROUND water There are no known groundwater sources within the area of the planned activity. Should ground water be encountered, there will be no permanent impact. A temporal some water will be pushed to the surface by the drilling air pressure, where it will be the methods outlined earlier.		nent impact. A temporary effect may be	

Proposed management controls Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with the Exploration Code of Practice: Environmental Management as per the commitment in the application (APO). Relevant requirements of this Code include: a. Activities must implement all measures to prevent causing any adverse impacts on water quality or quantity. b. Activities must not cause adverse impacts to livestock (including any adverse impacts on surface water supplies used by livestock). All management and storage of produced water must comply with the title conditions. In addition, the Exploration Code of Practice: Produced Water Management, Storage and Transfer applies to i. petroleum exploration which requires the management of produced water, or ii. activities which require produced water to be stored on site (excluding the management of incidental groundwater mixed with drilling fluids that can be temporarily contained in drilling sumps or above ground tanks). Any impacts subject to compensation and landholder access arrangements (e.g. any impacts on land use from storage or water). Management surface water: No water is required for RC drilling. If diamond drilling is used, it is proposed that in-ground water sumps will be used, and sludge removed by bobcat/excavator once dry, and transported by contracted truck to an EPA approved disposal facility. Water will be sourced from stand pipes where the local council has confirmed water is available, or from local landholders by agreement. All drilling is planned at least 50m from any farm dam or permanent creek. **GROUND** water Management Ground water: For diamond drilling., it is proposed that in-ground water sumps will be used for water storage, filled by water cart and sludge/cuttings removed by contractor machinery. Non-toxic and biodegradable drilling muds will be used. RC drilling does not require water for drilling purposes. If water is encountered, it will be captured from the outside return hose and cyclone in a turkey's nest to settle sediment, and then directed into geofabric/coir logs/hay bails etc. A secondary sediment dam/bund can be installed around the first should that be inadequate. If enough water make occurs to require a small sump, this can be accommodated, and can be pumped or syphoned away from the work area once the water is sufficiently clear. If the volume of water intersected required greater settling time than could be achieved using a single sump, a second (or more) sump(s) could be setup in series. Duration Short term **Application ranking** What is the confidence in Are further High predicting impacts? studies required on impacts or mitigation? How resilient is the environment to High Resilience What is the Low cope with impacts? level of public concern? Can the impacts be reversed? Yes Ranking of Low potential significance Can the impacts be mitigated? Justification for ranking Fully Do the operations comply with standards, plans, policies? Criteria Water Impacts: Impacts from changes to natural water bodies, wetlands or runoff patterns.

Potential impacts Negligible and only localised changes to surface flows rates and volumes.

Surface runoff can be sediment laden.

Generally minimal surface water use (must be licensed or use of farm dams through landholder agreements).

Interception, cross contamination and/or depressurisation of groundwater systems in drilling operations. Groundwater depressurisation effects on surface water.\ SURFACE water

The nearest water source to the planned drilling area is a dam in the next paddock, about 1100m awav.

Achilles | APO0001773 8

Proposed management controls Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with Exploration Code of Practice: Environmental Management as per the commitment in the application (APO). Relevant requirements of this Code include: a. Activities must implement all measures to prevent causing any adverse impacts on water quality or quantity. b. All sediment and erosion controls (including drainage from roads/access tracks) to be managed in accordance with Blue Book. c. Existing access tracks to be used/upgraded wherever possible. All management and storage of produced water must comply with the title conditions. In addition, the Exploration Code of Practice: Produced Water Management, Storage and Transfer applies to i. petroleum exploration which requires the management of produced water, or ii. activities which require produced water to be stored on site (excluding the management of incidental groundwater mixed with drilling fluids that can be temporarily contained in drilling sumps or above ground tanks). SURFACE water Management surface water: No water is required for RC drilling. If diamond drilling is used, it is proposed that in-ground water sumps will be used, and sludge removed by bobcat/excavator once dry, and transported by contracted truck to an EPA approved disposal facility. Water will be sourced from stand pipes where the local council has confirmed water is available, or from local landholders by agreement. All drilling is planned at least 50m from any farm dam or permanent creek. **GROUND** water Management Ground water: For diamond drilling., it is proposed that in-ground water sumps will be used for water storage, filled by water cart and sludge/cuttings removed by contractor machinery. Non-toxic and biodegradable drilling muds will be used. RC drilling does not require water for drilling purposes. If water is encountered, it will be captured from the outside return hose and cyclone in a turkey's nest to settle sediment, and then directed into geofabric/coir logs/hay bails etc. A secondary sediment dam/bund can be installed around the first should that be inadequate. If enough water make occurs to require a small sump, this can be accommodated, and can be pumped or syphoned away from the work area once the water is sufficiently clear. If the volume of water intersected required greater settling time than could be achieved using a single sump, a second (or more) sump(s) could be setup in series. Duration Short term Application ranking What is the confidence in Are further High predicting impacts? studies required on impacts or mitigation? How resilient is the environment to High Resilience What is the Low cope with impacts? level of public concern? Can the impacts be reversed? Yes Ranking of Low potential significance Can the impacts be mitigated? Justification for ranking Fully Do the operations comply with standards, plans, policies? Criteria Water Impacts: Impacts from aquifer interference, including changes to inter-aquifer connectivity. Potential impacts No use of groundwater but potential loss through produced water in drilling / deep excavation operations.

Interception, cross contamination and/or depressurisation of groundwater systems in drilling operations. Groundwater depressurisation effects on surface water.

Mobilisation of pollutants (such as hydrocarbons) in surface water or aquifers.

GROUND water

There are no known groundwater sources within the area of the planned activity. Should ground water be encountered, there will be no permanent impact. A temporary effect may be some water will be pushed to the surface by the drilling air pressure, where it will be controlled by the methods outlined earlier.

Proposed management controls Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Activities must implement all measures to prevent causing any adverse impacts on water quality or quantity. b. Activities must minimise cross connection of aquifers or groundwater sources. c. Activities must minimise any depressurisation of aquifers or groundwater sources. d. Coal and petroleum title holders must prepare and implement and Groundwater Monitoring & Modelling Plan in consultation with NSW Office of Water. Boreholes to be constructed, operated and decommissioned in accordance with authority/title conditions, Departmental Guidelines and Codes of Practice to protect groundwater/aquifers. **GROUND** water Management Ground water: For diamond drilling., it is proposed that in-ground water sumps will be used for water storage, filled by water cart and sludge/cuttings removed by contractor machinery. Non-toxic and biodegradable drilling muds will be used. RC drilling does not require water for drilling purposes. If water is encountered, it will be captured from the outside return hose and cyclone in a turkey's nest to settle sediment, and then directed into geofabric/coir logs/hay bails etc. A secondary sediment dam/bund can be installed around the first should that be inadequate. If enough water make occurs to require a small sump, this can be accommodated, and can be pumped or syphoned away from the work area once the water is sufficiently clear. If the volume of water intersected required greater settling time than could be achieved using a single sump, a second (or more) sump(s) could be setup in series. Duration Short term **Application ranking** What is the confidence in Are further High predicting impacts? studies required on impacts or mitigation? How resilient is the environment to High Resilience What is the cope with impacts? level of public concern? Can the impacts be reversed? Yes Ranking of Low potential significance Can the impacts be mitigated? Fully Justification for ranking Do the operations comply with Yes standards, plans, policies? Criteria Water Impacts: Impacts from changes to flooding or tidal regimes. Negligible and only localised changes to drainage flows/flooding regime. **Potential impacts** Surface runoff can be sediment laden. SURFACE water The nearest water source to the planned drilling area is a dam in the next paddock, about 1100m away.

Proposed management controls	Activities must comply with CEA Location Re	estrictions, Impac	et Thresholds and Criteria.
	Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Activities must implement all measures to prevent causing any adverse impacts on water quality or quantity. b. All sediment and erosion controls (including drainage from roads/access tracks) to be managed in accordance with Blue Book. c. Existing access tracks to be used/upgraded wherever possible. All management and storage of produced water must comply with the title conditions. In addition, the Exploration Code of Practice: Produced Water Management, Storage and Transfer applies to i. petroleum exploration which requires the management of produced water, or ii. activities which require produced water to be stored on site (excluding the management of incidental groundwater mixed with drilling fluids that can be temporarily contained in drilling sumps or above ground tanks).		
	Management surface water: No water is required for RC drilling. If diamond drilling is used, it is proposed that in-ground water sumps will be used, and sludge removed by bobcat/excavator once dry, and transported by contracted truck to an EPA approved disposal facility. Water will be sourced from stand pipes where the local council has confirmed water is available, or from local landholders by agreement. All drilling is planned at least 50m from any farm dam or permanent creek.		
Duration	Short term		
Application ranking			
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?	Medium
Can the impacts be reversed?	Yes	Ranking of potential significance	Low
Can the impacts be mitigated?	Fully		or ranking
Can the impacts be mitigated? Do the operations comply with standards, plans, policies?	Fully Yes		or ranking

Potential impacts Water used for exploration temporarily not available for ecological, stock, domestic or irrigation purposes. Surface runoff can be sediment laden from areas where vegetation has been removed. Generally minimal surface water use (must be licensed or use of farm dams through landholder agreements). No use of groundwater but potential loss through produced water in drilling / deep excavation operations. Interception, cross contamination and/or depressurisation of groundwater systems in drilling operations. Groundwater depressurisation effects on surface water. Mobilisation of pollutants (such as hydrocarbons) in surface water or aquifers. Ford across creeks can cause stream bank erosion from vehicle wash. Inappropriate disposal of drilling wastes / overflow from drilling sumps. **GROUND** water Management Ground water: For diamond drilling., it is proposed that in-ground water sumps will be used for water storage, filled by water cart and sludge/cuttings removed by contractor machinery. Non-toxic and biodegradable drilling muds will be used. RC drilling does not require water for drilling purposes. If water is encountered, it will be captured from the outside return hose and cyclone in a turkey's nest to settle sediment, and then directed into geofabric/coir logs/hay bails etc. A secondary sediment dam/bund can be installed around the first should that be inadequate. If enough water make occurs to require a small sump, this can be accommodated, and can be pumped or syphoned away from the work area once the water is sufficiently clear. If the volume of water intersected required greater settling time than could be achieved using a single sump, a second (or more) sump(s) could be setup in series. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. **Proposed management controls** Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Activities must implement all measures to prevent causing any adverse impacts on water quality or quantity. b. Activities must minimise cross connection of aquifers or groundwater sources. c. Activities must minimise any depressurisation of aquifers or groundwater sources. d. Coal and petroleum title holders must prepare and implement and Groundwater Monitoring & Modelling Plan in consultation with NSW Office of Water. e. All sediment and erosion controls to be in accordance with Blue Book to minimise off-site impacts. **GROUND** water Management Ground water: For diamond drilling., it is proposed that in-ground water sumps will be used for water storage, filled by water cart and sludge/cuttings removed by contractor machinery. Non-toxic and biodegradable drilling muds will be used. RC drilling does not require water for drilling purposes. If water is encountered, it will be captured from the outside return hose and cyclone in a turkey's nest to settle sediment, and then directed into geofabric/coir logs/hay bails etc. A secondary sediment dam/bund can be installed around the first should that be inadequate. If enough water make occurs to require a small sump, this can be accommodated, and can be pumped or syphoned away from the work area once the water is sufficiently clear. If the volume of water intersected required greater settling time than could be achieved using a single sump, a second (or more) sump(s) could be setup in series. Duration Short term **Application ranking** What is the confidence in High Are further No predicting impacts? studies

Achilles | APO0001773

required on impacts or mitigation?

How resilient is the environment to cope with impacts?	High Resilience	What is the level of public	Low
		concern?	
Can the impacts be reversed?	Yes	Ranking of	Low
		potential significance	
Can the impacts be mitigated?	Fully	Justification f	or ranking
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Soil & Stability Impacts: Degradation of soil (acidification).	. , ,	·
Potential impacts	Soil erosion and sediment laden runoff from disturbed areas / areas where vegetation has been removed.		
	Mobilisation of pollutants (such as hydrocart	oons) in soils.	
	Inappropriate disposal of drilling wastes / over	erflow from drillin	g sumps.
	Exposure of acid sulfate soils.		
	Soil compaction from construction/operation		
	Impacts on land with high agricultural capab	ility.	
	SOIL/TOPO The soils within the farm on which the planned drilling will occur, are classified as having "extremely severe limitations" on hilly (grazing) areas and "moderate limitations" on flat (cropping) areas. There are no acid sulfate soil zones in the area. Topography of the area comprises a few low hills, with flats between the hills. All drilling is planned to take place on the flatter areas. Vegetation cover is sparse and of poor quality. It comprises Cyprus pines, acacias and some eucalypts, in clumps separated by rocky clearings with grasses and patches of smaller shrubs.		
Proposed management controls	Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Minimising vegetation clearing and surface disturbance. b. Prevent causing any land degradation or pollution/contamination of land or water. b. All sediment and erosion controls (including drainage from roads/access tracks) to be managed in accordance with Blue Book. c. Existing access tracks to be used/upgraded wherever possible. d. Controls on sumps and management of chemicals to significantly reduce risk to soils. All management and storage of produced water must comply with the title conditions. In addition, the Exploration Code of Practice: Produced Water Management, Storage and Transfer applies to i. petroleum exploration which requires the management of produced water, or ii. activities which require produced water to be stored on site (excluding the management of incidental groundwater mixed with drilling fluids that can be temporarily contained in drilling sumps or above ground tanks). All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any		
Duration	boreholes). Short term		
Application ranking			
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?	Low
Can the impacts be reversed?	Yes	Ranking of potential significance	Low
Can the impacts be mitigated?	Fully	Justification f	or ranking
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Soil & Stability Impacts: Impacts on land with	n high agricultura	ıl capability.

Potential impacts	Areas used for exploration activities, access tracks, etc temporarily not available for agricultural production.		
	Temporary loss of use of land.		
	Mobilisation of pollutants (such as hydrocarb	ons) in soils, air	or waters.
	Inappropriate disposal of drilling wastes / over	erflow from drillin	g sumps.
	Use of pesticides, herbicides, fertilisers or ot the environment, including in soils and water		ave the potential to build up residues in
	Short term noise, air quality and visual impac	ots.	
	Soil erosion and sediment laden runoff from contamination or land degradation.	disturbed areas,	that could lead to soil or water
	Exposure of acid sulfate soils.		
	Spread of weeds, pest animals and animal/p	lant diseases.	
	Disruption to agricultural / livestock operation	ns.	
	SOIL The soils within the farm on which the planne severe limitations" on hilly (grazing) areas ar		
	LANDUSE The planned drilling will take place on a farm, where cropping and grazing are both practiced. The planned drill sites will not affect cropping areas. Where grazing animals are fenced within the area where drilling occurs, there will be no impact on the animals as they will be able to move to other parts of the paddock for feeding. All drilling muds, oils and other materials will be secured within the support vehicles during the night so that animals cannot access them. Is Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include minimising potential impacts on the environment (including livestock protection, control of weeds, pest animals, diseases, etc - and use of above-ground sumps required on BSAL. Impacts limited to activity site and subject to compensation and landholder access arrangements. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any		
Proposed management controls			
Duration	boreholes). Short term		
Application ranking What is the confidence in	High	Are further	No
predicting impacts?	riigii	studies required on impacts or mitigation?	NO
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?	Low
Can the impacts be reversed?	Yes	Ranking of potential significance	Low
Can the impacts be mitigated?	Fully	Justification for	or ranking
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Soil & Stability Impacts: Loss of soil from wir	d or water erosion	on.
Potential impacts	Increased risk of erosion where vegetation h	as been remove	d.
	Potential erosion of disturbed areas. SOIL/TOPO The soils within the farm on which the planned drilling will occur, are classified as having "extresevere limitations" on hilly (grazing) areas and "moderate limitations" on flat (cropping) areas. There are no acid sulfate soil zones in the area. Topography of the area comprises a few low hills, with flats between the hills. All drilling is plant to take place on the flatter areas. Vegetation cover is sparse and of poor quality. It comprises Cyprus pines, acacias and some eucalypts, in clumps separated by rocky clearings with grasses and patches of smaller shrubs.		
			Cyprus pines, acacias and some

Proposed management controls	Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Minimising vegetation clearing and surface disturbance. b. Prevent causing any land degradation or pollution/contamination of land or water. c. All sediment and erosion controls (including drainage from roads/access tracks) to be managed in accordance with Blue Book. d. Existing access tracks to be used/upgraded wherever possible. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any boreholes).		
Duration	Short term		
Application ranking			
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No
How resilient is the environment to	High Resilience	What is the	Low
cope with impacts?	Tight tesilienes	level of public concern?	
Can the impacts be reversed?	Yes	Ranking of potential significance	Low
Can the impacts be mitigated?	Fully	Justification f	or ranking
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Soil & Stability Impacts: Loss of structural in	tearity of the soil	
Potential impacts	Soil compaction from access traffic, use of p	lant and machine	ery.
	Soil erosion from disturbed areas / areas wh	ere vegetation h	as been removed.
	Mobilisation of pollutants (such as hydrocarbons) in soils. SOIL/TOPO The soils within the farm on which the planned drilling will occur, are classified as having "severe limitations" on hilly (grazing) areas and "moderate limitations" on flat (cropping) are There are no acid sulfate soil zones in the area. Topography of the area comprises a few low hills, with flats between the hills. All drilling is to take place on the flatter areas. Vegetation cover is sparse and of poor quality. It comprises Cyprus pines, acacias and so eucalypts, in clumps separated by rocky clearings with grasses and patches of smaller shi		
Proposed management controls	Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Minimising vegetation clearing and surface disturbance. b. Prevent causing any land degradation or pollution/contamination of land or water. b. All sediment and erosion controls (including drainage from roads/access tracks) to be managed in accordance with Blue Book. c. Existing access tracks to be used/upgraded wherever possible. d. Controls on sumps and management of chemicals to significantly reduce risk to soils. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any boreholes). Deep ripping of any access tracks which need to be rehabilitated can remediate compaction impacts. Impact generally limited due to low traffic numbers and short term nature of exploration.		
Duration	Short term		
Application ranking			
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No
How resilient is the environment to	High Resilience	What is the	Low
cope with impacts?	Trigit i Nesilletice	level of public	Low
Can the impacts be reversed?	Yes	concern? Ranking of potential	Low
		significance	
Can the impacts be mitigated?	Fully	Justification f	or ranking
Do the operations comply with	Yes		
standards, plans, policies? Criteria	Soil & Stability Impacts: Increased land insta	 ability with high ris	sks from land slides or subsidence.

Minimal potential impacts.			
Soil erosion from disturbed areas / areas wh	ere vegetation ha	as been removed.	
Negligible impacts from induced seismicity or ground movements associated with the activity, extraction of groundwater, etc.			
SOIL/TOPO The soils within the farm on which the planned drilling will occur, are classified as having "extremely severe limitations" on hilly (grazing) areas and "moderate limitations" on flat (cropping) areas. There are no acid sulfate soil zones in the area. Topography of the area comprises a few low hills, with flats between the hills. All drilling is planned to take place on the flatter areas. Vegetation cover is sparse and of poor quality. It comprises Cyprus pines, acacias and some eucalypts, in clumps separated by rocky clearings with grasses and patches of smaller shrubs.			
Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Minimising vegetation clearing and surface disturbance. b. Prevent causing any land degradation or pollution/contamination of land or water. c. All sediment and erosion controls (including drainage from roads/access tracks) to be managed in accordance with Blue Book (includes controls to manage instability risks). d. Existing access tracks to be used/upgraded wherever possible. e. Controls on sumps and management of chemicals to significantly reduce risk to soils. All disturbed areas to be rehabilitation to occur as soon as practicable after completion of activity (including			
Short term			
High	Are further studies required on impacts or	No	
High Resilience	level of public	Low	
Yes	potential	Low	
Fully		or ranking	
Yes	- Cuotinoution I	or running	
Noise & Vibration Impacts: Results in increase	sed noise or vibra	ation.	
Noise from vehicles, plant and machinery results in unacceptable impacts on nearby sensitive receivers, such as residences, educational establishments, medical facilities, places of worsh animal boarding/training establishments, intensive livestock agriculture, etc. Percussion drilling can have localised vibration impacts.		nedical facilities, places of worship,	
Drilling unlikely to cause vibration impacts .			
·	,		
Vibroseis machinery has vibration impacts which may impact vibration sensitive sites. TIMING/NOISE 7 days per week 12 hours per day PC drilling 24 hours pessible for Diamond drilling			
1/6/2024 -9/4/2029			
polygon boundary. A toolbox meeting for first half hour prior to operation will also take place. Work will need to be carried out during these operational hours on weekends and public holidays to maintain the in of the drill hole, prevent caving of the drill hole and prevent potential abandonment of the drill These hours of operation have been agreed to by the landholders and will continue to be discount the landholders throughout the program.		o take place. Work will need to be public holidays to maintain the integrity otential abandonment of the drill hole.	
	Soil erosion from disturbed areas / areas who Negligible impacts from induced seismicity of extraction of groundwater, etc. SOIL/TOPO The soils within the farm on which the plannesevere limitations" on hilly (grazing) areas at There are no acid sulfate soil zones in the at Topography of the area comprises a few low to take place on the flatter areas. Vegetation cover is sparse and of poor quali eucalypts, in clumps separated by rocky cleated accomply with (Exploration Code of Pract commitment in the application (APO). Relev vegetation clearing and surface disturbance. pollution/contamination of land or water. from roads/access tracks) to be managed in manage instability risks). d. Existing access. Controls on sumps and management of chedisturbed areas to be rehabilitated in accord. Rehabilitation). Rehabilitation to occur as so sealing of any boreholes). Short term High High Resilience Yes Noise & Vibration Impacts: Results in increation of the control of the c	Soil erosion from disturbed areas / areas where vegetation have described in the planned drilling will occurred to the soils within the farm on which the planned drilling will occurred imitations" on hilly (grazing) areas and "moderate lim There are no acid sulfate soil zones in the area. Topography of the area comprises a few low hills, with flats be to take place on the flatter areas. Vegetation cover is sparse and of poor quality. It comprises of eucalypts, in clumps separated by rocky clearings with grass. Activities must comply with CEA Location Restrictions, Impact must comply with (Exploration Code of Practice: Environmen commitment in the application (APO). Relevant requirements vegetation clearing and surface disturbance. b. Prevent cau pollution/contamination of land or water. c. All sediments are controls on sumps and management of chemicals to signification in the surface areas to be rehabilitated in accordance with manage instability risks). d. Existing access tracks to be use Controls on sumps and management of chemicals to signification to sumps and management of chemicals to signification and provided areas to be rehabilitated in accordance with title concerns. High Resilience What is the level of public concern? Yes Ranking of public concern? Yes Ranking of potential significance. Fully Justification Impacts: Results in increased noise or vibr. Noise & Vibration Impacts: Results in increased noise or vibr. Noise from vehicles, plant and machinery results in unaccept receivers, such as residences, educational establishments, nanimal boarding/training establishments, intensive livestock and public concern? Shots have vibration and overpressure impacts which may impact Illing unlikely to cause vibration impacts which may impact in public concerns are sidences, educational establishments, nanimal boarding/training establishments, intensive livestock and the drill hole prevent points and the drill hole, prevent caving of the drill hole and prevent polygon boundary. A toolbox meeting these	

Proposed management controls Duration	Activities must comply with CEA Location Remust comply with (Exploration Code of Praccommitment in the application (APO). Releving Implementing all practicable measures to eneceivers. b. Notifying potentially affected I c. Compliance with Interim Construction Noi agreements. d. Ground vibration threshold residence/sensitive receiver. e. Ground vib Aboriginal / European heritage significance machinery not to be used within 200m of seleritage significance or any cliff line greater vicinity of exploration activity.	tice: Environmenty ant requirements is ure noise levels and holders at lease Guidelines an se limited to 5 mm oration thresholds or cliff line greate insitive receivers,	tal Management) as per the s of this Code include: a. s meet acceptable criteria for sensitive ast 24hrs prior to detonating explosives. d/or EPL and/or landholder h/s (peak particle velocity) at any is limited to 3 mm/s for any item of than 4m in height. f. Vibrating item/place of Aboriginal / European
Application ranking	Litale	A wa formation w	I NI=
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No
How resilient is the environment to	High Resilience	What is the	Medium
cope with impacts?		level of	
		public	
		concern?	
Can the impacts be reversed?	Yes	Ranking of potential	Low
Can the impacts he mitirated?	Fully	significance	les repline
Can the impacts be mitigated? Do the operations comply with	Fully Yes	Justification f	OI TATIKITY
standards, plans, policies?	165		
Criteria	Noise & Vibration Impacts: Affects sensitive	recentors	
Potential impacts	·	<u> </u>	11.
Proposed management controls	Noise from vehicles, plant and machinery results in unacceptable impacts on nearby sensitive receivers, such as residences, educational establishments, medical facilities, places of worship, animal boarding/training establishments, intensive livestock agriculture, etc. Percussion drilling can have localised vibration impacts. Drilling unlikely to cause vibration impacts. Shots have vibration and overpressure impacts which may impact vibration sensitive sites. Vibroseis machinery has vibration impacts which may impact vibration sensitive sites. TIMING/NOISE 7 days per week, 12 hours per day RC drilling, 24 hours possible for Diamond drilling 1/6/2024 -9/4/2029 The nearest habited sensitive receiver is a homestead located approximately 4km from the drill polygon boundary. A toolbox meeting for first half hour prior to operation will also take place. Work will need to be carried out during these operational hours on weekends and public holidays to maintain the integrity of the drill hole, prevent caving of the drill hole and prevent potential abandonment of the drill hole. These hours of operation have been agreed to by the landholders and will continue to be discussed with the landholders throughout the program. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities		
Duration Application ranking What is the confidence in	must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Implementing all practicable measures to ensure noise levels meet acceptable criteria for sensitive receivers. b. Notifying potentially affected landholders at least 24hrs prior to detonating explosives. c. Compliance with Interim Construction Noise Guidelines and/or EPL and/or landholder agreements. d. Ground vibration thresholds limited to 5 mm/s (peak particle velocity) at any residence/sensitive receiver. e. Ground vibration thresholds limited to 3 mm/s for any item of Aboriginal / European heritage significance or cliff line greater than 4m in height. f. Vibrating machinery not to be used within 200m of sensitive receivers, item/place of Aboriginal / European heritage significance or any cliff line greater than 4m in height. Impacts limited to immediate vicinity of exploration activity. Short term Are further No		
predicting impacts?		studies	
,		required on impacts or mitigation?	

How resilient is the environment to cope with impacts?	High Resilience	What is the level of	Medium		
		public			
Can the impacts be reversed?	Yes	concern? Ranking of	Low		
can all impacts so foreits a		potential significance	25"		
Can the impacts be mitigated?	Fully	Justification f	or ranking		
Do the operations comply with standards, plans, policies?	Yes				
Criteria	Coastal Location & Processes: Affects coastal processes and coastal hazards, including those under projected climate change conditions.				
Potential impacts	Activities along the coastline / floodways have the potential to exacerbate coastal erosion (rising sea levels and increased storm activity under projected climate change conditions could result in increased erosion along the coastline / floodways).				
Proposed management controls	Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Activities must implement all measures to prevent causing any adverse impacts on water quality or quantity. b. All sediment and erosion controls (including drainage from roads/access tracks) to be managed in accordance with Blue Book. CO2 emissions from activities are extremely limited and inconsequential in context of global emissions and impact. Restrictions on use of ozone depleting substances in NSW also limits ozone depletion. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to				
Duration	occur as soon as practicable after completio	IT OF ACTIVITY (ITICIL	dulig sealing of any boreholes).		
Application ranking	- C.S.C.CO.III				
What is the confidence in	High	Are further	No		
predicting impacts?		studies required on impacts or mitigation?			
How resilient is the environment to	High Resilience	What is the	N/A		
cope with impacts?		level of public			
Can the impacts be reversed?	Yes	concern? Ranking of	Low		
Can the impacts be reversed?	res	potential significance	Low		
Can the impacts be mitigated?	Fully	Justification f	or ranking		
Do the operations comply with	Yes		-		
standards, plans, policies? Criteria	Hazardous substances or chemicals: Impacts associated with the use, generation, storage or				
			transport of hazardous substances or chemicals.		
Detential impacts	transport of hazardous substances or chemi-	cals.	or waters		
Potential impacts	transport of hazardous substances or chemi- Mobilisation of pollutants (such as hydrocart	cals. oons) in air, soils			
Potential impacts	transport of hazardous substances or chemi- Mobilisation of pollutants (such as hydrocart- Inappropriate disposal of drilling wastes / over Use of pesticides, herbicides, fertilisers or ot the environment, including in soils and water CHEMICAL All drilling chemicals will be stored in a trailer a lawful waste facility or recycling centre and relevant Exploration Codes of Practice.	cals. cons) in air, soils erflow from drillin ther chemicals have r and/or bunded a d will be handled	g sumps. ave the potential to build up residues in area. Empty containers will be taken to and disposed of in accordance with the		
Proposed management controls	transport of hazardous substances or chemical Mobilisation of pollutants (such as hydrocarbe Inappropriate disposal of drilling wastes / own Use of pesticides, herbicides, fertilisers or ot the environment, including in soils and water CHEMICAL All drilling chemicals will be stored in a trailer a lawful waste facility or recycling centre and relevant Exploration Codes of Practice. Activities must comply with CEA Location Remust comply with (Exploration Code of Practice commitment in the application (APO). Relevantamination of the environment by the relepreventing any land degradation or pollution sumps and management of chemicals to sig pesticides, herbicides, fertilisers or other chewastes+A34 (including any drilling by-produlawfully. All management and storage of In addition, the Exploration Code of Practice applies to i. petroleum exploration which reactivities which require produced water to be groundwater mixed with drilling fluids that ca ground tanks). All disturbed areas to be (Exploration Code of Practice: Rehabilitation	cals. cons) in air, soils erflow from drillin ther chemicals have r and/or bunded a drillin estrictions, Impactice: Environment rant requirements ease of chemicals /contamination o nificantly reduce enticals must com cts) to be collector produced water : Produced Water equires the mana e stored on site (en be temporarily rehabilitated in air	ave the potential to build up residues in area. Empty containers will be taken to and disposed of in accordance with the at Thresholds and Criteria. Activities tal Management) as per the sof this Code include: a. Preventing soft this Code include: a. Preventing soft to environment. d. Use of a risk to environment. d. Use of apply with legislative requirements. e. ted, segregated and disposed of must comply with the title conditions. The Management, Storage and Transfer agement of produced water, or ii. excluding the management of incidental contained in drilling sumps or above accordance with title conditions.		
·	transport of hazardous substances or chemic Mobilisation of pollutants (such as hydrocarby Inappropriate disposal of drilling wastes / over Use of pesticides, herbicides, fertilisers or of the environment, including in soils and water CHEMICAL All drilling chemicals will be stored in a trailer a lawful waste facility or recycling centre and relevant Exploration Codes of Practice. Activities must comply with CEA Location Remust comply with (Exploration Code of Practice commitment in the application (APO). Relevant Exploration of the environment by the relepreventing any land degradation or pollution sumps and management of chemicals to sigpesticides, herbicides, fertilisers or other chewastes+A34 (including any drilling by-produlawfully. All management and storage of In addition, the Exploration Code of Practice applies to i. petroleum exploration which reactivities which require produced water to be groundwater mixed with drilling fluids that calling ground tanks). All disturbed areas to be	cals. cons) in air, soils erflow from drillin ther chemicals have r and/or bunded a drillin estrictions, Impactice: Environment rant requirements ease of chemicals /contamination o nificantly reduce enticals must com cts) to be collector produced water : Produced Water equires the mana e stored on site (en be temporarily rehabilitated in air	ave the potential to build up residues in area. Empty containers will be taken to and disposed of in accordance with the at Thresholds and Criteria. Activities tal Management) as per the sof this Code include: a. Preventing soft this Code include: a. Preventing soft to environment. d. Use of a risk to environment. Storage and Transfer agement of produced water, or ii. Excluding the management of incidental contained in drilling sumps or above accordance with title conditions.		

What is the confidence in	High	Are further	No
predicting impacts?	High	studies	No
predicting impacts:		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	High Resilience	What is the	Low
cope with impacts?		level of	
		public	
Can the impacts be reversed?	Yes	concern? Ranking of	Low
out the impacts be reversed:	163	potential	LOW
		significance	
Can the impacts be mitigated?	Fully	Justification f	or ranking
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Wastes & Emissions: Impacts to the environ wastes.	ment resulting fro	om the generation or disposal of
Potential impacts	Mobilisation of pollutants (such as hydrocart	ons) in soils, air	or waters. Inappropriate disposal of
· 	drilling wastes / overflow from drilling sumps operations or the operation of flares. Use have the potential to build up residues in the	Fugitive en e of pesticides, he environment, inc	nissions of gases or vapour from drilling erbicides, fertilisers or other chemicals cluding in soils and water.
Proposed management controls	Activities must comply with CEA Location Re	estrictions, Impac	t Thresholds and Criteria.
	Activities must comply with (Exploration Coccommitment in the application (APO). Relev	ant requirements	s of this Code include:
	 a. Preventing contamination of the environm pollutants. 	•	•
	b. Preventing any land degradation or polluti		
	c. Controls on sumps and management of cl d. Use of pesticides, herbicides, fertilisers or		
	requirements.	Other Chemicals	must comply with legislative
	e. Wastes (including any drilling by-products) to be collected,	segregated and disposed of lawfully.
	All management and storage of produced wa	ater must comply	with the title conditions. In addition
	the Exploration Code of Practice: Produced		
	i. petroleum exploration which requires the n		
	ii. activities which require produced water to be stored on site (excluding the management of incidental groundwater mixed with drilling fluids that can be temporarily contained in drilling sumps or above ground tanks).		
	All disturbed areas to be rehabilitated in acc		
	Practice: Rehabilitation). Rehabilitation to oc	cur as soon as p	racticable after completion of activity.
	WASTE RC drill cuttings will be tipped back down the		
	exploration waste to be disposed of at an EF		
	water will be removed by contracted sludge relevant Exploration Codes of Practice.	truck. All waste v	viii be nandied in accordance with the
Duration	Short torm		
Duration Application ranking	Short term		
What is the confidence in	High	Are further	No
predicting impacts?	9	studies	
		required on	
		impacts or	
	11: 1 5 3:	mitigation?	
How resilient is the environment to cope with impacts?	High Resilience	What is the level of	Low
cope with impacts?		public	
		concern?	
Can the impacts be reversed?	Yes	Ranking of	Low
-		potential	
	5.0	significance	<u> </u>
Can the impacts be mitigated?	Fully	Justification f	or ranking
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Wastes & Emissions: Impacts on drinking was	ater catchments,	wetlands, natural water bodies,
	riparian zones or flood prone areas.		

Potential impacts

Negligible and only localised changes to drainage flows/flooding regime.

Water used for exploration temporarily not available for ecological, stock, domestic or irrigation purposes.

Surface runoff can be sediment laden from areas where vegetation has been removed.

Generally minimal surface water use (must be licensed or use of farm dams through landholder agreements).

No use of groundwater but potential loss through produced water in drilling / deep excavation operations.

Interception, cross contamination and/or depressurisation of groundwater systems in drilling operations. Groundwater depressurisation effects on surface water.

Mobilisation of pollutants (such as hydrocarbons) in surface water or aquifers.

Ford across creeks can cause stream bank erosion from vehicle wash.

Inappropriate disposal of drilling wastes / overflow from drilling sumps. SURFACE water

The nearest water source to the planned drilling area is a dam in the next paddock, about 1100m away.

Proposed management controls

Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria.

Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include:

- a. Activities must implement all measures to prevent causing any adverse impacts on water quality or quantity.
- b. All sediment and erosion controls (including drainage from roads/access tracks) to be managed in accordance with Blue Book.

All management and storage of produced water must comply with the title conditions. In addition, the Exploration Code of Practice: Produced Water Management, Storage and Transfer applies to i. petroleum exploration which requires the management of produced water, or

ii. activities which require produced water to be stored on site (excluding the management of incidental groundwater mixed with drilling fluids that can be temporarily contained in drilling sumps or above ground tanks).

All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity.

SURFACE water

The nearest water source to the planned drilling area is a dam in the next paddock, about 1100m away.

Management surface water: No water is required for RC drilling. If diamond drilling is used, it is proposed that in-ground water sumps will be used, and sludge removed by bobcat/excavator once dry, and transported by contracted truck to an EPA approved disposal facility. Water will be sourced from stand pipes where the local council has confirmed water is available, or from local landholders by agreement. All drilling is planned at least 50m from any farm dam or permanent creek.

GROUND water

There are no known groundwater sources within the area of the planned activity.

Should ground water be encountered, there will be no permanent impact. A temporary effect may be some water will be pushed to the surface by the drilling air pressure, where it will be controlled by the methods outlined earlier.

Management Ground water:

For diamond drilling., it is proposed that in-ground water sumps will be used for water storage, filled by water cart and sludge/cuttings removed by contractor machinery. Non-toxic and biodegradable drilling muds will be used.

RC drilling does not require water for drilling purposes. If water is encountered, it will be captured from the outside return hose and cyclone in a turkey's nest to settle sediment, and then directed into geofabric/coir logs/hay bails etc. A secondary sediment dam/bund can be installed around the first should that be inadequate.

If enough water make occurs to require a small sump, this can be accommodated, and can be pumped or syphoned away from the work area once the water is sufficiently clear. If the volume of water intersected required greater settling time than could be achieved using a single sump, a second (or more) sump(s) could be setup in series.

Duration	Short term			
Application ranking				
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No	
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?	Medium	
Can the impacts be reversed?	Yes	Ranking of potential significance	Low	
Can the impacts be mitigated?	Fully	Justification f	or ranking	
Do the operations comply with	Yes			
standards, plans, policies? Criteria	Wastes & Emissions: Impacts on groundwat	 er recharge area	s or areas with high water table	
Potential impacts		er recriarge area	s of areas with high water table.	
	Minimal impact on recharge and salinity. No use of groundwater but potential loss through produced water in drilling / deep excavation operations. Interception, cross contamination and/or depressurisation of groundwater systems in drilling operations. Groundwater depressurisation effects on surface water.			
	Mobilisation of pollutants (such as hydrocart	oons) in surface v	vater or aquifers.	
	Inappropriate disposal of drilling wastes / over	erflow from drillin	g sumps.	
	Vegetation clearance in recharge areas can	increase salinity	<i>'</i> .	
	Acid drainage due to exposure of acid sulfate soils. GROUND water There are no known groundwater sources within the area of the planned activity. Should ground water be encountered, there will be no permanent impact. A temporary ef some water will be pushed to the surface by the drilling air pressure, where it will be cont the methods outlined earlier.			
Proposed management controls	Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria.			
	Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Activities must implement all measures to prevent causing any adverse impacts on water quality or quantity. All management and storage of produced water must comply with the title conditions. In addition, the Exploration Code of Practice: Produced Water Management, Storage and Transfer applies to i. petroleum exploration which requires the management of produced water, or ii. activities which require produced water to be stored on site (excluding the management of incidental groundwater mixed with drilling fluids that can be temporarily contained in drilling sumps or above ground tanks).			
	Boreholes to be constructed, operated and conditions, Departmental Guidelines and Coholes to be cased where aquifers intercepted	des of Practice to	o protect groundwater/aquifers. Drill	
	GROUND water			
	Management Ground water: For diamond drilling., it is proposed that in-giby water cart and sludge/cuttings removed by drilling muds will be used. RC drilling does not require water for drilling from the outside return hose and cyclone in geofabric/coir logs/hay bails etc. A secondar should that be inadequate. If enough water make occurs to require a smupumped or syphoned away from the work ar water intersected required greater settling tir second (or more) sump(s) could be setup in	y contractor made purposes. If wate a turkey's nest to y sediment dam/ nall sump, this case a once the watene than could be	er is encountered, it will be captured esettle sediment, and then directed into bund can be installed around the first on be accommodated, and can be er is sufficiently clear. If the volume of	
Duration Application ranking	Short term			
· · · · · · · · · · · · · · · · · · ·	•			

What is the confidence in predicting impacts?	High	Are further studies required on	No	
		impacts or		
	11: 1 5 3:	mitigation?		
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public	Low	
		concern?		
Can the impacts be reversed?	Yes	Ranking of potential significance	Low	
Can the impacts be mitigated?	Fully	Justification f	or ranking	
Do the operations comply with	Yes	oustinoution i	or runking	
standards, plans, policies?	100			
Criteria	Wastes and Emissions: Impacts on coastline landforms.	es or dunes, alpir	ne areas, karst features or other unique	
Potential impacts	Negligible and only localised impacts on unic	que landforms.		
	Mobilisation of pollutants in soils, surface wa	ter or aquifers.		
	Short term noise, air quality and visual impar	cts.		
	Particulate emissions from plant and machin operations and the operation of flares.	ery; fugitive emis	ssions of gases or vapour from drilling	
	Soil erosion and sediment laden runoff from contamination or land degradation.	disturbed areas,	that could lead to soil or water	
	Exposure of acid sulfate soils.			
	Spread of weeds, pest animals and animal/p	olant diseases.		
	Damage to structures and sensitive features, such as unique landforms. Activities along the coastline / floodways have the potential to exacerbate coastal erosion (rising sea levels and increased storm activity under projected climate change conditions could result in increased erosion along the coastline / floodways).			
	25km NW from Lake Cargelligo			
	LANDUSE The planned drilling will take place on a farm, where cropping and grazing are both practiced. The planned drill sites will not affect cropping areas. Where grazing animals are fenced within the area where drilling occurs, there will be no impact on the animals as they will be able to move to other parts of the paddock for feeding. All drilling muds, oils and other materials will be secured within the support vehicles during the night so that animals cannot access them.			
Proposed management controls	Impact limited to activity site and subject to compensation and landholder access arrangements. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any boreholes).			
Duration	Short term	<u> </u>	,	
Application ranking				
What is the confidence in	High	Are further	No	
predicting impacts?		studies required on impacts or		
	15.1.5	mitigation?		
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public	Low	
		concern?		
Can the impacts be reversed?	Yes	Ranking of potential	Low	
		significance	<u> </u>	
Can the impacts be mitigated?	Fully	Justification f	or ranking	
Do the operations comply with standards, plans, policies?	Yes			
Criteria	Wastes & Emissions: Impacts on erosion prone areas, areas with slopes of greater than 18 degrees.			
· · · · · · · · · · · · · · · · · · ·				

Potential impacts	Minimal potential impacts.			
	Soil erosion and sediment laden runoff from disturbed areas / areas where vegetation has been removed.			
	Mobilisation of pollutants (such as hydrocarbons) in soils.			
	Riverbed / riparian zone disturbance from use of poorly constructed or maintained river crossings.			
	SOIL/TOPO			
	Topography of the area comprises a few low	hills, with flats b	etween the hills. All drilling is planned	
	to take place on the flatter areas. Vegetation cover is sparse and of poor quality. It comprises Cyprus pines, acacias and some eucalypts, in clumps separated by rocky clearings with grasses and patches of smaller shrubs.			
Proposed management controls	Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. CEA not permitted on slopes exceeding 18 degrees. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Minimising vegetation clearing and surface disturbance. b. Prevent causing any land degradation or pollution/contamination of land or water. c. All sediment and erosion controls (including drainage from roads/access tracks) to be managed in accordance with Blue Book (includes controls to manage instability risks). d. Existing access tracks to be used/upgraded wherever possible. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any boreholes).			
Duration	Short term			
Application ranking	LP I			
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No	
How resilient is the environment to	High Resilience	What is the	Low	
cope with impacts?		level of		
		public concern?		
Can the impacts be reversed?	Yes	Ranking of	Low	
		potential significance		
Can the impacts be mitigated?	Fully	Justification f	or ranking	
Do the operations comply with	Yes		-	
standards, plans, policies?	Wastes & Emissions: Impacts on subsidence	e or slip areas.		
Potential impacts	Soil erosion from disturbed areas / areas wh	<u> </u>	as been removed may increase risk of	
	slips.	3	,	
	Drilling operations unlikely to contribute to sl	ins or subsidence	2	
	SOIL/TOPO			
	The soils within the farm on which the planne severe limitations" on hilly (grazing) areas ar			
	grazing) areas ar	id moderate iiii	tations on hat (cropping) areas.	
	Topography of the area comprises a few low to take place on the flatter areas.	hills, with flats b	etween the hills. All drilling is planned	
	Vegetation cover is sparse and of poor quali	ty. It comprises (Cyprus pines, acacias and some	
	eucalypts, in clumps separated by rocky clea	arings with grass	es and patches of smaller shrubs.	
Proposed management controls	Activities must comply with CEA Location Re	estrictions, Impac	t Thresholds and Criteria. Activities	
	Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Minimising vegetation clearing and surface disturbance. b. Prevent causing any land degradation or pollution/contamination of land or water. c. All sediment and erosion controls (including drainage from roads/access tracks) to be managed in accordance with Blue Book (includes controls to manage instability risks). d. Existing access tracks to be used/upgraded wherever possible. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity.			
Duration Application replies	Short term			
Application ranking What is the confidence in	High	Are further	No	
what is the confidence in predicting impacts?	High	studies	I NO	
		required on		
		impacts or mitigation?		
	<u> </u>	inagadon:	<u> </u>	

How resilient is the environment to cope with impacts?	High Resilience	What is the level of public	Low	
		concern?		
Can the impacts be reversed?	Yes	Ranking of	Low	
, , , , , , , , , , , , , , , , , , , ,		potential significance		
Can the impacts be mitigated?	Fully	Justification f	or ranking	
Do the operations comply with standards, plans, policies?	Yes			
Criteria	Wastes & Emissions: Impacts on areas with	acid sulphate, so	odic or highly permeable soils.	
Potential impacts	Vegetation removal unlikely to exacerbate ad	cid sulfate or sod	licity issues.	
	Drilling activities unlikely to exacerbate acid sulfate or sodicity issues.			
	Soil erosion and sediment laden runoff from disturbed areas / areas where vegetation has been removed. SOIL/TOPO The soils within the farm on which the planned drilling will occur, are classified as having "extremely severe limitations" on hilly (grazing) areas and "moderate limitations" on flat (cropping) areas. There are no acid sulfate soil zones in the area.			
Proposed management controls	Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Minimising vegetation clearing and surface disturbance. b. Prevent causing any land degradation or pollution/contamination of land or water. c. All sediment and erosion controls (including drainage from roads/access tracks) to be managed in accordance with Blue Book. d. Existing access tracks to be used/upgraded wherever possible. e. Controls on sumps and management of chemicals to significantly reduce risk to soils. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity. Impacts generally limited due to low traffic numbers and short term nature of exploration.			
Duration	Short term			
Application ranking				
What is the confidence in	High	Are further	No	
predicting impacts?		studies required on impacts or		
		mitigation?		
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public	Low	
		concern?		
Can the impacts be reversed?	Yes	Ranking of	Low	
		potential significance		
Can the impacts be mitigated?	Fully	Justification f	or ranking	
Do the operations comply with	Yes	- Cuotinoution i	or running	
standards, plans, policies? Criteria	Wastes & Emissions: Impacts on areas with	salinity or notent	tial salinity problems	
Potential impacts	Activities unlikely to exacerbate salinity probl	* '	iai caminy problemo.	
	Vegetation removal may reduce vegetation of	drawdown of wat	er table.	
	Spills of saline produced water.			
	Vegetation removal unlikely to exacerbate acid sulfate or sodicity issues. Soil erosion and sediment laden runoff from disturbed areas / areas where vegetation has been removed.			
	SOIL/TOPO The soils within the farm on which the planned drilling will occur, are classified as having "extremely severe limitations" on hilly (grazing) areas and "moderate limitations" on flat (cropping) areas. There are no acid sulfate soil zones in the area.			
	GROUND water There are no known groundwater sources within the area of the planned activity.			

Proposed management controls Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Minimising vegetation clearing and surface disturbance. b. Prevent causing any land degradation or pollution/contamination of land or water. c. All sediment and erosion controls (including drainage from roads/access tracks) to be managed in accordance with Blue Book. d. Controls on sumps and management of chemicals to significantly reduce risk to soils. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity. Management Ground water: For diamond drilling., it is proposed that in-ground water sumps will be used for water storage, filled by water cart and sludge/cuttings removed by contractor machinery. Non-toxic and biodegradable drilling muds will be used RC drilling does not require water for drilling purposes. If water is encountered, it will be captured from the outside return hose and cyclone in a turkey's nest to settle sediment, and then directed into geofabric/coir logs/hay bails etc. A secondary sediment dam/bund can be installed around the first should that be inadequate. If enough water make occurs to require a small sump, this can be accommodated, and can be pumped or syphoned away from the work area once the water is sufficiently clear. If the volume of water intersected required greater settling time than could be achieved using a single sump, a second (or more) sump(s) could be setup in series. Duration Short term Application ranking What is the confidence in High Are further No predicting impacts? studies required on impacts or mitigation? How resilient is the environment to High Resilience What is the Low cope with impacts? level of public concern? Can the impacts be reversed? Ranking of Yes Low potential significance Can the impacts be mitigated? Justification for ranking Fully Do the operations comply with Yes standards, plans, policies? Criteria Wastes & Emissions: Impacts on areas with degraded or contaminated land. Potential impacts Activity unlikely to result in any change to existing contaminated soils or migration of contaminants. Soil erosion and sediment laden runoff from disturbed areas / areas where vegetation has been Mobilisation of pollutants (such as hydrocarbons) in soils. Inappropriate disposal of drilling wastes / overflow from drilling sumps. Exposure of acid sulfate soils. Soil compaction from construction / operations. Vegetation removal unlikely to have any impact on contaminated soils. LANDUSE The planned drilling will take place on a farm, where cropping and grazing are both practiced. The planned drill sites will not affect cropping areas. Where grazing animals are fenced within the area where drilling occurs, there will be no impact on the animals as they will be able to move to other parts of the paddock for feeding. All drilling muds, oils and other materials will be secured within the support vehicles during the night so that animals cannot access them. SOIL The soils within the farm on which the planned drilling will occur, are classified as having "extremely severe limitations" on hilly (grazing) areas and "moderate limitations" on flat (cropping) areas. There are no acid sulfate soil zones in the area.

Proposed management controls	Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Minimising vegetation clearing and surface disturbance. b. Prevent causing any land degradation or pollution/contamination of land or water. c. All sediment and erosion controls (including drainage from roads/access tracks) to be managed in accordance with Blue Book. d. Controls on sumps and management of chemicals to significantly reduce risk to soils. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity. Impacts generally limited due to short term nature of exploration. Activity unlikely to exacerbate any existing contamination.			
Duration	Short term			
Application ranking				
What is the confidence in predicting impacts?	High Are further studies required on impacts or mitigation?			
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?	Low	
Can the impacts be reversed?	Yes	Ranking of potential significance	Low	
Can the impacts be mitigated?	Fully	Justification f	or ranking	
Do the operations comply with standards, plans, policies?	Yes			
Criteria	Wastes & Emissions: Impacts on areas with	degraded or con	taminated water (ground or surface).	
Potential impacts	Wastes & Emissions: Impacts on areas with degraded or contaminated water (ground or surface). Activities unlikely to have any additional impacts on areas with existing degraded or contaminated water (ground or surface). Boreholes to be cased when aquifers intercepted. Surface runoff can be sediment laden from areas where vegetation has been removed. Interception, cross contamination and/or depressurisation of groundwater systems in drilling operations. Groundwater depressurisation effects on surface water. Mobilisation of pollutants (such as hydrocarbons) in surface water or aquifers. Inappropriate disposal of drilling wastes / overflow from drilling sumps. Excavations excluded from acid sulfate soils. SURFACE water The nearest water source to the planned drilling area is a dam in the next paddock, about 1100m away. There are no known groundwater sources within the area of the planned activity. Should ground water be encountered, there will be no permanent impact. A temporary effect may be some water will be pushed to the surface by the drilling air pressure, where it will be controlled by the methods outlined earlier.			

Proposed management controls

Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria.

Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include:

- a. Activities must implement all measures to prevent causing any adverse impacts on water quality or quantity.
- b. Activities must minimise cross connection of aquifers or groundwater sources.
- c. Activities must minimise any depressurisation of aquifers or groundwater sources.
- d. Coal and petroleum title holders must prepare and implement and Groundwater Monitoring & Modelling Plan in consultation with NSW Office of Water.
- e. All sediment and erosion controls to be in accordance with Blue Book to minimise off-site impacts.

Boreholes to be constructed, operated and decommissioned in accordance with authority/title conditions, Departmental Guidelines and Codes of Practice to protect groundwater/aquifers.

All management and storage of produced water must comply with the title conditions. In addition, the Exploration Code of Practice: Produced Water Management, Storage and Transfer applies to i. petroleum exploration which requires the management of produced water, or

ii. activities which require produced water to be stored on site (excluding the management of incidental groundwater mixed with drilling fluids that can be temporarily contained in drilling sumps or above ground tanks).

All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any boreholes).

Activities unlikely to exacerbate any existing surface or groundwater contamination.

SURFACE water

Management surface water: No water is required for RC drilling. If diamond drilling is used, it is proposed that in-ground water sumps will be used, and sludge removed by bobcat/excavator once dry, and transported by contracted truck to an EPA approved disposal facility. Water will be sourced from stand pipes where the local council has confirmed water is available, or from local landholders by agreement. All drilling is planned at least 50m from any farm dam or permanent creek.

GROUND water

Management Ground water:

For diamond drilling., it is proposed that in-ground water sumps will be used for water storage, filled by water cart and sludge/cuttings removed by contractor machinery. Non-toxic and biodegradable drilling muds will be used.

RC drilling does not require water for drilling purposes. If water is encountered, it will be captured from the outside return hose and cyclone in a turkey's nest to settle sediment, and then directed into geofabric/coir logs/hay bails etc. A secondary sediment dam/bund can be installed around the first should that be inadequate.

If enough water make occurs to require a small sump, this can be accommodated, and can be pumped or syphoned away from the work area once the water is sufficiently clear. If the volume of water intersected required greater settling time than could be achieved using a single sump, a second (or more) sump(s) could be setup in series.

Duration	Short term			
Application ranking				
What is the confidence in	High	Are further	No	
predicting impacts?		studies		
		required on		
		impacts or		
		mitigation?		
How resilient is the environment to	High Resilience	What is the	Low	
cope with impacts?		level of		
		public		
		concern?		
Can the impacts be reversed?	Yes	Ranking of	Low	
		potential		
		significance		
Can the impacts be mitigated?	Fully	Justification for ranking		
Do the operations comply with	Yes			
standards, plans, policies?				
Criteria	Vegetation: Any clearing or modification of vegetation (including impacts on wildlife corridors,			
	remnant vegetation & habitat for species of conservation significance).			

Potential impacts	Vegetation removal can decrease available f displace species from regular place of reside		ng/ breeding habitat for species and		
	Impacts on vegetation species and ecological	al communities.			
	Vegetation removal and activities can tempo	rarily impact wild	life corridors and remnant vegetation.		
	Areas used for exploration activities, access tracks, etc not available for fauna habitat.				
	Mobilisation of pollutants (such as hydrocarbons) in soils, air or waters can potentially impact fauna.				
	Drilling sumps can be a hazard for fauna.				
	Use of pesticides, herbicides, fertilisers or ot the environment, including in soils and water		ive the potential to build up residues in		
	Short term noise and air quality impacts.				
	Soil erosion and sediment laden runoff from contamination or land degradation.	disturbed areas,	that could lead to soil or water		
	Exposure of acid sulfate soils.				
	Spread of weeds, pest animals and animal/p	lant diseases.			
	DISTURBANCE Surface disturbance 1,500 sqm (cumulative 6500sqm) Excavation 15cbm (cumulative 105cbm) Trees will not need to be bulldozed, however some shrubs may need to be cleared for pad access, possibly by the landowner's bobcat or similar. PVC collars will be required and hand shovels/digging tools used to excavate turkeys nests to control water.				
	The planned drilling locations are not expected to require drill pad earthworks, and only minor vegetation/shrub clearing is expected to be required, hence only a small clearing disturbance is proposed.				
	ACCESS Existing farm tracks and open but un-cropped paddocks will be used for access, however some regrowth and shrubs may need to be disturbed to provide safe access for vehicles.				
Proposed management controls	Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Minimise extent of vegetation clearing and surface disturbance to as low as practicable. b. Prevent adverse impacts to fauna caused by vegetation clearing, including relocation of resident fauna. c. Access track widths unlikely to pose significant barrier to fauna. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity.				
Duration	Short term				
Application ranking					
What is the confidence in predicting impacts?	High	Are further studies required on	No		
		impacts or mitigation?			
How resilient is the environment to	High Resilience	What is the	Low		
cope with impacts?	1	level of			
		public concern?			
Can the impacts be reversed?	Yes	Ranking of potential	Low		
		significance			
Can the impacts be mitigated?	Fully	Justification for	or ranking		
Do the operations comply with standards, plans, policies?	Yes				
Criteria	Threatened Fauna Species: Any adverse eff	ect on the life cve	cle of any threatened species such that		
	a viable local population of the species is likely to be placed at risk of extinction.				

Potential impacts	No impacts.			
	CEA impact thresholds apply. An activity cannot be a CEA if it: 1. occurs on land declared as areas of outstanding biodiversity value / critical habitat, 2. has a significant effect on threatened species or ecological communites, or their habitats. NOTE: MNES report same as APO0001609 Map provided "Achilles Critical habitats/ Areas of Outstanding Biodiversity" shows areas of critical habitat in rivers (Lachlan River and Booberoi Creek), and the wetlands around the Lake Cargelligo area. The Round Hill Nature Reserve, in green, lies to the north and west. The drilling area is mapped away from any areas of critical habitat or areas of outstanding biodiversity. PROTECTED MATTERS 15.11.23 – TECs. Endangered "Mallee Bird Community of the Murray Darling Depression Bioregion" likely to occur in the area. Other TECs listed not likely and don't appear to correspond with PCTs identified in SEED. Endangered species likely to occur in the area: Major Mitchell's Cockatoo, South-eastern Hooded Robin, Australian Painted Snipe, Grey Snake. NOTE: Major Mitchell's Cockatoo Bionet species sighting approx 8km SW of proposed drilling area. Critically endangered Striated Grasswren (sandplain) may occur in the area. This species is also listed as one of the species forming the above-mentioned TEC. No other birds listed in this TEC are listed in the MNES search report. No bionet species sightings for any of the birds listed in the TEC near the drilling, however, Approx 7km N – a large number of bird species listed in the Endangered			
	TEC "Mallee Bird Community of the Murray including Endangered Malleefowl and Critica with proposed drill site specifically PCT 72, I	ally Endangered I	Red-lored whistler. PCTs consistent	
Proposed management controls	N/A			
Duration	N/A			
Application ranking				
What is the confidence in predicting impacts?	N/A	Are further studies	N/A	
		required on impacts or mitigation?		
How resilient is the environment to cope with impacts?	N/A	What is the level of public concern?	Low	
Can the impacts be reversed?	N/A	Ranking of potential significance		
Can the impacts be mitigated?	N/A	Justification f	or ranking	
Do the operations comply with	N/A			
standards, plans, policies?	There also a difference of the American American American	at an the life and	1 £ 1 1 1	
Criteria	Threatened Flora Species: Any adverse effe a viable local population of the species is like			
Potential impacts		ly. An activity ca / value or critical	nnot be a CEA if it: 1. occurs on land habitat, 2. has a significant effect on	
Proposed management controls	N/A			
Duration	N/A			
Application ranking				
What is the confidence in predicting impacts?	N/A	Are further studies required on impacts or mitigation?	N/A	
How resilient is the environment to cope with impacts?	N/A	What is the level of public concern?	Low	
Can the impacts be reversed?	N/A	Ranking of potential significance		
Can the impacts be mitigated?	N/A	Justification f	or ranking	
Do the operations comply with standards, plans, policies?	N/A			
Criteria	Areas of outstanding biodiversity value/Critic outstanding biodiversity value under the Bio- critical habitat under the Fisheries Managem	diversity Conserv		

Potential impacts	Potential impacts limited due to CEA impact threshold restrictions.			
	CEAs are not permitted to occur on land declared as areas of outstanding biodiversity value or critical habitat.			
	CEAs are not permitted to have a significant impact on threatened fauna or flora species or ecological communities (or their habitats). (Also refer to flora and fauna impact tables).			
	Map provided "Achilles Critical habitats/ Areas of Outstanding Biodiversity" shows areas of critical habitat in rivers (Lachlan River and Booberoi Creek), and the wetlands around the Lake Cargelligo area. The Round Hill Nature Reserve, in green, lies to the north and west. The drilling area is mapped away from any areas of critical habitat or areas of outstanding biodiversity.			
Proposed management controls	N/A			
Duration	N/A			
Application ranking				
What is the confidence in predicting impacts?	N/A	Are further studies required on impacts or mitigation?	N/A	
How resilient is the environment to cope with impacts?	N/A	What is the level of public concern?	Low	
Can the impacts be reversed?	N/A	Ranking of potential significance		
Can the impacts be mitigated?	N/A	Justification f	or ranking	
Do the operations comply with standards, plans, policies?	N/A		-	
Criteria	Endangered ecological community or critically endangered ecological community: Whether the activity: is likely to have an adverse effect on the extent of the ecological community such that its local occurrence is likely to be placed at risk of extinction, or is likely to substantially and adversely modify the composition of the ecological community such that its local occurrence is likely to be placed at risk of extinction.			

Potential impacts

Vegetation removal and activities can temporarily impact ecological communities.

Areas cleared for exploration activities, access tracks, etc not available for flora / fauna habitat.

Use of pesticides, herbicides, fertilisers or other chemicals have the potential to build up residues in the environment, including in soils and water.

Soil erosion and sediment laden runoff from disturbed areas, that could lead to soil or water contamination or land degradation.

Spread of weeds, pest animals and animal/plant diseases.

Removal of vegetation, barriers created by access tracks, etc can interrupt movement of fauna species.

PCTs located within proposed drilling area:

- PCT 72 White cypress pine Polar Box woodland on footslopes and peneplains mainly in the Cobar Peneplain Bioregion no associated TEC
- PCT 103 Poplar Box Gum Coolabah White Cypress Pine shrubby woodland mainly in the Cobar Peneplain Bioregion – no associated TEC
- PCT 104 Gum Coolabah Woodland on sedimentary substrates mainly in the Cobar Peneplain Bioregion – no associated TEC
- PCT 173 Sandplain mallee of central NSW has associated TEC
- PCT 174 Mallee Gum Coolabah woodland on red earth flats of the eastern Cobar Peneplain Bioregion - has associated TEC
- PCT 176 Green mallee White Cypress Pine very tall mallee woodland on gravel rises mainly in the Cobar Peneplain Bioregion – no associated TEC
- PCT 180 grey Mallee White Cypress Pine woodland on rocky hills of the eastern Cobar Peneplain Bioregion – no associated TEC
- PCt 184 Dwyers Red Gum White Cypress Pine Currawang low shrub-grass woodland of the Cobar Peneplain Bioregion – no associated TEC

Outside of proposed drilling area: Terrestrial biodiversity and BV located S and E of proposed drilling area (along creek). Groundwater vulnerability area south of proposed drilling. Areas of significant slope (mountains) indicated by contours.

MNES report same as APO0001609- reviewed on 29/5/2024

Map provided "Achilles Critical habitats/ Areas of Outstanding Biodiversity" shows areas of critical habitat in rivers (Lachlan River and Booberoi Creek), and the wetlands around the Lake Cargelligo area. The Round Hill Nature Reserve, in green, lies to the north and west. The drilling area is mapped away from any areas of critical habitat or areas of outstanding biodiversity.

PROTECTED MATTERS 15.11.23- reviewed on 29/5/2024 – TECs. Endangered "Mallee Bird Community of the Murray Darling Depression Bioregion" likely to occur in the area. Other TECs listed not likely and don't appear to correspond with PCTs identified in SEED.

Endangered species likely to occur in the area: Major Mitchell's Cockatoo, South-eastern Hooded Robin, Australian Painted Snipe, Grey Snake. NOTE: Major Mitchell's Cockatoo Bionet species sighting approx 8km SW of proposed drilling area.

Critically endangered Striated Grasswren (sandplain) may occur in the area. This species is also listed as one of the species forming the above-mentioned TEC. No other birds listed in this TEC are listed in the MNES search report. No bionet species sightings for any of the birds listed in the TEC near the drilling, however, Approx 7km N – a large number of bird species listed in the Endangered TEC "Mallee Bird Community of the Murray Darling Depression Bioregion" have bionet sightings including Endangered Malleefowl and Critically Endangered Red-lored whistler. PCTs consistent with proposed drill site specifically PCT 72, PCT 103, PCT 173, PCT 174

Proposed management controls

Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Minimise extent of vegetation clearing and surface disturbance to as low as practicable. b. Prevent adverse impacts to fauna caused by vegetation clearing, including relocation of resident fauna. c. Access track widths unlikely to pose significant barrier to fauna. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity.

	occur as soon as practicable after completion of activity.		
Duration	Short term		
Application ranking			
What is the confidence in	High	Are further	No
predicting impacts?		studies	
		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	High Resilience	What is the	Low
cope with impacts?		level of	
		public	
		concern?	

Can the impacts be reversed?	Yes	Ranking of Low		
Can the impacts be reversed?	165	potential		
		significance		
Can the impacts be mitigated?	Fully	Justification for ranking		
Do the operations comply with standards, plans, policies?	Yes	•		
Criteria Criteria	Habitat of a threatened species or ecologica	community		
Potential impacts	Potential impacts limited due to CEA impact			
	CEAs are not permitted to occur in areas of outstanding biodiversity value or critical habitat. CEAs are not permitted to have a significant impact on threatened fauna or flora species or			
	ecological communities (or their habitats). (Also refer to flora and fauna impact tables). MNES report same as APO0001609- reviewed on 29/5/2024 Map provided "Achilles Critical habitats/ Areas of Outstanding Biodiversity" shows areas of critical			
	Map provided "Achilles Critical habitats, Areas of Outstanding Biodiversity" shows areas of critical habitat in rivers (Lachlan River and Booberoi Creek), and the wetlands around the Lake Cargelligo area. The Round Hill Nature Reserve, in green, lies to the north and west. The drilling area is mapped away from any areas of critical habitat or areas of outstanding biodiversity. PROTECTED MATTERS 15.11.23 reviewed on 29/5/2024 – TECs. Endangered "Mallee Bird Community of the Murray Darling Depression Bioregion" likely to occur in the area. Other TECs listed not likely and don't appear to correspond with PCTs identified in SEED. Endangered species likely to occur in the area: Major Mitchell's Cockatoo, South-eastern Hooded Robin, Australian Painted Snipe, Grey Snake. NOTE: Major Mitchell's Cockatoo Bionet species sighting approx 8km SW of proposed drilling area. Critically endangered Striated Grasswren (sandplain) may occur in the area. This species is also listed as one of the species forming the above-mentioned TEC. No other birds listed in this TEC are listed in the MNES search report. No bionet species sightings for any of the birds listed in the TEC near the drilling, however, Approx 7km N – a large number of bird species listed in the Endangered TEC "Mallee Bird Community of the Murray Darling Depression Bioregion" have bionet sightings including Endangered Malleefowl and Critically Endangered Red-lored whistler. PCTs consistent with proposed drill site specifically PCT 72, PCT 103, PCT 173, PCT 174			
Proposed management controls	N/A			
Duration	N/A			
Application ranking				
What is the confidence in predicting impacts?	N/A	Are further studies required on impacts or mitigation?		
How resilient is the environment to cope with impacts?	N/A	What is the level of public concern?		
Can the impacts be reversed?	N/A	Ranking of potential significance		
Can the impacts be mitigated?	N/A	Justification for ranking		
Do the operations comply with standards, plans, policies?	N/A			
Criteria	Habitat of protected aquatic species or those with conservation status.			

Potential impacts	Negligible and only localised changes to drainage flows/flooding regime.			
	Water used for exploration not available for	ecological purpos	ses.	
	Surface runoff can be sediment laden from a	areas where vege	etation has been removed.	
	Generally minimal surface water use (must tagreements).	pe licensed or us	e of farm dams through landholder	
	No use of groundwater but potential loss throoperations.	ough produced w	ater in drilling / deep excavation	
	Interception, cross contamination and/or depoperations. Groundwater depressurisation e			
	Mobilisation of pollutants (such as hydrocart	oons) in surface v	vater or aquifers.	
	Ford across creeks can cause stream bank	erosion from veh	icle wash.	
	Inappropriate disposal of drilling wastes / ov	erflow from drillin	g sumps.	
	MNES report same as APO0001609- reviewed on 29/5/2024 Map provided "Achilles Critical habitats/ Areas of Outstanding Biodiversity" shows ar habitat in rivers (Lachlan River and Booberoi Creek), and the wetlands around the La area. The Round Hill Nature Reserve, in green, lies to the north and west. The drillin mapped away from any areas of critical habitat or areas of outstanding biodiversity.			
Proposed management controls	Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Activities must implement all measures to prevent causing any adverse impacts on water quality or quantity. b. All sediment and erosion controls (including drainage from roads/access tracks) to be managed in accordance with Blue Book. c. No significant impact on any threatened species, threatened populations, threatened ecological communities, or their habitats. d. No removal of vegetation in waterfront land. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity.			
Duration	Short term			
Application ranking		1	T	
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No	
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?	Low	
Can the impacts be reversed?	Yes	Ranking of potential significance	Low	
Can the impacts be mitigated?	Fully	Justification f	or ranking	
Do the operations comply with standards, plans, policies?	Yes		v	
Criteria Criteria	Key Threatening Processes: As outlined in Schedule 4 of Biodiversity Conservation Act 2016. Includes: a. alteration, removal, clearly or degradation of habitat and native vegetation b. loss of hollow bearing trees c. removal of dead wood and dead trees d. invasion and establishment of exotic species.			

Potential impacts	Vegetation removal can harm threatened species or reduce local abundance of species.				
	Areas cleared for exploration activities, access tracks, etc not available for flora habitat.				
	Mobilisation of pollutants (such as hydrocarbons) in soils, air or waters can potentially impact fauna.				
	Use of pesticides, herbicides, fertilisers or other chemicals have the potential to build up residues in the environment, including in soils and water.				
	Soil erosion and sediment laden runoff from disturbed areas, that could lead to soil or water contamination or land degradation. Spread of weeds, pest animals and animal/plant diseases. The drilling is located on flat rocky, relatively low productivity land, which is open with patches of shrubs and trees. The land is partly cleared and disturbed by agriculture.				
Proposed management controls	Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Minimise extent of vegetation clearing and surface disturbance to as low as practicable. b. Prevent adverse impacts to fauna caused by vegetation clearing, including relocation of resident fauna. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity.				
Duration	Short term	orr do pradicable	and completion of deavity.		
Application ranking					
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No		
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?	Low		
Can the impacts be reversed?	Yes	Ranking of potential significance	Low		
Can the impacts be mitigated?	Fully	Justification f	or ranking		
Do the operations comply with standards, plans, policies?	Yes		V		
Criteria	Barriers to movement of fauna: Any potentia of conservation significance) or create a barr				

Potential impacts	Vegetation removal can decrease available foraging/ sheltering/ breeding habitat for species and displace species from regular place of residence.				
	Access tracks can act as a barrier to movement of small fauna species. Fauna crossing access tracks may be killed or injured if hit by vehicles.				
	Vegetation removal can remove connective corridors used for wildlife movement.				
	Areas used for exploration activities, access tracks, etc not available for fauna habitat.				
	Mobilisation of pollutants (such as hydrocarbons) in soils, air or waters can potentially impact fauna.				
	Drilling sumps can be a hazard for fauna.				
	Use of pesticides, herbicides, fertilisers or other chemicals have the potential to build up residues in the environment, including in soils and water.				
	Short term noise and air quality impacts.				
	Soil erosion and sediment laden runoff from contamination or land degradation.	den runoff from disturbed areas, that could lead to soil or water dation.			
	Spread of weeds, pest animals and animal/plant diseases. The drilling is located on flat rocky, relatively low productivity land, which is open with patches of shrubs and trees.				
	The land is partly cleared and disturbed by agriculture. ACCESS				
	Existing farm tracks and open but un-cropped paddocks will be used for access, however some regrowth and shrubs may need to be disturbed to provide safe access for vehicles.				
	DISTURBANCE Surface disturbance 1,500 sqm (cumulative 6500sqm) Excavation 15cbm (cumulative 105cbm) Trees will not need to be bulldozed, however some shrubs may need to be cleared for pad access, possibly by the landowner's bobcat or similar. PVC collars will be required and hand shovels/digging tools used to excavate turkeys nests to control water. The planned drilling locations are not expected to require drill pad earthworks, and only minor				
	vegetation/shrub clearing is expected to be required, hence only a small clearing disturbance is proposed.				
- Down and was a second as a second	A 45 de a contra de la contra dela contra de la contra del la contra del la contra de la contra del la contra de la contra de la contra de la contra del la contra del la contra de la contra de la contra del la contra de la contra de la contra del la	- And all and a large	4. There should never the Control of		
Proposed management controls	Activities must comply with CEA Location Remust comply with (Exploration Code of Pract	ice: Environmen	tal Management) as per the		
	commitment in the application (APO). Relevant requirements of this Code include: a. Minimise extent of vegetation clearing and surface disturbance to as low as practicable. b. Prevent adverse				
	impacts to fauna caused by vegetation clearing, including relocation of resident fauna. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice:				
D4!	Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity.				
Duration Application ranking	Short term				
What is the confidence in	High	Are further	No		
predicting impacts?		studies required on			
		impacts or			
How resilient is the environment to	High Resilience	mitigation? What is the	Low		
cope with impacts?	nigri Resilierice	level of	Low		
		public concern?			
Can the impacts be reversed?	Yes	Ranking of	Low		
		potential significance			
Can the impacts be mitigated?	Fully	Justification f	or ranking		
Do the operations comply with standards, plans, policies?	Yes	,	- · · · · · · · · · · · · · · · · · · ·		
Criteria	Ecological & Biosecurity Impacts: Any threat to the biological diversity or ecological integrity of an				
	ecological community.				

Vegetation removal can decrease available t	foraging/ shelteri	ng/ breeding habitat for species and		
Vegetation removal can decrease available foraging/ sheltering/ breeding habitat for species and displace species from regular place of residence. Areas used for exploration activities, access tracks, etc not available for flora / fauna habitat. Mobilisation of pollutants (such as hydrocarbons) in soils, air or waters can potentially impact fauna / flora. Drilling sumps can be a hazard for fauna. Use of pesticides, herbicides, fertilisers or other chemicals have the potential to build up residues in the environment, including in soils and water. Soil erosion and sediment laden runoff from disturbed areas, that could lead to soil or water contamination or land degradation. Exposure of acid sulfate soils. Spread of weeds, pest animals and animal/plant diseases. Fauna crossing access tracks may be killed or injured if hit by vehicles. Surface disturbance may result in removal of/damage to seed stock.				
Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Minimise extent of vegetation clearing and surface disturbance to as low as practicable. b. Prevent adverse impacts to fauna caused by vegetation clearing, including relocation of resident fauna. c. Setbacks from steep slopes/cliffs to limit impact of shots on cave dwelling fauna. Noise impacts / disruption to fauna are temporary. Vehicle movements are limited and unlikely to have significant injury/mortality impacts. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity.				
Short term				
High	Are further studies required on impacts or mitigation?	No		
High Resilience	What is the level of public concern?	Low		
Yes	potential significance	Low		
Partly	Justification f	or ranking		
Yes		-		
Ecological & Biosecurity Impacts: Creates a biosecurity risk or introduces genetically modified organisms into an area. Includes impacts from the introduction of: a. mobilisation of pollutants b. animal pests, c. plant pests and diseases, d. animal diseases, e. noxious weeds, or f. genetically modified organisms.				
Mobilisation of pollutants (such as hydrocarbons) in soils, air or waters can potentially impact fauna / flora. Use of pesticides, herbicides, fertilisers or other chemicals have the potential to build up residues in the environment, including in soils and water. Spread of weeds, pest animals and animal/plant diseases. Surface disturbance may result in removal of/damage to seed stock. Weed growth in disturbed areas. DISTURBANCE Surface disturbance 1,500 sqm (cumulative 6500sqm) Excavation 15cbm (cumulative 105cbm) Trees will not need to be buildozed, however some shrubs may need to be cleared for pad access, possibly by the landowner's bobcat or similar. PVC collars will be required and hand shovels/digging tools used to excavate turkeys nests to control water. The planned drilling locations are not expected to require drill pad earthworks, and only minor vegetation/shrub clearing is expected to be required, hence only a small clearing disturbance is proposed. ACCESS Existing farm tracks and open but un-cropped paddocks will be used for access, however some regrowth and shrubs may need to be disturbed to provide safe access for vehicles				
	tracks, etc not available for flora / fauna habily hydrocarbons) in soils, air or waters can pote hazard for fauna. Use of pesticides, her to build up residues in the environment, includen runoff from disturbed areas, that could Exposure of acid sulfate soils. Spread of Fauna crossing access tracks may be killed may result in removal of/damage to seed sto Activities must comply with CEA Location Remust comply with (Exploration Code of Practicommitment in the application (APO). Releve extent of vegetation clearing and surface disimpacts to fauna caused by vegetation clear Setbacks from steep slopes/cliffs to limit imp / disruption to fauna are temporary. Vehicle injury/mortality impacts. All disturbed are (Exploration Code of Practice: Rehabilitation completion of activity. Short term High High Resilience Yes Partly Yes Ecological & Biosecurity Impacts: Creates a organisms into an area. Includes impacts fro animal pests, c. plant pests and diseases, genetically modified organisms. Mobilisation of pollutants (such as hydrocartiflora. Use of pesticides, herbicides, fertilisers or ot the environment, including in soils and water Spread of weeds, pest animals and animal/p Surface disturbance may result in removal or Weed growth in disturbed areas. DISTURBANCE Surface disturbance may result in removal or Weed growth in disturbed areas. DISTURBANCE Surface disturbance may result in removal or Weed growth in disturbed areas. DISTURBANCE Surface disturbance 1,500 sqm (cumulative Excavation 15cbm (cumulative 105cbm) Trees will not need to be bulldozed, however possibly by the landowner's bobcat or similar PVC collars will be required and hand shove control water. The planted drilling locations are not expect vegetation/shrub clearing is expected to be reproposed. ACCESS Existing farm tracks and open but un-cropped.	tracks, etc not available for flora / fauna habitat. hydrocarbons) in soils, air or waters can potentially impact fa hazard for fauna. Use of pesticides, herbicides, fertilisers to build up residues in the environment, including in soils and laden runoff from disturbed areas, that could lead to soil or w Exposure of acid sulfate soils. Spread of weeds, pest ani Fauna crossing access tracks may be killed or injured if hit bin may result in removal of/damage to seed stock. Activities must comply with CEA Location Restrictions, Impact must comply with (Exploration Code of Practice: Environmen commitment in the application (APO). Relevant requirements extent of vegetation clearing and surface disturbance to as lc impacts to fauna caused by vegetation clearing, including rel Setbacks from steep slopes/cliffs to limit impact of shots on completion to fauna are temporary. Vehicle movements are Injury/mortality impacts. All disturbed areas to be rehabilit (Exploration Code of Practice: Rehabilitation). Rehabilitation completion of activity. Short term High Are further studies required on impacts or mitigation? Yes Ranking of potential significance Partly Justification for potential significance. Partly Justification for potential significance in the introduction animal pests, c. plant pests and diseases, d. animal disease genetically modified organisms. Mobilisation of pollutants (such as hydrocarbons) in soils, air flora. Use of pesticides, herbicides, fertilisers or other chemicals has the environment, including in soils and water. Spread of weeds, pest animals and animal/plant diseases. Surface disturbance 1,500 sqm (cumulative 6500sqm) Excavation 15cbm (cumulative 105cbm) Trees will not need to be buildozed, however some shrubs m possibly by the landowner's bobcat or similar. PVC collars will be required and hand shovels/digging tools to control water. The planned drilling locations are not expected to require dril vegetation/shrub clearing is expected to be required, hence of proposed.		

Proposed management controls Duration	Activities must comply with CEA Location Remust comply with (Exploration Code of Practicommitment in the application (APO). Relevextent of vegetation clearing and surface dissimpacts to fauna caused by vegetation clear Requirement to prevent introduction and spriction diseases (required to implement "come clear rehabilitated in accordance with title condition Rehabilitation to occur as soon as practicable management). Legislative requirement for additional mitigation measures to manage last Short term	tice: Environment vant requirement sturbance to as lot ring, including reliced of weeds, per n, go clean" proto ons (Exploration Cole after completic or landholder according to the less of the completic or landholder according to the variety of the completic or landholder according to the variety of the completic or landholder according to the variety of the completion of the control of the completion of the completion of the control of the c	tal Management) as per the sof this Code include: a. Minimise was practicable. b. Prevent adverse ocation of resident fauna. c. est animals & animal and plant ocols). All disturbed areas to be Code of Practice: Rehabilitation).
	Short term		
Application ranking			L
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?	Low
Can the impacts be reversed?	Yes	Ranking of potential significance	Low
Can the impacts be mitigated?	Fully	Justification f	or ranking
Do the operations comply with standards, plans, policies?	Yes		
Criteria Criteria	Ecological & Biosecurity Impacts: Likely to c	। :ause a significan	t bushfire risk.
Potential impacts	Plant and machinery comprises a potential in		
Proposed management controls	Activities must comply with CEA Location Remust comply with (Exploration Code of Practice Commitment in the application (APO). Relevisk assessment and implementing suitable controls on activities during Extreme or Cata Activities must comply with WHS legislative can be used as firebreaks in event of fire.	tice: Environmen vant requirements controls to mana astrophic Fire Co	tal Management) as per the s of this Code include undertaking a ge risks (e.g. implementation of
Duration	Short term		
Application ranking			
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?	Low
Can the impacts be reversed?	Yes	Ranking of potential significance	Low
Can the impacts be mitigated?	Fully	Justification f	or ranking
Do the operations comply with standards, plans, policies?	Yes		
Criteria Criteria	Community Resources: Any degradation of	infrastructure or	significant increase in the demand for
Potential imports	services and infrastructure resources.	in domand for	and trans
Potential impacts	Limited potential for any significant increase in demand for resources. Negligible potential for degradation of infrastructure, such as roads and bridges.		
	ACCESS Existing farm tracks and open but un-croppe regrowth and shrubs may need to be disturb		
Proposed management controls	Negligible impacts likely. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO) including protection of all elements of the environment, culture and heritage. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (includes weed growth management). Legislative requirement for landholder access arrangements and compensation.		
Duration	Short term		
Application ranking			

What is the confidence in	High	Are further	No	
predicting impacts?		studies		
		required on		
		impacts or		
		mitigation?		
How resilient is the environment to	High Resilience	What is the	Low	
	High Resilience		LOW	
cope with impacts?		level of		
		public		
		concern?		
Can the impacts be reversed?	Yes	Ranking of	Low	
		potential		
		significance		
Can the impacts be mitigated?	Fully	Justification f	or ranking	
Do the operations comply with	Yes			
standards, plans, policies?				
Criteria Criteria	Community Resources: Any diversion of res	I Ources to the det	riment of other communities or natural	
Officeria	systems.	burces to the det	Timent of other communities of matural	
Potential impacts	Limited potential for any significant diversion	of recourses to	the detriment of other communities or	
Potential impacts		or resources to	the detriment of other communities of	
	natural systems.			
	Negligible impacts and only localised change	es.		
	Areas used for exploration activities, tempora	arily removed fro	m natural systems and / community	
	use.			
	ACCESS			
	Existing farm tracks and open but un-croppe	d paddocks will b	be used for access, however some	
	regrowth and shrubs may need to be disturb			
	regiowin and simulatinal may need to be distant	od to provide odi	e docess for vernoies.	
	LANDUSE			
	LANDUSE The desired delition will take a large of the second and the second and the second at the se			
	The planned drilling will take place on a farm, where cropping and grazing are both practiced. The			
	planned drill sites will not affect cropping areas. Where grazing animals are fenced within the area			
	where drilling occurs, there will be no impact on the animals as they will be able to move to other			
	parts of the paddock for feeding. All drilling n	nuds, oils and otl	her materials will be secured within the	
	support vehicles during the night so that anir	mals cannot acce	ess them.	
Proposed management controls	Negligible impacts likely. Activities must	comply with CEA	Location Restrictions, Impact	
r repossu management sentions	Thresholds and Criteria. Activities must of	comply with (Eyn	loration Code of Practice:	
	Environmental Management) as per the com			
	requirements of this Code include protection of all elements of the environment, culture and			
			ance with title conditions (Exploration	
	Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of			
	activity. (includes weed growth management	t). Legislative	requirement for landholder access	
	arrangements and compensation.			
Duration	Short term			
Application ranking				
What is the confidence in	N/A	Are further	N/A	
predicting impacts?		studies		
predicting impacts:		required on		
		impacts or		
Hamman Wand In 41	N/A	mitigation?	1	
How resilient is the environment to	N/A	What is the	Low	
cope with impacts?		level of		
		public		
		concern?		
Can the impacts be reversed?	N/A	Ranking of		
•		potential		
		significance		
Can the impacts be mitigated?	N/A	Justification f	or ranking	
		Justinication I	or ranking	
Do the operations comply with	N/A			
standards, plans, policies?	N (15			
Criteria	Natural Resources: Any disruption, depletion	or destruction o	r natural resources.	

Potential impacts	Limited potential for any significant diversior natural systems.	of resources to the detriment of othe	r communities or	
	Negligible impacts and only localised changes.			
	Areas used for exploration activities, temporarily removed as a natural resource.			
	Vegetation removal may remove potential til	ber resources.		
	No significant impacts on other natural resorknowledge of geological resources.	rces other than positive in terms of in	creased	
Proposed management controls	Thresholds and Criteria. Activities must Environmental Management) as per the con requirements of this Code include protection	as. Where grazing animals are fenced on the animals as they will be able to buds, oils and other materials will be shals cannot access them. 201609. S/bushes/grass. Tracks and fence lines shows a pit. ck down the hole, cutting PVC collarial dug from the holes or the top bag. It is be levelled by bobcat. Excess cutting comply with CEA Location Restriction comply with (Exploration Code of Pragmitment in the application (APO). Reserved.	d within the area of move to other secured within the es. s and plugging gs will be trucked lis, Impact citice: elevant vater, land, soil,	
		egislative requirement for landholder		
D	arrangements and compensation limit any p	tentiai impacts.		
Duration Application realisms	N/A			
Application ranking What is the confidence in	N/A	Are further No		
predicting impacts?	IN/A	Are further No studies		
predicting impacts:		required on		
		impacts or		
		mitigation?		
How resilient is the environment to	N/A	What is the Low		
cope with impacts?		level of		
		public		
		concern?		
Can the impacts be reversed?	N/A	Ranking of Low		
		potential		
Con the immests he wilder to 10	N/A	significance		
Can the impacts be mitigated?		Justification for ranking		
Do the operations comply with standards, plans, policies?	Yes			
Criteria	Natural Resources: Any disruption of existin			
	forestry, farming or extractive industries (or	eduction of options for future activities	s).	

Potential impacts	Limited potential for any significant disruption of existing activities (or reduction of future activities) given temporary nature of exploration.			
	Negligible impacts and only localised & temporary changes.			
	Areas used for exploration activities, tempo impacts on future availability of forestry, ag			
	Vegetation removal may remove potential t	imber resources.		
	LANDUSE The planned drilling will take place on a farm planned drill sites will not affect cropping ar where drilling occurs, there will be no impact parts of the paddock for feeding. All drilling support vehicles during the night so that an REHABILITATION Rehab will likely consist of tipping cuttings I holes and backfilling the holes with the mat Wheel ruts and other surface disturbance we to an EPA-approved disposal facility. DISTURBANCE	eas. Where grazing to on the animals muds, oils and ot imals cannot accordance down the hole in all dug from the	ng animals are fenced within the area as they will be able to move to other her materials will be secured within the ess them. le, cutting PVC collars and plugging holes or the top bag.	
	Surface disturbance 1,500 sqm (cumulative Excavation 15cbm (cumulative 105cbm) Trees will not need to be bulldozed, however possibly by the landowner's bobcat or similar PVC collars will be required and hand show control water. The planned drilling locations are not expect	er some shrubs m ar. els/digging tools u	used to excavate turkeys nests to	
	vegetation/shrub clearing is expected to be required, hence only a small clearing disturbance is proposed.			
Proposed management controls	Negligible impacts likely. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include protection of all elements of the environment (water, land, soil, air), culture and heritage. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity. Legislative requirement for landholder access arrangements and compensation limit any potential impacts.			
Duration	Short term	otentiai impacts.		
Application ranking	Short term			
What is the confidence in predicting impacts?	N/A	Are further studies required on impacts or mitigation?	No	
How resilient is the environment to cope with impacts?	N/A	What is the level of public concern?	Low	
Can the impacts be reversed?	N/A	Ranking of potential significance	Low	
Can the impacts be mitigated?	N/A	Justification f	or ranking	
Do the operations comply with standards, plans, policies?	Yes			
Criteria	Natural Resources: Any use which results in the degradation of any area reserved for conservation purposes.			
Potential impacts	CEA activity not permitted in areas reserve	d for conservation	purposes.	
Proposed management controls	N/A			
Duration	N/A			
Application ranking				
What is the confidence in predicting impacts?	N/A	Are further studies required on impacts or mitigation?	N/A	
How resilient is the environment to cope with impacts?	N/A	What is the level of public concern?	N/A	

Can the impacts be reversed?	N/A	Ranking of potential significance			
Can the impacts be mitigated?	N/A	Justification f	or ranking		
Do the operations comply with standards, plans, policies?	N/A	N/A			
Criteria	Sensitive Land Impacts: Impacts on National parks and other areas reserved or dedicated or acquired under the National Parks and Wildlife Act 1974.				
Potential impacts	Activity not permitted in these areas.				
Proposed management controls	N/A				
Duration	N/A				
Application ranking					
What is the confidence in	N/A	Are further	N/A		
predicting impacts?		studies required on impacts or mitigation?			
How resilient is the environment to	N/A	What is the	N/A		
cope with impacts?	N/A	level of public concern?	N/A		
Can the impacts be reversed?	N/A	Ranking of potential significance			
Can the impacts be mitigated?	N/A	Justification f	or ranking		
Do the operations comply with	N/A				
standards, plans, policies?					
Criteria	Sensitive Land Impacts: Land subject to a 'co Wildlife Act 1974 and/or the Biodiversity Con agreement (established under the now repeat Biodiversity Stewardship agreement establish Wildlife Refuge agreement established unde conservation agreements that continue to ha Trust agreements under the now-repeat vegetation plans made under the now-repeat property agreements under the repealed Nat	servation Act 20 aled Threatened hed under the Bi r the Biodiversity we effect even w bealed Nature Co led Native Veget	16. This includes: a. Biobanking Species Conservation Act 1995) or a odiversity Conservation Act 2016. b. Conservation Act 2016. c. Existing here legislation has been repealed: Inservation Trust Act 2001 Property ation Act 2003 Registered		
Detential imments		live vegetation C	onservation Act 1997		
Potential impacts	Activity not permitted in these areas.				
Proposed management controls	N/A				
Duration	N/A				
Application ranking					
What is the confidence in predicting impacts?	N/A	Are further studies required on impacts or mitigation?	N/A		
How resilient is the environment to cope with impacts?	N/A	What is the level of public concern?	N/A		
Can the impacts be reversed?	N/A	Ranking of potential significance			
Can the impacts be mitigated?	N/A	Justification f	or ranking		
Do the operations comply with standards, plans, policies?	N/A				
Criteria	Sensitive Land Impacts: Impacts on aquatic Estate Management Act 2014. Impacts on C 2016.				
Potential impacts	Activity not permitted in these areas.				
Proposed management controls	N/A				
Duration	N/A				
Application ranking					
What is the confidence in predicting impacts?	N/A	Are further studies required on impacts or mitigation?	N/A		
How resilient is the environment to cope with impacts?	N/A	What is the level of public concern?	N/A		
Can the impacts be reversed?	N/A	Ranking of potential significance			

Can the impacts be mitigated?	N/A	Justification f	or ranking		
Do the operations comply with	N/A				
standards, plans, policies?					
Criteria	Sensitive Land Impacts: Fishing grounds and commercial fish breeding or nursery areas.				
Potential impacts	Negligible and only localised changes to drainage flows/flooding regime. Surface runoff can be				
		sediment laden from areas where vegetation has been removed. Generally minimal surface water use (must be licensed or use of farm dams through landholder agreements). Intercept			
	cross contamination and/or depressurisation				
	Groundwater depressurisation effects on sur		Mobilisation of pollutants (such as		
	hydrocarbons) in surface water or aquifers.		creeks can cause stream bank erosion		
	from vehicle wash. Inappropriate disposal of drilling wastes / overflow from drilling sump				
Proposed management controls	Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Activities				
	must implement all measures to prevent cau				
	b. All sediment and erosion controls (includir				
	accordance with Blue Book. c. No significa				
	populations, threatened ecological communi				
			accordance with title conditions		
	(Exploration Code of Practice: Rehabilitation). Rehabilitation	to occur as soon as practicable after		
Duration	completion of activity. Short term				
Application ranking	Short term				
What is the confidence in	High	Are further	No		
predicting impacts?		studies			
		required on			
		impacts or			
How we dispute the ancine was at to	Llink Davillance	mitigation?	NI/A		
How resilient is the environment to cope with impacts?	High Resilience	What is the level of	N/A		
cope with impacts:		public			
		concern?			
Can the impacts be reversed?	Yes	Ranking of	Low		
		potential			
0	E. II.	significance			
Can the impacts be mitigated? Do the operations comply with	Fully Yes	Justification f	or ranking		
standards, plans, policies?	165				
Criteria	Sensitive Land Impacts: Impacts on other se	ensitive lands inc	cluding: a. Land within a state forest		
	set aside under the Forestry Act 2012 for co				
	special management (and other) zones. b.				
	declared to be a 'controlled area' or a 'special area' under the Water Management Act 2000				
	defined under the Water Management Act 2000		TACE 1991. C. Waternont land as		
Potential impacts	N/A CEA Location restrictions prevent acti		nsitive locations.		
Proposed management controls	N/A				
Duration	N/A				
Application ranking					
What is the confidence in	N/A	Are further	N/A		
predicting impacts?		studies required on			
		impacts or			
		mitigation?			
How resilient is the environment to	N/A	What is the	N/A		
cope with impacts?		level of			
		public			
Can the impacts be reversed?	N/A	concern? Ranking of			
can the impacts be reversed?	IN/A	potential			
		significance			
Can the impacts be mitigated?	N/A	Justification f	or ranking		
Do the operations comply with	N/A		-		
standards, plans, policies?					
Criteria	Sensitive Land Impacts: Impacts on land res				
	Lands Act 1989/Crown Lands Management and environmental protection purposes.	Act 20 to for pres	servation of the environment or other		
Potential impacts	Activity not permitted in area.				
Proposed management controls	, , , , , , , , , , , , , , , , , , ,				
	N/A				
Duration	N/A				
Application ranking					

What is the confidence in	N/A	Are further	N/A
predicting impacts?		studies	
producting impactor		required on	
		impacts or	
		mitigation?	
	NI/A		N1/A
How resilient is the environment to	N/A	What is the	N/A
cope with impacts?		level of	
		public	
		concern?	
Can the impacts be reversed?	N/A	Ranking of	
		potential	
		significance	
Can the impacts be mitigated?	N/A	Justification for	or ranking
Do the operations comply with	N/A	ouotimoution i	or ramany
standards, plans, policies?	IV/A		
Criteria	Sensitive Land Impacts: Impacts on land ide	ntified as wildern	account declared a wilderness area
Officeria	under the Wilderness Act 1987.	millied as wildern	less of declared a wilderness area
Detential impacts			
Potential impacts	Activity not permitted in these areas.		
Proposed management controls	N/A		
Duration	N/A		
Application ranking			
What is the confidence in	N/A	Are further	N/A
predicting impacts?		studies	
		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	N/A	What is the	N/A
cope with impacts?	1477	level of	1777
cope with impacts:		public	
0 41 1 4 1	AL/A	concern?	
Can the impacts be reversed?	N/A	Ranking of	
		potential	
		significance	
Can the impacts be mitigated?	N/A	Justification for	or ranking
			or running
Do the operations comply with	N/A		or ramang
Do the operations comply with standards, plans, policies?	N/A		
Do the operations comply with		ernational signific	ance designated under the Ramsar
Do the operations comply with standards, plans, policies? Criteria	N/A Sensitive Lands: Impacts on wetlands of inte Convention on Wetlands and those designat Important Wetlands of Australia.	ernational signific	ance designated under the Ramsar
Do the operations comply with standards, plans, policies? Criteria Potential impacts	N/A Sensitive Lands: Impacts on wetlands of inte Convention on Wetlands and those designat	ernational signific	ance designated under the Ramsar
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls	N/A Sensitive Lands: Impacts on wetlands of inte Convention on Wetlands and those designat Important Wetlands of Australia. Activity not permitted in these areas. N/A	ernational signific	ance designated under the Ramsar
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration	N/A Sensitive Lands: Impacts on wetlands of inte Convention on Wetlands and those designat Important Wetlands of Australia. Activity not permitted in these areas.	ernational signific	ance designated under the Ramsar
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking	N/A Sensitive Lands: Impacts on wetlands of inte Convention on Wetlands and those designat Important Wetlands of Australia. Activity not permitted in these areas. N/A N/A	ernational signific ted as a nationall	ance designated under the Ramsar y important wetland in the Directory of
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in	N/A Sensitive Lands: Impacts on wetlands of inte Convention on Wetlands and those designat Important Wetlands of Australia. Activity not permitted in these areas. N/A	ernational signific ted as a nationall	ance designated under the Ramsar
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking	N/A Sensitive Lands: Impacts on wetlands of inte Convention on Wetlands and those designat Important Wetlands of Australia. Activity not permitted in these areas. N/A N/A	ernational signific ted as a nationall Are further studies	ance designated under the Ramsar y important wetland in the Directory of
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in	N/A Sensitive Lands: Impacts on wetlands of inte Convention on Wetlands and those designat Important Wetlands of Australia. Activity not permitted in these areas. N/A N/A	Are further studies required on	ance designated under the Ramsar y important wetland in the Directory of
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in	N/A Sensitive Lands: Impacts on wetlands of inte Convention on Wetlands and those designat Important Wetlands of Australia. Activity not permitted in these areas. N/A N/A	Are further studies required on impacts or	ance designated under the Ramsar y important wetland in the Directory of
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts?	N/A Sensitive Lands: Impacts on wetlands of interconvention on Wetlands and those designat Important Wetlands of Australia. Activity not permitted in these areas. N/A N/A N/A	Are further studies required on impacts or mitigation?	ance designated under the Ramsar y important wetland in the Directory of N/A
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to	N/A Sensitive Lands: Impacts on wetlands of inte Convention on Wetlands and those designat Important Wetlands of Australia. Activity not permitted in these areas. N/A N/A	Are further studies required on impacts or mitigation?	ance designated under the Ramsar y important wetland in the Directory of
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts?	N/A Sensitive Lands: Impacts on wetlands of interconvention on Wetlands and those designat Important Wetlands of Australia. Activity not permitted in these areas. N/A N/A N/A	Are further studies required on impacts or mitigation?	ance designated under the Ramsar y important wetland in the Directory of N/A
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to	N/A Sensitive Lands: Impacts on wetlands of interconvention on Wetlands and those designat Important Wetlands of Australia. Activity not permitted in these areas. N/A N/A N/A	Are further studies required on impacts or mitigation? What is the level of public	ance designated under the Ramsar y important wetland in the Directory of
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	N/A Sensitive Lands: Impacts on wetlands of interconvention on Wetlands and those designat Important Wetlands of Australia. Activity not permitted in these areas. N/A N/A N/A	Are further studies required on impacts or mitigation? What is the level of public concern?	ance designated under the Ramsar y important wetland in the Directory of N/A
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to	N/A Sensitive Lands: Impacts on wetlands of interconvention on Wetlands and those designat Important Wetlands of Australia. Activity not permitted in these areas. N/A N/A N/A	Are further studies required on impacts or mitigation? What is the level of public	ance designated under the Ramsar y important wetland in the Directory of N/A
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	N/A Sensitive Lands: Impacts on wetlands of interconvention on Wetlands and those designat Important Wetlands of Australia. Activity not permitted in these areas. N/A N/A N/A N/A	Are further studies required on impacts or mitigation? What is the level of public concern?	ance designated under the Ramsar y important wetland in the Directory of
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	N/A Sensitive Lands: Impacts on wetlands of interconvention on Wetlands and those designat Important Wetlands of Australia. Activity not permitted in these areas. N/A N/A N/A N/A	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	ance designated under the Ramsar y important wetland in the Directory of
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed?	N/A Sensitive Lands: Impacts on wetlands of interest Convention on Wetlands and those designated Important Wetlands of Australia. Activity not permitted in these areas. N/A N/A N/A N/A	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	ance designated under the Ramsar y important wetland in the Directory of
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed?	N/A Sensitive Lands: Impacts on wetlands of interest Convention on Wetlands and those designated Important Wetlands of Australia. Activity not permitted in these areas. N/A N/A N/A N/A N/A N/A	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	ance designated under the Ramsar y important wetland in the Directory of
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the operations comply with	N/A Sensitive Lands: Impacts on wetlands of interest Convention on Wetlands and those designated Important Wetlands of Australia. Activity not permitted in these areas. N/A N/A N/A N/A	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	ance designated under the Ramsar y important wetland in the Directory of
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies?	N/A Sensitive Lands: Impacts on wetlands of interconvention on Wetlands and those designate Important Wetlands of Australia. Activity not permitted in these areas. N/A N/A N/A N/A N/A N/A N/A	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for	ance designated under the Ramsar y important wetland in the Directory of N/A N/A or ranking
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the operations comply with	N/A Sensitive Lands: Impacts on wetlands of interconvention on Wetlands and those designat Important Wetlands of Australia. Activity not permitted in these areas. N/A N/A N/A N/A N/A N/A Sensitive Land Impacts: Impacts on land ide	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for this in an environment of the public concern?	ance designated under the Ramsar y important wetland in the Directory of N/A N/A or ranking ronmental planning instrument as being
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies?	N/A Sensitive Lands: Impacts on wetlands of interconvention on Wetlands and those designat Important Wetlands of Australia. Activity not permitted in these areas. N/A N/A N/A N/A N/A N/A Sensitive Land Impacts: Impacts on land ide of biodiversity / conservation significance or	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for this concerd for environ	ance designated under the Ramsar y important wetland in the Directory of N/A N/A or ranking ronmental planning instrument as being nmental conservation, protection and/or
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies?	N/A Sensitive Lands: Impacts on wetlands of interconvention on Wetlands and those designat Important Wetlands of Australia. Activity not permitted in these areas. N/A N/A N/A N/A N/A N/A N/A Sensitive Land Impacts: Impacts on land ide of biodiversity / conservation significance or management. Includes Coastal Wetlands and	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for the concern defends on the concern for environ defends on the concern for environd Littoral rainfores.	ance designated under the Ramsar y important wetland in the Directory of N/A N/A or ranking ronmental planning instrument as being nmental conservation, protection and/or
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria	N/A Sensitive Lands: Impacts on wetlands of interconvention on Wetlands and those designat Important Wetlands of Australia. Activity not permitted in these areas. N/A N/A N/A N/A N/A N/A N/A Sensitive Land Impacts: Impacts on land ide of biodiversity / conservation significance or management. Includes Coastal Wetlands an Planning Policy (Resilience and Hazards) 20	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for the concern defends on the concern for environ defends on the concern for environd Littoral rainfores.	ance designated under the Ramsar y important wetland in the Directory of N/A N/A or ranking ronmental planning instrument as being nmental conservation, protection and/or
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts	N/A Sensitive Lands: Impacts on wetlands of interconvention on Wetlands and those designat Important Wetlands of Australia. Activity not permitted in these areas. N/A N/A N/A N/A N/A N/A N/A Sensitive Land Impacts: Impacts on land ide of biodiversity / conservation significance or management. Includes Coastal Wetlands an Planning Policy (Resilience and Hazards) 20 Activity not permitted in these areas.	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for the concern defends on the concern for environ defends on the concern for environd Littoral rainfores.	ance designated under the Ramsar y important wetland in the Directory of N/A N/A N/A or ranking ronmental planning instrument as being nmental conservation, protection and/or
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls	N/A Sensitive Lands: Impacts on wetlands of interconvention on Wetlands and those designat Important Wetlands of Australia. Activity not permitted in these areas. N/A N/A N/A N/A N/A N/A N/A N/	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for the concern defends on the concern for environ defends on the concern for environd Littoral rainfores.	ance designated under the Ramsar y important wetland in the Directory of N/A N/A N/A or ranking ronmental planning instrument as being nmental conservation, protection and/or
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration	N/A Sensitive Lands: Impacts on wetlands of interconvention on Wetlands and those designat Important Wetlands of Australia. Activity not permitted in these areas. N/A N/A N/A N/A N/A N/A N/A Sensitive Land Impacts: Impacts on land ide of biodiversity / conservation significance or management. Includes Coastal Wetlands an Planning Policy (Resilience and Hazards) 20 Activity not permitted in these areas.	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for the concern defends on the concern for environ defends on the concern for environd Littoral rainfores.	ance designated under the Ramsar y important wetland in the Directory of N/A N/A N/A or ranking ronmental planning instrument as being nmental conservation, protection and/or
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking	N/A Sensitive Lands: Impacts on wetlands of interconvention on Wetlands and those designat Important Wetlands of Australia. Activity not permitted in these areas. N/A N/A N/A N/A N/A N/A N/A N/	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for the concern defends on the concern for environ defends on the concern for environd Littoral rainfores.	ance designated under the Ramsar y important wetland in the Directory of N/A N/A N/A or ranking ronmental planning instrument as being nmental conservation, protection and/or
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration	N/A Sensitive Lands: Impacts on wetlands of interconvention on Wetlands and those designat Important Wetlands of Australia. Activity not permitted in these areas. N/A N/A N/A N/A N/A N/A N/A N/	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for the concern defends on the concern for environ defends on the concern for environd Littoral rainfores.	ance designated under the Ramsar y important wetland in the Directory of N/A N/A N/A or ranking ronmental planning instrument as being nmental conservation, protection and/or
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking	N/A Sensitive Lands: Impacts on wetlands of interest Convention on Wetlands and those designated Important Wetlands of Australia. Activity not permitted in these areas. N/A N/A N/A N/A N/A N/A Sensitive Land Impacts: Impacts on land ide of biodiversity / conservation significance or management. Includes Coastal Wetlands an Planning Policy (Resilience and Hazards) 20 Activity not permitted in these areas. N/A N/A	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for the public concern?	ance designated under the Ramsar y important wetland in the Directory of N/A N/A N/A or ranking ronmental planning instrument as being nmental conservation, protection and/or ests under State Environmental
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in	N/A Sensitive Lands: Impacts on wetlands of interest Convention on Wetlands and those designated Important Wetlands of Australia. Activity not permitted in these areas. N/A N/A N/A N/A N/A N/A Sensitive Land Impacts: Impacts on land ide of biodiversity / conservation significance or management. Includes Coastal Wetlands an Planning Policy (Resilience and Hazards) 20 Activity not permitted in these areas. N/A N/A	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for the public concern?	ance designated under the Ramsar y important wetland in the Directory of N/A N/A N/A or ranking ronmental planning instrument as being mental conservation, protection and/or ests under State Environmental
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in	N/A Sensitive Lands: Impacts on wetlands of interest Convention on Wetlands and those designated Important Wetlands of Australia. Activity not permitted in these areas. N/A N/A N/A N/A N/A N/A Sensitive Land Impacts: Impacts on land ide of biodiversity / conservation significance or management. Includes Coastal Wetlands an Planning Policy (Resilience and Hazards) 20 Activity not permitted in these areas. N/A N/A	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for the concern of the concern	ance designated under the Ramsar y important wetland in the Directory of N/A N/A N/A or ranking ronmental planning instrument as being nmental conservation, protection and/or ests under State Environmental
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in	N/A Sensitive Lands: Impacts on wetlands of interest Convention on Wetlands and those designated Important Wetlands of Australia. Activity not permitted in these areas. N/A N/A N/A N/A N/A N/A Sensitive Land Impacts: Impacts on land ide of biodiversity / conservation significance or management. Includes Coastal Wetlands an Planning Policy (Resilience and Hazards) 20 Activity not permitted in these areas. N/A N/A	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for the concern of the concern? Are further studies	ance designated under the Ramsar y important wetland in the Directory of N/A N/A N/A or ranking ronmental planning instrument as being nmental conservation, protection and/or ests under State Environmental

How resilient is the environment to	N/A	What is the	N/A
cope with impacts?		level of	
		public	
		concern?	
Can the impacts be reversed?	N/A	Ranking of	
		potential	
		significance	
Can the impacts be mitigated?	N/A	Justification for	or ranking
Do the operations comply with	N/A		
standards, plans, policies?			
Criteria	Sensitive Land Impacts: Impacts on Aborigir		
	objects under the National Parks and Wildlife	e Act 1974 b. A	reas of Aboriginal cultural significance
	identified in an environmental planning instru	ıment.	
Potential impacts	Activity not permitted in these areas.		
Proposed management controls	N/A		
Duration	N/A		
Application ranking			
What is the confidence in	N/A	Are further	N/A
predicting impacts?		studies	
		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	N/A	What is the	N/A
cope with impacts?		level of	
		public	
	N/A	concern?	
Can the impacts be reversed?	N/A	Ranking of	
		potential	
	A1/A	significance	
Can the impacts be mitigated?	N/A	Justification for	or ranking
Do the operations comply with	N/A		
standards, plans, policies?			All a second and a second a second and a second a second and a second a second and a second and a second and a second and
Criteria	Sensitive Land Impacts: Impacts on heritage		
	and internationally recognised heritage sites		
	Commonwealth Heritage List) b. Items liste conservation areas identified in an environm		
Potential impacts	CEA activities not permitted in these areas.	entai pianining ini	strument
Proposed management controls	N/A		
Duration Controls	N/A		
Application ranking	IN/A		
What is the confidence in	N/A	Are further	N/A
predicting impacts?	N/A	studies	IN/A
predicting impacts:		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	N/A	What is the	N/A
cope with impacts?		level of	
		public	
		concern?	
Can the impacts be reversed?	N/A	Ranking of	
		potential	
		significance	
Can the impacts be mitigated?	N/A	Justification for	or ranking
Do the operations comply with	N/A		
standards, plans, policies?			
Criteria	Sensitive Land Impacts: Impacts on commun		d under the Local Government Act
	1993 (for which a plan of management has b	peen prepared)	
		roon proparou).	
Potential impacts	Activity not permitted in these areas.	, , , , , , , , , , , , , , , , , , ,	
Proposed management controls	Activity not permitted in these areas. N/A		
Proposed management controls Duration	Activity not permitted in these areas.	roon proparoay.	
Proposed management controls Duration Application ranking	Activity not permitted in these areas. N/A N/A	, , , , , , , , , , , , , , , , , , ,	
Proposed management controls Duration Application ranking What is the confidence in	Activity not permitted in these areas. N/A	Are further	N/A
Proposed management controls Duration Application ranking	Activity not permitted in these areas. N/A N/A	Are further studies	N/A
Proposed management controls Duration Application ranking What is the confidence in	Activity not permitted in these areas. N/A N/A	Are further studies required on	N/A
Proposed management controls Duration Application ranking What is the confidence in	Activity not permitted in these areas. N/A N/A	Are further studies required on impacts or	N/A
Proposed management controls Duration Application ranking What is the confidence in predicting impacts?	Activity not permitted in these areas. N/A N/A N/A N/A	Are further studies required on impacts or mitigation?	
Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to	Activity not permitted in these areas. N/A N/A	Are further studies required on impacts or mitigation?	N/A
Proposed management controls Duration Application ranking What is the confidence in predicting impacts?	Activity not permitted in these areas. N/A N/A N/A N/A	Are further studies required on impacts or mitigation? What is the level of	
Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to	Activity not permitted in these areas. N/A N/A N/A N/A	Are further studies required on impacts or mitigation? What is the level of public	
Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	Activity not permitted in these areas. N/A N/A N/A N/A N/A	Are further studies required on impacts or mitigation? What is the level of public concern?	
Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to	Activity not permitted in these areas. N/A N/A N/A N/A	Are further studies required on impacts or mitigation? What is the level of public concern?	
Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	Activity not permitted in these areas. N/A N/A N/A N/A N/A	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	
Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	Activity not permitted in these areas. N/A N/A N/A N/A N/A	Are further studies required on impacts or mitigation? What is the level of public concern?	N/A

Do the operations comply with standards, plans, policies?	N/A			
Criteria	Sensitive Land Impacts: Impacts on bushfire prone areas.			
Potential impacts	Plant and machinery may be an ignition source.			
Proposed management controls	Category 2 Bushfire prone land (low risk) in N section of proposed drilling area. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code including undertaking a risk assessment and implementing suitable controls to manage risks (e.g. implementation of controls on activities during Extreme or Catastrophic Fire Conditions will largely negate risk). Activities must comply with WHS legislative requirements. Any existing/proposed access tracks can be used as firebreaks in event of fire.			
Duration	Short term			
Application ranking				
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No	
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?	Medium	
Can the impacts be reversed?	Yes	Ranking of potential significance	Low	
Can the impacts be mitigated?	Fully	Justification f	or ranking	
Do the operations comply with standards, plans, policies?	Yes			
Potential impacts	community, including changes to workforce change in demand for community resources labour force). Limited potential for any significant change in Negligible impacts and only localised change Minimal increase in demand for accommoda enough to warrant significant changes in sup ACCESS Existing farm tracks and open but un-croppe regrowth and shrubs may need to be disturb	(eg community for the demographes in demand for tition, food, mechapply.	community services and solutions are services and solutions are services and solutions are services. community resources. anical and fuel supplies, etc. Not large one used for access, however some	
Proposed management controls	Negligible impacts likely due to low personne Generally positive for suppliers of services a			
Duration	Short term			
Application ranking				
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No	
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?	Low	
Can the impacts be reversed?	Yes	Ranking of potential significance	Low	
Can the impacts be mitigated?	Fully	Justification f	or ranking	
Do the operations comply with standards, plans, policies? Criteria	Yes Social Impacts: Any environmental impact th			
	community (including loss of facilities or loss	of community id	entity).	

Potential impacts	Environmental impacts from activities not of a nature to cause any significant or long term change or disruption to community.			
	Areas used for exploration activities, temporarily removed from natural systems and / community use.			
	Short term noise, air quality and visual impar AIR This program is very unlikely to have signific		impacts on air quality. Dust will be	
	minimised using the cyclone's dust suppress TIMING/NOISE	sion system.		
	7 days per week, 12 hours per day RC drillir 1/6/2024 -9/4/2029 The nearest habited sensitive receiver is a h		· ·	
	o take place. Work will need to be public holidays to maintain the integrity otential abandonment of the drill hole. Iders and will continue to be discussed			
Proposed management controls	Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include minimising potential impacts on all aspects of the environment (including water, land, air). All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any boreholes).			
Duration	Short term			
Application ranking				
What is the confidence in predicting impacts?	High	Are further studies	No	
		required on impacts or mitigation?		
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?	Low	
Can the impacts be reversed?	Yes	Ranking of potential significance	Low	
Can the impacts be mitigated?	Partly	Justification f	ı or ranking	
Do the operations comply with standards, plans, policies?	Yes	Gustinoution	or running	
Criteria	Social Impacts: Any impacts which result in disadvantaged (e.g. change to community fa	cilities, services	or labour force).	
Potential impacts	Impacts from activities not of a nature to cau community.	ise any significan	it or long term change or disruption to	
	Limited potential to significantly impact on individuals or communities - short term in			
	Areas used for exploration activities, temporarily removed from natural systems and / comm use.			
	Short term noise, air quality and visual impacts. AIR This program is very unlikely to have significant or long term impacts on air quality. Dust will be			
	minimised using the cyclone's dust suppression system. TIMING/NOISE 7 days per week, 12 hours per day RC drilling, 24 hours possible for Diamond drilling			
	1/6/2024 -9/4/2029 The nearest habited sensitive receiver is a h		· ·	
	The nearest habited sensitive receiver is a homestead located approximately 4km from the polygon boundary. A toolbox meeting for first half hour prior to operation will also take place. Work will need carried out during these operational hours on weekends and public holidays to maintain the drill hole, prevent caving of the drill hole and prevent potential abandonment of the These hours of operation have been agreed to by the landholders and will continue to be with the landholders throughout the program.		public holidays to maintain the integrity otential abandonment of the drill hole.	

Proposed management controls	A stinition manual annual contitle CEA Langtion De				
Duration	Activities must comply with CEA Location Remust comply with (Exploration Code of Pract commitment in the application (APO). Relevelements of the environment (water, land, so be rehabilitated in accordance with title condested to the condested of the condested o	tice: Environment vant requirements oil, air), culture ar litions (Exploration e after completion ments and compe	tal Management) as per the softhis Code include protection of all ad heritage. All disturbed areas to con Code of Practice: Rehabilitation). In of activity. Legislative insation limit any potential impacts.		
Application ranking					
What is the confidence in	High	Are further	No		
predicting impacts?	l ngn	studies			
producting impacts:		required on			
		impacts or			
		mitigation?			
How resilient is the environment to	High Resilience	What is the	Low		
cope with impacts?	Thigh the emeries	level of	2011		
cope with impacts:		public			
		concern?			
Can the impacts be reversed?	Yes	Ranking of	Low		
can the impacts be reversed?	res		LOW		
		potential			
		significance			
Can the impacts be mitigated?	Fully	Justification f	or ranking		
Do the operations comply with	Yes				
standards, plans, policies?					
Criteria	Social Impacts: Any impacts on the health, s				
	caused by factors such as pollution, odour, r	noise, vibration, li	ghting, visual impacts, etc).		
Potential impacts	Activities not of a nature to cause any signific	cant or long term	health, safety, privacy or welfare		
	impacts.				
	Limited potential to significantly impact on in	dividuals or com	munities - short term impacts only		
	,,,,,,,,,				
	Short term and temporary noise, air quality a	and visual impact	s		
	AIR	ina vioaai iiipaot	.		
	This program is very unlikely to have signific	ant or long torm	impacts on air quality. Dust will be		
	minimised using the cyclone's dust suppress		impacts on all quality. Dust will be		
		sion system.			
	TIMING/NOISE	0.4.1	31. C D: 1.130		
	7 days per week, 12 hours per day RC drillin	ig, 24 hours poss	sible for Diamond drilling		
		1/6/2024 -9/4/2029			
	The nearest habited sensitive receiver is a homestead located approximately 4km from the drill				
		omestead locate	d approximately 4km from the drill		
	The nearest habited sensitive receiver is a h polygon boundary.	omestead locate	d approximately 4km from the drill		
	polygon boundary. A toolbox meeting for first half hour prior to c	pperation will also	take place. Work will need to be		
	polygon boundary.	pperation will also	take place. Work will need to be		
	polygon boundary. A toolbox meeting for first half hour prior to carried out during these operational hours or	pperation will also n weekends and	o take place. Work will need to be public holidays to maintain the integrity		
	polygon boundary. A toolbox meeting for first half hour prior to carried out during these operational hours or of the drill hole, prevent caving of the drill ho	pperation will also n weekends and le and prevent po	o take place. Work will need to be public holidays to maintain the integrity otential abandonment of the drill hole.		
	polygon boundary. A toolbox meeting for first half hour prior to carried out during these operational hours or of the drill hole, prevent caving of the drill hold. These hours of operation have been agreed	operation will also n weekends and le and prevent po to by the landho	o take place. Work will need to be public holidays to maintain the integrity otential abandonment of the drill hole.		
	polygon boundary. A toolbox meeting for first half hour prior to carried out during these operational hours or of the drill hole, prevent caving of the drill ho	operation will also n weekends and le and prevent po to by the landho	o take place. Work will need to be public holidays to maintain the integrity otential abandonment of the drill hole.		
Proposed management controls	polygon boundary. A toolbox meeting for first half hour prior to carried out during these operational hours or of the drill hole, prevent caving of the drill ho These hours of operation have been agreed with the landholders throughout the program	operation will also n weekends and le and prevent po to by the landho	o take place. Work will need to be public holidays to maintain the integrity otential abandonment of the drill hole. Iders and will continue to be discussed		
Proposed management controls	polygon boundary. A toolbox meeting for first half hour prior to carried out during these operational hours or of the drill hole, prevent caving of the drill ho These hours of operation have been agreed with the landholders throughout the program Activities must comply with CEA Location Re	operation will also n weekends and le and prevent po to by the landho n. estrictions, Impac	take place. Work will need to be public holidays to maintain the integrity otential abandonment of the drill hole. Iders and will continue to be discussed of thresholds and Criteria. Activities		
Proposed management controls	polygon boundary. A toolbox meeting for first half hour prior to carried out during these operational hours or of the drill hole, prevent caving of the drill ho These hours of operation have been agreed with the landholders throughout the program Activities must comply with CEA Location Remust comply with (Exploration Code of Pract	operation will also n weekends and le and prevent po to by the landho l. estrictions, Impac tice: Environmen	take place. Work will need to be public holidays to maintain the integrity otential abandonment of the drill hole. Iders and will continue to be discussed of the tribute and Criteria. Activities tal Management) as per the		
Proposed management controls	polygon boundary. A toolbox meeting for first half hour prior to carried out during these operational hours or of the drill hole, prevent caving of the drill ho These hours of operation have been agreed with the landholders throughout the program Activities must comply with CEA Location Remust comply with (Exploration Code of Practice Commitment in the application (APO). Relev	operation will also n weekends and le and prevent po to by the landho n. estrictions, Impactice: Environments	o take place. Work will need to be public holidays to maintain the integrity of the drill hole. Iders and will continue to be discussed of the tribute and Criteria. Activities tal Management) as per the sof this Code include protection of all		
Proposed management controls	polygon boundary. A toolbox meeting for first half hour prior to carried out during these operational hours or of the drill hole, prevent caving of the drill hot These hours of operation have been agreed with the landholders throughout the program Activities must comply with CEA Location Remust comply with (Exploration Code of Practicommitment in the application (APO). Relevelements of the environment (water, land, so	operation will also n weekends and le and prevent po to by the landho n. estrictions, Impac tice: Environment yant requirements oil, air), culture ar	o take place. Work will need to be public holidays to maintain the integrity otential abandonment of the drill hole. Iders and will continue to be discussed at Thresholds and Criteria. Activities tal Management) as per the sof this Code include protection of all and heritage. All disturbed areas to		
Proposed management controls	polygon boundary. A toolbox meeting for first half hour prior to carried out during these operational hours or of the drill hole, prevent caving of the drill ho These hours of operation have been agreed with the landholders throughout the program Activities must comply with CEA Location Remust comply with (Exploration Code of Pract commitment in the application (APO). Relevelements of the environment (water, land, so be rehabilitated in accordance with title conditions.	operation will also n weekends and le and prevent po to by the landho n. estrictions, Impac tice: Environment rant requirements oil, air), culture ar litions (Exploratio	o take place. Work will need to be public holidays to maintain the integrity otential abandonment of the drill hole. Idders and will continue to be discussed of the transport o		
Proposed management controls	polygon boundary. A toolbox meeting for first half hour prior to carried out during these operational hours or of the drill hole, prevent caving of the drill ho These hours of operation have been agreed with the landholders throughout the program Activities must comply with CEA Location Remust comply with (Exploration Code of Pract commitment in the application (APO). Relevelements of the environment (water, land, so be rehabilitated in accordance with title cond Rehabilitation to occur as soon as practicable)	operation will also n weekends and le and prevent po to by the landho estrictions, Impactice: Environment rant requirements oil, air), culture ar litions (Exploratic e after completio	take place. Work will need to be public holidays to maintain the integrity otential abandonment of the drill hole. Iders and will continue to be discussed of the tribute of		
Proposed management controls	polygon boundary. A toolbox meeting for first half hour prior to carried out during these operational hours or of the drill hole, prevent caving of the drill ho These hours of operation have been agreed with the landholders throughout the program Activities must comply with CEA Location Remust comply with (Exploration Code of Pract commitment in the application (APO). Relevelements of the environment (water, land, so be rehabilitated in accordance with title cond Rehabilitation to occur as soon as practicabl requirement for landholder access arrangement.	operation will also n weekends and ale and prevent pot to by the landho betrictions, Impact tice: Environment ant requirements oil, air), culture ar ditions (Exploration e after completion	o take place. Work will need to be public holidays to maintain the integrity otential abandonment of the drill hole. Idders and will continue to be discussed of the transport o		
Proposed management controls	polygon boundary. A toolbox meeting for first half hour prior to carried out during these operational hours or of the drill hole, prevent caving of the drill ho These hours of operation have been agreed with the landholders throughout the program Activities must comply with CEA Location Remust comply with (Exploration Code of Pract commitment in the application (APO). Relevelements of the environment (water, land, so be rehabilitated in accordance with title cond Rehabilitation to occur as soon as practicabl requirement for landholder access arrangem Compensation under Mining Act available to	operation will also n weekends and ale and prevent pot to by the landho betrictions, Impact tice: Environment ant requirements oil, air), culture ar ditions (Exploration e after completion	o take place. Work will need to be public holidays to maintain the integrity otential abandonment of the drill hole. Idders and will continue to be discussed of the transport o		
Proposed management controls	polygon boundary. A toolbox meeting for first half hour prior to carried out during these operational hours or of the drill hole, prevent caving of the drill ho These hours of operation have been agreed with the landholders throughout the program Activities must comply with CEA Location Remust comply with (Exploration Code of Practic commitment in the application (APO). Relevelements of the environment (water, land, so be rehabilitated in accordance with title cond Rehabilitation to occur as soon as practicabl requirement for landholder access arrangem Compensation under Mining Act available to WHS legislative requirements.	operation will also n weekends and ale and prevent pot to by the landho betrictions, Impact tice: Environment ant requirements oil, air), culture ar ditions (Exploration e after completion	o take place. Work will need to be public holidays to maintain the integrity otential abandonment of the drill hole. Idders and will continue to be discussed of the transport o		
Duration	polygon boundary. A toolbox meeting for first half hour prior to carried out during these operational hours or of the drill hole, prevent caving of the drill ho These hours of operation have been agreed with the landholders throughout the program Activities must comply with CEA Location Remust comply with (Exploration Code of Pract commitment in the application (APO). Relevelements of the environment (water, land, so be rehabilitated in accordance with title cond Rehabilitation to occur as soon as practicabl requirement for landholder access arrangem Compensation under Mining Act available to	operation will also n weekends and ale and prevent pot to by the landho betrictions, Impact tice: Environment ant requirements oil, air), culture ar ditions (Exploration e after completion	o take place. Work will need to be public holidays to maintain the integrity otential abandonment of the drill hole. Idders and will continue to be discussed of the transport o		
· •	polygon boundary. A toolbox meeting for first half hour prior to carried out during these operational hours or of the drill hole, prevent caving of the drill ho These hours of operation have been agreed with the landholders throughout the program Activities must comply with CEA Location Remust comply with (Exploration Code of Practic commitment in the application (APO). Relevelements of the environment (water, land, so be rehabilitated in accordance with title cond Rehabilitation to occur as soon as practicabl requirement for landholder access arrangem Compensation under Mining Act available to WHS legislative requirements.	operation will also n weekends and ale and prevent pot to by the landho betrictions, Impact tice: Environment ant requirements oil, air), culture ar ditions (Exploration e after completion	o take place. Work will need to be public holidays to maintain the integrity otential abandonment of the drill hole. Idders and will continue to be discussed of the transport o		
Duration	polygon boundary. A toolbox meeting for first half hour prior to carried out during these operational hours or of the drill hole, prevent caving of the drill ho These hours of operation have been agreed with the landholders throughout the program Activities must comply with CEA Location Remust comply with (Exploration Code of Practic commitment in the application (APO). Relevelements of the environment (water, land, so be rehabilitated in accordance with title cond Rehabilitation to occur as soon as practicabl requirement for landholder access arrangem Compensation under Mining Act available to WHS legislative requirements.	operation will also n weekends and ale and prevent pot to by the landho betrictions, Impact tice: Environment ant requirements oil, air), culture ar ditions (Exploration e after completion	o take place. Work will need to be public holidays to maintain the integrity otential abandonment of the drill hole. Idders and will continue to be discussed of the transport o		
Duration Application ranking	polygon boundary. A toolbox meeting for first half hour prior to carried out during these operational hours or of the drill hole, prevent caving of the drill ho These hours of operation have been agreed with the landholders throughout the program Activities must comply with CEA Location Remust comply with (Exploration Code of Practicommitment in the application (APO). Relevelements of the environment (water, land, so be rehabilitated in accordance with title conditional requirement for landholder access arrangem Compensation under Mining Act available to WHS legislative requirements. Short term	operation will also n weekends and le and prevent po to by the landho lestrictions, Impact tice: Environment vant requirements oil, air), culture ar litions (Exploratic e after completion ments and comper	o take place. Work will need to be public holidays to maintain the integrity otential abandonment of the drill hole. Idders and will continue to be discussed of the trends and Criteria. Activities tal Management) as per the soft his Code include protection of all and heritage. All disturbed areas to on Code of Practice: Rehabilitation). In of activity. Legislative insation limit any potential impacts. Insation. Activities must comply with		
Duration Application ranking What is the confidence in	polygon boundary. A toolbox meeting for first half hour prior to carried out during these operational hours or of the drill hole, prevent caving of the drill ho These hours of operation have been agreed with the landholders throughout the program Activities must comply with CEA Location Remust comply with (Exploration Code of Practicommitment in the application (APO). Relevelements of the environment (water, land, so be rehabilitated in accordance with title conditional requirement for landholder access arrangem Compensation under Mining Act available to WHS legislative requirements. Short term	pperation will also n weekends and ile and prevent pot to by the landho i estrictions, Impac- tice: Environment vant requirements oil, air), culture ar litions (Exploratic e after completio tents and comper mitigate comper	o take place. Work will need to be public holidays to maintain the integrity otential abandonment of the drill hole. Idders and will continue to be discussed of the trends and Criteria. Activities tal Management) as per the soft his Code include protection of all and heritage. All disturbed areas to on Code of Practice: Rehabilitation). In of activity. Legislative insation limit any potential impacts. Insation. Activities must comply with		
Duration Application ranking What is the confidence in	polygon boundary. A toolbox meeting for first half hour prior to carried out during these operational hours or of the drill hole, prevent caving of the drill ho These hours of operation have been agreed with the landholders throughout the program Activities must comply with CEA Location Remust comply with (Exploration Code of Practicommitment in the application (APO). Relevelements of the environment (water, land, so be rehabilitated in accordance with title conditional requirement for landholder access arrangem Compensation under Mining Act available to WHS legislative requirements. Short term	pperation will also n weekends and le and prevent pour to by the landho n. estrictions, Impac- tice: Environment vant requirements oil, air), culture ar litions (Exploration e after completion ments and compen mitigate comper	o take place. Work will need to be public holidays to maintain the integrity otential abandonment of the drill hole. Idders and will continue to be discussed of the trends and Criteria. Activities tal Management) as per the soft his Code include protection of all and heritage. All disturbed areas to on Code of Practice: Rehabilitation). In of activity. Legislative insation limit any potential impacts. Insation. Activities must comply with		
Duration Application ranking What is the confidence in	polygon boundary. A toolbox meeting for first half hour prior to carried out during these operational hours or of the drill hole, prevent caving of the drill ho These hours of operation have been agreed with the landholders throughout the program Activities must comply with CEA Location Remust comply with (Exploration Code of Practicommitment in the application (APO). Relevelements of the environment (water, land, so be rehabilitated in accordance with title conditional requirement for landholder access arrangem Compensation under Mining Act available to WHS legislative requirements. Short term	pperation will also be weekends and alle and prevent put to by the landho in the strictions, Impactice: Environment and requirements oil, air), culture arbitions (Exploration e after completion ents and compensation in the studies required on impacts or	o take place. Work will need to be public holidays to maintain the integrity otential abandonment of the drill hole. Idders and will continue to be discussed of the trends and Criteria. Activities tal Management) as per the soft his Code include protection of all and heritage. All disturbed areas to on Code of Practice: Rehabilitation). In of activity. Legislative insation limit any potential impacts. Insation. Activities must comply with		
Duration Application ranking What is the confidence in predicting impacts?	polygon boundary. A toolbox meeting for first half hour prior to carried out during these operational hours or of the drill hole, prevent caving of the drill hol These hours of operation have been agreed with the landholders throughout the program. Activities must comply with CEA Location Remust comply with (Exploration Code of Pract commitment in the application (APO). Relevelements of the environment (water, land, so be rehabilitated in accordance with title cond Rehabilitation to occur as soon as practicabl requirement for landholder access arrangem Compensation under Mining Act available to WHS legislative requirements. Short term	peration will also be weekends and alle and prevent put to by the landho be strictions, Impactice: Environment and requirements oil, air), culture arbitions (Exploratice after completion and compermitigate compermitigate compermitigate compermitigate on impacts or mitigation?	o take place. Work will need to be public holidays to maintain the integrity oftential abandonment of the drill hole. Idders and will continue to be discussed of the transport of the drill hole. Idders and will continue to be discussed of the transport of the drill described and Criteria. Activities tal Management) as per the soft of this Code include protection of all and heritage. All disturbed areas to on Code of Practice: Rehabilitation). In of activity. Legislative insation limit any potential impacts. Insation. Activities must comply with		
Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to	polygon boundary. A toolbox meeting for first half hour prior to carried out during these operational hours or of the drill hole, prevent caving of the drill ho These hours of operation have been agreed with the landholders throughout the program Activities must comply with CEA Location Remust comply with (Exploration Code of Practicommitment in the application (APO). Relevelements of the environment (water, land, so be rehabilitated in accordance with title conditional requirement for landholder access arrangem Compensation under Mining Act available to WHS legislative requirements. Short term	peration will also be weekends and alle and prevent put to by the landho be strictions, Impactice: Environment and requirements oil, air), culture arbitions (Exploratice after completion and competents are further studies required on impacts or mitigation?	o take place. Work will need to be public holidays to maintain the integrity otential abandonment of the drill hole. Idders and will continue to be discussed of the trends and Criteria. Activities tal Management) as per the soft his Code include protection of all and heritage. All disturbed areas to on Code of Practice: Rehabilitation). In of activity. Legislative insation limit any potential impacts. Insation. Activities must comply with		
Duration Application ranking What is the confidence in predicting impacts?	polygon boundary. A toolbox meeting for first half hour prior to carried out during these operational hours or of the drill hole, prevent caving of the drill hol These hours of operation have been agreed with the landholders throughout the program. Activities must comply with CEA Location Remust comply with (Exploration Code of Pract commitment in the application (APO). Relevelements of the environment (water, land, so be rehabilitated in accordance with title cond Rehabilitation to occur as soon as practicabl requirement for landholder access arrangem Compensation under Mining Act available to WHS legislative requirements. Short term	peration will also be weekends and alle and prevent posts to by the landhown. Destrictions, Impactice: Environment requirements oil, air), culture arbitions (Exploratice after completion and competents and competents and competents and competents are competents and competents are further studies. Are further studies required on impacts or mitigation? What is the level of	o take place. Work will need to be public holidays to maintain the integrity oftential abandonment of the drill hole. Idders and will continue to be discussed of the transport of the drill hole. Idders and will continue to be discussed of the transport of the drill described and Criteria. Activities tal Management) as per the soft of this Code include protection of all and heritage. All disturbed areas to on Code of Practice: Rehabilitation). In of activity. Legislative insation limit any potential impacts. Insation. Activities must comply with		
Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to	polygon boundary. A toolbox meeting for first half hour prior to carried out during these operational hours or of the drill hole, prevent caving of the drill hol These hours of operation have been agreed with the landholders throughout the program. Activities must comply with CEA Location Remust comply with (Exploration Code of Pract commitment in the application (APO). Relevelements of the environment (water, land, so be rehabilitated in accordance with title cond Rehabilitation to occur as soon as practicabl requirement for landholder access arrangem Compensation under Mining Act available to WHS legislative requirements. Short term	peration will also be weekends and alle and prevent pot to by the landhown. Destrictions, Impactice: Environment requirements oil, air), culture and itions (Exploratice after completion and competents	o take place. Work will need to be public holidays to maintain the integrity oftential abandonment of the drill hole. Idders and will continue to be discussed of the transport of the drill hole. Idders and will continue to be discussed of the transport of the drill had been confused by the transport of the drill had been confused by the transport of the transpo		
Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	polygon boundary. A toolbox meeting for first half hour prior to carried out during these operational hours or of the drill hole, prevent caving of the drill ho These hours of operation have been agreed with the landholders throughout the program Activities must comply with CEA Location Remust comply with (Exploration Code of Pract commitment in the application (APO). Relevelements of the environment (water, land, so be rehabilitated in accordance with title cond Rehabilitation to occur as soon as practicabl requirement for landholder access arrangem Compensation under Mining Act available to WHS legislative requirements. Short term N/A	peration will also be weekends and alle and prevent pot to by the landhown with a strictions, Impactice: Environment and requirements and competents and com	take place. Work will need to be public holidays to maintain the integrity otential abandonment of the drill hole. Iders and will continue to be discussed at Thresholds and Criteria. Activities tal Management) as per the sof this Code include protection of all and heritage. All disturbed areas to on Code of Practice: Rehabilitation). In of activity. Legislative insation limit any potential impacts. Insation. Activities must comply with		
Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to	polygon boundary. A toolbox meeting for first half hour prior to carried out during these operational hours or of the drill hole, prevent caving of the drill hol These hours of operation have been agreed with the landholders throughout the program. Activities must comply with CEA Location Remust comply with (Exploration Code of Pract commitment in the application (APO). Relevelements of the environment (water, land, so be rehabilitated in accordance with title cond Rehabilitation to occur as soon as practicabl requirement for landholder access arrangem Compensation under Mining Act available to WHS legislative requirements. Short term	peration will also be weekends and le and prevent put to by the landhown with a strictions, Impactice: Environment and requirements oil, air), culture arbitions (Exploratice after completionents and compendents are studies required on impacts or mitigation? What is the level of public concern?	o take place. Work will need to be public holidays to maintain the integrity oftential abandonment of the drill hole. Idders and will continue to be discussed of the transport of the drill hole. Idders and will continue to be discussed of the transport of the drill had been confused by the transport of the drill had been confused by the transport of the transpo		
Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	polygon boundary. A toolbox meeting for first half hour prior to carried out during these operational hours or of the drill hole, prevent caving of the drill ho These hours of operation have been agreed with the landholders throughout the program Activities must comply with CEA Location Remust comply with (Exploration Code of Pract commitment in the application (APO). Relevelements of the environment (water, land, so be rehabilitated in accordance with title cond Rehabilitation to occur as soon as practicabl requirement for landholder access arrangem Compensation under Mining Act available to WHS legislative requirements. Short term N/A	peration will also be weekends and le and prevent put to by the landhown will also be trictions, Impactice: Environment and requirements oil, air), culture arbitions (Exploratice after completion and compensation and compensation and compensation arbitions of the further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	take place. Work will need to be public holidays to maintain the integrity otential abandonment of the drill hole. Iders and will continue to be discussed at Thresholds and Criteria. Activities tal Management) as per the sof this Code include protection of all and heritage. All disturbed areas to an Code of Practice: Rehabilitation). In of activity. Legislative insation limit any potential impacts. Insation. Activities must comply with		
Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed?	polygon boundary. A toolbox meeting for first half hour prior to carried out during these operational hours or of the drill hole, prevent caving of the drill ho These hours of operation have been agreed with the landholders throughout the program Activities must comply with CEA Location Remust comply with (Exploration Code of Pract commitment in the application (APO). Relevelements of the environment (water, land, so be rehabilitated in accordance with title cond Rehabilitation to occur as soon as practicabl requirement for landholder access arrangem Compensation under Mining Act available to WHS legislative requirements. Short term N/A	peration will also be weekends and le and prevent put to by the landhown will also be trictions, Impactice: Environment and requirements oil, air), culture arbitions (Exploratice after completion and compensitions and compensitions and compensitions and compensitions and compensitions are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	take place. Work will need to be public holidays to maintain the integrity of tential abandonment of the drill hole. Iders and will continue to be discussed at Thresholds and Criteria. Activities tal Management) as per the softhis Code include protection of all ad heritage. All disturbed areas to on Code of Practice: Rehabilitation). In of activity. Legislative insation limit any potential impacts. Insation. Activities must comply with		
Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	polygon boundary. A toolbox meeting for first half hour prior to carried out during these operational hours or of the drill hole, prevent caving of the drill ho These hours of operation have been agreed with the landholders throughout the program Activities must comply with CEA Location Remust comply with (Exploration Code of Pract commitment in the application (APO). Relevelements of the environment (water, land, so be rehabilitated in accordance with title cond Rehabilitation to occur as soon as practicabl requirement for landholder access arrangem Compensation under Mining Act available to WHS legislative requirements. Short term N/A	peration will also be weekends and le and prevent put to by the landhown will also be trictions, Impactice: Environment and requirements oil, air), culture arbitions (Exploratice after completion and compensation and compensation and compensation arbitions of the further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	take place. Work will need to be public holidays to maintain the integrity of tential abandonment of the drill hole. Iders and will continue to be discussed at Thresholds and Criteria. Activities tal Management) as per the softhis Code include protection of all ad heritage. All disturbed areas to on Code of Practice: Rehabilitation). In of activity. Legislative insation limit any potential impacts. Insation. Activities must comply with		
Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed?	polygon boundary. A toolbox meeting for first half hour prior to carried out during these operational hours or of the drill hole, prevent caving of the drill ho These hours of operation have been agreed with the landholders throughout the program Activities must comply with CEA Location Remust comply with (Exploration Code of Pract commitment in the application (APO). Relevelements of the environment (water, land, so be rehabilitated in accordance with title cond Rehabilitation to occur as soon as practicabl requirement for landholder access arrangem Compensation under Mining Act available to WHS legislative requirements. Short term N/A	peration will also be weekends and le and prevent put to by the landhown will also be trictions, Impactice: Environment and requirements oil, air), culture arbitions (Exploratice after completion and compensitions and compensitions and compensitions and compensitions and compensitions are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	take place. Work will need to be public holidays to maintain the integrity of tential abandonment of the drill hole. Iders and will continue to be discussed at Thresholds and Criteria. Activities tal Management) as per the softhis Code include protection of all ad heritage. All disturbed areas to on Code of Practice: Rehabilitation). In of activity. Legislative insation limit any potential impacts. Insation. Activities must comply with		

Criteria	Social Impacts: Effect on a locality, place or building having aesthetic, anthropological, archaeological, architectural, cultural, historical, scientific or social significance or other special value for present or future generations?				
Potential impacts	Negligible potential to effect a locality, place or building having aesthetic, anthropological, archaeological, architectural, cultural, historical, scientific or social significance or other special value due to location restrictions of a CEA.				
	Short term and temporary impacts only.				
	25km NW from Lake Cargelligo 30 RC/DD holes, to a planned depth of around 100-250m per hole. The drilling is located on flat rocky, relatively low productivity land, which is open with patches shrubs and trees. The land is partly cleared and disturbed by agriculture.				
Proposed management controls	Negligible impacts likely due to low impact of complying exploration activities and temporary nature of exploration. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Impacts limited to immediate vicinity of exploration activity.				
Duration	Short term				
Application ranking	LEst	A	I AL.		
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No		
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?	Low		
Can the impacts be reversed?	Yes	Ranking of potential significance	Low		
Can the impacts be mitigated?	Partly	Justification f	or ranking		
Do the operations comply with	Yes		•		
standards, plans, policies?					
Criteria	Social Impacts: Impacts on communities with				
Potential impacts	Community likely to include members who h exploration program. Short term and tem	nporary impacts o	only.		
Proposed management controls	Short term impacts on the community and properties agreement and any compensation accordance with title conditions (Exploration occur as soon as practicable after completion).	n. All disturbe Code of Practice	ed areas to be rehabilitated in		
Duration	Short term				
Application ranking					
What is the confidence in predicting impacts?	Medium	Are further studies required on impacts or mitigation?	No		
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?	Low		
Can the impacts be reversed?	Yes	Ranking of potential significance	Low		
Can the impacts be mitigated?	Partly	Justification f	or ranking		
Do the operations comply with standards, plans, policies?	Yes				
Criteria	Social Impacts: Impacts on disadvantaged c	ommunities.			
Potential impacts	No negative impacts predicted. The nearest habited sensitive receiver is a hopolygon boundary.		o take place. Work will need to be		
	carried out during these operational hours of of the drill hole, prevent caving of the drill ho These hours of operation have been agreed with the landholders throughout the program	n weekends and le and prevent po to by the landho	otential abandonment of the drill hole.		

Proposed management controls	Short term impacts on the community and properties and any compensation accordance with title conditions (Exploration accounts as soon as practicable after completions).	n. All disturbe Code of Practice	ed areas to be rehabilitated in
Duration	occur as soon as practicable after completion of activity. Short term		
Application ranking	Short term		
What is the confidence in	Lliab	Are further	No
	High	1 0	NO
predicting impacts?		studies	
		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	High Resilience	What is the	Low
cope with impacts?		level of	
		public	
		concern?	
Can the impacts be reversed?	Yes	Ranking of	Low
		potential	
		significance	
Can the impacts be mitigated?	Fully	Justification f	or ranking
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Economic Impacts: Any impacts which may	affect economic	activity (positive or negative), including
	a decrease to net economic welfare.		
Potential impacts			nand for accommodation, food,
	mechanical and fuel supplies, etc. Not large		
Proposed management controls	Negligible impacts likely due to low personne		
	Generally positive for suppliers of services a	and goods utilised	1.
Duration	Short term		
Application ranking			
What is the confidence in	High	Are further	No
predicting impacts?		studies	
		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	High Resilience	What is the	Low
cope with impacts?	g	level of	
		public	
		concern?	
Can the impacts be reversed?	Yes	Ranking of	Low
can the impacto so reversed i	100	potential	2011
		significance	
Can the impacts be mitigated?	Fully	Justification f	or ranking
Do the operations comply with	Yes	- Guotinioution i	or raining
standards, plans, policies?	163		
Criteria	Economic Impacts: Any impacts that result in	I n a decrease in tl	he economic stability of the community
Potential impacts	Activities not of a scale to warrant changes i		Temporary increase in demand will
	result in increased income for some supplier		
Proposed management controls	Negligible impacts likely due to low personne		
	Generally positive for suppliers of services a	ind goods utilised	1.
Duration	Short term		
Application ranking			
What is the confidence in	High	Are further	No
predicting impacts?		studies	
		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	High Resilience	What is the	Low
cope with impacts?		level of	
		public	
		concern?	
Can the impacts be reversed?	Yes	Ranking of	Low
		potential	
		significance	
Can the impacts be mitigated?	Partly	Justification f	or ranking
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Economic Impacts: Any impacts which resul	t in a change to t	he public sector revenue or
	expenditure base.	3 1- 1	
Potential impacts	Rehabilitation security bond covers any future	re public liability f	for rehabilitation. Investment in
	exploration may lead to significant mining in		nited long term negative economic
	impacts from exploration.		
Proposed management controls	Small increase in public revenue associated with exploration, including taxes from wages.		
Duration	Small increase in public revenue associated with exploration, including taxes from wages. Short term		
Daration	Onort torm		

	I			
Application ranking				
What is the confidence in	High	Are further	No	
predicting impacts?		studies		
p		required on		
		impacts or		
		mitigation?		
How resilient is the environment to	High Resilience	What is the	Low	
cope with impacts?		level of		
		public		
		concern?		
Can the impacts be reversed?	Yes	Ranking of	Low	
		potential		
		significance		
Can the impacts be mitigated?	No	Justification f	or ranking	
	Yes	- Custilloution I	or runking	
Do the operations comply with	res			
standards, plans, policies?		I		
Criteria	Heritage Impacts: Any impacts on a locality,	place, landscape	e, building or archaeological relic of	
	heritage significance.			
Potential impacts	Damage to structures and sensitive features	1		
1 otential impacts	Damage to structures and sensitive reatures	·-		
			1 21 2	
	Limited potential to significantly impact on lo	cality, places, lar	idscapes or buildings.	
	Short term noise, air quality and visual impa	cts.		
	. , , , , , , , , , , , , , , , , , , ,			
	Potential for temporary impact on aesthetics	of a locality		
	. Storidar for tomporary impact on acothetics	or a locality.		
	LIEDITAGENII			
	HERITAGE Nil			
	AHIMS Nil recorded. Report indicates 0 sites	s or places.		
Proposed management controls	Activities must comply with CEA Location Re	estrictions Impac	t Thresholds and Criteria. Activities	
r ropossa managoment sont sis	must comply with (Exploration Code of Prac			
	commitment in the application (APO). Relev			
	potential impacts on all aspects of the environment	onment (including	water, land, air), culture and heritage	
	(Aboriginal and Non-Indigenous heritage).	All disturbed a	reas to be rehabilitated in accordance	
	with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any boreholes).			
		ullig sealing of al	ly borenoles).	
Duration	Short term			
Application ranking				
What is the confidence in	N/A	Are further	No	
predicting impacts?	studies			
producting impacts i		required on		
		impacts or		
		mitigation?		
How resilient is the environment to	High Resilience	What is the	Low	
cope with impacts?		level of		
copo man impuoto i		public		
		concern?		
Can the impacts be reversed?	Yes	Ranking of	Low	
		potential		
		significance		
Can the impacts be mitigated?	Partly	Justification f	or ranking	
	,	Justilication I	or ranking	
Do the operations comply with	Yes			
standards, plans, policies?				
		l or scenic lands	cape, including lighting, venting or	
Criteria	Aesthetic Impacts: Any impacts on the visua			
Criteria				
	flaring of gas.		ndecane	
Potential impacts			ndscape.	
	flaring of gas. Limited potential to significantly impact on vi	sual or scenic lar	ndscape.	
	flaring of gas.	sual or scenic lar	ndscape.	
	flaring of gas. Limited potential to significantly impact on vi	sual or scenic lar	ndscape.	
	flaring of gas. Limited potential to significantly impact on vi Short term noise, air quality and visual impa	sual or scenic lar	ndscape.	
	flaring of gas. Limited potential to significantly impact on vi	sual or scenic lar	ndscape.	
	flaring of gas. Limited potential to significantly impact on vi Short term noise, air quality and visual impa Potential for temporary impact on aesthetics	sual or scenic lar cts.	,	
	flaring of gas. Limited potential to significantly impact on vi Short term noise, air quality and visual impa Potential for temporary impact on aesthetics Lighting during night time operations and us	sual or scenic lar cts.	,	
	flaring of gas. Limited potential to significantly impact on vi Short term noise, air quality and visual impa Potential for temporary impact on aesthetics	sual or scenic lar cts.		
	flaring of gas. Limited potential to significantly impact on vi Short term noise, air quality and visual impa Potential for temporary impact on aesthetics Lighting during night time operations and us	sual or scenic lar cts.		
	flaring of gas. Limited potential to significantly impact on vi Short term noise, air quality and visual impa Potential for temporary impact on aesthetics Lighting during night time operations and us	sual or scenic lar cts.		
	flaring of gas. Limited potential to significantly impact on vi Short term noise, air quality and visual impa Potential for temporary impact on aesthetics Lighting during night time operations and us amenity. LANDUSE	sual or scenic lar cts. of a locality. e of access track	s by vehicles at night may affect local	
	flaring of gas. Limited potential to significantly impact on vi Short term noise, air quality and visual impa Potential for temporary impact on aesthetics Lighting during night time operations and us amenity. LANDUSE The planned drilling will take place on a farm	sual or scenic lar cts. of a locality. e of access track	s by vehicles at night may affect local and grazing are both practiced. The	
	flaring of gas. Limited potential to significantly impact on vi Short term noise, air quality and visual impa Potential for temporary impact on aesthetics Lighting during night time operations and us amenity. LANDUSE The planned drilling will take place on a farm planned drill sites will not affect cropping are	sual or scenic lar cts. of a locality. e of access track n, where cropping	s by vehicles at night may affect local g and grazing are both practiced. The ng animals are fenced within the area	
	flaring of gas. Limited potential to significantly impact on vi Short term noise, air quality and visual impa Potential for temporary impact on aesthetics Lighting during night time operations and us amenity. LANDUSE The planned drilling will take place on a farm planned drill sites will not affect cropping are where drilling occurs, there will be no impact	sual or scenic lar cts. cof a locality. e of access track n, where cropping ass. Where grazir t on the animals a	s by vehicles at night may affect local g and grazing are both practiced. The ag animals are fenced within the area as they will be able to move to other	
	flaring of gas. Limited potential to significantly impact on vi Short term noise, air quality and visual impa Potential for temporary impact on aesthetics Lighting during night time operations and us amenity. LANDUSE The planned drilling will take place on a farm planned drill sites will not affect cropping are	sual or scenic lar cts. cof a locality. e of access track n, where cropping ass. Where grazir t on the animals a	s by vehicles at night may affect local g and grazing are both practiced. The ag animals are fenced within the area as they will be able to move to other	
	flaring of gas. Limited potential to significantly impact on vi Short term noise, air quality and visual impa Potential for temporary impact on aesthetics Lighting during night time operations and us amenity. LANDUSE The planned drilling will take place on a farm planned drill sites will not affect cropping are where drilling occurs, there will be no impact parts of the paddock for feeding. All drilling responsible.	sual or scenic lar cts. cof a locality. e of access track n, where cropping ass. Where grazir t on the animals a muds, oils and otl	s by vehicles at night may affect local g and grazing are both practiced. The g animals are fenced within the area as they will be able to move to other her materials will be secured within the	
	flaring of gas. Limited potential to significantly impact on vi Short term noise, air quality and visual impa Potential for temporary impact on aesthetics Lighting during night time operations and us amenity. LANDUSE The planned drilling will take place on a farm planned drill sites will not affect cropping are where drilling occurs, there will be no impact	sual or scenic lar cts. cof a locality. e of access track n, where cropping ass. Where grazir t on the animals a muds, oils and otl	s by vehicles at night may affect local g and grazing are both practiced. The g animals are fenced within the area as they will be able to move to other her materials will be secured within the	

Proposed management controls Duration	Activities must comply with CEA Location Remust comply with (Exploration Code of Pract commitment in the application (APO). Releve potential impacts on all aspects of the environ (Aboriginal and Non-Indigenous heritage). With title conditions (Exploration Code of Practicable after completion of activity (include Short term)	tice: Environmen vant requirements onment (including All disturbed a actice: Rehabilitat	tal Management) as per the sof this Code include minimising water, land, air), culture and heritage reas to be rehabilitated in accordance cion). Rehabilitation to occur as soon as
Application ranking What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?	Low
Can the impacts be reversed?	N/A	Ranking of potential significance	Low
Can the impacts be mitigated?	Fully	Justification f	or ranking
Do the operations comply with	Yes		
standards, plans, policies?		1	
Criteria	Aesthetic Impacts: Areas or items of high ae	l esthatic or scanic	value
Potential impacts	Limited potential to significantly impact on a		
Proposed management controls Duration	Short term noise, air quality and visual impact Potential for temporary impact on aesthetics Lighting during night time operations and use amenity. Exploration activities, including any removal on visual amenity. LANDUSE The planned drilling will take place on a farm planned drill sites will not affect cropping are where drilling occurs, there will be no impact parts of the paddock for feeding. All drilling r support vehicles during the night so that anir Short term impacts predominantly limited to Location Restrictions, Impact Thresholds and Code of Practice: Environmental Manageme Relevant requirements of this Code include environment (including water, land, air), culture the code of Practice: Rehabilitation). Rehabilitation activity (including sealing of any boreholes).	of a locality. e of access track of vegetation and n, where cropping eas. Where grazin t on the animals a muds, oils and oth mals cannot acce immediate site. d Criteria. Accent) as per the co ominimising poten ure and heritage pilitated in accord	d access track locations, may impact g and grazing are both practiced. The ng animals are fenced within the area as they will be able to move to other her materials will be secured within the ess them. Activities must comply with CEA ctivities must comply with (Exploration mmitment in the application (APO). tial impacts on all aspects of the (Aboriginal and Non-Indigenous lance with title conditions (Exploration
Application ranking			
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No
How resilient is the environment to	High Resilience	What is the	Low
cope with impacts?		level of public concern?	
Can the impacts be reversed?	Yes	Ranking of potential significance	Low
Can the impacts be mitigated? Do the operations comply with standards, plans, policies?	Partly Yes	Justification f	-
Criteria	Cultural Impacts: Any disturbance of the grotree).	und surface or a	ny culturally modified trees (e.g. a scar

Potential impacts	Short term ground disturbance.			
	Potential for temporary impact on aesthetics of a locality.			
	AHIMS Nil recorded. Report indicates 0 sites or places			
Proposed management controls	AHIMS Nil recorded. Report indicates 0 sites or places. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities			
r roposed management controls				
	cannot occur on land declared an Aboriginal Place and activities must not harm Aboriginal Object Activities must comply with (Exploration Code of Practice: Environmental Management) as per the			
	commitment in the application (APO). Relev			
	potential impacts on all aspects of the enviro			
	(Aboriginal and Non-Indigenous heritage).		reas to be rehabilitated in accordance	
	with title conditions (Exploration Code of Pra			
	practicable after completion of activity (include	ding sealing of ar	ny boreholes).	
Duration	Short term			
Application ranking	Litale	A was for until a su	Nie	
What is the confidence in	High	Are further	No	
predicting impacts?		studies required on		
		impacts or mitigation?		
How resilient is the environment to	High Resilience	What is the	Medium	
cope with impacts?	Tilgit itesilierice	level of	Wedidiff	
cope with impacts:		public		
		concern?		
Can the impacts be reversed?	Yes	Ranking of	Low	
		potential		
		significance		
Can the impacts be mitigated?	Fully	Justification f	or ranking	
Do the operations comply with standards, plans, policies?	Yes			
Criteria	Cultural Impacts: Any impacts on known Aboriginal objects or Aboriginal places.			
Potential impacts	Short term ground disturbance.			
	Potential for impact on Aboriginal objects and places through ground disturbance, excavation vegetation clearing, etc.			
	AHIMS Nil recorded. Report indicates 0 sites or places. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities			
Proposed management controls				
	cannot occur on land declared an Aboriginal			
	Activities must comply with (Exploration Cod commitment in the application (APO). Relev			
	potential impacts on all aspects of the enviro			
	(Aboriginal and Non-Indigenous heritage).		reas to be rehabilitated in accordance	
	with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any boreholes).			
Duration	Short term	ag ==ag =: a.	., 20.0	
Application ranking				
What is the confidence in	High	Are further	No	
predicting impacts?		studies		
		required on		
		impacts or		
		mitigation?		
How resilient is the environment to	High Resilience	What is the	Medium	
cope with impacts?		level of		
		public		
		concern?		
Can the impacts be reversed?	Yes	Ranking of	Low	
		potential		
Can the impacts be mitigated?	Fully	significance Justification f	or ranking	
Can the impacts be mitigated? Do the operations comply with	Yes	Justinication	or ranking	
standards, plans, policies?	163			
Criteria	Cultural Impacts: Affects areas where the lar	। ndscape features	s indicate the likely presence of	
Detential impacts	Aboriginal objects.			
Potential impacts	Short term ground disturbance.			
	Potential for impact on Aboriginal objects and places through ground disturbance, excavations, vegetation clearing, etc.			
	AHIMS Nil recorded. Report indicates 0 sites	s or places.		

Proposed management controls	Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities cannot occur on land declared an Aboriginal Place and activities must not harm Aboriginal Objects. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include minimising potential impacts on all aspects of the environment (including water, land, air), culture and heritage (Aboriginal and Non-Indigenous heritage). All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any boreholes).		
Duration	Short term		
Application ranking			
			Ι
What is the confidence in predicting impacts?	High	Are further studies required on impacts or	No
		mitigation?	
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?	Medium
Can the impacts be reversed?	Yes	Ranking of potential significance	Low
0 41 1 1	E. II.		
Can the impacts be mitigated?	Fully	Justification f	or ranking
Do the operations comply with standards, plans, policies? Criteria	Yes Cultural Impacts: Affects areas subject to na	tive title claims	ndigenous land use agreements or
Potential impacts	joint management arrangements.		
1 otential impacts	Condition of exploration title/authority prohibits exploration on any land or waters on which Native Title has not been extinguished, unless the prior consent of the Minister has been obtained. Register of Native Claim		
Proposed management controls	Condition of exploration title/authority prohib Title has not been extinguished, unless the particles are the properties.		
Duration	Short term		
Application ranking			
What is the confidence in	High	Are further	No
predicting impacts?	Tiigii	studies required on impacts or mitigation?	
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public	Low
Can the impacts be reversed?	Yes	concern? Ranking of	Low
can allo impacto so rovoloca i		potential significance	2011
Can the impacts be mitigated?	Fully	Justification f	or ranking
Do the operations comply with	Yes		<u> </u>
standards, plans, policies? Criteria	Cultural Impacts: Impacts on Aboriginal com	munities or areas	s subject to land rights claims.
Potential impacts			, ,
	Condition of exploration title/authority prohibits exploration on any land or waters on which Native Title has not been extinguished, unless the prior consent of the Minister has been obtained. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities cannot occur on land declared an Aboriginal Place and activities must not harm Aboriginal Objects. Any impacts are short term and temporary. Register of Native Claim		
Proposed management controls	Condition of exploration title/authority prohibits exploration on any land or waters on which Native Title has not been extinguished, unless the prior consent of the Minister has been obtained. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities cannot occur on land declared an Aboriginal Place and activities must not harm Aboriginal Objects.		
Duration	Short term		
Application ranking			
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?	Low

Can the impacts be mitigated? Do the operations comply with Standards, plans, policies? Criteria Criteria					
Can the impacts be mitigated? Potential impacts Potential impacts Proposed management controls Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Proposed management controls Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with CEA Location Restrictions in Impacts. Proposed management controls Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice. Enhablish on Code in Impacts on	Can the impacts be reversed?	Yes		Low	
Do the operations comply with standards, plans, policies? Criteria Cultural Impacts: Short term and temporary impacts on areas or items of high anthropological, archaeological, archaeolog					
Standards, plans, policies? Cultural impacts: Impacts: Impacts on areas or items of high anthropological, archaeological, architectural, cultural, heritage, historical, necreational or scientific value. Potential impacts Short term and temporary impacts only. HERITAGE NI AHIMS Ni recorded. Report indicates 0 sites or places. Artivities must comply with (Exploration Code of Practice. Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include minimising must comply with (Exploration Code of Practice. Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include minimising relations and Non-Indigenous heritage), aboriginal or European heritage objects/items/areas to be demarcated and avoided. All disturbed areas to be rehabilitation to accordance with title conditions (Exploration Code of Practice. Rehabilitation) rehabilitation to accordance with title conditions (Exploration Code of Practice. Rehabilitation) rehabilitation to accordance with title conditions (Exploration Code of Practice. Rehabilitation) rehabilitation to accordance with title conditions (Exploration Code of Practice. Rehabilitation) rehabilitation to accordance with title conditions (Exploration Code of Practice. Rehabilitation) rehabilitation to accordance with title conditions (Exploration Code of Practice. Rehabilitation) rehabilitation to accordance with title accordance. Can the impacts be mitigated? Fully Justification for ranking Criteria Can the impacts be mitigated? Fully Justification for ranking Low potential impacts Low Low potential impacts					
Potential impacts Short term and temporary impacts only.	standards, plans, policies?				
HERITAGE NII AHIMS Nii recorded. Report indicates 0 sites or places. Are devilues must comply with CEA Location Restrictions, impact Thresholds and Criteria. Adulviles must comply with CEA potation Code of Practice. Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include minimising potential impacts on all aspects of the environment (including water, land, air), clude minimising potential impacts on all aspects of the environment (including water, land, air), clude minimising potential impacts and avoided. All disturbed areas to be rehabilitated in accordant with title conditions (Exploration Code of Practice: Rehabilitation), Rehabilitation to occur as soon as practicable after completion of activity (including seeling of any boreholes). Note that the environment to cope with impacts? What is the confidence in predicting impacts? I high		cultural, heritage, historical, recreational or scientific value.			
AHIMS NII recorded. Report indicates 0 sites or places. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) asper the commitment in the application (APC). Relegant requirements of this Code include minimising potential impacts on all aspects of the erwironment (including water, fand, air), culture and heritage (Aboriginal and Non-indigenous heritage). Aboriginal or European heritage objects/fiems/aircas to conditions (Exploration Code of Practice: Rehabilitation), Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any boreholes). Duration Non-Application ranking What is the confidence in prodicting impacts? What is the confidence in completion of activity (including sealing of any boreholes). NIA Are further studies required on impacts or mitigation? What is the confidence in producting impacts? Potential impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Activities must comply with standards, plans, policies? Criteria Land Use Impacts: Any major changes in land use, including curtailment of other beneficial land uses. Potential impacts Limited potential for any major changes in land use, including curtailment of other beneficial land uses. Land Use Impacts and limited to immediate vicinity of site. Areas used for exploration activities, temporarily removed from existing land use/s but no long term impacts (e.g. temporary impacts on productive rural industries, including agriculture). Vegetation removal may remove potential timber resources. LANDUSE The planned drilling will take place on a farm, where cropping and grazing are both practiced. The planned drilling site will not affect cropping areas. Where grazing animals are fenced within the area where drilling socurs, there will be no impact on the animals as they will be able to move to other partice delines and backfilling the holes wi	Potential impacts	Short term and temporary impacts only.			
Proposed management controls Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include minimising potential impacts on all aspects of the environment (including water, land, air), culture and heritage (Aboriginal and Non-Indigenous heritage). Aboriginal or European heritage objects/ilems/areas to be demarcated and avoided. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to cour as soon as practicable after completion of activity (including sealing of any boreholes). Duration N/A Application ranking What is the confidence in predicting impacts? High Application ranking What is the environment to cope with impacts? I will be a subject of the environment to cope with impacts? And What is the confidence in public concern? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Potential impacts Limited potential for any major changes in land use, including curtailment of other beneficial land uses. Limited potential for any major changes in land use due to short term and temporary nature of exploration. Negligible impacts and limited to immediate vicinity of site. Areas used for exploration activities, temporarily removed from existing land use/s but no long term impacts (e.g. temporary impacts on productive rural industries, including agriculture). Vegetation removal may remove potential timber resources. LANDUSE The planned drilling will take place on a farm, where cropping and grazing are both practiced. The planned drilling occurs, there will be no impacts as they will be abore to move to ther parts of the paddock for feeding. All drilling muds, oils and other materials will be secured within the area where drilling occurs, there will be no					
must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APD). Relevant requirements of this Code include minimising potential impacts on all aspects of the environment (including water, land, air), culture and heritage (Aboriginal and Non-Indigenous heritage). Aboriginal or European heritage objects/fitems/areas to be demarcated and avoided. All disturbed areas to be rehabilitation, Rehabilitation to ocur as soon as practicable after completion of activity (including sealing of any boreholes). N/A Application ranking What is the confidence in predicting impacts? High Are further studies required on impacts or mitigated? Can the impacts be reversed? N/A What is the environment to cope with impacts? All disturbed areas to be rehabilitation, Rehabilitation to ocur as soon as practicable after completion of activity (including sealing of any boreholes). N/A Are further studies required on impacts or mitigated? All disturbed areas to be reversed? N/A Are further studies required on impacts or mitigated? All disturbed areas to be reversed? N/A Are further studies required on impacts or mitigated? Fully Justification for ranking Potential impacts be mitigated? Pully Justification for ranking Potential impacts be mitigated? Can the impacts be mitigated? Pully Justification for ranking Potential impacts Limited potential for any major changes in land use, including curtailment of other beneficial land uses. Limited potential for any major changes in land use due to short term and temporary nature of exploration. Negligible impacts and limited to immediate vicinity of site. Areas used for exploration activities, temporarily removed from existing land use/s but no long term impacts (e.g. temporary impacts on productive rural industries, including agriculture). Vegetation removal may remove potential timber resources. LANDUSE The planned drill isse will not affect cropping areas. Where grazing animals are fenced within the area wh		AHIMS Nil recorded. Report indicates 0 sites or places.			
What is the confidence in predicting impacts? High Are further studies required on impacts or mitigation?	•	must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include minimising potential impacts on all aspects of the environment (including water, land, air), culture and heritage (Aboriginal and Non-Indigenous heritage). Aboriginal or European heritage objects/items/areas to be demarcated and avoided. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as			
What is the confidence in predicting impacts? High Refurther studies required on impacts or mitigation? N/A What is the level of public problem. Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Potential impacts Potential impacts Limited potential for any major changes in land use, including curtailment of other beneficial land uses. Limited potential for any major changes in land use due to short term and temporary nature of exploration. Negligible impacts and limited to immediate vicinity of site. Areas used for exploration activities, temporarily removed from existing land use/s but no long term impacts (e.g. temporary impacts on productive rural industries, including agriculture). Vegetation removal may remove potential timber resources. LANDUSE The planned drill sites will not affect cropping areas. Where grazing animals are fenced within the area where drilling occurs, there will be no impact on the animals as they lib eable to move to other parts of the paddock for feeding. All drilling muds, oils and other materials will be secured within the area where trailing incours, there will be no impact on the animals as time fenced within the area where trailing occurs, there will be no impact on the animals as time fenced within the area where trailing occurs, there will be no impact on the animals as time fenced within the area where trailing occurs, there will be no impact on the animals as time will be able to move to other parts of the paddock for feeding. All drilling muds, oils and other materials will be secured within the support vehicles during the night so that animals cannot access them. REHABILITATION: Rehab will likely consist of tipping cuttings back down the hole, cutting PVC collars and plugging holes and backfilling the holes with the material dug from the holes or the top bag. Wheel rust and other surface disturbance will be levelled by bobcat. Excess cuttings will be trucked to an		N/A			
Potential impacts Potential impacts Potential impacts and imited potential for any major changes in land use, including curtailment of other beneficial land uses. Potential impacts Potential impa				L	
Can the impacts be reversed? Ni/A Ranking of public concern? Pully Justification for ranking Justification for ranking Public standards, plans, policies? Land Use Impacts: Any major changes in land use, including curtailment of other beneficial land uses. Limited potential for any major changes in land use due to short term and temporary nature of exploration. Negligible impacts and limited to immediate vicinity of site. Areas used for exploration activities, temporarily removed from existing land use/s but no long term impacts (e.g. temporary impacts on productive rural industries, including agriculture). Vegetation removal may remove potential timber resources. LANDUSE The planned drill listes will not affect cropping areas. Where grazing animals are fenced within the area where drilling occurs, there will be no impact on the animals as they will be able to move to other parts of the padodock for feeding. All drilling muds, oils and other materials will be secured within the support vehicles during the night so that animals cannot access them. REHABILITATION: Rehab will likely consist of tipping cuttings back down the hole, cutting PVC collars and plugging holes and backfilling the holes with the material dug from the holes or the top bag. Wheel ruts and other surface disturbance will be levelled by bobcat. Excess cuttings will be trucked to an EPA-approved disposal facility. Repair and proved di		High	studies required on impacts or	No	
Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Limited potential for any major changes in land use, including curtailment of other beneficial land uses. Limited potential for any major changes in land use due to short term and temporary nature of exploration. Negligible impacts and limited to immediate vicinity of site. Areas used for exploration activities, temporarily removed from existing land use/s but no long term impacts (e.g. temporary impacts on productive rural industries, including agriculture). Vegetation removal may remove potential timber resources. LANDUSE The planned drilling will take place on a farm, where cropping and grazing are both practiced. The planned drill isse will not affect cropping areas. Where grazing animals are fenced within the area where drilling occurs, there will be no impact on the animals as they will be able to move to other parts of the paddock for feeding. All drilling muds, oils and other materials will be secured within the support vehicles during the night so that animals cannot access them. REHABILITATION: Rehab will likely consist of tipping cuttings back down the hole, cutting PVC collars and plugging holes and backfilling the holes with the material dug from the holes or the top bag. Wheel ruts and other surface disturbance will be levelled by bobcat. Excess cuttings will be trucked to an EPA-approved disposal facility. Proposed management controls Minimal impacts likely and limited to immediate site of the activity. Activities must comply with (Exploration Cace of Practice: Environmental Management) as per the commitment in the application (APO). All disturbed areas to be rehabilitation to occur as soon as practicable after completion of activity. Legislative requirement for landholder access arrangements and compensation limit any potential impacts.	Harris all and to the construction and to	N1/A		1	
Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Land Use Impacts: Any major changes in land use, including curtailment of other beneficial land uses. Limited potential for any major changes in land use due to short term and temporary nature of exploration. Negligible impacts and limited to immediate vicinity of site. Areas used for exploration activities, temporarily removed from existing land use/s but no long term impacts (e.g. temporary impacts on productive rural industries, including agriculture). Vegetation removal may remove potential timber resources. LANDUSE The planned drilling will take place on a farm, where cropping and grazing are both practiced. The planned drill sites will not affect cropping areas. Where grazing animals are fenced within the area where drilling occurs, there will be no impact on the animals as they will be able to move to other parts of the paddock for feeding. All drilling muds, oils and other materials will be secured within the support vehicles during the night so that animals cannot access them. REHABILITATION: Rehab will likely consist of tipping cuttings back down the hole, cutting PVC collars and plugging holes and backfilling the holes with the material dug from the holes or the top bag. Wheel ruts and other surface disturbance will be levelled by bobcat. Excess cuttings will be trucked to an EPA-approved disposal facility. Proposed management controls Minimal impacts likely and limited to immediate site of the activity. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with CEA Location faesticitions, Impact Thresholds and criteria. Activities must comply with CEA Location faesticitions, Impact Presholds and Criteria. Activities must comply with CEA Location faesticitions, Impact Presholds and Criteria. Activities m		N/A		Low	
Can the impacts be reversed? N/A Ranking of potential significance Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Land Use Impacts: Any major changes in land use, including curtailment of other beneficial land uses. Land Use Impacts: Any major changes in land use, including curtailment of other beneficial land uses. Potential impacts Limited potential for any major changes in land use due to short term and temporary nature of exploration. Negligible impacts and limited to immediate vicinity of site. Areas used for exploration activities, temporarily removed from existing land use/s but no long term impacts (e.g. temporary impacts on productive rural industries, including agriculture). Vegetation removal may remove potential timber resources. LANDUSE The planned drilling will take place on a farm, where cropping and grazing are both practiced. The planned drill sites will not affect cropping areas. Where grazing animals are fenced within the area where drilling occurs, there will be no impact on the animals as they will be able to move to other parts of the paddock for feeding, All drilling muls, oils and other materials will be secured within the support vehicles during the night so that animals cannot access them. REHABILITATION: Rehab will likely consist of tipping cuttings back down the hole, cutting PVC collars and plugging holes and backfilling the holes with the material dug from the holes or the top bag. Wheel ruts and other surface disturbance will be levelled by bobcat. Excess cuttings will be trucked to an EPA-approved disposal facility. Proposed management controls Minimal impacts likely and limited to immediate site of the activity. Activities must comply with CEA Location Restrictions, Impact Thresholds and Crieria. Activities must comply with CEA Location Restrictions, Impact Thresholds and Crieria. Activities must comply with CEA Location Geode of Practice: Environmental Management as per the commitment in the	cope with impacts?				
Can the impacts be mitigated? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Land Use Impacts: Any major changes in land use, including curtailment of other beneficial land uses. Limited potential for any major changes in land use due to short term and temporary nature of exploration. Negligible impacts and limited to immediate vicinity of site. Areas used for exploration activities, temporarily removed from existing land use/s but no long term impacts (e.g. temporary impacts on productive rural industries, including agriculture). Vegetation removal may remove potential timber resources. LANDUSE The planned drilling will take place on a farm, where cropping and grazing are both practiced. The planned where drilling occurs, there will be no impact on the animals as they will be able to move to other parts of the paddock for fedding. All drilling muds, oils and other materials will be secured within the support vehicles during the night so that animals cannot access them. REHABILITATION: Rehab will likely consist of tipping cuttings back down the hole, cutting PVC collars and plugging holes and backfilling the holes with the material dug from the holes or the top bag. Wheel ruts and other surface disturbance will be levelled by bobcat. Excess cuttings will be trucked to an EPA-approved disposal facility. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with CEA Location Restrictions. Impact Thresholds and Criteria. Activities must comply with CEA placation (APO). All disturbed areas to be rehabilitated in accordance with title conditions (Exploration of activity. Legislative requirement) as per the commitment in the application (APO). All disturbed areas to be rehabilitated in accordance with title conditions (Exploration of activity. Legislative requirement) for landholder access arrangements and completion of activity. Legislative requirement for landholder access arrange					
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Do the operations comply with standards, plans, policies? Criteria Land Use Impacts: Any major changes in land use, including curtailment of other beneficial land uses. Limited potential for any major changes in land use due to short term and temporary nature of exploration. Negligible impacts and limited to immediate vicinity of site. Areas used for exploration activities, temporarily removed from existing land use/s but no long term impacts (e.g. temporary impacts on productive rural industries, including agriculture). Vegetation removal may remove potential timber resources. LANDUSE The planned drilling will take place on a farm, where cropping and grazing are both practiced. The planned drill sites will not affect cropping areas. Where grazing animals are fenced within the area where drilling occurs, there will be no impact on the animals as they will be able to move to other parts of the paddock for feeding. All drilling muds, oils and other materials will be secured within the support vehicles during the night so that animals cannot access them. REHABILITATION: Rehab will likely consist of tipping cuttings back down the hole, cutting PVC collars and plugging holes and backfilling the holes with the material dug from the holes or the top bag. Wheel ruts and other surface disturbance will be levelled by bobcat. Excess cuttings will be trucked to an EPA-approved disposal facility. Proposed management controls Minimal impacts likely and limited to immediate site of the activity. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with CEA Location Restrictions. Proposed the requirement of cocur as soon as practicable after completion of activity. Legislative requirement for lancholder access arrangements and complexion of activity. Legislative requirement for lancholder access arrangements and complexion of activity.	Can the impacts be reversed?	N/A		Low	
Can the impacts be mittgated? Do the operations comply with standards, plans, policies? Criteria Land Use Impacts: Any major changes in land use, including curtailment of other beneficial land uses. Limited potential for any major changes in land use due to short term and temporary nature of exploration. Negligible impacts and limited to immediate vicinity of site. Areas used for exploration activities, temporarily removed from existing land use/s but no long term impacts (e.g. temporary impacts on productive rural industries, including agriculture). Vegetation removal may remove potential timber resources. LANDUSE The planned drilling will take place on a farm, where cropping and grazing are both practiced. The planned drilling occurs, there will be no impact on the animals as they will be able to move to other parts of the paddock for feeding. All drilling muds, oils and other materials will be secured within the support vehicles during the night so that animals cannot access them. REHABILITATION: Rehab will likely consist of tipping cuttings back down the hole, cutting PVC collars and plugging holes and backfilling the holes with the material dug from the holes or the top bag. Wheel ruts and other surface disturbance will be levelled by bobcat. Excess cuttings will be trucked to an EPA-approved disposal facility. Proposed management controls Minimal impacts likely and limited to immediate site of the activity. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). All disturbed areas to be rehabilitation to occur as soon as practicable after completion of activity. Legislative requirement for landholder access arrangements and compensation limit any potential impacts. Short term	can are impacts so reversed.	1477	_		
Do the operations comply with standards, plans, policies? Criteria Dotential impacts Land Use Impacts: Any major changes in land use, including curtailment of other beneficial land uses. Limited potential for any major changes in land use due to short term and temporary nature of exploration. Negligible impacts and limited to immediate vicinity of site. Areas used for exploration activities, temporarily removed from existing land use/s but no long term impacts (e.g. temporary impacts on productive rural industries, including agriculture). Vegetation removal may remove potential timber resources. LANDUSE The planned drilling will take place on a farm, where cropping and grazing are both practiced. The planned drill sites will not affect cropping areas. Where grazing animals are fenced within the area where drilling occurs, there will be no impact on the animals as they will be able to move to other parts of the paddock for feeding. All drilling muds, oils and other materials will be secured within the support vehicles during the night so that animals cannot access them. REHABILITATION: Rehab will likely consist of tipping cuttings back down the hole, cutting PVC collars and plugging holes and backfilling the holes with the material dug from the holes or the top bag. Wheel ruts and other surface disturbance will be levelled by bobcat. Excess cuttings will be trucked to an EPA-approved disposal facility. Proposed management controls Minimal impacts likely and limited to immediate site of the activity. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation, Incodurate and accordance with title conditions (Exploration Code of Practice: Rehabilitation). Boccur as soon as practicable after completion of activity. Legislati			significance		
Standards, plans, policies? Criteria Land Use Impacts: Any major changes in land use, including curtailment of other beneficial land uses. Limited potential for any major changes in land use due to short term and temporary nature of exploration. Negligible impacts and limited to immediate vicinity of site. Areas used for exploration activities, temporarily removed from existing land use/s but no long term impacts (e.g. temporary impacts on productive rural industries, including agriculture). Vegetation removal may remove potential timber resources. LANDUSE The planned drilling will take place on a farm, where cropping and grazing are both practiced. The planned drill sites will not affect cropping areas. Where grazing animals are fenced within the area where drilling occurs, there will be no impact on the animals as they will be able to move to other parts of the paddock for feeding. All drilling muds, oils and other materials will be secured within the support vehicles during the night so that animals cannot access them. REHABILITATION: Rehab will likely consist of tipping cuttings back down the hole, cutting PVC collars and plugging holes and backfilling the holes with the material dug from the holes or the top bag. Wheel ruts and other surface disturbance will be levelled by bobcat. Excess cuttings will be trucked to an EPA-approved disposal facility. Proposed management controls Minimal impacts likely and limited to immediate site of the activity. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Environmental Management) as per the commitment in the application in mil any potential impacts. Duration	Can the impacts be mitigated?	Fully	Justification f	or ranking	
Potential impacts Limited potential for any major changes in land use, including curtailment of other beneficial land uses. Limited potential for any major changes in land use due to short term and temporary nature of exploration. Negligible impacts and limited to immediate vicinity of site. Areas used for exploration activities, temporarily removed from existing land use/s but no long term impacts (e.g. temporary impacts on productive rural industries, including agriculture). Vegetation removal may remove potential timber resources. LANDUSE The planned drill sites will not affect cropping areas. Where cropping and grazing are both practiced. The planned drill sites will not affect cropping areas. Where grazing animals are fenced within the area where drilling occurs, there will be no impact on the animals as they will be able to move to other parts of the paddock for feeding. All drilling muds, oils and other materials will be secured within the support vehicles during the night so that animals cannot access them. REHABILITATION: Rehab will likely consist of tipping cuttings back down the hole, cutting PVC collars and plugging holes and backfilling the holes with the material dug from the holes or the top bag. Wheel ruts and other surface disturbance will be levelled by bobcat. Excess cuttings will be trucked to an EPA-approved disposal facility. Proposed management controls Minimal impacts likely and limited to immediate site of the activity. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). All disturbed areas to be rehabilitation, Rehabilitation to occur as soon as practicable after completion of activity. Legislative requirement for landholder access arrangements and compensation imit any potential impacts. Duration		Yes			
Potential impacts Limited potential for any major changes in land use due to short term and temporary nature of exploration. Negligible impacts and limited to immediate vicinity of site. Areas used for exploration activities, temporarily removed from existing land use/s but no long term impacts (e.g. temporary impacts on productive rural industries, including agriculture). Vegetation removal may remove potential timber resources. LANDUSE The planned drilling will take place on a farm, where cropping and grazing are both practiced. The planned drill sites will not affect cropping areas. Where grazing animals are fenced within the area where drilling occurs, there will be no impact on the animals as they will be able to move to other parts of the paddock for feeding. All drilling mulds, oils and other materials will be secured within the support vehicles during the night so that animals cannot access them. REHABILITATION: Rehab will likely consist of tipping cuttings back down the hole, cutting PVC collars and plugging holes and backfilling the holes with the material dug from the holes or the top bag. Wheel ruts and other surface disturbance will be levelled by bobcat. Excess cuttings will be trucked to an EPA-approved disposal facility. Proposed management controls Minimal impacts likely and limited to immediate site of the activity. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). All disturbed areas to be rehabilitation to occur as soon as practicable after completion of activity. Legislative requirement for landholder access arrangements and compensation limit any potential impacts. Short term					
exploration. Negligible impacts and limited to immediate vicinity of site. Areas used for exploration activities, temporarily removed from existing land use/s but no long term impacts (e.g. temporary impacts on productive rural industries, including agriculture). Vegetation removal may remove potential timber resources. LANDUSE The planned drilling will take place on a farm, where cropping and grazing are both practiced. The planned drill sites will not affect cropping areas. Where grazing animals are fenced within the area where drilling occurs, there will be no impact on the animals as they will be able to move to other parts of the paddock for feeding. All drilling muds, oils and other materials will be secured within the support vehicles during the night so that animals cannot access them. REHABILITATION: Rehab will likely consist of tipping cuttings back down the hole, cutting PVC collars and plugging holes and backfilling the holes with the material dug from the holes or the top bag. Wheel ruts and other surface disturbance will be levelled by bobcat. Excess cuttings will be trucked to an EPA-approved disposal facility. Proposed management controls Minimal impacts likely and limited to immediate site of the activity. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). All disturbed areas to be rehabilitation in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity. Legislative requirement for landholder access arrangements and compensation limit any potential impacts. Duration	Criteria		nd use, including	curtailment of other beneficial land	
Areas used for exploration activities, temporarily removed from existing land use/s but no long term impacts (e.g. temporary impacts on productive rural industries, including agriculture). Vegetation removal may remove potential timber resources. LANDUSE The planned drilling will take place on a farm, where cropping and grazing are both practiced. The planned drill sites will not affect cropping areas. Where grazing animals are fenced within the area where drilling occurs, there will be no impact on the animals as they will be able to move to other parts of the paddock for feeding. All drilling muds, oils and other materials will be secured within the support vehicles during the night so that animals cannot access them. REHABILITATION: Rehab will likely consist of tipping cuttings back down the hole, cutting PVC collars and plugging holes and backfilling the holes with the material dug from the holes or the top bag. Wheel ruts and other surface disturbance will be levelled by bobcat. Excess cuttings will be trucked to an EPA-approved disposal facility. Proposed management controls Minimal impacts likely and limited to immediate site of the activity. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity. Legislative requirement for landholder access arrangements and compensation limit any potential impacts.	Potential impacts	Limited potential for any major changes in land use due to short term and temporary nature of			
impacts (e.g. temporary impacts on productive rural industries, including agriculture). Vegetation removal may remove potential timber resources. LANDUSE The planned drilling will take place on a farm, where cropping and grazing are both practiced. The planned drill sites will not affect cropping areas. Where grazing animals are fenced within the area where drilling occurs, there will be no impact on the animals as they will be able to move to other parts of the paddock for feeding. All drilling muds, oils and other materials will be secured within the support vehicles during the night so that animals cannot access them. REHABILITATION: Rehab will likely consist of tipping cuttings back down the hole, cutting PVC collars and plugging holes and backfilling the holes with the material dug from the holes or the top bag. Wheel ruts and other surface disturbance will be levelled by bobcat. Excess cuttings will be trucked to an EPA-approved disposal facility. Proposed management controls Minimal impacts likely and limited to immediate site of the activity. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity. Legislative requirement for landholder access arrangements and compensation limit any potential impacts. Duration Short term		Negligible impacts and limited to immediate	vicinity of site.		
LANDUSE The planned drilling will take place on a farm, where cropping and grazing are both practiced. The planned drill sites will not affect cropping areas. Where grazing animals are fenced within the area where drilling occurs, there will be no impact on the animals as they will be able to move to other parts of the paddock for feeding. All drilling muds, oils and other materials will be secured within the support vehicles during the night so that animals cannot access them. REHABILITATION: Rehab will likely consist of tipping cuttings back down the hole, cutting PVC collars and plugging holes and backfilling the holes with the material dug from the holes or the top bag. Wheel ruts and other surface disturbance will be levelled by bobcat. Excess cuttings will be trucked to an EPA-approved disposal facility. Proposed management controls Minimal impacts likely and limited to immediate site of the activity. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity. Legislative requirement for landholder access arrangements and compensation limit any potential impacts. Duration Short term					
The planned drilling will take place on a farm, where cropping and grazing are both practiced. The planned drill sites will not affect cropping areas. Where grazing animals are fenced within the area where drilling occurs, there will be no impact on the animals as they will be able to move to other parts of the paddock for feeding. All drilling muds, oils and other materials will be secured within the support vehicles during the night so that animals cannot access them. REHABILITATION: Rehab will likely consist of tipping cuttings back down the hole, cutting PVC collars and plugging holes and backfilling the holes with the material dug from the holes or the top bag. Wheel ruts and other surface disturbance will be levelled by bobcat. Excess cuttings will be trucked to an EPA-approved disposal facility. Proposed management controls Minimal impacts likely and limited to immediate site of the activity. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity. Legislative requirement for landholder access arrangements and compensation limit any potential impacts. Duration Short term		Vegetation removal may remove potential tir	nber resources.		
The planned drilling will take place on a farm, where cropping and grazing are both practiced. The planned drill sites will not affect cropping areas. Where grazing animals are fenced within the area where drilling occurs, there will be no impact on the animals as they will be able to move to other parts of the paddock for feeding. All drilling muds, oils and other materials will be secured within the support vehicles during the night so that animals cannot access them. REHABILITATION: Rehab will likely consist of tipping cuttings back down the hole, cutting PVC collars and plugging holes and backfilling the holes with the material dug from the holes or the top bag. Wheel ruts and other surface disturbance will be levelled by bobcat. Excess cuttings will be trucked to an EPA-approved disposal facility. Proposed management controls Minimal impacts likely and limited to immediate site of the activity. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity. Legislative requirement for landholder access arrangements and compensation limit any potential impacts. Duration Short term		LANDUSE			
Rehab will likely consist of tipping cuttings back down the hole, cutting PVC collars and plugging holes and backfilling the holes with the material dug from the holes or the top bag. Wheel ruts and other surface disturbance will be levelled by bobcat. Excess cuttings will be trucked to an EPA-approved disposal facility. Proposed management controls Minimal impacts likely and limited to immediate site of the activity. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity. Legislative requirement for landholder access arrangements and compensation limit any potential impacts. Duration Short term		The planned drilling will take place on a farm, where cropping and grazing are both practiced. The planned drill sites will not affect cropping areas. Where grazing animals are fenced within the are where drilling occurs, there will be no impact on the animals as they will be able to move to other parts of the paddock for feeding. All drilling muds, oils and other materials will be secured within t support vehicles during the night so that animals cannot access them. REHABILITATION: Rehab will likely consist of tipping cuttings back down the hole, cutting PVC collars and plugging holes and backfilling the holes with the material dug from the holes or the top bag. Wheel ruts and other surface disturbance will be levelled by bobcat. Excess cuttings will be trucked.			
CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity. Legislative requirement for landholder access arrangements and compensation limit any potential impacts. Duration Short term					
		CEA Location Restrictions, Impact Threshold (Exploration Code of Practice: Environmental application (APO). All disturbed areas to (Exploration Code of Practice: Rehabilitation completion of activity. Legislative requires compensation limit any potential impacts.	ds and Criteria. Il Management) a o be rehabilitated). Rehabilitation	Activities must comply with as per the commitment in the d in accordance with title conditions to occur as soon as practicable after	
Application ranking		Short term			
Application ranking	Application ranking				

What is the confidence in	High	Are further	No
predicting impacts?		studies	
		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	High Resilience	What is the	Low
cope with impacts?	_	level of	
		public	
		concern?	
Can the impacts be reversed?	Yes	Ranking of	Low
		potential	
		significance	
Can the impacts be mitigated?	No	Justification for	or ranking
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Transportation Impacts: Substantial impacts	on existing trans	portation systems (road, rail,
	pedestrian) which alter present patterns of c	irculation or move	ement.
Potential impacts	Short term additional traffic during exploration	n activity, primar	ily during set-up/construction stage.
	ACCESS		
	Existing farm tracks and open but un-croppe		
	regrowth and shrubs may need to be disturb	ed to provide saf	e access for vehicles.
Proposed management controls	Short term additional traffic during exploration	n activity, primar	ily during set-up/construction stage.
	,	ndholder agreem	ent and any compensation.
Duration	Short term		
Application ranking			
What is the confidence in	High	Are further	No
predicting impacts?		studies	
		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	High Resilience	What is the	Low
cope with impacts?		level of	
		public	
		concern?	
Can the impacts be reversed?	Yes	Ranking of	Low
can the impacts be reversed?	103	i tuilling of	
Can the impacts be reversed?	103	potential	
can the impacts be reversed?	103	_	
Can the impacts be reversed?	Fully	potential	or ranking
		potential significance	or ranking
Can the impacts be mitigated? Do the operations comply with	Fully	potential significance	or ranking
Can the impacts be mitigated?	Fully Yes	potential significance Justification fo	-
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria	Fully Yes Transportation Impacts: Impacts associated	potential significance Justification for with direct or ind	irect additional traffic.
Can the impacts be mitigated? Do the operations comply with standards, plans, policies?	Fully Yes Transportation Impacts: Impacts associated Short term additional traffic during exploration	potential significance Justification for with direct or ind	irect additional traffic.
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria	Fully Yes Transportation Impacts: Impacts associated Short term additional traffic during exploration ACCESS	potential significance Justification for with direct or independent activity, primar	irect additional traffic. ily during set-up/construction stage.
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria	Fully Yes Transportation Impacts: Impacts associated Short term additional traffic during exploration ACCESS Existing farm tracks and open but un-cropped	potential significance Justification for with direct or independent activity, primared paddocks will be	irect additional traffic. ily during set-up/construction stage. be used for access, however some
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria	Fully Yes Transportation Impacts: Impacts associated Short term additional traffic during exploration ACCESS	potential significance Justification for with direct or independent activity, primared paddocks will be	irect additional traffic. ily during set-up/construction stage. be used for access, however some
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts	Fully Yes Transportation Impacts: Impacts associated Short term additional traffic during exploration ACCESS Existing farm tracks and open but un-cropper regrowth and shrubs may need to be disturbed.	potential significance Justification for with direct or independent activity, primared paddocks will be determined to provide safe	irect additional traffic. ily during set-up/construction stage. be used for access, however some fe access for vehicles.
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria	Fully Yes Transportation Impacts: Impacts associated Short term additional traffic during exploration ACCESS Existing farm tracks and open but un-cropper regrowth and shrubs may need to be disturb. Short term additional traffic during exploration	potential significance Justification for with direct or independent activity, primared paddocks will be detected to provide safern activity, primared activity, prima	irect additional traffic. ily during set-up/construction stage. be used for access, however some fe access for vehicles. ily during set-up/construction stage.
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls	Fully Yes Transportation Impacts: Impacts associated Short term additional traffic during exploration ACCESS Existing farm tracks and open but un-cropper regrowth and shrubs may need to be disturbed to immediate site. Subject to lar	potential significance Justification for with direct or independent activity, primared paddocks will be detected to provide safern activity, primared activity, prima	irect additional traffic. ily during set-up/construction stage. be used for access, however some fe access for vehicles.
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration	Fully Yes Transportation Impacts: Impacts associated Short term additional traffic during exploration ACCESS Existing farm tracks and open but un-cropper regrowth and shrubs may need to be disturb. Short term additional traffic during exploration	potential significance Justification for with direct or independent activity, primared paddocks will be detected to provide safern activity, primared activity, prima	irect additional traffic. ily during set-up/construction stage. be used for access, however some fe access for vehicles. ily during set-up/construction stage.
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking	Fully Yes Transportation Impacts: Impacts associated Short term additional traffic during exploration ACCESS Existing farm tracks and open but un-cropper regrowth and shrubs may need to be disturb. Short term additional traffic during exploration Limited to immediate site. Subject to late the strain of the	potential significance Justification for with direct or ind an activity, primared paddocks will be de to provide safen activity, primared and paddocks will be de to provide safen activity, primared and holder agreem	irect additional traffic. ily during set-up/construction stage. be used for access, however some fe access for vehicles. ily during set-up/construction stage. ent and any compensation.
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in	Fully Yes Transportation Impacts: Impacts associated Short term additional traffic during exploration ACCESS Existing farm tracks and open but un-cropper regrowth and shrubs may need to be disturbed to immediate site. Subject to lar	potential significance Justification for with direct or ind on activity, primared to provide safe on activity, primared to provide safe on activity, primared activity, primared to provide safe on activity, primared to provide safe or activity.	irect additional traffic. ily during set-up/construction stage. be used for access, however some fe access for vehicles. ily during set-up/construction stage.
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking	Fully Yes Transportation Impacts: Impacts associated Short term additional traffic during exploration ACCESS Existing farm tracks and open but un-cropper regrowth and shrubs may need to be disturb. Short term additional traffic during exploration Limited to immediate site. Subject to late the strain of the	potential significance Justification for with direct or ind on activity, primared paddocks will be ded to provide safe on activity, primared holder agreem Are further studies	irect additional traffic. ily during set-up/construction stage. be used for access, however some fe access for vehicles. ily during set-up/construction stage. ent and any compensation.
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in	Fully Yes Transportation Impacts: Impacts associated Short term additional traffic during exploration ACCESS Existing farm tracks and open but un-cropper regrowth and shrubs may need to be disturb. Short term additional traffic during exploration Limited to immediate site. Subject to late the strain of the	potential significance Justification for with direct or ind on activity, primared paddocks will be de to provide safe an activity, primared holder agreem Are further studies required on	irect additional traffic. ily during set-up/construction stage. be used for access, however some fe access for vehicles. ily during set-up/construction stage. ent and any compensation.
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in	Fully Yes Transportation Impacts: Impacts associated Short term additional traffic during exploration ACCESS Existing farm tracks and open but un-cropper regrowth and shrubs may need to be disturb. Short term additional traffic during exploration Limited to immediate site. Subject to late the strain of the	potential significance Justification for with direct or ind on activity, primared paddocks will be de to provide safe an activity, primared holder agreem Are further studies required on impacts or	irect additional traffic. ily during set-up/construction stage. be used for access, however some fe access for vehicles. ily during set-up/construction stage. ent and any compensation.
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts?	Fully Yes Transportation Impacts: Impacts associated Short term additional traffic during exploratio ACCESS Existing farm tracks and open but un-croppe regrowth and shrubs may need to be disturb Short term additional traffic during exploratio Limited to immediate site. Subject to lates Short term High	potential significance Justification for with direct or ind an activity, primared paddocks will be de to provide safe an activity, primared holder agreem Are further studies required on impacts or mitigation?	irect additional traffic. illy during set-up/construction stage. be used for access, however some e access for vehicles. illy during set-up/construction stage. ent and any compensation. No
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to	Fully Yes Transportation Impacts: Impacts associated Short term additional traffic during exploration ACCESS Existing farm tracks and open but un-cropper regrowth and shrubs may need to be disturb. Short term additional traffic during exploration Limited to immediate site. Subject to late the strain of the	potential significance Justification for with direct or ind on activity, primared paddocks will be de to provide safe an activity, primared holder agreem Are further studies required on impacts or	irect additional traffic. ily during set-up/construction stage. be used for access, however some fe access for vehicles. ily during set-up/construction stage. ent and any compensation.
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts?	Fully Yes Transportation Impacts: Impacts associated Short term additional traffic during exploratio ACCESS Existing farm tracks and open but un-croppe regrowth and shrubs may need to be disturb Short term additional traffic during exploratio Limited to immediate site. Subject to lates Short term High	potential significance Justification for the with direct or independent of the provide safe of the provide	irect additional traffic. illy during set-up/construction stage. be used for access, however some e access for vehicles. illy during set-up/construction stage. ent and any compensation. No
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to	Fully Yes Transportation Impacts: Impacts associated Short term additional traffic during exploratio ACCESS Existing farm tracks and open but un-croppe regrowth and shrubs may need to be disturb Short term additional traffic during exploratio Limited to immediate site. Subject to lates Short term High	potential significance Justification for the with direct or independent of the provide safe of the provide	irect additional traffic. illy during set-up/construction stage. be used for access, however some e access for vehicles. illy during set-up/construction stage. ent and any compensation. No
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	Fully Yes Transportation Impacts: Impacts associated Short term additional traffic during exploratio ACCESS Existing farm tracks and open but un-croppe regrowth and shrubs may need to be disturb Short term additional traffic during exploratio Limited to immediate site. Subject to lates Short term High	potential significance Justification for the significance Justification for the significance with direct or independent of paddocks will be dead to provide safe the significant of the	irect additional traffic. ily during set-up/construction stage. be used for access, however some e access for vehicles. ily during set-up/construction stage. ent and any compensation. No Low
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to	Fully Yes Transportation Impacts: Impacts associated Short term additional traffic during exploration ACCESS Existing farm tracks and open but un-cropper regrowth and shrubs may need to be disturb. Short term additional traffic during exploration Limited to immediate site. Subject to late Short term High High Resilience	potential significance Justification for the significance Justification for the significance with direct or independent of paddocks will be dead to provide safe the significant of the	irect additional traffic. illy during set-up/construction stage. be used for access, however some e access for vehicles. illy during set-up/construction stage. ent and any compensation. No
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	Fully Yes Transportation Impacts: Impacts associated Short term additional traffic during exploration ACCESS Existing farm tracks and open but un-cropper regrowth and shrubs may need to be disturb. Short term additional traffic during exploration Limited to immediate site. Subject to late Short term High High Resilience	potential significance Justification for the with direct or independent of paddocks will be described to provide safe to provi	irect additional traffic. ily during set-up/construction stage. be used for access, however some e access for vehicles. ily during set-up/construction stage. ent and any compensation. No Low
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed?	Fully Yes Transportation Impacts: Impacts associated Short term additional traffic during exploration ACCESS Existing farm tracks and open but un-cropper regrowth and shrubs may need to be disturb. Short term additional traffic during exploration Limited to immediate site. Subject to late Short term High High Resilience	potential significance Justification for the with direct or independent of paddocks will be described to provide safe activity, primare adholder agreem Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	irect additional traffic. illy during set-up/construction stage. be used for access, however some in access for vehicles. illy during set-up/construction stage. ent and any compensation. No Low
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated?	Fully Yes Transportation Impacts: Impacts associated Short term additional traffic during exploration ACCESS Existing farm tracks and open but un-cropper regrowth and shrubs may need to be disturb. Short term additional traffic during exploration Limited to immediate site. Subject to late Short term High High Resilience	potential significance Justification for the with direct or independent of paddocks will be described to provide safe to provi	irect additional traffic. illy during set-up/construction stage. be used for access, however some in access for vehicles. illy during set-up/construction stage. ent and any compensation. No Low
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with	Fully Yes Transportation Impacts: Impacts associated Short term additional traffic during exploration ACCESS Existing farm tracks and open but un-cropper regrowth and shrubs may need to be disturb. Short term additional traffic during exploration Limited to immediate site. Subject to late Short term High High Resilience	potential significance Justification for the with direct or independent of paddocks will be described to provide safe activity, primare adholder agreem Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	irect additional traffic. illy during set-up/construction stage. be used for access, however some in access for vehicles. illy during set-up/construction stage. ent and any compensation. No Low
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies?	Fully Yes Transportation Impacts: Impacts associated Short term additional traffic during exploration ACCESS Existing farm tracks and open but un-cropper regrowth and shrubs may need to be disturb. Short term additional traffic during exploration Limited to immediate site. Subject to late Short term High High Resilience Yes Fully Yes	potential significance Justification for the with direct or independent of the provide safe of the provide	irect additional traffic. illy during set-up/construction stage. be used for access, however some e access for vehicles. illy during set-up/construction stage. ent and any compensation. No Low Low or ranking
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with	Fully Yes Transportation Impacts: Impacts associated Short term additional traffic during exploration ACCESS Existing farm tracks and open but un-cropper regrowth and shrubs may need to be disturb. Short term additional traffic during exploration Limited to immediate site. Subject to late Short term High High Resilience Yes Fully Yes Consistency with applicable local strategic p	potential significance Justification for the with direct or independent of the provide safe of the provide	irect additional traffic. illy during set-up/construction stage. be used for access, however some e access for vehicles. illy during set-up/construction stage. ent and any compensation. No Low Low or ranking
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies?	Fully Yes Transportation Impacts: Impacts associated Short term additional traffic during exploration ACCESS Existing farm tracks and open but un-cropper regrowth and shrubs may need to be disturb. Short term additional traffic during exploration Limited to immediate site. Subject to late Short term High High Resilience Yes Fully Yes	potential significance Justification for the significance Justification for the significance of the signif	irect additional traffic. illy during set-up/construction stage. be used for access, however some e access for vehicles. illy during set-up/construction stage. ent and any compensation. No Low Low or ranking

Proposed management controls Duration	Exploration comprises development that doe associated local, regional and district plans. local strategic planning statements, regional impacts likely and limited to immediate site or relevant legislation, including Mining Act 199 landholder agreement and any compensatio accordance with title conditions (Exploration occur as soon as practicable after completion Short term - until land is rehabilitated.	There will be no strategic plans of the activity. 22 and Petroleumn. All disturbe Code of Practice	conflict or inconsistency with applicable or district strategic plans. Minimal Impacts are compensable under (Onshore) Act 1991. Subject to ed areas to be rehabilitated in Exception (Exception). Rehabilitation to
Application ranking			
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?	Low
Can the impacts be reversed?	Uncertain	Ranking of potential significance	Low
Can the impacts be mitigated?	Fully	Justification f	or ranking
Do the operations comply with standards, plans, policies?	Yes		
Criteria Criteria	Matters of National Environmental Significar Environmental Protection and Biodiversity C		
Proposed management controls	N/A as activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Cannot impact on MNES. MNES report same as APO0001609- reviewed on 29/5/2024 Map provided "Achilles Critical habitats/ Areas of Outstanding Biodiversity" shows areas of critical habitat in rivers (Lachlan River and Booberoi Creek), and the wetlands around the Lake Cargelligo area. The Round Hill Nature Reserve, in green, lies to the north and west. The drilling area is mapped away from any areas of critical habitat or areas of outstanding biodiversity. PROTECTED MATTERS 15.11.23 reviewed on 29/5/2024 – TECs. Endangered "Mallee Bird Community of the Murray Darling Depression Bioregion" likely to occur in the area. Other TECs listed not likely and don't appear to correspond with PCTs identified in SEED. Endangered species likely to occur in the area: Major Mitchell's Cockatoo, South-eastern Hooded Robin, Australian Painted Snipe, Grey Snake. NOTE: Major Mitchell's Cockatoo Bionet species sighting approx 8km SW of proposed drilling area. Critically endangered Striated Grasswren (sandplain) may occur in the area. This species is also listed as one of the species forming the above-mentioned TEC. No other birds listed in this TEC are listed in the MNES search report. No bionet species sightings for any of the birds listed in the TEC near the drilling, however, Approx 7km N – a large number of bird species listed in the Endangered TEC "Mallee Bird Community of the Murray Darling Depression Bioregion" have bionet sightings including Endangered Malleefowl and Critically Endangered Red-lored whistler. PCTs consistent with proposed drill site specifically PCT 72, PCT 103, PCT 173, PCT 174		
Duration Proposed management controls	N/A N/A		
Application ranking	11//		
What is the confidence in predicting impacts?	N/A	Are further studies required on impacts or mitigation?	N/A
How resilient is the environment to cope with impacts?	N/A	What is the level of public concern?	Low
Can the impacts be reversed?	N/A	Ranking of potential significance	
Can the impacts be mitigated?	N/A	Justification f	or ranking
Do the operations comply with standards, plans, policies?	N/A	atal offeste with	ther evicting or likely fature anti-ities
Criteria	Cumulative Impacts: Cumulative environment	nial effects with c	uner existing or likely future activities.

Potential impacts	Only short term and temporary impacts.		
	No significant additional impacts on the environment from past, current and relevant future projects.		
	LANDUSE The planned drilling will take place on a farm, where cropping and grazing are both practiced. The planned drill sites will not affect cropping areas. Where grazing animals are fenced within the area where drilling occurs, there will be no impact on the animals as they will be able to move to other parts of the paddock for feeding. All drilling muds, oils and other materials will be secured within the support vehicles during the night so that animals cannot access them. REHABILITATION: Rehab will likely consist of tipping cuttings back down the hole, cutting PVC collars and plugging holes and backfilling the holes with the material dug from the holes or the top bag. Wheel ruts and other surface disturbance will be levelled by bobcat. Excess cuttings will be trucked to an EPA-approved disposal facility.		
Proposed management controls	Short term impacts predominantly limited to immediate site. Subject to landholder agreement and any compensation. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include minimising all impacts on the environment. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any boreholes).		
Duration	Short term		
Application ranking			
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?	Low
Can the impacts be reversed?	Yes	Ranking of potential significance	Low
Can the impacts be mitigated?	Fully	Justification f	or ranking
Do the operations comply with standards, plans, policies?	Yes		

[©] State of New South Wales through Regional NSW 2023. The information contained in this publication is based on knowledge and understanding at the time of writing March, 2023. However, because of advances in knowledge, users are reminded of the need to ensure that the information upon which they rely is up to date and to check the currency of the information with the appropriate officer of the Regional NSW or the user's independent adviser. version: APO_CEA_brief v3.6

Achilles | APO0001773 57