

Monday 13 May 2024

# Assessable Prospecting Operation Application Decision Briefing and Review of Environmental Factors document Big Red | APO0001285

Decision Maker	Monique Meyer
Prepared by	Marianne Bonnay
Title	EL 5800 (1992)
Authorised Representative	
Project name	Big Red
Activity type	Complying Exploration Activity

## Issue

has sought an activity approval in respect of Big Red, within EL 5800 (1992), at Big Red - EL5800.

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,
- 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 5800 (granted 8/1/2001

& expiry 8/1/2028) to undertake assessable prospecting operations.

The current security deposit held for EL 5800 is \$34,000.

#### 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 Big Red 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 RCE0001236

# 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 Big Red 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 Big Red 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.

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 (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 ug/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).  AIR  Sealed collar and sampling system to be used on rig. Dust suppression unit for collecting sample			
	during reverse circulation drilling, with air filte potential for dust emissions. Water injection			
	dust/drilling returns and prevent airborne dus equipment with air filters cleaned on a regula	st. Clean and ma		
Duration	Short term	ai basis.		
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	N/A	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?	Partly	Justification for	or ranking	
Do the operations comply with standards, plans, policies?	Yes			
Criteria	Air Impacts: Greenhouse or ozone impacts.			
Potential impacts	Emissions from combustion of fuel associate construction, operations and rehabilitation. Fugitive emissions of gases or vapour from o	Fugitive metha	ane emissions from intercepted seams.	
Proposed management controls	Activities must comply with CEA Location Reexploration activities cannot be a CEA.			
	CO2 emissions from activities are extremely emissions and impact.	limited and incor	nsequential in context of global	
	Restrictions on use of ozone depleting subst	ances in NSW al	so 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).  AIR  Sealed collar and sampling system to be used on rig. Dust suppression unit for collecting sample during reverse circulation drilling, with air filter banks and closeable cyclone valves to limit the			
	potential for dust emissions. Water injection to sampling system when drilling to dampen dust/drilling returns and prevent airborne dust. Clean and maintained drilling rig and ancillary equipment with air filters cleaned on a regular basis.			
Duration	Medium term atmospheric residence.			
Application ranking				
What is the confidence in predicting impacts?	High  Are further studies required on impacts or mitigation?			

Harris and the discount of the	Little Desiller	14/14 !- 41	I t
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	LOW
		significance	
Can the impacts be mitigated?	Partly	Justification f	or ranking
Do the operations comply with	Yes	Justilication	or ranking
standards, plans, policies?	163		
Criteria	Air Impacts: Additional impacts on areas with	n degraded air gu	uality.
Potential impacts	Potential for temperature inversions in winter	r to tran dust and	l air particulates. Wind erosion
· otomiai impuoto	possible from exposed soils. Particulate emissions from vehicles and machinery. Dust		
	generation from operating machinery, vehicle		,
Proposed management controls	Activities must comply with CEA Location Re		
		, '	
	Activities must comply with (Exploration Cod	e of Practice: En	vironmental Management) as per the
	commitment in the application (APO). Relev		s of this Code include:
	a. Activities must comply with cumulative AC		
	b. Emissions from the activities should not re		
	(24hr) or 30 ug/m3 (annual average) at any of		
	c. Emissions from the activities should not re		
	ug/m3 (24hr) or 8 ug/m3 (annual average) at d. Vehicle speeds limited to minimise dust.	t any occupied re	esidence.
	e. Roads watered during high traffic periods.		
	f. Surface disturbance managed in accordan		ak
	1. Odnace disturbance managed in accordan	ice with blue boo	JK.
	Impacts of any drilling limited to immediate v	ricinity of drilling	due to controls set out in Exploration
	Code of Practice: Environmental Manageme		
	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).		
	AIR Sealed collar and sampling system to be used on rig. Dust suppression unit for collecting sample during reverse circulation drilling, with air filter banks and closeable cyclone valves to limit the potential for dust emissions. Water injection to sampling system when drilling to dampen dust/drilling returns and prevent airborne dust. Clean and maintained drilling rig and ancillary equipment with air filters cleaned on a regular basis.		
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	
	V	concern?	
Can the impacts be reversed?	Yes	Ranking of	Low
		potential	
Con the imports he mithest do	Double	significance	
Can the impacts be mitigated?	Partly	Justification f	or ranking
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Water Impacts: Impacts from the use of curf	l ace or groundwo	ter
Cittella	Water Impacts: Impacts from the use of surface or groundwater.		

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 depoperations. Groundwater depressurisation e				
	Mobilisation of pollutants (such as hydrocarb	oons) in surface v	water or aquifers.		
	Surface Water (SW) There are no existing surface water sources activity. Drill collars are located on previously				
Proposed management controls	Activities must comply with CEA Location Re	estrictions, Impac	ct Thresholds and Criteria.		
	Activities must comply with Exploration Code commitment in the application (APO). Relev a. Activities must implement all measures to or quantity. b. Activities must not cause adverse impacts water supplies used by livestock).	ant requirements prevent causing	s of this Code include: any adverse impacts on water quality		
	Water used for access track watering must b consent of owner).	e obtained from	licensed source or farm dams (with		
	Boreholes to be constructed, operated and decommissioned in accordance with authority/title conditions, Departmental Guidelines and Codes of Practice to protect groundwater/aquifers.				
	SW management: As reverse circulation (RC) drilling is by air methods, bulk water is not required for drilling operations, and as such there will be no need to draw water from surface sources on the exploration site during this program. Minor water to be used for dust suppression during drilling will be provided by the contractor, and held in dedicated tanks.  Water returns during drilling operations will be collected in above-ground sumps for pumping and disposal at the Northparkes Mine site Surface Surge Dams for recycling.  EPA licence 4784.				
	GW Management: Any drill fluids or ground water encountered through drilling will be captured pumped from the collar tray to the above ground sumps. This will ensure that no fluids used or encountered through the drilling process can make contact with the local ground or be uncontrollably released into the local environment. As required throughout, and at the end of the program, water will be extracted from the sumps using a vacuum extraction truck and all fluid is deposited in the Surface Surge Dams and processed in accordance with Northparkes 'Operation Water' Management Plan. EPA licence 4784.				
	In the case of water being intersected during once bulk water is encountered, to prevent s		pperations, holes will be terminated		
Duration	Short term				
Application ranking What is the confidence in	High	Are further	No		
predicting impacts?	ngii	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	Water Impacts: Impacts from storage of water	el .			

#### Potential impacts

Negligible and only localised impacts from storage of water.

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

#### SW

Water returns during drilling operations will be collected in above-ground sumps for pumping and disposal at the Northparkes Mine site Surface Surge Dams for recycling. EPA licence 4784.

#### **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).

#### SW

Water returns during drilling operations will be collected in above-ground sumps for pumping and disposal at the Northparkes Mine site Surface Surge Dams for recycling. EPA licence 4784.

#### GW

Any drill fluids or ground water encountered through drilling will be captured and pumped from the collar tray to the above ground sumps. This will ensure that no fluids used or encountered through the drilling process can make contact with the local ground or be uncontrollably released into the local environment. As required throughout, and at the end of the program, water will be extracted from the sumps using a vacuum extraction truck and all fluid is deposited in the Surface Surge Dams and processed in accordance with Northparkes 'Operational Water' Management Plan. EPA licence 4784.

In the case of water being intersected during aircore drilling operations, holes will be terminated once bulk water is encountered, to prevent surface flow.

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 f	or ranking
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Water Impacts: Impacts from changes to na	tural water bodies	s, 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.  SW  There are no existing surface water sources in the proposed work area that will be affected by the activity. Drill collars are located on previously disturbed agricultural land.			
Proposed management controls	Activities must comply with CEA Location Re	estrictions, Impac	ct 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).  SW management: As reverse circulation (RC) drilling is by air methods, bulk water is not required for drilling operations, and as such there will be no need to draw water from surface sources on the exploration site during this program. Minor water to be used for dust suppression during drilling will be provided by the contractor, and held in dedicated tanks.  Water returns during drilling operations will be collected in above-ground sumps for pumping and disposal at the Northparkes Mine site Surface Surge Dams for recycling.			
Duration	EPA licence 4784.			
Duration Application ranking	Short term			
What is the confidence in predicting impacts?	High	Are further studies required on impacts or	No	
11	Histor Davillance	mitigation?	L	
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 ranking			
Do the operations comply with standards, plans, policies?	Yes			
Criteria	Water Impacts: Impacts from aquifer interfer	ence, including o	changes to inter-aquifer connectivity.	
Potential impacts	No use of groundwater but potential loss throoperations.	ough produced w	ater in drilling / deep excavation	
	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.			

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 ar	oundwater sources
	c. Activities must minimise any depressurisa		
	d. Coal and petroleum title holders must pre Modelling Plan in consultation with NSW Off		ent and Groundwater Monitoring &
	Boreholes to be constructed, operated and conditions, Departmental Guidelines and Co		
	GW Management: Any drill fluids or ground water encountered through drilling will be captured and pumped from the collar tray to the above ground sumps. This will ensure that no fluids used or encountered through the drilling process can make contact with the local ground or be uncontrollably released into the local environment. As required throughout, and at the end of the		
	program, water will be extracted from the sumps using a vacuum extraction truck and all fluid is deposited in the Surface Surge Dams and processed in accordance with Northparkes 'Operational Water' Management Plan. EPA licence 4784.		
	In the case of water being intersected during once bulk water is encountered, to prevent s		pperations, holes will be terminated
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 f	or ranking
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Water Impacts: Impacts from changes to floo	oding or tidal reg	imes.
Potential impacts	Negligible and only localised changes to dra	inage flows/flood	ling regime.
	Surface runoff can be sediment laden. SW		
	There are no existing surface water sources	in the prepared	work area that will be offeated by the

#### **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). SW management: As reverse circulation (RC) drilling is by air methods, bulk water is not required for drilling operations, and as such there will be no need to draw water from surface sources on the exploration site during this program. Minor water to be used for dust suppression during drilling will be provided by the contractor, and held in dedicated tanks. Water returns during drilling operations will be collected in above-ground sumps for pumping and disposal at the Northparkes Mine site Surface Surge Dams for recycling. EPA licence 4784. Duration Short term Application ranking What is the confidence in Are further High No predicting impacts? studies required on impacts or mitigation?

What is the

Ranking of

Water Impacts: Impacts from changes in surface or groundwater quality and quantity.

potential significance

Justification for ranking

level of

public concern?

Low

Low

How resilient is the environment to

Can the impacts be reversed?

Can the impacts be mitigated?

Do the operations comply with standards, plans, policies?

Criteria

cope with impacts?

High Resilience

Yes

Fully

Potential impacts	Water used for exploration temporarily not available for ecological, stock, domestic or irrigation purposes.				
	Surface runoff can be sediment laden from a	areas where vege	etation has been removed.		
	Generally minimal surface water use (must be agreements).	pe licensed or use	e of farm dams through landholder		
	No use of groundwater but potential loss through produced water in drilling / deep excavation operations.				
	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 / ove	erflow from drillin	g sumps.		
	There are no existing surface water sources in the proposed work area that will be affected by the activity. Drill collars are located on previously disturbed agricultural land.  SW management: As reverse circulation (RC) drilling is by air methods, bulk water is not required for drilling operations, and as such there will be no need to draw water from surface sources on the exploration site during this program. Minor water to be used for dust suppression during drilling with be provided by the contractor, and held in dedicated tanks.  Water returns during drilling operations will be collected in above-ground sumps for pumping and disposal at the Northparkes Mine site Surface Surge Dams for recycling.  EPA licence 4784.  GW Management: Any drill fluids or ground water encountered through drilling will be captured a pumped from the collar tray to the above ground sumps. This will ensure that no fluids used or encountered through the drilling process can make contact with the local ground or be uncontrollably released into the local environment. As required throughout, and at the end of the program, water will be extracted from the sumps using a vacuum extraction truck and all fluid is deposited in the Surface Surge Dams and processed in accordance with Northparkes 'Operation Water' Management Plan. EPA licence 4784.				
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				
Duration	Book to minimise off-site impacts. 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: Degradation of soil acidification).	quality (including	contamination, salinisation or		

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.			
	Inappropriate disposal of drilling wastes / overflow from drilling sumps.			
	Exposure of acid sulfate soils.			
	Soil compaction from construction/operation	S.		
	Impacts on land with high agricultural capab	ility.		
	Land Soil Capability 4.  The cover is comprised of alluvial soils which have been subject to decades of agricultural activity. The proposed drill program will not impact the local rate of erosion and dispersion, with all holes located on previously disturbed agricultural land. All vehicle tracks will avoid existing contour banks and will use established (agricultural activity) tracks to traverse where necessary. There are no known instances of potential or actual acid sulfate soils in the area, and none of the proposed drilling activities are located on strategic agricultural land.			
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	High Resilience	What is the	Low	
cope with impacts?	Ĭ	level of		
		public		
Con the immedia he was seed to	Vac	concern?	Law	
Can the impacts be reversed?	Yes	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: Impacts on land with high agricultural 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	oons) 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	cts.		
	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.		
	Disruption to agricultural / livestock operation	ns.		
	Land Soil Capability 4.			
	The cover is comprised of alluvial soils which have been subject to decades of agricultural activity. The proposed drill program will not impact the local rate of erosion and dispersion, with all holes located on previously disturbed agricultural land. All vehicle tracks will avoid existing contour banks and will use established (agricultural activity) tracks to traverse where necessary. There are no known instances of potential or actual acid sulfate soils in the area, and none of the proposed drilling activities are located on strategic agricultural land.			
Proposed management controls				
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?	High Resilience	What is the level of public	Low	
Can the impacts be reversed?	Yes	concern? 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 Standards, plans, policies :	Soil & Stability Impacts: Loss of soil from wir	ı nd or water erosid	on.	
Potential impacts	Increased risk of erosion where vegetation h	as been remove	d.	
·	Potential erosion of disturbed areas.	· ·		
	Land Soil Capability 4.  The cover is comprised of alluvial soils which the proposed drill program will not impact the located on previously disturbed agricultural leand will use established (agricultural activity known instances of potential or actual acid suffilling activities are located on strategic agri	ne local rate of en and. All vehicle to tracks to travers ulfate soils in the	osion and dispersion, with all holes racks will avoid existing contour banks se where necessary. There are no	

Proposed management controls  Duration	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).		
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 Soil & Stability Impacts: Loss of structural int	earity of the soil.	
Potential impacts	Soil compaction from access traffic, use of p	0 ,	
	Soil erosion from disturbed areas / areas where vegetation has been removed.  Mobilisation of pollutants (such as hydrocarbons) in soils. Land Soil Capability 4.  The cover is comprised of alluvial soils which have been subject to decades of agricultural activity. The proposed drill program will not impact the local rate of erosion and dispersion, with all holes located on previously disturbed agricultural land. All vehicle tracks will avoid existing contour banks and will use established (agricultural activity) tracks to traverse where necessary. There are no known instances of potential or actual acid sulfate soils in the area, and none of the proposed drilling activities are located on strategic agricultural land.		
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 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?			
Do the operations comply with standards, plans, policies?	Yes	Lilia ial- li i . li	
Criteria	Soil & Stability Impacts: Increased land insta	idility with high ris	sks from land slides or subsidence.

Potential impacts	Minimal potential impacts.				
	Soil erosion from disturbed areas / areas where vegetation has been removed.				
	Negligible impacts from induced seismicity or ground movements associated with the activity, extraction of groundwater, etc.  Local relief in the area is less than 10m, with the locations to be drilled in gently undulating land with relief less than 5m. Land use in the area is dominated by cereal cropping, with minor grazing – the majority of the area having been cleared for these purposes. The proposed work areas for the activity lie on these cleared land. Minor open eucalypt scrub occur nearby, but will not be impacted by the proposed activities.				
	PHOTOS Photo 23P043, Photo 23P045, P6hoto 23P046, Photo 23P047, Photo 23P048- Grass and f Photo 23P044- Grass with bar patch relatively flat.				
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 (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 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		-		
Criteria	Noise & Vibration Impacts: Results in increase	sed noise or vibr	ation.		
Potential impacts	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 12 hours a day, 7 days a week 23 May 2024- 13 June 2024. The nearest sensitive receptor, Boonara, is over 4,200m 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. 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.  TIMING/NOISE  Noise management: Any significant change in noise levels, or notification of noise from sensitive receivers during drilling operations will result in the suspension of drilling operations until rectified to a level acceptable to receivers.			
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	Medium	
сорорассо .		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 standards, plans, policies?	Yes			
Criteria	Noise & Vibration Impacts: Affects sensitive	receptors.		
Potential impacts	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 impa	cts which may in	npact vibration sensitive sites.	
	Vibroseis machinery has vibration impacts which may impact vibration sensitive sites. TIMING/NOISE 12 hours a day, 7 days a week 23 May 2024- 13 June 2024. The nearest sensitive receptor, Boonara, is over 4,200m away.			

Proposed management controls	Activities must comply with CEA Location Re	estrictions. Impac	ct 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. 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 m significance or cliff line greater than 4m in he		of Aboriginal / European heritage		
	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 explo	oration activity.			
	TIMING/NOISE  Noise management: Any significant change in noise levels, or notification of noise from sensitive receivers during drilling operations will result in the suspension of drilling operations until rectified a level acceptable to receivers.				
Duration	Short term				
Application ranking		1			
What is the confidence in predicting impacts?	High	Are further studies	No		
predicting impacts:		required on			
		impacts or			
How resilient is the environment to	High Resilience	mitigation? What is the	Medium		
cope with impacts?	High Resilience	level of	Medium		
		public			
Con the impacts he versused?	Vee	concern?	Low		
Can the impacts be reversed?	Yes	Ranking of potential	Low		
		significance			
Can the impacts be mitigated?	Fully	Justification f	or ranking		
Do the operations comply with standards, plans, policies?	Yes				
Criteria	Coastal Location & Processes: Affects coast	tal processes and	d coastal hazards, including those		
Detential immedia	under projected climate change conditions.  Activities along the coastline / floodways have the potential to exacerbate coastal erosion (rising sea				
Potential impacts	levels and increased storm activity under pro	ojected climate cl			
Drawand management controls	increased erosion along the coastline / flood Activities must comply with CEA Location Re		at Threeholds and Critaria Activities		
Proposed management controls	must comply with (Exploration Code of Praction				
	commitment in the application (APO). Relev	ant requirements	s of this Code include: a. Activities		
	must implement all measures to prevent cau				
	b. All sediment and erosion controls (including accordance with Blue Book. CO2 emissions)		roads/access tracks) to be managed in es are extremely limited and		
	inconsequential in context of global emission	ns and impact.	Restrictions on use of ozone		
	depleting substances in NSW also limits ozo		All disturbed areas to be rehabilitated		
	in accordance with title conditions (Exploration occur as soon as practicable after completion				
Duration	Short term	,	,		
Application ranking	Lliab	A wa fu with a w	No		
What is the confidence in predicting impacts?	High	Are further studies	No		
,		required on			
		impacts or mitigation?			
How resilient is the environment to	High Resilience	What is the	Low		
cope with impacts?	3	level of			
		public			
Can the impacts be reversed?	Yes	concern? Ranking of	Low		
pasta 20 101010001		potential			
Con the lower stall 1911 to 19	Follo	significance			
Can the impacts be mitigated?  Do the operations comply with	Fully   Yes	Justification f	ог гапкіng		
	1 100	1			
standards, plans, policies?					
standards, plans, policies? Criteria	Hazardous substances or chemicals: Impact transport of hazardous substances or chemi		n the use, generation, storage or		

Potential impacts	Mobilisation of pollutants (such as hydrocart drilling wastes / overflow from drilling sumps	. Use of pes	ticides, herbicides, fertilisers or other	
Proposed management controls	chemicals have the potential to build up residual Activities must comply with CEA Location Re			
Proposed management controls	Activities must comply with CEA Location Real Activities must comply with (Exploration Code commitment in the application (APO). Releval. Preventing contamination of the environm pollutants.  b. Preventing any land degradation or pollutic. Controls on sumps and management of cld. Use of pesticides, herbicides, fertilisers or requirements.  e. Wastes+A34 (including any drilling by-prolawfully.  All management and storage of produced was the Exploration Code of Practice: Produced i. petroleum exploration which requires then ii. activities which require produced water to incidental groundwater mixed with drilling fluor above ground tanks).  All disturbed areas to be rehabilitated in accipractice: Rehabilitation). Rehabilitation to occite the commitment of the content of the cont	de of Practice: Envant requirements the release to significant to significant to significant to the release to significant to	et Thresholds and Criteria.  Avironmental Management) as per the sof this Code include: se of chemicals, fuels, other potential on of land or water.  A ficantly reduce risk to environment.  A must comply with legislative sected, segregated and disposed of a with the title conditions. In addition, ent, Storage and Transfer applies to produced water, or a (excluding the management of emporarily contained in drilling sumps are conditions (Exploration Code of practicable after completion of activity.	
	CHEMICAL Any hydrocarbons and chemicals stored onsite are to be stored on a bunded pallet or bunded			
	surface in vehicles, to avoid contamination to underlain by a PVC 'rig nappy' or heavy duty is located is lined with plastic and monitored Spill kits are available on each site and cont- for any spillages.	ets, and ground where other equipment ally checks for rips, tears or breaches.		
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	Low	
		significance		
Can the impacts be mitigated?	Fully	Justification for 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 hydrocarbons) in soils, air or waters. Inappropriate disposal of drilling wastes / overflow from drilling sumps. Fugitive emissions of gases or vapour from drilling operations or the operation of flares. Use of pesticides, herbicides, fertilisers or other chemicals have the potential to build up residues in the environment, including in soils and water.			

#### **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. Preventing contamination of the environment by the release of chemicals, fuels, other potential pollutants. b. Preventing any land degradation or pollution/contamination of land or water. c. Controls on sumps and management of chemicals to significantly reduce risk to environment. d. Use of pesticides, herbicides, fertilisers or 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 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. No Special Waste as defined by the EPA Waste Classification Guidelines will be created during the completion of the exploration program. Waste bins are provided onsite. Any contaminated or general waste will be returned to Northparkes mine site and disposed of in accordance with Northparkes 'Non Mineral Waste' Management Plan. Recyclable items are separated onsite and deposited in Northparkes recycling bins. Training is provided for all contractors and employees during general inductions on characterisation of waste and methods of disposal. Upon completion of the work any grid pegs or survey tape placed by Northparkes shall be removed. The drill site shall be cleared of any refuse as soon as practicable after completion of operations. General solid waste (non-putrescible) that contains or is exposed to hydrocarbons will be collected and disposed of separately from general waste. All drill cuttings will be removed from site and kept for analysis purposes at NPO. 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? Ranking of Can the impacts be reversed? Yes Low potential significance Justification for ranking Can the impacts be mitigated? Fully Do the operations comply with standards, plans, policies? Wastes & Emissions: Impacts on drinking water catchments, wetlands, natural water bodies, Criteria 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.

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agreements). No us excavation operations.

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

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

creeks can cause stream bank erosion from vehicle wash.

wastes / overflow from drilling sumps.

groundwater systems in drilling operations. Groundwater depressurisation effects on surface water.

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

Ford across

Inappropriate disposal of drilling

Interception, cross contamination and/or depressurisation of

#### **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. SW management: As reverse circulation (RC) drilling is by air methods, bulk water is not required for drilling operations, and as such there will be no need to draw water from surface sources on the exploration site during this program. Minor water to be used for dust suppression during drilling will be provided by the contractor, and held in dedicated tanks. Water returns during drilling operations will be collected in above-ground sumps for pumping and disposal at the Northparkes Mine site Surface Surge Dams for recycling. EPA licence 4784. GW Management: Any drill fluids or ground water encountered through drilling will be captured and pumped from the collar tray to the above ground sumps. This will ensure that no fluids used or encountered through the drilling process can make contact with the local ground or be uncontrollably released into the local environment. As required throughout, and at the end of the program, water will be extracted from the sumps using a vacuum extraction truck and all fluid is deposited in the Surface Surge Dams and processed in accordance with Northparkes 'Operational Water' Management Plan. EPA licence 4784. 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 standards, plans, policies? Criteria Wastes & Emissions: Impacts on groundwater recharge areas or areas with high water table. **Potential impacts** 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 hydrocarbons) in surface water or aquifers.

Inappropriate disposal of drilling wastes / overflow from drilling sumps.

Vegetation clearance in recharge areas can increase salinity.

Acid drainage due to exposure of acid sulfate soils.

#### **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 decommissioned in accordance with authority/title conditions, Departmental Guidelines and Codes of Practice to protect groundwater/aquifers. Drill holes to be cased where aguifers intercepted (minimal impact on recharge and salinity). GW Management: Any drill fluids or ground water encountered through drilling will be captured and pumped from the collar tray to the above ground sumps. This will ensure that no fluids used or encountered through the drilling process can make contact with the local ground or be uncontrollably released into the local environment. As required throughout, and at the end of the program, water will be extracted from the sumps using a vacuum extraction truck and all fluid is deposited in the Surface Surge Dams and processed in accordance with Northparkes 'Operational Water' Management Plan. EPA licence 4784. Duration Short term Application ranking What is the confidence in Are further High Nο 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? Ranking of Can the impacts be reversed? Yes Low potential significance Can the impacts be mitigated? Justification for ranking Fully Do the operations comply with standards, plans, policies? Criteria Wastes and Emissions: Impacts on coastlines or dunes, alpine areas, karst features or other unique landforms. Potential impacts Negligible and only localised impacts on unique landforms. Mobilisation of pollutants in soils, surface water or aquifers. Short term noise, air quality and visual impacts. Particulate emissions from plant and machinery; fugitive emissions of gases or vapour from drilling operations and the operation of flares. 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. 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). All planned drill pads are in areas currently used for pastoral / cropping purposes. These areas have

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been extensively disturbed by farming activities.

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			
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	Yes			
standards, plans, policies? Criteria	Wastes & Emissions: Impacts on erosion prodegrees.	one areas, areas	with slopes of greater than 18	
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.  Local relief in the area is less than 10m, with the locations to be drilled in gently undulating land with relief less than 5m. Land use in the area is dominated by cereal cropping, with minor grazing – the			
	majority of the area having been cleared for activity lie on these cleared land. Minor oper by the proposed activities.	these purposes.  i eucalypt scrub	The proposed work areas for the occur nearby, but will not be impacted	
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				
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	or olim and		
Criteria	Wastes & Emissions: Impacts on subsidence	e or slip areas.		

Potential impacts	Soil erosion from disturbed areas / areas where vegetation has been removed may increase risk of slips.			
	Drilling operations unlikely to contribute to sl	ips or subsidence	е.	
	Local relief in the area is less than 10m, with the locations to be drilled in gently undulating land with relief less than 5m. Land use in the area is dominated by cereal cropping, with minor grazing – the majority of the area having been cleared for these purposes. The proposed work areas for the activity lie on these cleared land. Minor open eucalypt scrub occur nearby, but will not be impacted by the proposed activities.			
Proposed management controls  Duration	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.			
Application ranking	Short term			
What is the confidence in predicting impacts?	High	Are further studies required on	No	
How resilient is the environment to	High Resilience	impacts or mitigation? What is the	Low	
cope with impacts?	Man	level of public concern?	Low	
Can the impacts be reversed?	Yes	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	acid sulphate, so	odic or highly permeable soils.	
	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.  Land Soil Capability 4.  The cover is comprised of alluvial soils which have been subject to decades of agricultural activity. The proposed drill program will not impact the local rate of erosion and dispersion, with all holes located on previously disturbed agricultural land. All vehicle tracks will avoid existing contour banks and will use established (agricultural activity) tracks to traverse where necessary. There are no known instances of potential or actual acid sulfate soils in the area, and none of the proposed drilling activities are located on strategic agricultural land.			
Proposed management controls  Duration	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.			
Application ranking What is the confidence in	High	Ara furtha-	No	
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 for	or ranking			
Do the operations comply with standards, plans, policies?	Yes					
Criteria	Wastes & Emissions: Impacts on areas with	Wastes & Emissions: Impacts on areas with salinity or potential salinity problems.				
Potential impacts	Activities unlikely to exacerbate salinity problems.					
·		removal may reduce vegetation drawdown of water 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 bee removed.  Land Soil Capability 4.  The cover is comprised of alluvial soils which have been subject to decades of agricultural acti. The proposed drill program will not impact the local rate of erosion and dispersion, with all hole located on previously disturbed agricultural land. All vehicle tracks will avoid existing contour be and will use established (agricultural activity) tracks to traverse where necessary. There are not known instances of potential or actual acid sulfate soils in the area, and none of the proposed drilling activities are located on strategic agricultural land.					
	GW Management: Any drill fluids or ground water encountered through drilling w pumped from the collar tray to the above ground sumps. This will ensure that no encountered through the drilling process can make contact with the local ground uncontrollably released into the local environment. As required throughout, and a program, water will be extracted from the sumps using a vacuum extraction truck deposited in the Surface Surge Dams and processed in accordance with Northpa Water' Management Plan. EPA licence 4784.					
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.					
Duration	Short term	o anor complete	ii oi douvily.			
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?			Low			
Can the impacts he mitigated?	Yes	Ranking of potential				
Can the impacts be mitigated?  Do the operations comply with		potential significance	or ronking			
standards, plans, policies?	Fully Yes	potential	or ranking			

Potential impacts	Activity unlikely to result in any change to ex	isting contamina	ted soils or migration of contaminants.		
	Soil erosion and sediment laden runoff from disturbed areas / areas where vegetation has been removed.				
	Mobilisation of pollutants (such as hydrocarb	oons) 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 imp	act on contamina	ated soils.		
	Land Soil Capability 4.  The cover is comprised of alluvial soils which have been subject to decades of agricultural activation. The proposed drill program will not impact the local rate of erosion and dispersion, with all hole located on previously disturbed agricultural land. All vehicle tracks will avoid existing contour be and will use established (agricultural activity) tracks to traverse where necessary. There are no known instances of potential or actual acid sulfate soils in the area, and none of the proposed drilling activities are located on strategic agricultural land.				
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			T		
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?	riigiri (esiileriee	level of public concern?	250		
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	Wastes & Emissions: Impacts on areas with	dograded or con	staminated water (ground or surface)		
	•		,		
Potential impacts	Activities unlikely to have any additional important water (ground or surface). Boreholes to be contained to the contained and the contained are contained as a surface of the contained are contained				
	Surface runoff can be sediment laden from a	areas where vege	etation 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 / over	erflow from drillin	ng sumps.		
	Excavations excluded from acid sulfate soils	i.			
	SW There are no existing surface water sources activity. Drill collars are located on previously		•		

#### **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.

SW management: As reverse circulation (RC) drilling is by air methods, bulk water is not required for drilling operations, and as such there will be no need to draw water from surface sources on the exploration site during this program. Minor water to be used for dust suppression during drilling will be provided by the contractor, and held in dedicated tanks.

Water returns during drilling operations will be collected in above-ground sumps for pumping and disposal at the Northparkes Mine site Surface Surge Dams for recycling. EPA licence 4784.

GW Management: Any drill fluids or ground water encountered through drilling will be captured and pumped from the collar tray to the above ground sumps. This will ensure that no fluids used or encountered through the drilling process can make contact with the local ground or be uncontrollably released into the local environment. As required throughout, and at the end of the program, water will be extracted from the sumps using a vacuum extraction truck and all fluid is deposited in the Surface Surge Dams and processed in accordance with Northparkes 'Operational Water' Management Plan. EPA licence 4784.

In the case of water being intersected during aircore drilling operations, holes will be terminated once bulk water is encountered, to prevent surface flow.

Duration	Short term		
Application ranking	Chort term		
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	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 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 temporarily impact wildlife corridors and remnant vegetation.				
	Areas used for exploration activities, access tracks, etc not available for fauna habit				
	Mobilisation of pollutants (such as hydrocarb	oons) 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		eve 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 3000sqm. 6 EDH proposed in Block 697 Unit b. Surface disturbance at each of the planned of that poses a hazard to either drill crews or estones, rotten and fallen timber, to provide a removed prior to the commencement of work Apart from the drill collar, no in-ground excapbeing available to hold excess water encoun	quipment (trip or safe working en ks will be replace vation is anticipat tered in drilling.	fire hazards), such as old crop stubble, vironment. Any such surficial material d on the completion of the program. ted on site, with above ground sumps All water and fluids created or used in		
	the drilling process will be captured and pum	ped in the sump	S.		
Proposed management controls	Activities must comply with CEA Location Remust comply with (Exploration Code of Pract commitment in the application (APO). Relevextent of vegetation clearing and surface dis impacts to fauna caused by vegetation clear Access track widths unlikely to pose significar rehabilitated in accordance with title condition Rehabilitation to occur as soon as practicable.	tice: Environment cant requirements turbance to as lo ing, including relo ant barrier to faur ns (Exploration C	tal Management) as per the softhis Code include: a. Minimise we as practicable. b. Prevent adverse ocation of resident fauna. c. All disturbed areas to be code of Practice: Rehabilitation).		
	Short term	c arter completio	ii oi activity.		
Duration	Short term				
Application ranking					
	High	Are further studies required on impacts or mitigation?	No		
Application ranking What is the confidence in		studies required on	No		
Application ranking What is the confidence in predicting impacts?  How resilient is the environment to	High	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential			
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?	High High Resilience Yes Fully	studies required on impacts or mitigation? What is the level of public concern? Ranking of	Low		
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	High High Resilience Yes	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	Low		
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?	High High Resilience Yes Fully Yes	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification f	Low Low or ranking		
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	High  High Resilience  Yes  Fully  Yes  Threatened Fauna Species: Any adverse eff a viable local population of the species is like No impacts. CEA impact thresholds appl declared as areas of outstanding biodiversity	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification f	Low  Low  Cle of any threatened species such that at risk of extinction.  Innot be a CEA if it: 1. occurs on land abitat, 2. has a significant effect on		
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	High  High Resilience  Yes  Fully Yes  Threatened Fauna Species: Any adverse eff a viable local population of the species is like No impacts. CEA impact thresholds appl	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification fe ect on the life cyely to be placed a y. An activity ca y value / critical h s, or their habitat al communities, i ched BioNet Atla	Low  Low  Cle of any threatened species such that at risk of extinction.  Innot be a CEA if it: 1. occurs on land abitat, 2. has a significant effect on s.  Including their habitats, within the s search (Appendix 6).		
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	High  High Resilience  Yes  Fully Yes  Threatened Fauna Species: Any adverse eff a viable local population of the species is like No impacts. CEA impact thresholds appl declared as areas of outstanding biodiversity threatened species or ecological communite SENSITIVITY There are no threatened species or ecologic proposed work area. Please refer to the atta Close to Terrestrial biodiversity zones but av Biodiversity").	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification fe ect on the life cyely to be placed a y. An activity ca y value / critical h s, or their habitat al communities, i ched BioNet Atla	Low  Low  Cle of any threatened species such that at risk of extinction.  Innot be a CEA if it: 1. occurs on land abitat, 2. has a significant effect on s.  Including their habitats, within the s search (Appendix 6).		

What is the confidence in	N/A	Are further	N/A
predicting impacts?		studies	
		required on	
		impacts or	
	21/2	mitigation?	21/2
How resilient is the environment to	N/A	What is the	N/A
cope with impacts?		level of	
		public	
0 4h 1 10	N1/A	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	- Custilloution is	or running
standards, plans, policies?	14/7		
Criteria	Threatened Flora Species: Any adverse effe	ct on the life cvcl	e of any threatened species such that
	a viable local population of the species is like		
Potential impacts			nnot be a CEA if it: 1. occurs on land
·	declares as areas of outstanding biodiversity		
	any threatened species or ecological commu		
Proposed management controls	SENSITIVITY		
	There are no threatened species or ecologic		
	proposed work area. Please refer to the atta		
	Close to Terrestrial biodiversity zones but av	oided (refer to m	ap provided "Big Red Terrestrial
	Biodiversity").		
	PCT observed is Plains Grass grassland.		
Duration	N/A		
Duration Application rapking	N/A		
Application ranking	N/A	Aug fruithau	NI/A
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	Low
cope with impacts?	IN/A	level of	LOW
cope with impacts:		public	
		concern?	
Can the impacts be reversed?	N/A	Ranking of	
Can the impacts be reversed:	IV/A	potential	
		significance	
Can the impacts be mitigated?	N/A	Justification for	or ranking
Do the operations comply with	N/A		· · · · · · · · · · · · · · · · · · ·
standards, plans, policies?			
Criteria	Areas of outstanding biodiversity value/Critic	al habitat: This ir	ncludes: a. declared areas of
	outstanding biodiversity value under the Biod		
	critical habitat under the Fisheries Managem		
Potential impacts	Potential impacts limited due to CEA impact	threshold restrict	tions. CEAs are not permitted to
·	occur on land declared as areas of outstand	ing biodiversity va	alue or critical habitat. CEAs are
	not permitted to have a significant impact on	threatened fauna	a or flora species or ecological
	communities (or their habitats). (Also refer	to flora and faun	a impact tables).
Proposed management controls	SENSITIVITY		
	There are no threatened species or ecologic		
	proposed work area. Please refer to the atta		
	Close to Terrestrial biodiversity zones but av	oided (refer to m	ap provided "Big Red Terrestrial
	Biodiversity").		
	PCT observed is Plains Grass grassland.		
Demotion	N/A		
Duration Tanking	N/A		
Application ranking	N/A	Aug frontle co	N/A
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	Low
cope with impacts?	IN/C	level of	LOW
cope with impacts?		public	
		concern?	
Can the impacts be reversed?	N/A	Ranking of	
oun and impacts be reversed?	13/73	potential	
		significance	
Can the impacts be mitigated?	N/A	Justification for	or ranking
oun the impacts be initigated:	13/73	- Justinication i	or ramming

Do the operations comply with standards, plans, policies?	N/A				
Criteria 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/p	lant diseases.			
	Removal of vegetation, barriers created by access tracks, etc can interrupt movement of fauna species.  SENSITIVITY  There are no threatened species or ecological communities, including their habitats, within the proposed work area. Please refer to the attached BioNet Atlas search (Appendix 6).				
	Close to Terrestrial biodiversity zones but av Biodiversity"). PCT observed is Plains Grass grassland.	olded (Telel to II	lap provided big Ned Terrestrial		
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	T.P. I		La		
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	Habitat of a threatened species or ecological	community			
Potential impacts	Potential impacts limited due to CEA impact threshold restrictions. 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).				
Proposed management controls	N/A SENSITIVITY There are no threatened species or ecological communities, including their habitats, within the proposed work area. Please refer to the attached BioNet Atlas search (Appendix 6). Close to Terrestrial biodiversity zones but avoided (refer to map provided "Big Red Terrestrial Biodiversity"). PCT observed is Plains Grass grassland.				
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	N/A	What is the	Low
cope with impacts?		level of	
		public concern?	
Can the impacts be reversed?	N/A	Ranking of	
·		potential	
Con the immedia he militarie do	N/A	significance	
Can the impacts be mitigated?  Do the operations comply with	N/A N/A	Justification f	or ranking
standards, plans, policies?	N/A		
Criteria	Habitat of protected aquatic species or those	with conservation	on status.
Potential impacts	Negligible and only localised changes to dra	inage flows/flood	ling regime.
	Water used for exploration not available for e	ecological purpos	ses.
	Surface runoff can be sediment laden from a	areas where vege	etation has been removed.
	Generally minimal surface water use (must be agreements).	oe 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 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 of	erosion from veh	icle wash.
	Inappropriate disposal of drilling wastes / overflow from drilling sumps. SENSITIVITY		
	There are no threatened species or ecological communities, including their habitats, within the proposed work area. Please refer to the attached BioNet Atlas search (Appendix 6).  Close to Terrestrial biodiversity zones but avoided (refer to map provided "Big Red Terrestrial Biodiversity").  PCT observed is Plains Grass grassland.		
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 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	High Resilience	What is the	Low
cope with impacts?		level of public 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	Yes	Justinication	or ranking
standards, plans, policies?			
Criteria	Key Threatening Processes: As outlined in S Includes: a. alteration, removal, clearly or c hollow bearing trees c. removal of dead wo exotic species.	degradation of ha	abitat and native vegetation b. loss of

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.		
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.  DISTURBANCE 3000sqm.  6 EDH proposed in Block 697 Unit b.  Surface disturbance at each of the planned drill sites will be limited to manual clearing of material that poses a hazard to either drill crews or equipment (trip or fire hazards), such as old crop stubble, stones, rotten and fallen timber, to provide a safe working environment. Any such surficial material removed prior to the commencement of works will be replaced on the completion of the program. Apart from the drill collar, no in-ground excavation is anticipated on site, with above ground sumps being available to hold excess water encountered in drilling. All water and fluids created or used in the drilling process will be captured and pumped in the sumps.		
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?	Tilgit Nesillerice	level of	LOW
oops will impaster		public	
		concern?	
Can the impacts be reversed?	Yes	Ranking of potential significance	Low
Can the impacts be mitigated?	Fully	Justification for ranking	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Barriers to movement of fauna: Any potential to endanger, displace or disturb fauna (including fauna of conservation significance) or create a barrier to their movement.		
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 disturbed areas, that could lead to soil or water contamination or land degradation. Spread of weeds, pest animals and animal/plant diseases.		

#### **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. DISTURBANCE 3000sqm. 6 EDH proposed in Block 697 Unit b. Surface disturbance at each of the planned drill sites will be limited to manual clearing of material that poses a hazard to either drill crews or equipment (trip or fire hazards), such as old crop stubble, stones, rotten and fallen timber, to provide a safe working environment. Any such surficial material removed prior to the commencement of works will be replaced on the completion of the program. Apart from the drill collar, no in-ground excavation is anticipated on site, with above ground sumps being available to hold excess water encountered in drilling. All water and fluids created or used in the drilling process will be captured and pumped in the sumps. Duration Short term **Application ranking** What is the confidence in High Are further Nο predicting impacts? studies required on impacts or mitigation? How resilient is the environment to High Resilience What is the I ow 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 standards, plans, policies? Criteria Ecological & Biosecurity Impacts. Any threat to the biological diversity or ecological integrity of an ecological community Potential impacts 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. There are no threatened species or ecological communities, including their habitats, within the proposed work area. Please refer to the attached BioNet Atlas search (Appendix 6). Close to Terrestrial biodiversity zones but avoided (refer to map provided "Big Red Terrestrial Biodiversity"). PCT observed is Plains Grass grassland.

Proposed management controls	Activities must comply with CEA Location Remust comply with (Exploration Code of Pract commitment in the application (APO). Relevextent 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.	tice: Environmenty ant requirements turbance to as loing, including releast of shots on comovements are least to be rehabilities.	tal Management) as per the s of this Code include: a. Minimise was practicable. b. Prevent adverse ocation of resident fauna. c. ave dwelling fauna. Noise impacts imited and unlikely to have significant tated in accordance with title conditions
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?	Partly	Justification f	or ranking
Do the operations comply with	Yes		
standards, plans, policies? Criteria	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.		
Proposed management controls	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.  ACCESS  Access to the drill sites will be from existing roads and farm tracks. No new roads will be constructed. New access tracks to each drillsite will take off existing tracks around the edges of paddocks at the closest possible point to the drillpad (vehicular access will be the shortest possible direct route from the farm tracks across the paddock along line of furrow). All vehicles will use the same route to and from the drill pad. Vehicular tracks across paddocks will be ripped where necessary after completion of drilling.		
Duration 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. Requirement to prevent introduction and spread of weeds, pest animals & animal and plant diseases (required to implement "come clean, go clean" protocols). 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 which may include additional mitigation measures to manage land.		
Application ranking	Short tollil		
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 for ranking			
Do the operations comply with standards, plans, policies?	Yes			
Criteria	Ecological & Biosecurity Impacts: Likely to c	ause a significan	t bushfire risk.	
Potential impacts	Plant and machinery comprises a potential ignition source.			
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 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	Medium	
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 standards, plans, policies?	Yes			
Criteria	Community Resources: Any degradation of infrastructure or significant increase in the demand for services and infrastructure resources.			
Potential impacts	Limited potential for any significant increase in demand for resources.  Negligible potential for degradation of infrastructure, such as roads and bridges.			
Duration	Activities must comply with CEA Location Reactivities must comply with (Exploration Code commitment in the application (APO) including and heritage.  All disturbed areas to be rehabilitated in accommand practice: Rehabilitation). Rehabilitation to occommand the commander of the	le of Practice: En ng protection of a ordance with title cur as soon as p as arrangements roads and farm to lisite will take off ordilpad (vehicul paddock along lir	vironmental Management) as per the all elements of the environment, culture conditions (Exploration Code of racticable after completion of activity and compensation.  Tacks. No new roads will be existing tracks around the edges of ar access will be the shortest possible the of furrow). All vehicles will use the	
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 for ranking		
Do the operations comply with standards, plans, policies?	Yes			

Criteria	Community Resources: Any diversion of resources to the detriment of other communities or natural systems.			
Potential impacts	Limited potential for any significant diversion of resources to the detriment of other communities or natural systems.			
	Negligible impacts and only localised change	es.		
	Areas used for exploration activities, temporause.	arily removed fro	m natural systems and / community	
	ACCESS Access to the drill sites will be from existing i	oads and farm tr	racks. No new roads will be	
	constructed. New access tracks to each drillsite will take off existing tracks around the paddocks at the closest possible point to the drillpad (vehicular access will be the shot direct route from the farm tracks across the paddock along line of furrow). All vehicles same route to and from the drill pad. Vehicular tracks across paddocks will be ripped to necessary after completion of drilling.  DISTURBANCE 3000sqm.			
	6 EDH proposed in Block 697 Unit b.	1.30 - 34 30 1 13	to the day of the control of the control of the control of	
	Surface disturbance at each of the planned drill sites will be limited to manual clearing of material that poses a hazard to either drill crews or equipment (trip or fire hazards), such as old crop stubb stones, rotten and fallen timber, to provide a safe working environment. Any such surficial materia removed prior to the commencement of works will be replaced on the completion of the program. Apart from the drill collar, no in-ground excavation is anticipated on site, with above ground sumps being available to hold excess water encountered in drilling. All water and fluids created or used i the drilling process will be captured and pumped in the sumps.			
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, 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 Application ranking	Short term			
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 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 for ranking		
Do the operations comply with	N/A	•		
standards, plans, policies? Criteria	Natural Resources: Any disruption, depletion	or destruction o	f natural resources.	
Potential impacts	Limited potential for any significant diversion of resources to the detriment of other communities or natural systems.  Negligible impacts and only localised changes.			
	Areas used for exploration activities, temporarily removed as a natural resource.			
	Vegetation removal may remove potential timber resources.			
	No significant impacts on other natural resources other than positive in terms of increased knowledge of geological resources.  DISTURBANCE 3000sqm.  6 EDH proposed in Block 697 Unit b.  Surface disturbance at each of the planned drill sites will be limited to manual clearing of material that poses a hazard to either drill crews or equipment (trip or fire hazards), such as old crop stubble, stones, rotten and fallen timber, to provide a safe working environment. Any such surficial material removed prior to the commencement of works will be replaced on the completion of the program. Apart from the drill collar, no in-ground excavation is anticipated on site, with above ground sumps being available to hold excess water encountered in drilling. All water and fluids created or used in the drilling process will be captured and pumped in the sumps.			

Proposed management controls	Negligible impacts likely.			
Proposed management controls				
	Activities must comply with CEA Location Re	st 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: Rehabilitation). Rehabilitation to oc			
	Legislative requirement for landholder acces impacts. REHABILITATION Holes will be cased off into bedrock with 150 and capped one (1) metre below ground level buried and all surface areas rehabilitated in requirements.	mm PVC casing	, with the hole grouted and casing cut of the program. Drill collars will be	
Duration	N/A			
Application ranking  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 disruption of existing forestry, farming or extractive industries (or r			
Proposed management controls	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, temporarily removed as a natural resource but no long term impacts on future availability of forestry, agricultural land, soils or water resources.  Vegetation removal may remove potential timber resources.  PROJECT - Big Red - EL5800 6RC, with a nominal RC: 140mm hole diameter to inclined depths of 150m, for a total of 900m. Holes are to be drilled off level ground in agricultural land, with no ground preparation required, other than the removal of trip-hazards that cannot be made safe by fencing/bunding. Drilling operations will occur with a designed-for-purpose bunded PVC drop sheet between the rig and ground surface to prevent surface disturbance and contain any potential hydrocarbon spillages. The maximum extent of any drill pad will be 20x25m.  Negligible impacts likely.			
. ropocou munugomom com com	Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria.			
	Activities must comply with (Exploration Code of Practice: Environmental Management) commitment in the application (APO). Relevant requirements of this Code include prote 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 acces impacts. REHABILITATION Holes will be cased off into bedrock with 150 and capped one (1) metre below ground level buried and all surface areas rehabilitated in requirements.	omm PVC casing	, with the hole grouted and casing cut of the program. Drill collars will be	

Application ranking			
What is the confidence in	N/A	Are further	No
predicting impacts?		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	
cope with impacts:			
		public	
		concern?	
Can the impacts be reversed?	N/A	Ranking of	Low
•		potential	
		significance	
0 41 1	N1/A		
Can the impacts be mitigated?	N/A	Justification f	or ranking
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Natural Resources: Any use which results in	the degradation	of any area reserved for conservation
Ontona	purposes.	ino degradation	or arry area reserved for conservation
B 4 0 11 4			
Potential impacts	CEA activity not permitted in areas reserved	for conservation	purposes.
Proposed management controls	N/A		
Duration	N/A		
Application ranking			
	NI/A	A	NI/A
What is the confidence in	N/A	Are further	N/A
predicting impacts?		studies	
		required on	
		impacts or	
		mitigation?	
Have no alliant to the	NI/A		NI/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	
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?	14/7		
	Consitius I and Insurante Insurante on Nationa	 	ana aa maaamia da ahadaa da ah
Criteria	Sensitive Land Impacts: Impacts on Nationa		areas reserved or dedicated or
	acquired under the National Parks and Wildl	ite Act 1974.	
Potential impacts	Activity not permitted in these areas.		
	Activity not permitted in these areas.  N/A		
Proposed management controls	N/A		
Proposed management controls Duration	, ,		
Proposed management controls Duration Application ranking	N/A N/A		
Proposed management controls Duration	N/A	Are further	N/A
Proposed management controls Duration Application ranking	N/A N/A	Are further studies	N/A
Proposed management controls Duration Application ranking What is the confidence in	N/A N/A	studies	N/A
Proposed management controls Duration Application ranking What is the confidence in	N/A N/A	studies required on	N/A
Proposed management controls Duration Application ranking What is the confidence in	N/A N/A	studies required on impacts or	N/A
Proposed management controls Duration Application ranking What is the confidence in predicting impacts?	N/A N/A N/A	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	N/A N/A	studies required on impacts or mitigation? What is the	N/A
Proposed management controls Duration Application ranking What is the confidence in predicting impacts?	N/A N/A N/A	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	N/A N/A N/A	studies required on impacts or mitigation? What is the	
Proposed management controls Duration Application ranking What is the confidence in predicting impacts?  How resilient is the environment to	N/A N/A N/A	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?	N/A N/A N/A	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	N/A N/A N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of	
Proposed management controls Duration Application ranking What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?	N/A N/A N/A	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?  Can the impacts be reversed?	N/A N/A N/A N/A N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	N/A
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 N/A N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	N/A
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?	N/A N/A N/A N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	N/A
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	N/A N/A N/A N/A N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	N/A
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 N/A N/A N/A N/A N/A N/A N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification f	N/A or ranking
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	N/A N/A N/A N/A N/A N/A N/A N/A N/A Sensitive Land Impacts: Land subject to a 'c	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification f	or ranking ement' under the National Parks and
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	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification fo	or ranking  ement' under the National Parks and 16. This includes: a. Biobanking
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 N/A N/A N/A N/A N/A N/A N/A N/A Sensitive Land Impacts: Land subject to a 'c Wildlife Act 1974 and/or the Biodiversity Cor agreement (established under the now repea	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification f	or ranking  ement' under the National Parks and 16. This includes: a. Biobanking Species Conservation Act 1995) or a
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	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification f	or ranking  ement' under the National Parks and 16. This includes: a. Biobanking Species Conservation Act 1995) or a
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	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for onservation agreeservation Act 20 aled Threatened hed under the Bi	or ranking  ement' under the National Parks and 16. This includes: a. Biobanking Species Conservation Act 1995) or a odiversity Conservation Act 2016. b.
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	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for onservation agreeservation Act 20 aled Threatened hed under the Bior the Biodiversity	ement' under the National Parks and 16. This includes: a. Biobanking Species Conservation Act 1995) or a odiversity Conservation Act 2016. b. c Conservation Act 2016. c. Existing
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	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for	ement' under the National Parks and 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:
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	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for onservation Act 20 aled Threatened hed under the Bi or the Biodiversity ave effect even we	ement' under the National Parks and 16. This includes: a. Biobanking Species Conservation Act 1995) or a odiversity Conservation Act 2016. b. c Conservation Act 2016. c. Existing here legislation has been repealed:
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  N/A  N/A  N/A  N/A  N/A  N/A  N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for onservation agre isservation Act 20 aled Threatened hed under the Bi or the Biodiversity we effect even we be aled Nature Colled Native Veget	ement' under the National Parks and 16. This includes: a. Biobanking Species Conservation Act 1995) or a odiversity Conservation Act 2016. b. c Conservation Act 2016. c. Existing here legislation has been repealed: unservation Trust Act 2001  Registered
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	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for onservation agre isservation Act 20 aled Threatened hed under the Bi or the Biodiversity we effect even we be aled Nature Colled Native Veget	ement' under the National Parks and 16. This includes: a. Biobanking Species Conservation Act 1995) or a odiversity Conservation Act 2016. b. c Conservation Act 2016. c. Existing here legislation has been repealed: unservation Trust Act 2001  Registered
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  N/A  N/A  N/A  N/A  N/A  N/A  N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for onservation agre isservation Act 20 aled Threatened hed under the Bi or the Biodiversity we effect even we be aled Nature Colled Native Veget	ement' under the National Parks and 16. This includes: a. Biobanking Species Conservation Act 1995) or a odiversity Conservation Act 2016. b. c Conservation Act 2016. c. Existing here legislation has been repealed: unservation Trust Act 2001  Registered
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  N/A  N/A  N/A  N/A  N/A  N/A  N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for onservation agre isservation Act 20 aled Threatened hed under the Bi or the Biodiversity we effect even we be aled Nature Colled Native Veget	ement' under the National Parks and 16. This includes: a. Biobanking Species Conservation Act 1995) or a odiversity Conservation Act 2016. b. c Conservation Act 2016. c. Existing here legislation has been repealed: unservation Trust Act 2001  Registered
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  N/A  N/A  N/A  N/A  N/A  N/A  N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for onservation agre isservation Act 20 aled Threatened hed under the Bi or the Biodiversity we effect even we be aled Nature Colled Native Veget	ement' under the National Parks and 16. This includes: a. Biobanking Species Conservation Act 1995) or a odiversity Conservation Act 2016. b. c Conservation Act 2016. c. Existing here legislation has been repealed: unservation Trust Act 2001  Registered
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  N/A  N/A  N/A  N/A  N/A  N/A  N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for onservation agre isservation Act 20 aled Threatened hed under the Bi or the Biodiversity we effect even we be aled Nature Colled Native Veget	ement' under the National Parks and 16. This includes: a. Biobanking Species Conservation Act 1995) or a odiversity Conservation Act 2016. b. c Conservation Act 2016. c. Existing here legislation has been repealed: unservation Trust Act 2001  Registered
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  N/A  N/A  N/A  N/A  N/A  N/A  N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for onservation agre isservation Act 20 aled Threatened hed under the Bi or the Biodiversity we effect even we be aled Nature Colled Native Veget	ement' under the National Parks and 16. This includes: a. Biobanking Species Conservation Act 1995) or a odiversity Conservation Act 2016. b. c Conservation Act 2016. c. Existing here legislation has been repealed: unservation Trust Act 2001  Registered

What is the confidence in	N/A	Are further	N/A
predicting impacts?		studies	
		required on	
		impacts or	
How resilient is the environment to	N/A	mitigation? What is the	N/A
cope with impacts?	IN/A	level of	IN/A
cope with impacts:		public	
		concern?	
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: Impacts on aquatic	recorves or mar	ine parks declared under the Marine
Officeria	Estate Management Act 2014. Impacts on C		
	2016.	odotal Zollo do d	ionilod in the obdetal Management / tec
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?	14/73	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
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Sensitive Land Impacts: Fishing grounds an	l d commercial fish	hreeding or nursery areas
Potential impacts	Negligible and only localised changes to dra		<u> </u>
Potential impacts	sediment laden from areas where vegetation		
	water use (must be licensed or use of farm of		
	cross contamination and/or depressurisation		
	Groundwater depressurisation effects on su		Mobilisation of pollutants (such as
	hydrocarbons) in surface water or aquifers.		creeks can cause stream bank erosion
Description of a sector la			es / overflow from drilling sumps.
Proposed management controls	Activities must comply with CEA Location Romust comply with (Exploration Code of Prac		
	commitment in the application (APO). Relev		
	must implement all measures to prevent cau		
	b. All sediment and erosion controls (including		
	accordance with Blue Book. c. No significa		
	populations, threatened ecological communi		
			accordance with title conditions
	(Exploration Code of Practice: Rehabilitation	ı). Rehabilitation	to occur as soon as practicable after
Duration	completion of activity. Short term		
Duration Application ranking	OHOIL GIIII		
What is the confidence in	High	Are further	No
predicting impacts?	3	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
ouil the impacts be reversed:	100	potential	
		significance	
Can the impacts be mitigated?	Fully	Justification f	or ranking
Do the operations comply with standards, plans, policies?	Yes		

Criteria	Sensitive Land Impacts: Impacts on other s	ensitive lands inc	duding: a Land within a state forest	
Criteria	set aside under the Forestry Act 2012 for co			
	special management (and other) zones. b.			
	declared to be a 'controlled area' or a 'specia			
	area' under the Water Management Act 2000 or Hunter Water Act 1991. c. Waterfront land as			
	defined under the Water Management Act 2000.			
Potential impacts	N/A CEA Location restrictions prevent act	ivities in such ser	nsitive locations.	
Proposed management controls	N/A			
Duration	N/A			
Application ranking			T	
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		
		concern?		
Can the impacts be reversed?	N/A	Ranking of		
		potential		
Can the impacts be mitigated?	N/A	significance Justification f	or ranking	
Do the operations comply with	N/A	Justilication	or ranking	
standards, plans, policies?	TV/A			
Criteria	Sensitive Land Impacts: Impacts on land res	erved or dedicate	ed within the meaning of the Crown	
	Lands Act 1989/Crown Lands Management	Act 2016 for pres	servation of the environment or other	
	environmental protection purposes.			
Potential impacts	Activity not permitted in area.			
Proposed management controls  Duration	N/A N/A			
Application ranking	IN/A			
What is the confidence in	N/A	Are further	N/A	
predicting impacts?		studies	1471	
		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 f	or ranking	
Do the operations comply with standards, plans, policies?	N/A			
Criteria	Sensitive Land Impacts: Impacts on land ide	l Intified as wildern	ness or declared a wilderness area	
- Titoria	under the Wilderness Act 1987.	minou do Mildom	iooo or acciding a wilderricos area	
Potential impacts	Activity not permitted in these areas.			
Proposed management controls	N/A			
Duration	N/A			
Application ranking	N/A	A w = £ - 41	NI/A	
What is the confidence in predicting impacts?	N/A	Are further studies	N/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		
Con the immediate to the control to	N/A	concern?		
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		<del>_</del>	
standards, plans, policies?				
Criteria	Sensitive Lands: Impacts on wetlands of inte			
	Convention on Wetlands and those designate	ted as a nationall	y important wetland in the Directory of	
Potential impacts	Important Wetlands of Australia.  Activity not permitted in these areas.			
Proposed management controls	N/A			
Duration	N/A			
	I ·			

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 impacts be reversed?  Can the impacts be reversed?  N/A  Can the impacts be impacts be reversed?  N/A  Can the impacts be revisited with the confidence in proposed management controls  N/A  Potential impacts  Proposed management controls  N/A  How resilient is the environment to cope with impacts?  Can the impacts be reversed?  N/A  N/A  Potential impacts  Activity not permitted in these areas.  N/A  N/A  Are further studies required on impacts in the confidence in proposed management controls  N/A  Can the impacts be reversed?  N/A  N/A  N/A  Ranking of public concern?  Can the impacts be reversed?  N/A  Can the impacts be reversed?  N/A  N/A  Can the impacts be reversed?  N/A  Can the impacts be reversed?  N/A  N/A  Can the impacts be reversed?  N/A  Can the imp	Application repline			
How resilient is the anvironment to cope with impacts?  Can the impacts be reversed?  Can the impacts be mitigated?  Can the impacts be mitigated?  Other operations comply with standards, plans, policies?  Criteria  Condempt of the controls of the control of th	Application ranking	N1/A		L 21/2
How resilient is the environment to cope with impacts?  Can the impacts be reversed?  Can the impacts be mitigated?  Can the impacts be mitigated?  Contend the impacts be mitigated?  Criteria  Contend the impacts be mitigated?  Criteria  Criteria		N/A		N/A
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  Sensitive Land impacts impacts on land diestified in an environmental planning instrument as being of biodiversity? conservation significance or zone of or environmental planning instrument as being of biodiversity? (Passilience and Paradis)  Proposed management controls  N/A  Application ranking  What is the environment to cope with impacts?  Can the impacts be mitigated?  N/A  Application ranking  What is the environment to cope with impacts?  Can the impacts be mitigated?  Do the operations comply with standards, plans, policies?  Can the impacts be mitigated?  Do the operations comply with standards, plans, policies?  Criteria  Can the impacts be mitigated?  Do the operations comply with standards, plans, policies?  Criteria  What is the environment to cope with impacts?  Criteria  Can the impacts be mitigated?  Do the operations comply with standards, plans, policies?  Criteria  What is the confidence in processed management controls  N/A  Application ranking  What is the confidence in processed management to controls  N/A  Application ranking  What is the confidence in processed management controls  N/A  Application ranking  What is the confidence in processed management controls  N/A  Application ranking  What is the confidence in processed management controls  N/A  Application ranking  What is the confidence in processed management controls  N/A  Application ranking  What is the confidence in processed management controls  N/A  Application ranking  What is the confidence in processed management controls  N/A  Application ranking  What is the confidence in processed management controls  N/A  Application ranking  What is the confidence in processed management controls  N/A  Application ranking  What is the confidence in processed management controls  N/A  Application ranking  What is the confidence in processed management	predicting impacts?		studies	
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Can the impacts be reversed?  Can the impacts be mitigated?  Can the impacts be mitigated?  De the operations comply with standards, plans, policies?  Criteria  Sensitive Land impacts: Impacts on land identified in an environmental planning instrument as being of blookversity / conservation significance or zoned for environmental planning instrument as being of blookversity / conservation significance or zoned for environmental planning instrument as being of blookversity / conservation significance or zoned for environmental planning instrument as being of blookversity / conservation significance or zoned for environmental planning instrument as being of blookversity / conservation significance or zoned for environmental planning instrument as being of blookversity / conservation significance or zoned for environmental conservation, protection and/or management. Includes Coastal Wellands and Littleral rainforests under State Environmental Planning Policy (Resilience and Hazards) 2021.  Activity not permitted in these areas.  N/A  Application for ranking  N/A  Application for anxing  N/A  Are further IN/A studies required on impacts or mitigation?  N/A  Can the impacts be environment to cope with impacts?  N/A  Do the operations comply with standards, plans, policies?  Criteria  Application anxing  What is the confidence in procedure and wildling and the studies of the procedure and the policies under the healtonal Parks and Wildling Act 1974 b. Areas of Aboriginal cultural significance in production management controls  N/A  Application ranking  What is the confidence in procedure and		1471		1477
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Can the Impacts be mitigated?   Ni/A   Justification for ranking   Sensitive Land Impacts   Im		21/2		
Can the Impacts be mitigated?   N/A   Justification for ranking   N/A   N/A   Justification for ranking   N/A   N/A   Justification for ranking   N/A   Justification for rank	Can the impacts be reversed?	N/A		
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Do the operations comply with standards, plans, policies?  Criteria  Potential impacts Potential impac			significance	
Do the operations comply with standards, plans, policies?  Criteria  Sensitive Land Impacts or Land impacts in land identified in an environmental planning instrument as being of biodiversity / conservation significance or zoned for environmental conservation, protection and/or management controls  Potential impacts  Proposed management controls  N/A  Duration  Application ranking  What is the confidence in predicting 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  Application ranking  What is the confidence in predicting impacts?  N/A  Application ranking  What is the environment to cope with impacts or mitigation?  N/A  Can the impacts be mitigated?  N/A  Application ranking  N/A  Application ranking  What is the confidence in predicting impacts?  N/A  Application ranking  What is the confidence in predicting impacts?  N/A  Application ranking  N	Can the impacts be mitigated?	N/A	Justification f	or ranking
standards, plans, policies?  Criteria  Criteria  Criteria  Criteria  Sensitive Land Impacts: Impacts on land identified in an environmental planning instrument as being of biodiversity / conservation significance or zoned for environmental conservation, protection and/or management. Includes Cossala Wellands and Littoral rainforests under State Environmental Planning Policy (Resilience and Hazards) 2021.  Potential impacts  Proposed management controls  N/A  Application ranking  What is the confidence in predicting impacts?  N/A  Application ranking  N/A  Application ranking  N/A  Can the impacts be mitigated?  Ob the operations comply with standards, plans, policies?  Criteria  Criteria  Criteria  Can the impacts be mitigated?  Activity not permitted in these areas.  N/A  Application ranking  What is the confidence in predicting impacts?  N/A  Application ranking  What is the environment to cope with impacts?  Activity not permitted in these areas.  N/A  Application ranking  What is the confidence in predicting impacts?  Criteria  Can the impacts be mitigated?  Activity not permitted in these areas.  N/A  Application ranking  What is the confidence in predicting impacts?  Criteria  Can the impacts be mitigated?  Can the operations comply with standards, plans, policies?  Criteria  Can the impacts be mitigated?  Can the operations comply with standards, plans, policies?  Criteria  Can the impacts be mitigated?  Can the operations comply with standards, plans, policies?  Criteria  Can the impacts be mitigated?  Can the operations comply with standards, pla	Do the operations comply with	N/A		
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management. Includes Coastal Wellands and Littoral rainforests under State Environmental Plaining Policy (Resilience and Hazards) 2021.  Activity not permitted in these areas.  N/A  Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts be mitigated?  Can the impacts be mitigated?  Do the operations comply with standards, plans, policies?  Proposed management controls  N/A  Potential impacts  What is the confidence in predicting impacts?  N/A  Potential impacts  N/A  Predicting impacts?  N/A  N/A  Predicting impacts?  N/A  N/A  Potential impacts  N/A  Predicting impacts?  N/A  N/A  Predicting impacts?  N/A  N/A  Predicting impacts or mitigated?  N/A  N/A  N/A  N/A  N/A  N/A  Predicting impacts?  N/A  N/A  Predicting impacts?  N/A  N/A  Predicting impacts or mitigated?  N/A  N/A  N/A  Predicting impacts or mitigated?  N/A  N/A  N/A  Predicting impacts or mitigated?  N/A  N/A  N/A  N/A  Predicting impacts or mitigated?  N/A  N/A  Predicting impacts or mitigated?  N/A  Do the operations comply with standards, plans, policies?  Criteria  Protential impacts  Proposed management controls  N/A  Predicting impacts or mitigated?  N/A  Do the operations comply with standards, plans, policies?  Criteria  Predicting impacts or mitigated?  N/A  Do the operations comply with standards, plans, policies?  Preposed management controls  N/A  Preposed management contr	Criteria			
Planning Policy (Resilience and Hazards) 2021.  Activity not permitted in these areas.  N/A  Application ranking  What is the confidence in predicting impacts?  Can the impacts be mitigated?  Can the impacts be mitigated?  Criteria  What is the confidence in predicting impacts?  N/A  Are further studies required on impacts or mitigation?  N/A  What is the confidence in public concern?  N/A  Can the impacts be reversed?  N/A  Can the impacts be mitigated?  Criteria  Activity not permitted in these areas.  N/A  Austification for ranking  N/A  Activity not permitted in these areas.  N/A  Activity not permitted in these areas.  N/A  Activity not permitted in these areas.  N/A  Application ranking  What is the confidence in predicting impacts?  N/A  Can the impacts be mitigated?  N/A  Activity not permitted in these areas.  N/A  Application ranking  What is the confidence in N/A  Can the impacts be mitigated?  N/A  Application ranking  What is the confidence in N/A  Can the impacts be mitigated?  N/A  Application ranking  What is the confidence in N/A  Can the impacts be mitigated?  N/A  Can the impacts be mitigated?  N/A  Application ranking  What is the confidence in N/A  Do the operations comply with standards, plans, policies?  Criteria  Can the impacts be mitigated?  N/A  Do the operations comply with standards, plans, policies?  Criteria  Can the impacts be mitigated?  N/A  Do the operations comply with standards, plans, policies?  Criteria  Can the impacts be mitigated?  N/A  Do the operations comply with standards, plans, policies?  Criteria  Can the impacts be mitigated?  N/A  Do the operations comply with standards, plans, policies?  Criteria  Can the impacts be mitigated?  N/A  Do the operations comply with standards, plans, policies?  Criteria  Can the impacts be mitigated?  N/A  Do the operations comply with standards, plans, policies?  Criteria  Can the impacts be mitigated?  N/A  Do the operations comply with standards, plans, policies?  Criteria  Can the impacts be mitigated?  N/A  Do the operations				
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Proposed management controls Duration NA Application ranking What is the confidence in predicting impacts?  What is the confidence in predicting impacts?  NA  Application ranking What 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 What is the environment to cope with impacts?  NA  Application ranking What is the environment to cope with impacts on Aboriginal planning instrument.  Activity not permitted in these areas.  NA  Application ranking Can the impacts be mitigated? NA  Application ranking What is the environment to cope with impacts?  Can the impacts be mitigated? NA  Application ranking What is the environment to cope with impacts?  Can the impacts be mitigated? Do the operations comply with standards, plans, policies?  Can the impacts be mitigated? Do the operations comply with standards, plans, policies?  Can the impacts be mitigated? Do the operations comply with standards, plans, policies?  Criteria  Can the impacts be mitigated? Do the operations comply with standards, plans, policies?  Criteria  Can the impacts be mitigated? Do the operations comply with standards, plans, policies?  Criteria  Can the impacts be mitigated? Do the operations comply with standards, plans, policies?  Criteria  Can the impacts be mitigated? NA  NA  Sensitive Land impacts - impacts on heritage protection areas (historic or natural): a Nationally and internationally recognised heritage sites or areas (World Heritage List, National Heritage List of Commonwealth Heritage List on State Heritage c. Heritage items and conservation areas identified in an environmental planning instrument  CEA activities not permitted in these areas.  NA  Application ranking  What is the confidence in predicting impacts?			)21.	
Duration	Potential impacts	Activity not permitted in these areas.		
Duration		<i>J</i> 1		
Application ranking   What is the confidence in predicting impacts?   What is the environment to cope with impacts?   N/A   What is the level of public concern?   What is the environment to cope with impacts?   N/A   What is the level of public concern?   What is the confidence in predicting impacts?   What is the confidence in processing which is the description of the public concern?   What is the confidence in predicting impacts?   What is the confidence in predicting impacts?   What is the confidence in predicting impacts   What is the confidence in predicting impacts?   What is the confidence in predicting impacts   What is the confidence in predicting impacts?   What is the confidence in predicting impacts   What is the confidence in predicting impacts?   What is the confidence in predicting impacts   What is the confidence in predicting impacts?   What is the confidence in predicting impacts   What is the confidence in predi	<u> </u>			
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Can the impacts be mitigated?  Do the operations comply with standards, plans, policies?  Criteria  Sensitive Land Impacts: Impacts on heritage protection areas (historic or natural): a. Nationally and internationally recognised heritage sites or areas (World Heritage List, National Heritage List of Commonwealth Heritage List) b. Items listed on State Heritage c. Heritage items and conservation areas identified in an environmental planning instrument  Potential impacts  Proposed management controls  Duration  N/A  Application ranking  What is the confidence in predicting impacts?  N/A  Are further studies required on impacts or	Can the impacts be reversed?	N/A	Ranking of	
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Can the impacts be mitigated?  Do the operations comply with standards, plans, policies?  Criteria  Sensitive Land Impacts: Impacts on heritage protection areas (historic or natural): a. Nationally and internationally recognised heritage sites or areas (World Heritage List, National Heritage List of Commonwealth Heritage List) b. Items listed on State Heritage c. Heritage items and conservation areas identified in an environmental planning instrument  Potential impacts  Proposed management controls  Duration  Application ranking  What is the confidence in predicting impacts?  N/A  N/A  Are further studies required on impacts or				
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Potential impacts  Proposed management controls  Duration  Application ranking  What is the confidence in predicting impacts?  N/A  Are further studies required on impacts or				
Proposed management controls    Duration	Potential impacts		onal planning in	
Duration N/A  Application ranking  What is the confidence in predicting impacts?  N/A  Are further studies required on impacts or				
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What is the confidence in predicting impacts?  N/A  Are further studies required on impacts or	Application ranking			
predicting impacts?  studies required on impacts or		N/A	Are further	N/A
required on impacts or				
impacts or	predicting impacts?			
mitigation?			mitigation?	

11 99 43 41 1 44			
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 f	or ranking
Do the operations comply with	N/A		<b>J</b>
standards, plans, policies?			
Criteria	Sensitive Land Impacts: Impacts on commun	nitv land classifie	d under the Local Government Act
	1993 (for which a plan of management has b		
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	
producting impacts :		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	N/A	What is the	N/A
cope with impacts?	14/71	level of	14/7
cope with impacts.		public	
		concern?	
Can the impacts be reversed?	N/A	Ranking of	
can the impacts be reversed?	IN/A	potential	
		significance	
Can the impacts be mitigated?	N/A	Justification f	or ranking
Can the impacts be mitigated?		Justilication	or ranking
Do the operations comply with standards, plans, policies?	N/A		
Standards highs holicies?			
		e prone areas	
Criteria	Sensitive Land Impacts: Impacts on bushfire	•	
	Plant and machinery may be an ignition sou	rce.	
Criteria	Plant and machinery may be an ignition sou Activities must comply with CEA Location Re	rce. estrictions, Impac	
Criteria Potential impacts	Plant and machinery may be an ignition sou	rce. estrictions, Impac	
Criteria Potential impacts	Plant and machinery may be an ignition sou Activities must comply with CEA Location Re	rce. estrictions, Impac tice: Environmen	tal Management) as per the
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Potential impacts Proposed management controls	Plant and machinery may be an ignition sou Activities must comply with CEA Location Remust comply with (Exploration Code of Praccommitment 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.	rce. estrictions, Impactice: Environment/ vant requirements controls to managastrophic Fire Cor	tal Management) as per the sof this Code including undertaking a ge risks (e.g. implementation of additions will largely negate risk).
Potential impacts Proposed management controls  Duration	Plant and machinery may be an ignition sou Activities must comply with CEA Location Remust comply with (Exploration Code of Praccommitment 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.	rce. estrictions, Impactice: Environment/ vant requirements controls to managastrophic Fire Cor	tal Management) as per the sof this Code including undertaking a ge risks (e.g. implementation of additions will largely negate risk).
Potential impacts Proposed management controls  Duration Application ranking	Plant and machinery may be an ignition sou Activities must comply with CEA Location Remust comply with (Exploration Code of Praccommitment 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. Short term	rce. estrictions, Impactice: Environment vant requirements controls to managestrophic Fire Correquirements.	tal Management) as per the sof this Code including undertaking a ge risks (e.g. implementation of aditions will largely negate risk).  Any existing/proposed access tracks
Potential impacts Proposed management controls  Duration Application ranking What is the confidence in	Plant and machinery may be an ignition sou Activities must comply with CEA Location Remust comply with (Exploration Code of Praccommitment 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. Short term	rce. estrictions, Impactice: Environment/ vant requirements/ controls to managestrophic Fire Correquirements.  Are further	tal Management) as per the sof this Code including undertaking a ge risks (e.g. implementation of aditions will largely negate risk).  Any existing/proposed access tracks
Potential impacts Proposed management controls  Duration Application ranking What is the confidence in	Plant and machinery may be an ignition sou Activities must comply with CEA Location Remust comply with (Exploration Code of Praccommitment 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. Short term	rce. estrictions, Impactice: Environment/ant requirements controls to managestrophic Fire Correquirements.  Are further studies	tal Management) as per the sof this Code including undertaking a ge risks (e.g. implementation of aditions will largely negate risk).  Any existing/proposed access tracks
Potential impacts Proposed management controls  Duration Application ranking What is the confidence in	Plant and machinery may be an ignition sou Activities must comply with CEA Location Remust comply with (Exploration Code of Praccommitment 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. Short term	rce. estrictions, Impactice: Environment/ant requirements/controls to managestrophic Fire Correquirements.  Are further studies required on impacts or	tal Management) as per the sof this Code including undertaking a ge risks (e.g. implementation of aditions will largely negate risk).  Any existing/proposed access tracks
Potential impacts Proposed management controls  Duration Application ranking What is the confidence in	Plant and machinery may be an ignition sou Activities must comply with CEA Location Re must comply with (Exploration Code of Prac commitment in the application (APO). Relev risk 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. Short term  High	estrictions, Impactice: Environment/Ant requirements controls to managestrophic Fire Correquirements.  Are further studies required on	tal Management) as per the sof this Code including undertaking a ge risks (e.g. implementation of aditions will largely negate risk).  Any existing/proposed access tracks
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Potential impacts Proposed management controls  Duration Application ranking What is the confidence in predicting impacts?	Plant and machinery may be an ignition sou Activities must comply with CEA Location Re must comply with (Exploration Code of Prac commitment in the application (APO). Relev risk 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. Short term  High	Are further studies required on impacts or mitigation? What is the level of	tal Management) as per the s of this Code including undertaking a ge risks (e.g. implementation of aditions will largely negate risk).  Any existing/proposed access tracks
Potential impacts Proposed management controls  Duration Application ranking What is the confidence in predicting impacts?  How resilient is the environment to	Plant and machinery may be an ignition sou Activities must comply with CEA Location Re must comply with (Exploration Code of Prac commitment in the application (APO). Relev risk 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. Short term  High	Are further studies required on impacts or mitigation? What is the level of public	tal Management) as per the s of this Code including undertaking a ge risks (e.g. implementation of aditions will largely negate risk).  Any existing/proposed access tracks
Potential impacts Proposed management controls  Duration Application ranking What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?	Plant and machinery may be an ignition sou Activities must comply with CEA Location Re must comply with (Exploration Code of Prac commitment in the application (APO). Relev risk 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. Short term  High  High Resilience	Are further studies required on impacts or mitigation? What is the level of public concern?	tal Management) as per the s of this Code including undertaking a ge risks (e.g. implementation of nditions will largely negate risk).  Any existing/proposed access tracks  No  Medium
Potential impacts Proposed management controls  Duration Application ranking What is the confidence in predicting impacts?  How resilient is the environment to	Plant and machinery may be an ignition sou Activities must comply with CEA Location Re must comply with (Exploration Code of Prac commitment in the application (APO). Relev risk 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. Short term  High	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of	tal Management) as per the s of this Code including undertaking a ge risks (e.g. implementation of aditions will largely negate risk).  Any existing/proposed access tracks
Potential impacts Proposed management controls  Duration Application ranking What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?	Plant and machinery may be an ignition sou Activities must comply with CEA Location Re must comply with (Exploration Code of Prac commitment in the application (APO). Relev risk 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. Short term  High  High Resilience	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	tal Management) as per the s of this Code including undertaking a ge risks (e.g. implementation of nditions will largely negate risk).  Any existing/proposed access tracks  No  Medium
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?	Plant and machinery may be an ignition sou Activities must comply with CEA Location Re must comply with (Exploration Code of Prac commitment in the application (APO). Relev risk 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. Short term  High  High Resilience	Are further studies required on impacts or mitigation? What is the level of public concern?	tal Management) as per the s of this Code including undertaking a ge risks (e.g. implementation of aditions will largely negate risk).  Any existing/proposed access tracks  No  Medium  Low
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?	Plant and machinery may be an ignition sou Activities must comply with CEA Location Re must comply with (Exploration Code of Prac commitment in the application (APO). Relev risk 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. Short term  High  High Resilience	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	tal Management) as per the s of this Code including undertaking a ge risks (e.g. implementation of aditions will largely negate risk).  Any existing/proposed access tracks  No  Medium  Low
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	Plant and machinery may be an ignition sou Activities must comply with CEA Location Re must comply with (Exploration Code of Prac commitment in the application (APO). Relev risk 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. Short term  High  High Resilience	Are further studies required on impacts or mitigation? What is the level of public concern?	tal Management) as per the s of this Code including undertaking a ge risks (e.g. implementation of aditions will largely negate risk).  Any existing/proposed access tracks  No  Medium  Low
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?	Plant and machinery may be an ignition sou Activities must comply with CEA Location Re must comply with (Exploration Code of Prac commitment in the application (APO). Relev risk 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. Short term  High  High Resilience  Yes  Fully Yes	rce. estrictions, Impactice: Environment/ant requirements/controls to managestrophic Fire Correquirements.  Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for	tal Management) as per the s of this Code including undertaking a ge risks (e.g. implementation of aditions will largely negate risk).  Any existing/proposed access tracks  No  Medium  Low  or ranking
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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?	Plant and machinery may be an ignition sou Activities must comply with CEA Location Re must comply with (Exploration Code of Prac commitment in the application (APO). Relev risk 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.  Short term  High  High Resilience  Yes  Fully Yes  Social Impacts: Any impacts which result in community, including changes to workforce	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for the cor industry struction.	tal Management) as per the s of this Code including undertaking a ge risks (e.g. implementation of aditions will largely negate risk).  Any existing/proposed access tracks  No  Medium  Low  Low  Der ranking  demographic structure of the ure of the area/region. Including
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?	Plant and machinery may be an ignition sou Activities must comply with CEA Location Re must comply with (Exploration Code of Prac commitment in the application (APO). Relev risk 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.  Short term  High  High Resilience  Yes  Social Impacts: Any impacts which result in community, including changes to workforce change in demand for community resources	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for the cor industry struction.	tal Management) as per the s of this Code including undertaking a ge risks (e.g. implementation of aditions will largely negate risk).  Any existing/proposed access tracks  No  Medium  Low  Low  Der ranking  demographic structure of the ure of the area/region. Including
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	Plant and machinery may be an ignition sou Activities must comply with CEA Location Re must comply with (Exploration Code of Prac commitment in the application (APO). Relev risk 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.  Short term  High  High Resilience  Yes  Social Impacts: Any impacts which result in community, including changes to workforce change in demand for community resources labour force).	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for industry struct (eg community for each retail to the concern or industry struct (eg community for each retail to the concern or industry struct (eg community for each required on impacts or mitigation?  Are further studies required on impacts or mitigation?  What is the level of public concern?  Ranking of potential significance  Justification for industry struct (eg community for each required in the concern of t	tal Management) as per the s of this Code including undertaking a ge risks (e.g. implementation of nditions will largely negate risk).  Any existing/proposed access tracks  No  Medium  Low  or ranking  demographic structure of the ure of the area/region. Including accilities, community services and
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?	Plant and machinery may be an ignition sou Activities must comply with CEA Location Re must comply with (Exploration Code of Prac- commitment in the application (APO). Relev- risk 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.  Short term  High  High Resilience  Yes  Social Impacts: Any impacts which result in community, including changes to workforce change in demand for community resources labour force).  Limited potential for any significant change i	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for industry struct (eg community for the setting of the demograph	tal Management) as per the s of this Code including undertaking a ge risks (e.g. implementation of nditions will largely negate risk).  Any existing/proposed access tracks  No  Medium  Low  br ranking  emographic structure of the ure of the area/region. Including acilities, community services and ic structure of the community.
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	Plant and machinery may be an ignition sou Activities must comply with CEA Location Re must comply with (Exploration Code of Prac commitment in the application (APO). Relev risk 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.  Short term  High  High Resilience  Yes  Social Impacts: Any impacts which result in community, including changes to workforce change in demand for community resources labour force).  Limited potential for any significant change i Negligible impacts and only localised change	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for the demographes in demand for	tal Management) as per the s of this Code including undertaking a ge risks (e.g. implementation of aditions will largely negate risk).  Any existing/proposed access tracks  No  Medium  Low  Low  Lemographic structure of the ure of the area/region. Including acilities, community services and ic structure of the community.
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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	Plant and machinery may be an ignition sou Activities must comply with CEA Location Re must comply with (Exploration Code of Prac commitment in the application (APO). Relev risk assessment and implementing suitable of controls on activities during Extreme or Cata Activities must comply with WHS legislative can be used as firebreaks in event of fire.  Short term  High  High Resilience  Yes  Fully Yes  Social Impacts: Any impacts which result in community, including changes to workforce change in demand for community resources labour force).  Limited potential for any significant change i Negligible impacts and only localised chang increase in demand for accommodation, foo to warrant significant changes in supply.	rce. estrictions, Impactice: Environment/ant requirements controls to managestrophic Fire Correquirements.  Are further studies required on impacts or mitigation?  What is the level of public concern?  Ranking of potential significance  Justification for industry struct (eg community for the demographes in demand for d, mechanical and	tal Management) as per the s of this Code including undertaking a ge risks (e.g. implementation of nditions will largely negate risk).  Any existing/proposed access tracks  No  Medium  Low  or ranking  emographic structure of the ure of the area/region. Including acilities, community services and ic structure of the community. community resources. Minimal d fuel supplies, etc. Not large enough
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	Plant and machinery may be an ignition sou Activities must comply with CEA Location Re must comply with (Exploration Code of Prac commitment in the application (APO). Relev risk assessment and implementing suitable of controls on activities during Extreme or Cata Activities must comply with WHS legislative can be used as firebreaks in event of fire.  Short term  High  High Resilience  Yes  Social Impacts: Any impacts which result in community, including changes to workforce change in demand for community resources labour force).  Limited potential for any significant change i Negligible impacts and only localised change increase in demand for accommodation, foo to warrant significant changes in supply.  Negligible impacts likely due to low personne	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for the demograph es in demand for d, mechanical and tice: Environments.	tal Management) as per the s of this Code including undertaking a ge risks (e.g. implementation of nditions will largely negate risk).  Any existing/proposed access tracks  No  Medium  Low  or ranking  emographic structure of the ure of the area/region. Including acilities, community services and ic structure of the community. community resources. Minimal d fuel supplies, etc. Not large enough emporary nature of exploration.
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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	Plant and machinery may be an ignition sou Activities must comply with CEA Location Re must comply with (Exploration Code of Prac commitment in the application (APO). Relev risk assessment and implementing suitable of controls on activities during Extreme or Cata Activities must comply with WHS legislative can be used as firebreaks in event of fire.  Short term  High  High Resilience  Yes  Fully Yes  Social Impacts: Any impacts which result in community, including changes to workforce change in demand for community resources labour force).  Limited potential for any significant change i Negligible impacts and only localised change increase in demand for accommodation, foo to warrant significant changes in supply.  Negligible impacts likely due to low personn- Generally positive for suppliers of services a Short term	rce. estrictions, Impactice: Environment vant requirements controls to managestrophic Fire Correquirements.  Are further studies required on impacts or mitigation?  What is the level of public concern?  Ranking of potential significance  Justification for industry struct (eg community for the demographes in demand for d, mechanical and goods utilised.  Are further studies	tal Management) as per the sof this Code including undertaking a ge risks (e.g. implementation of aditions will largely negate risk).  Any existing/proposed access tracks  No  Medium  Low  Description:  Low  Description:  Low  Description:  Low  Low  Lemographic structure of the area/region. Including acilities, community services and ic structure of the community. Community resources. Minimal direction of the supplies, etc. Not large enough temporary nature of exploration.

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
Can the impacts be reversed?	165	potential	Low
		significance	
Can the impacts be mitigated?	Fully	Justification f	or ranking
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Social Impacts: Any environmental impact th		
Potential impacts	community (including loss of facilities or loss Environmental impacts from activities not of		
Potential impacts	disruption to community.  Areas used for exploration activities, tempor		, ,
	USE.	ata.	
	Short term noise, air quality and visual impar ACCESS		madra. Nia manu manda usili ka
	Access to the drill sites will be from existing constructed. New access tracks to each dril paddocks at the closest possible point to the direct route from the farm tracks across the same route to and from the drill pad. Vehicul necessary after completion of drilling.	lsite will take off drillpad (vehicul paddock along lir	existing tracks around the edges of ar access will be the shortest possible ne of furrow). All vehicles will use the
	AIR Sealed collar and sampling system to be used on rig. Dust suppression unit for collecting sample during reverse circulation drilling, with air filter banks and closeable cyclone valves to limit the potential for dust emissions. Water injection to sampling system when drilling to dampen dust/drilling returns and prevent airborne dust. Clean and maintained drilling rig and ancillary equipment with air filters cleaned on a regular basis.  TIMING/NOISE 12 hours a day, 7 days a week 23 May 2024- 13 June 2024. The nearest sensitive receptor, Boonara, is over 4,200m away. Noise management: Any significant change in noise levels, or notification of noise from sensitive receivers during drilling operations will result in the suspension of drilling operations until rectified a level acceptable to receivers.		
Proposed management controls	Activities must comply with CEA Location Remust comply with (Exploration Code of Practicommitment in the application (APO). Releve potential impacts on all aspects of the environment o	tice: Environmen vant requirements onment (including title conditions (E	tal Management) as per the s of this Code include minimising g water, land, air). All disturbed Exploration Code of Practice:
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	Low
		public concern?	
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: Any impacts which result in		
	disadvantaged (e.g. change to community facilities, services or labour force).		

Potential impacts	Impacts from activities not of a nature to cause any significant or long term change or disruption to community.				
	Limited potential to significantly impact on in-	dividuals or com	munities - short term impacts only.		
	Areas used for exploration activities, temporarily removed from natural systems and / community use.				
	Short term noise, air quality and visual impac AIR	cts.			
	Sealed collar and sampling system to be use during reverse circulation drilling, with air filte potential for dust emissions. Water injection dust/drilling returns and prevent airborne dus equipment with air filters cleaned on a regula	er banks and close to sampling systems. Clean and ma	seable cyclone valves to limit the tem when drilling to dampen		
	TIMING/NOISE 12 hours a day, 7 days a week 23 May 2024- 13 June 2024. The nearest sensitive receptor, Boonara, is of Noise management: Any significant change receivers during drilling operations will result a level acceptable to receivers.	in noise levels, o	r notification of noise from sensitive		
Proposed management controls	Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activiti 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 al 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. Compensation under Mining Act available to mitigate compensation. Activities must comply with WHS legislative requirements.				
Duration	Short term				
Application ranking	I li ada	Aug frontle en	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	Low		
cope with impacts?	Tight tesments	level of public concern?	2011		
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  Potential impacts	Social Impacts: Any impacts on the health, s caused by factors such as pollution, odour, r	noise, vibration, l	ighting, visual impacts, etc).		
1 otential impacts	impacts.	tem to be used on rig. Dust suppression unit for collecting sample g, with air filter banks and closeable cyclone valves to limit the ater injection to sampling system when drilling to dampen airborne dust. Clean and maintained drilling rig and ancillary d on a regular basis.			
	Short term and temporary noise, air quality a				
	AIR Sealed collar and sampling system to be use during reverse circulation drilling, with air filte potential for dust emissions. Water injection				

			ct Thresholds and Criteria. Activities
Proposed management controls  Duration	Activities must comply with CEA Location Remust comply with (Exploration Code of Practice Commitment in the application (APO). Relevelements of the environment (water, land, so be rehabilitated in accordance with title concentration Rehabilitation to occur as soon as practicable requirement for landholder access arrangem Compensation under Mining Act available to WHS legislative requirements.	tice: Environment vant requirements oil, air), culture ar ditions (Exploration le after completion ments and compe	tal Management) as per the softhis Code include protection of all and 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	N/A	Are further	No
predicting impacts?		studies	
		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?	Yes	Ranking of	Low
		potential	
Con the imposte he mitigated?	Follo	significance	
Can the impacts be mitigated?  Do the operations comply with	Fully Yes	Justification f	or ranking
standards, plans, policies?	165		
Criteria	Social Impacts: Effect on a locality, place or	huilding having a	sesthetic anthronological
Ontena	archaeological, architectural, cultural, histori		
	value for present or future generations?	Ja., Joidining J. 5	resia. e.gea.i.ee e. ea.ie. epecia.
Potential impacts	Negligible potential to effect a locality, place	or building havin	g aesthetic, anthropological.
	archaeological, architectural, cultural, histori		
	value due to location restrictions of a CEA.		d temporary impacts only.
	Negligible impacts likely due to low impact of complying exploration activities and tempor		
Proposed management controls	of exploration.	r complying expit	oranon adamado ana tomporany mataro
Proposed management controls			, ,
Proposed management controls	of exploration.		, ,
Proposed management controls	of exploration.	estrictions, Impac	ot Thresholds and Criteria.
Proposed management controls	of exploration.  Activities must comply with CEA Location Re	estrictions, Impac	ot Thresholds and Criteria.
Proposed management controls	of exploration.  Activities must comply with CEA Location Real Activities must comply with (Exploration Code commitment in the application (APO).	estrictions, Impac	ot Thresholds and Criteria.
Proposed management controls	of exploration.  Activities must comply with CEA Location Real Activities must comply with (Exploration Code commitment in the application (APO).  Impacts limited to immediate vicinity of exploration.	estrictions, Impac	ot Thresholds and Criteria.
Proposed management controls	of exploration.  Activities must comply with CEA Location Re Activities must comply with (Exploration Cod commitment in the application (APO).  Impacts limited to immediate vicinity of explo AHIMS	estrictions, Impactions of Practice: En	ct Thresholds and Criteria.
Proposed management controls	of exploration.  Activities must comply with CEA Location Reference Activities must comply with (Exploration Code commitment in the application (APO).  Impacts limited to immediate vicinity of expload AHIMS There are no Aboriginal cultural heritage obj	estrictions, Impactive: Enterpretation activity.	ct Thresholds and Criteria.
Proposed management controls	of exploration.  Activities must comply with CEA Location Reference Activities must comply with (Exploration Code commitment in the application (APO).  Impacts limited to immediate vicinity of expload AHIMS There are no Aboriginal cultural heritage objections.	estrictions, Impactive: Enterpretation activity.	ct Thresholds and Criteria.
Proposed management controls	of exploration.  Activities must comply with CEA Location Reference Activities must comply with (Exploration Code commitment in the application (APO).  Impacts limited to immediate vicinity of expload AHIMS There are no Aboriginal cultural heritage objection Please see the attached AHIMS search (Applex Please See The ATTACE)	estrictions, Impactive: Enterpretation activity.	ct Thresholds and Criteria.
Proposed management controls	of exploration.  Activities must comply with CEA Location Reference Activities must comply with (Exploration Code commitment in the application (APO).  Impacts limited to immediate vicinity of expload AHIMS There are no Aboriginal cultural heritage objections.	estrictions, Impactive: Enterpretation activity.	ct Thresholds and Criteria.
Proposed management controls	of exploration.  Activities must comply with CEA Location Reference Activities must comply with (Exploration Code commitment in the application (APO).  Impacts limited to immediate vicinity of expload AHIMS There are no Aboriginal cultural heritage objection Please see the attached AHIMS search (Applex Please See The ATTACE)	estrictions, Impactive: Enterpretation activity.	ct Thresholds and Criteria.
Duration	of exploration.  Activities must comply with CEA Location Reference Activities must comply with (Exploration Code commitment in the application (APO).  Impacts limited to immediate vicinity of expload AHIMS There are no Aboriginal cultural heritage objection Please see the attached AHIMS search (Applex Please See The ATTACE)	estrictions, Impactive: Enterpretation activity.	ct Thresholds and Criteria.
Duration Application ranking	of exploration.  Activities must comply with CEA Location Reformation and Commitment in the application (APO).  Impacts limited to immediate vicinity of expload AHIMS There are no Aboriginal cultural heritage obj Please see the attached AHIMS search (Applex None located in area.	estrictions, Impactive: En oration activity. ects or places listered benefits 7).	ct Thresholds and Criteria.
Duration Application ranking What is the confidence in	of exploration.  Activities must comply with CEA Location Reformation and Commitment in the application (APO).  Impacts limited to immediate vicinity of expload AHIMS There are no Aboriginal cultural heritage objection Please see the attached AHIMS search (Application (Application)).	estrictions, Impactive: Endoration activity. ects or places listered bendix 7).  Are further	ct Thresholds and Criteria.
Duration Application ranking	of exploration.  Activities must comply with CEA Location Reformation and Commitment in the application (APO).  Impacts limited to immediate vicinity of expload AHIMS There are no Aboriginal cultural heritage obj Please see the attached AHIMS search (Applex None located in area.	estrictions, Impactive Enforces Enforces activity.  ects or places listendix 7).  Are further studies	et Thresholds and Criteria.  vironmental Management) as per the ted within the proposed work area.
Duration Application ranking What is the confidence in	of exploration.  Activities must comply with CEA Location Reformation and Commitment in the application (APO).  Impacts limited to immediate vicinity of expload AHIMS There are no Aboriginal cultural heritage obj Please see the attached AHIMS search (Applex None located in area.	estrictions, Impactive Endoration activity.  ects or places listoendix 7).  Are further studies required on	et Thresholds and Criteria.  vironmental Management) as per the ted within the proposed work area.
Duration Application ranking What is the confidence in	of exploration.  Activities must comply with CEA Location Reformation and Commitment in the application (APO).  Impacts limited to immediate vicinity of expload AHIMS There are no Aboriginal cultural heritage obj Please see the attached AHIMS search (Applex None located in area.	estrictions, Impacted of Practice: Enformation activity.  ects or places listed on the practice of places are places of places	et Thresholds and Criteria.  vironmental Management) as per the ted within the proposed work area.
Duration Application ranking What is the confidence in predicting impacts?	of exploration.  Activities must comply with CEA Location Reference Activities must comply with (Exploration Code commitment in the application (APO).  Impacts limited to immediate vicinity of expload AHIMS There are no Aboriginal cultural heritage objustes see the attached AHIMS search (Application of the AHIMS Search (Application of the AHIMS).  Short term  High	estrictions, Impactive end or Practice: End or Practice: End or E	et Thresholds and Criteria.  vironmental Management) as per the ted within the proposed work area.
Duration Application ranking What is the confidence in predicting impacts?  How resilient is the environment to	of exploration.  Activities must comply with CEA Location Reformation and Commitment in the application (APO).  Impacts limited to immediate vicinity of expload AHIMS There are no Aboriginal cultural heritage obj Please see the attached AHIMS search (Applex None located in area.	estrictions, Impacted on Practice: Enformation activity.  ects or places listed on places in places or mitigation?	et Thresholds and Criteria.  vironmental Management) as per the ted within the proposed work area.
Duration Application ranking What is the confidence in predicting impacts?	of exploration.  Activities must comply with CEA Location Reference Activities must comply with (Exploration Code commitment in the application (APO).  Impacts limited to immediate vicinity of expload AHIMS There are no Aboriginal cultural heritage objustes see the attached AHIMS search (Application of the AHIMS Search (Application of the AHIMS).  Short term  High	estrictions, Impacted on Practice: Enformation activity.  ects or places listed on places in places in places in places in places in places in places required on impacts or mitigation?  What is the level of	et Thresholds and Criteria.  vironmental Management) as per the ted within the proposed work area.
Duration Application ranking What is the confidence in predicting impacts?  How resilient is the environment to	of exploration.  Activities must comply with CEA Location Reference Activities must comply with (Exploration Code commitment in the application (APO).  Impacts limited to immediate vicinity of expload AHIMS There are no Aboriginal cultural heritage objustes see the attached AHIMS search (Application of the AHIMS Search (Application of the AHIMS).  Short term  High	estrictions, Impaction activity.  ects or places listered in studies required on impacts or mitigation?  What is the level of public	et Thresholds and Criteria.  vironmental Management) as per the ted within the proposed work area.
Duration Application ranking What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?	of exploration.  Activities must comply with CEA Location Reference Activities must comply with (Exploration Code commitment in the application (APO).  Impacts limited to immediate vicinity of explorations. There are no Aboriginal cultural heritage objects as each the attached AHIMS search (Applean None located in area.  Short term  High  High Resilience	estrictions, Impaction activity. ects or places listendix 7).  Are further studies required on impacts or mitigation? What is the level of public concern?	et Thresholds and Criteria.  vironmental Management) as per the ted within the proposed work area.
Duration Application ranking What is the confidence in predicting impacts?  How resilient is the environment to	of exploration.  Activities must comply with CEA Location Reference Activities must comply with (Exploration Code commitment in the application (APO).  Impacts limited to immediate vicinity of expload AHIMS There are no Aboriginal cultural heritage objustes see the attached AHIMS search (Application of the AHIMS Search (Application of the AHIMS).  Short term  High	estrictions, Impaction activity.  ects or places listered in studies required on impacts or mitigation?  What is the level of public concern?  Ranking of	et Thresholds and Criteria.  vironmental Management) as per the ted within the proposed work area.
Duration Application ranking What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?	of exploration.  Activities must comply with CEA Location Reference Activities must comply with (Exploration Code commitment in the application (APO).  Impacts limited to immediate vicinity of explorations. There are no Aboriginal cultural heritage objects as each the attached AHIMS search (Applean None located in area.  Short term  High  High Resilience	estrictions, Impaction activity.  ects or places listoendix 7).  Are further studies required on impacts or mitigation?  What is the level of public concern?  Ranking of potential	et Thresholds and Criteria.  vironmental Management) as per the ted within the proposed work area.
Duration Application ranking What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?  Can the impacts be reversed?	of exploration.  Activities must comply with CEA Location Reference Activities must comply with (Exploration Code commitment in the application (APO).  Impacts limited to immediate vicinity of explorations. There are no Aboriginal cultural heritage objects as each the attached AHIMS search (Applean None located in area.  Short term  High  High Resilience	estrictions, Impaction activity.  ects or places listoendix 7).  Are further studies required on impacts or mitigation?  What is the level of public concern?  Ranking of potential significance	t Thresholds and Criteria.  vironmental Management) as per the ted within the proposed work area.
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?	of exploration.  Activities must comply with CEA Location Reference Activities must comply with (Exploration Code commitment in the application (APO).  Impacts limited to immediate vicinity of explorations. There are no Aboriginal cultural heritage objects as each the attached AHIMS search (Application of the APIMS	estrictions, Impaction activity.  ects or places listoendix 7).  Are further studies required on impacts or mitigation?  What is the level of public concern?  Ranking of potential	t Thresholds and Criteria.  vironmental Management) as per the ted within the proposed work area.
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	of exploration.  Activities must comply with CEA Location Reference Activities must comply with (Exploration Code commitment in the application (APO).  Impacts limited to immediate vicinity of explorations AHIMS There are no Aboriginal cultural heritage object Please see the attached AHIMS search (Application of the AHIMS of the AHIMS search (Application of the AHIMS	estrictions, Impaction activity.  ects or places listoendix 7).  Are further studies required on impacts or mitigation?  What is the level of public concern?  Ranking of potential significance	t Thresholds and Criteria.  vironmental Management) as per the ted within the proposed work area.
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?	of exploration.  Activities must comply with CEA Location Reference Activities must comply with (Exploration Code commitment in the application (APO).  Impacts limited to immediate vicinity of explorations AHIMS There are no Aboriginal cultural heritage object Please see the attached AHIMS search (Application of the AHIMS of the AHIMS search (Application of the AHIMS	estrictions, Impacted of Practice: Enformation activity.  ects or places listed on impacts or mitigation?  What is the level of public concern?  Ranking of potential significance  Justification formations.	t Thresholds and Criteria.  vironmental Management) as per the ted within the proposed work area.  No  Low  or ranking
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	of exploration.  Activities must comply with CEA Location Reference Activities must comply with (Exploration Code commitment in the application (APO).  Impacts limited to immediate vicinity of expload AHIMS There are no Aboriginal cultural heritage objects please see the attached AHIMS search (Application of the AHIMS search (Ap	estrictions, Impact le of Practice: En pration activity.  ects or places listendix 7).  Are further studies required on impacts or mitigation?  What is the level of public concern?  Ranking of potential significance  Justification for strong sense of	t Thresholds and Criteria.  vironmental Management) as per the ted within the proposed work area.  No  Low  or ranking
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?	of exploration.  Activities must comply with CEA Location Reformation Code commitment in the application (APO).  Impacts limited to immediate vicinity of expload AHIMS There are no Aboriginal cultural heritage object Please see the attached AHIMS search (Application of the AHIMS of the AHIMS search (Application of the AHIMS of the AHIMS search (Application of the AHIMS of the AHI	estrictions, Impact le of Practice: En pration activity.  ects or places listendix 7).  Are further studies required on impacts or mitigation?  What is the level of public concern?  Ranking of potential significance  Justification for eave concerns ab	t Thresholds and Criteria.  vironmental Management) as per the ted within the proposed work area.  No  Low  or ranking  fidentity.  out possible future mining following any
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	of exploration.  Activities must comply with CEA Location Reformation Activities must comply with (Exploration Code commitment in the application (APO).  Impacts limited to immediate vicinity of expload AHIMS There are no Aboriginal cultural heritage object Please see the attached AHIMS search (Application AHIMS).  Short term  High  High Resilience  Yes  Partly Yes  Social Impacts: Impacts on communities with Community likely to include members who here.	estrictions, Impact le of Practice: En pration activity.  ects or places listed in the studies required on impacts or mitigation?  What is the level of public concern?  Ranking of potential significance Justification for ave concerns abporary impacts of aveconcerns abporary impacts of the strong sense of	t Thresholds and Criteria.  vironmental Management) as per the ted within the proposed work area.  No  Low  or ranking  f identity. out possible future mining following anyonly.
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	of exploration.  Activities must comply with CEA Location Real Activities must comply with (Exploration Code commitment in the application (APO).  Impacts limited to immediate vicinity of expload AHIMS There are no Aboriginal cultural heritage objects as each to attached AHIMS search (Application (APO)).  Short term  High  High Resilience  Yes  Partly Yes  Social Impacts: Impacts on communities with community likely to include members who hexploration program. Short term and tem Short term impacts on the community and plandholder agreement and any compensatio	estrictions, Impact le of Practice: En pration activity.  ects or places listed precent in the studies required on impacts or mitigation?  What is the level of public concern?  Ranking of potential significance Justification for ave concerns ab approary impacts or redominantly lim n. All disturbed.	tot Thresholds and Criteria.  Invironmental Management) as per the sted within the proposed work area.  No  Low  Low  or ranking  f identity.  out possible future mining following any only.  ited to immediate site. Subject to ged areas to be rehabilitated in
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	of exploration.  Activities must comply with CEA Location Real Activities must comply with (Exploration Code commitment in the application (APO).  Impacts limited to immediate vicinity of explorations. There are no Aboriginal cultural heritage objects as each to attached AHIMS search (Application Please see the attached AHIMS search (Application Please In area.  Short term  High  High Resilience  Yes  Social Impacts: Impacts on communities with Community likely to include members who hexploration program. Short term and term Short term impacts on the community and plandholder agreement and any compensation accordance with title conditions (Exploration).	estrictions, Impactive of Practice: Enformation activity.  ects or places listed on impacts or mitigation?  What is the level of public concern?  Ranking of potential significance Justification for ave concerns aborder y impacts or edominantly limen. All disturber Code of Practices	tot Thresholds and Criteria.  Invironmental Management) as per the sted within the proposed work area.  No  Low  Low  or ranking  f identity.  out possible future mining following any only.  ited to immediate site. Subject to ged areas to be rehabilitated in
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	of exploration.  Activities must comply with CEA Location Real Activities must comply with (Exploration Code commitment in the application (APO).  Impacts limited to immediate vicinity of exploration AHIMS There are no Aboriginal cultural heritage objects please see the attached AHIMS search (Applecase None located in area.  Short term  High  High Resilience  Yes  Partly Yes  Social Impacts: Impacts on communities with Community likely to include members who hexploration program. Short term and tem Short term impacts on the community and pullandholder agreement and any compensation accordance with title conditions (Exploration occur as soon as practicable after completion)	estrictions, Impactive of Practice: Enformation activity.  ects or places listed on impacts or mitigation?  What is the level of public concern?  Ranking of potential significance Justification for ave concerns aborder y impacts or edominantly limen. All disturber Code of Practices	tot Thresholds and Criteria.  Invironmental Management) as per the sted within the proposed work area.  No  Low  Low  or ranking  f identity.  out possible future mining following any only.  ited to immediate site. Subject to ged areas to be rehabilitated in
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	of exploration.  Activities must comply with CEA Location Real Activities must comply with (Exploration Code commitment in the application (APO).  Impacts limited to immediate vicinity of explorations. There are no Aboriginal cultural heritage objects as each to attached AHIMS search (Application Please see the attached AHIMS search (Application Please In area.  Short term  High  High Resilience  Yes  Social Impacts: Impacts on communities with Community likely to include members who hexploration program. Short term and term Short term impacts on the community and plandholder agreement and any compensation accordance with title conditions (Exploration).	estrictions, Impactive of Practice: Enformation activity.  ects or places listed on impacts or mitigation?  What is the level of public concern?  Ranking of potential significance Justification for ave concerns aborder y impacts or edominantly limen. All disturber Code of Practices	tot Thresholds and Criteria.  Invironmental Management) as per the sted within the proposed work area.  No  Low  Low  or ranking  f identity.  out possible future mining following any only.  ited to immediate site. Subject to ged areas to be rehabilitated in

What is the confidence in	Medium	Are further	No
predicting impacts?		studies	
prodicting impactor		required on	
		impacts or	
		mitigation?	
Llaw resilient is the environment to	High Deciliones		Low
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 for	or ranking
Do the operations comply with	Yes		- · · · · · · · · · · · · · · · · · · ·
standards, plans, policies?	100		
Criteria	Social Imports: Imports on disadventaged of	ommunition	
***	Social Impacts: Impacts on disadvantaged c	ommunices.	
Potential impacts	No negative impacts predicted.		
Proposed management controls	Short term impacts on the community and pr	redominantly lim	ited to immediate site. Subject to
	landholder agreement and any compensatio	n. All disturbe	ed areas to be rehabilitated in
	accordance with title conditions (Exploration		Rehabilitation) Rehabilitation to
	occur as soon as practicable after completio		. Hondomadorij. Hondomadori to
Duration	Short term	or addivity.	
	Onort term		
Application ranking			L
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?	Thigh recombined	level of	2011
cope with impacts:			
		public	
		concern?	
Can the impacts be reversed?	Yes	Ranking of	Low
		potential	
		significance	
Can the impacts be mitigated?	Fully	Justification for	or ranking
Do the operations comply with	Yes		
standards, plans, policies?	100		
Criteria	Economic Impacts: Any impacts which may	 affact aconomic (	activity (positive or pogetive) including
Criteria		anect economic a	activity (positive of flegative), including
D ( () 1)	a decrease to net economic welfare.		16 16 6 1
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	nd goods utilised	
Duration	Short term		
Application ranking			
What is the confidence in	High	Are further	No
predicting impacts?	1.19.1	studies	
producting impacts :		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	or ranking
Do the operations comply with	Yes	Jasanioalion I	o. rammiy
	169		
standards, plans, policies?	Francis Inspector Assistant that	 	and a second sec
Criteria	Economic Impacts: Any impacts that result in		
Potential impacts	Activities not of a scale to warrant changes in	n supply side.	Temporary increase in demand will
	result in increased income for some supplier		
Proposed management controls	Negligible impacts likely due to low personne		emporary nature of exploration.
	Generally positive for suppliers of services a		
Duration	Short term	goodo dilliood	
	Onort term		
Application ranking	10.1		L
What is the confidence in	High	Are further	No
	I .	studies	
predicting impacts?			
predicting impacts?		required on	
predicting impacts?		required on impacts or	
predicting impacts?			

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	Economic Impacts: Any impacts which result in a change to the public sector revenue or expenditure base.				
Potential impacts	Rehabilitation security bond covers any futur	re public liability f	for rehabilitation.		
	Investment in exploration may lead to signific	· ·			
	Limited long term negative economic impact REHABILITATION Holes will be cased off into bedrock with 150 and capped one (1) metre below ground level buried and all surface areas rehabilitated in I requirements.	Omm PVC casing el on completion	, with the hole grouted and casing cut of the program. Drill collars will be		
Proposed management controls	Small increase in public revenue associated	with exploration,	including taxes from wages.		
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	Low		
		concern?			
Can the impacts be reversed?	Yes	Ranking of potential significance	Low		
Can the impacts be mitigated?	No	Justification f	or ranking		
Do the operations comply with standards, plans, policies?	Yes	Justinication	or ranking		
Criteria	Heritage Impacts: Any impacts on a locality, heritage significance.		e, building or archaeological relic of		
Potential impacts	Damage to structures and sensitive features	i.			
	Limited potential to significantly impact on locality, places, landscapes or buildings.  Short term noise, air quality and visual impacts.  Potential for temporary impact on aesthetics of a locality.  LANDUSE  All planned drill pads are in areas currently used for pastoral / cropping purposes. These areas hav been extensively disturbed by farming activities.  All activities will be communicated with the landholder to determine any impact on planned agricultural activities. There will be no permanent change to the current land use during the activity				
	All temporary changes will be rehabilitated a AHIMS There are no Aboriginal cultural heritage objected Please see the attached AHIMS search (Appendix HERITAGE None located in area.	ects or places lis pendix 7).	ted within the proposed work 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 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					

	T 21/2		T.,.
What is the confidence in	N/A	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?	. 55		
Criteria	Aesthetic Impacts: Any impacts on the visua	l or scenic lands	cape including lighting venting or
Officia	flaring of gas.	i or sociilo lariasi	sape, mordaing lighting, venting of
Potential impacts	Limited potential to significantly impact on vi	cual or econic lar	ndecane
roteitiai iiipacts	Limited potential to significantly impact on vi	sual of scerile lai	iuscape.
	Chart term noise air quality and visual impa	oto	
	Short term noise, air quality and visual impa	CIS.	
	5. 6.6.		
	Potential for temporary impact on aesthetics	of a locality.	
	Lighting during night time operations and us	e of access track	s by vehicles at night may affect local
	amenity.		
	LANDUSE		
	All planned drill pads are in areas currently ι	ised for pastoral	/ cropping purposes. These areas have
	been extensively disturbed by farming activit	ties.	
	All activities will be communicated with the la	andholder to dete	ermine any impact on planned
	agricultural activities. There will be no perma	anent change to t	he current land use during the activity.
	All temporary changes will be rehabilitated a	s soon as practic	cal to allow normal land use to resume.
		·	
Proposed management controls	Activities must comply with CEA Location Re	estrictions. Impac	t Thresholds and Criteria. Activities
<b>.</b>	must comply with (Exploration Code of Pract		
	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		
Down-Maria	practicable after completion of activity (included)	ung sealing of ar	ly borenoies).
Duration	Short term		
Application ranking		T	
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?	N/A	Ranking of	Low
can are impacte so reversed:	1.00	potential	
		significance	
Can the impacts be mitigated?	Fully	Justification f	or ranking
	,	JUSTILICATION 1	UI TATIKITIY
Do the operations comply with	Yes		
standards, plans, policies?	A a atha tia luan a star Average with successful.	-4141	· · · · · · · ·
Criteria	Aesthetic Impacts: Areas or items of high ae	smetic or scenic	value.

	_				
Potential impacts	Limited potential to significantly impact on a	esthetic or scenic	value.		
	Short term noise, air quality and visual impa	cts.			
	Potential for temporary impact on aesthetics of a locality.				
	Lighting during night time operations and use of access tracks by vehicles at night may affect local amenity .				
	Exploration activities, including any removal of vegetation and access track locations, may impact on visual amenity.  LANDUSE  All planned drill pads are in areas currently used for pastoral / cropping purposes. These areas have been extensively disturbed by farming activities.  All activities will be communicated with the landholder to determine any impact on planned agricultural activities. There will be no permanent change to the current land use during the activity. All temporary changes will be rehabilitated as soon as practical to allow normal land use to resume.				
Proposed management controls	Short term impacts predominantly limited to	immediate site.	Activities must comply with CEA		
	Short term impacts predominantly limited to immediate site. 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). 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				
Duration	activity (including sealing of any boreholes).  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	High Resilience	What is the	Low		
cope with impacts?		level of public concern?			
Can the impacts be reversed?	Yes	Ranking of potential	Low		
Can the impacts be mitigated?	Partly	significance Justification f	l for ranking		
Do the operations comply with	Yes				
standards, plans, policies?	Cultural Impacts, Any disturbance of the gra	lind ourfood or over	av gulturally modified trace (a.g. a.g.a.		
Criteria	Cultural Impacts: Any disturbance of the gro tree).	und surface or at	ny culturally modified trees (e.g. a scar		
Potential impacts	Short term ground disturbance.				
	Potential for temporary impact on aesthetics	of a locality.			
	AHIMS				
	There are no Aboriginal cultural heritage obj Please see the attached AHIMS search (App		ted within the proposed work area.		
Proposed management controls	Activities must comply with CEA Location Re				
	cannot occur on land declared an Aboriginal				
	Activities must comply with (Exploration Coccommitment in the application (APO). Relev	le of Practice: En vant requirements	Nironmental Management) as per the		
	potential impacts on all aspects of the enviro	nment (including	y 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	uning sealing of al	ly borerioles).		
Application ranking					
What is the confidence in predicting impacts?	High	Are further studies	No		
predicting impacts:		required on			
		impacts or mitigation?			
How resilient is the environment to	High Resilience	What is the	Medium		
cope with impacts?		level of			
		public concern?			
	1	ooncent:	1		

Can the impacts be mitigated? Do the operations comply with Critical and arise plans, policies? Potential impacts  Potential impacts  Short term ground disturbance.  Potential for impact on Aboriginal objects and places through ground disturbance, excavations, vegetation clearing, etc.  AHIMS  There are no Aboriginal cultural heritage objects or places listed within the proposed work area Please see the attached AHIMS search (Appendix 7).  Proposed management controls  Activities must comply with CEA Location Restrictions, impact Thresholds and Criteria. Activities aronato occur on land declared an Aboriginal Place and activities must not harm Aboriginal Chip Activities must comply with CEA Location Restrictions, impact Thresholds and Criteria. Activities aronato occur on land declared an Aboriginal Place and activities must not harm Aboriginal Chip Activities must comply with CEA Location Restrictions, impact Thresholds and Criteria. Activities aronato occur on India declared an Aboriginal Place and activities must not harm Aboriginal Chip Activities must comply with CEA Location Restrictions, impact Thresholds and Criteria. Activities aronato occur on India declared an Aboriginal Place and activities must not harm Aboriginal Chip Activities must comply with (EEA Location Restrictions, Impact Thresholds and Criteria. Activities aronators, and activities of Practice Environmental Management as per commitment in the application (APO). Relevant requirements of this Code include minimising potential productions. Provided and Provided Activities must comply with (Appendix 7).  Proprietation ranking  What is the confidence in predicting impacts or mitigation?  Provided management controls  Provided management comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities and Cocur on India declared an Aboriginal Place and activities must not harm Aboriginal Chip Activities must comply with (EEA Location Restrict	Can the impacts be reversed?	Yes	Ranking of	Low	
Do the operations comply with standards, plans, policies?  Criteria  Potential impacts  Short term ground disturbance.  Potential for impact on Aboriginal objects and places through ground disturbance, excavations, vegetation clearing, etc.  AFIMS  There are no Aboriginal cultural heritage objects or places listed within the proposed work area Please see the attached AFIMS search (Appendix 7).  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 or places listed within the proposed work area Please see the attached AFIMS search (Appendix 7).  Activities must comply with (Exploration Code of Practice. Environmental Management) as per commitment in the application (APO). Relevant requirements of his Code include minimising potential impacts or all aspects of the environment (including water, land, an), culture and hard with filter orditions (Exploration Code of Practice. Environmental Management) as per commitment in the application Code of Practice. Environmental Management) as per practicable after completion of activity (including sealing of any boreholes).  Short term  Duration  Application ranking  What is the confidence in producting impacts?  Fully  Land the impacts be mitigated?  Potential impacts and produce and pro			potential significance		
Criteria   Cultural Impacts   Cultural Impacts   Cultural Impacts   Short term ground disturbance.   Potential for impact on Aboriginal objects and places through ground disturbance, excavations, vegetation clearing, etc.   A-IMIS   There are no Aboriginal cultural heritage objects or places listed within the proposed work area Please see the attached A-IMIS search (Appendix 7).   A-IMIS   A-IMIS   Cannot occur on land declared an Aboriginal Place and activities must not harm Aboriginal Objects   A-IMIS   A-I		,			
Potential impacts   Short term ground disturbance.   Potential for impact on Aboriginal objects and places through ground disturbance, excavations, vegetation clearing, etc.   AHIMS   There are no Aboriginal cultural heritage objects or places listed within the proposed work area Please see the attached AHIMS search (Appendix 7).		Yes			
Potential for impact on Aboriginal objects and places through ground disturbance, excavations, vegetation clearing, etc.  AHIMS There are no Aboriginal cultural heritage objects or places listed within the proposed work area Please see the attached AHIMS search (Appendix 7).  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 (Exploration Code of Practice: Environmental Management) as commitment in the application (APO). Relational relations of this Code include minimising potential impacts on all aspects of the environment (including water, land, air), culture and herit (Aboriginal and Non-Indigenous heritage).  Application ranking  What is the confidence in predicting impacts?  High Application ranking  High Are further studies required on impacts or mitigation.  High Resilience  High Are studies required on impacts or mitigation.  Can the impacts be mitigated?  Pot the operations comply with standards, plans, policies?  Criteria  Can the impacts be mitigated?  Do the operations comply with standards, plans, policies?  Criteria  Potential impacts  Aboriginal objects.  Short term ground disturbance.  Potential impacts  Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities and places through ground disturbance, excavations, vegetation dearing, etc.  AHIMS Three are no Aboriginal cultural heritage objects or places listed within the proposed work area Please see the attached AHIMS search (Appendix 7).  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 Restric	Criteria	Cultural Impacts: Any impacts on known Aboriginal objects or Aboriginal places.			
Vegetation clearing, etc.	Potential impacts	Short term ground disturbance.			
There are no Aboriginal cultural heritage objects or places listed within the proposed work area Please see the attached AHIMS search (Appendix 7).		Potential for impact on Aboriginal objects and places through ground disturbance, excavations, vegetation clearing, etc.			
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 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 herit (Aboriginal and Non-Indigenous heritage).  Mit title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as so practicable after completion of activity (including sealing of any boreholes).  Short term  Application ranking  What is the confidence in predicting impacts?  High  How resilient is the environment to cope with impacts?  Can the impacts be reversed?  Can the impacts be reversed?  Yes  Ranking of Low potential significance  Can the impacts be mitigated?  Potential impacts  Fully  Justification for ranking  Yes  Caltural Impacts: Affects areas where the landscape features indicate the likely presence of Aboriginal objects.  Potential impacts  Short term ground disturbance.  Potential impacts  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, 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		There are no Aboriginal cultural heritage objects or places listed within the proposed work area.			
Short term   Application ranking   What is the confidence in predicting impacts?   High   Are further studies required on impacts or mitigation?	Proposed management controls	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			
What is the confidence in predicting impacts?  High Resilience Studies required on impacts or mitigation?  How resilient is the environment to cope with impacts?  Can the impacts be reversed? Yes Ranking of public concern?  Can the impacts be mitigated? Fully Justification for ranking  Do the operations comply with standards, plans, policies?  Criteria Concern?  Cultural Impacts: Affects areas where the landscape features indicate the likely presence of Aboriginal objects.  Short term ground disturbance.  Potential impacts  Potential for impact on Aboriginal objects and places through ground disturbance, excavations, vegetation clearing, etc.  AHIMS There are no Aboriginal cultural heritage objects or places listed within the proposed work area Please see the attached AHIMS search (Appendix 7).  Proposed management controls  Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria, Activities and cocur on land declared an Aboriginal Place and activities must not harm Aboriginal Objects or places is the within the proposed work area Please see the attached AHIMS search (Appendix 7).  Proposed management controls  Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria, Activities and cocur on land declared an Aboriginal Place and activities must not harm Aboriginal Objects or places is the environment (Include minimising optential impacts on all aspects of the environment (Including water, land, air), culture and herit (Aboriginal and Non-Indigenous heritage).  All disturbed areas to be rehabilitation to occur as so practicable after completion of activity (Including sealing of any boreholes).  Short term  Application ranking  What is the confidence in predicting impacts?  High Resilience  High Resilience  What is the environment to	Duration			,	
Studies   Stud					
Impacts or mitigation?   High Resilience   High Resilience   What is the level of public concern?		High	studies	No	
Can the impacts be reversed?  Can the impacts be mitigated? Do the operations comply with standards, plans, policies?  Criteria  Cultural Impacts: Affects areas where the landscape features indicate the likely presence of Aboriginal objects.  Potential impacts  Short term ground disturbance.  Potential for impact on Aboriginal objects and places through ground disturbance, excavations, vegetation clearing, etc.  AHIMS There are no Aboriginal cultural heritage objects or places listed within the proposed work area Please see the attached AHIMS search (Appendix 7).  Proposed management controls  Activities must comply with (Exploration Code of Practice: Environmental Management) as per 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 herit (Aboriginal and Non-Indigenous heritage). All disturbed areas to be rehabilitated in accorda with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as so practicable after completion of activity (including sealing of any boreholes).  Duration  Application ranking  What is the confidence in predicting impacts?  High Are further studies  What is the environment to High Resilience  What is the Low			impacts or		
Can the impacts be reversed?  Can the impacts be mitigated?  Do the operations comply with standards, plans, policies?  Criteria  Potential impacts  Cultural Impacts: Affects areas where the landscape features indicate the likely presence of Aboriginal objects.  Potential impacts  Short term ground disturbance.  Potential for impact on Aboriginal objects and places through ground disturbance, excavations, vegetation clearing, etc.  AHIMS There are no Aboriginal cultural heritage objects or places listed within the proposed work area Please see the attached AHIMS search (Appendix 7).  Proposed management controls  Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities annot occur on land declared an Aboriginal Place and activities must not harm Aboriginal Object of Practice: Environmental Management) as per 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 herit (Aboriginal and Non-Indigenous heritage). All disturbed areas to be rehabilitated in accorda with title conditions (Exploration Code of Practice: Environmental Management) as per practicable after completion of activity (including sealing of any boreholes).  Duration  Application ranking  What is the confidence in predicting impacts?  High Resilience  High Resilience  High Resilience  What is the environment to		High Resilience	level of public	Medium	
Can the impacts be mitigated? Do the operations comply with standards, plans, policies?  Criteria  Cultural Impacts: Affects areas where the landscape features indicate the likely presence of Aboriginal objects.  Potential impacts  Short term ground disturbance.  Potential for impact on Aboriginal objects and places through ground disturbance, excavations, vegetation clearing, etc.  AHIMS There are no Aboriginal cultural heritage objects or places listed within the proposed work area Please see the attached AHIMS search (Appendix 7).  Proposed management controls  Activities must comply with (Exploration Code of Practice: Environmental Management) as per 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 herit (Aboriginal and Non-Indigenous heritage). All disturbed areas to be rehabilitated in accorda with tittle conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as sor 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 environment to High Resilience  What is the environment to High Resilience  What is the Low	Con the impacts he verround?	Vee		Low	
Can the impacts be mitigated? Do the operations comply with standards, plans, policies?  Criteria  Potential impacts  Cultural Impacts: Affects areas where the landscape features indicate the likely presence of Aboriginal objects.  Short term ground disturbance.  Potential for impact on Aboriginal objects and places through ground disturbance, excavations, vegetation clearing, etc.  AHIMS There are no Aboriginal cultural heritage objects or places listed within the proposed work area Please see the attached AHIMS search (Appendix 7).  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 commitment in the application (APO). Retour requirements of this Code include minimising potential impacts on all aspects of the environment (including water, land, air), culture and herit (Aboriginal and Non-Indigenous heritage). All disturbed areas to be rehabilitation to occur as so practicable after completion of activity (including sealing of any boreholes).  Duration  Application ranking  What is the confidence in predicting impacts?  High  Are further studies required on impacts or mitigation?  What is the environment to  High Resilience  What is the environment to	Can the impacts be reversed?	Yes	potential	Low	
Do the operations comply with standards, plans, policies?  Criteria  Cultural Impacts: Affects areas where the landscape features indicate the likely presence of Aboriginal objects.  Short term ground disturbance.  Potential impacts  Short term ground disturbance.  Potential for impact on Aboriginal objects and places through ground disturbance, excavations, vegetation clearing, etc.  AHIMS There are no Aboriginal cultural heritage objects or places listed within the proposed work area Please see the attached AHIMS search (Appendix 7).  Proposed management controls  Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities annot occur on land declared an Aboriginal Place and activities must not harm Aboriginal Objects and places are activities must not harm Aboriginal Objects and places are activities must not harm Aboriginal Objects and places are activities must not harm Aboriginal Objects and Place and activities must not harm Aboriginal Objects and Place and activities must not harm Aboriginal Objects and Divide and Place and activities must not harm Aboriginal Objects and Divide and Place and activities must not harm Aboriginal Objects and Place and activities must not harm Aboriginal Objects and Place and activities must not harm Aboriginal Objects and Place and activities must not harm Aboriginal Objects and Place and activities must not harm Aboriginal Objects and Place and activities must not harm Aboriginal Objects and Place and activities must not harm Aboriginal Objects and Place and activities must not harm Aboriginal Objects and places through ground disturbance.  Proposed management controls  Activities must comply with (EA Location Restrictions, Impact Thresholds and Criteria. Activities activities must not harm Aboriginal Objects and places through ground disturbance.  Proposed management controls  Activities must comply with (EA Location Restrictions, Impact Thresholds and Criteria. Activities must not harm Aboriginal Objects and places through ground di	Can the impacts be mitigated?	Fully		or ranking	
Criteria  Cultural Impacts: Affects areas where the landscape features indicate the likely presence of Aboriginal objects.  Short term ground disturbance.  Potential impacts  Short term ground disturbance.  Potential for impact on Aboriginal objects and places through ground disturbance, excavations, vegetation clearing, etc.  AHIMS  There are no Aboriginal cultural heritage objects or places listed within the proposed work area Please see the attached AHIMS search (Appendix 7).  Proposed management controls  Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities and cocur 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 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 herit (Aboriginal and Non-Indigenous heritage). All disturbed areas to be rehabilitated in accorda with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as sor practicable after completion of activity (including sealing of any boreholes).  Duration  Application ranking  What is the confidence in predicting impacts?  High  Are further studies required on impacts or mitigation?  High Resilience  What is the environment to High Resilience  What is the environment to	Do the operations comply with	Yes		<u> </u>	
Aboriginal objects.  Potential impacts  Short term ground disturbance.  Potential for impact on Aboriginal objects and places through ground disturbance, excavations, vegetation clearing, etc.  AHIMS There are no Aboriginal cultural heritage objects or places listed within the proposed work area Please see the attached AHIMS search (Appendix 7).  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 Object Activities must comply with (Exploration Code of Practice: Environmental Management) as per 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 herit (Aboriginal and Non-Indigenous heritage). All disturbed areas to be rehabilitated in accorda with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as sor 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 environment to High Resilience  What is the Low	· · · · · · · · · · · · · · · · · · ·	Cultural Impacts: Affacts areas where the lar	decapo foaturos	indicate the likely presence of	
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cannot occur on land declared an Aboriginal Place and activities must not harm Aboriginal Obje Activities must comply with (Exploration Code of Practice: Environmental Management) as per 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 herit (Aboriginal and Non-Indigenous heritage). All disturbed areas to be rehabilitated in accorda with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as sor practicable after completion of activity (including sealing of any boreholes).  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  High Resilience  What is the Low	Potential impacts	Potential for impact on Aboriginal objects and places through ground disturbance, excavations, vegetation clearing, etc.  AHIMS There are no Aboriginal cultural heritage objects or places listed within the proposed work area.			
Application ranking  What is the confidence in predicting impacts?  High  Are further studies required on impacts or mitigation?  How resilient is the environment to High Resilience  What is the Low		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).			
What is the confidence in predicting impacts?  High  Are further studies required on impacts or mitigation?  How resilient is the environment to  High Resilience  Are further studies required on impacts or mitigation?  Low		Snort term			
predicting impacts?  studies required on impacts or mitigation?  How resilient is the environment to High Resilience What is the Low		High	Are further	No	
How resilient is the environment to High Resilience What is the Low			studies required on impacts or		
public concern?	How resilient is the environment to cope with impacts?	High Resilience	What is the level of public	Low	

Can the impacts be reversed?	Yes	Ranking of potential significance	Low	
Can the impacts be mitigated?	Fully		or ranking	
Do the operations comply with standards, plans, policies?	Fully Justification for ranking Yes			
Criteria	Cultural Impacts: Affects areas subject to native title claims, indigenous land use agreements or joint management arrangements.			
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.			
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.			
Duration	Short term			
Application ranking			T	
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	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 standards, plans, policies?	Yes			
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.			
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	High Resilience	What is the	Low	
cope with impacts?		level of public concern?		
Can the impacts be reversed?	Yes	Ranking of potential	Low	
		significance		
Can the impacts be mitigated?	Fully	Justification for ranking		
Do the operations comply with	/es			
standards, plans, policies?				
Criteria	Cultural Impacts: Impacts on areas or items of high anthropological, archaeological, architectural, cultural, heritage, historical, recreational or scientific value.			
Potential impacts	Short term and temporary impacts only. LANDUSE All planned drill pads are in areas currently to been extensively disturbed by farming activitial All activities will be communicated with the lagricultural activities. There will be no perma All temporary changes will be rehabilitated a	ties. andholder to dete anent change to t	ermine any impact on planned the current land use during the activity.	

Proposed management controls	Activities must comply with CEA Location Remust comply with (Exploration Code of Praccommitment in the application (APO). Releve potential impacts on all aspects of the environ (Aboriginal and Non-Indigenous heritage). A be demarcated and avoided. All disturbed conditions (Exploration Code of Practice: Repracticable after completion of activity (inclu-	tice: Environmen vant requirements onment (including boriginal or Euro ed areas to be rel ehabilitation). Rel	tal Management) as per the softhis Code include minimising water, land, air), culture and heritage pean heritage objects/items/areas to nabilitated in accordance with title nabilitation to occur as soon as
Duration	N/A	anig scaning or an	ry berenees).
Application ranking	14/74		
What is the confidence in	High	Are further	No
predicting impacts?		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?	Fully	Justification f	or ranking
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Land Use Impacts: Any major changes in lal uses.	nd use, including	curtailment of other beneficial land
Proposed management controls	compensation limit any potential impacts.	vicinity of site.  rarily removed fro ive rural industrie mber resources.  used for pastoral ties. andholder to dete anent change to t as soon as practic ate site of the act ds and Criteria. al Management) a to be rehabilitated n). Rehabilitation	m existing land use/s but no long term s, including agriculture).  / cropping purposes. These areas have ermine any impact on planned he current land use during the activity. cal to allow normal land use to resume.  tivity. Activities must comply with Activities must comply with as per the commitment in the d in accordance with title conditions
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?  Do the operations comply with standards, plans, policies?	Yes	Justification f	OF TALIKING
Criteria	Transportation Impacts: Substantial impacts on existing transportation systems (road, rail, pedestrian) which alter present patterns of circulation or movement.		

Potential impacts			
	Short term additional traffic during exploration activity, primarily during set-up/construction stage. ACCESS  Access to the drill sites will be from existing roads and farm tracks. No new roads will be constructed. New access tracks to each drillsite will take off existing tracks around the edges of paddocks at the closest possible point to the drillpad (vehicular access will be the shortest possible direct route from the farm tracks across the paddock along line of furrow). All vehicles will use the same route to and from the drill pad. Vehicular tracks across paddocks will be ripped where necessary after completion of drilling.		
Proposed management controls	Short term additional traffic during exploration activity, primarily during set-up/construction stage.  Limited to immediate site. Subject to landholder agreement and any compensation.		
Duration	Short term		
Application ranking	T. P. L.		LN
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	Transportation Impacts: Impacts associated	with direct or ind	irect additional traffic.
	Short term additional traffic during exploration activity, primarily during set-up/construction stage. ACCESS  Access to the drill sites will be from existing roads and farm tracks. No new roads will be constructed. New access tracks to each drillsite will take off existing tracks around the edges of paddocks at the closest possible point to the drillpad (vehicular access will be the shortest possible direct route from the farm tracks across the paddock along line of furrow). All vehicles will use the same route to and from the drill pad. Vehicular tracks across paddocks will be ripped where necessary after completion of drilling.  TRUCK/DRILL  The program will utilise 1x UDR 1000 truck-mounted multi-purpose drill rig. 1x Volvo 8x4 tilt tray support truck for transporting equipment. 1x 4x4 MAN water truck (10,000ltr). 1x 400ltr fuel pod. 1x BLY jack up rod sloop. 2x support light vehicles. Further details are shown in Appendix 5.		
	The program will utilise 1x UDR 1000 truck-r support truck for transporting equipment. 1x	4x4 MAN water	truck (10,000ltr). 1x 400ltr fuel pod. 1x
Proposed management controls	The program will utilise 1x UDR 1000 truck-r support truck for transporting equipment. 1x BLY jack up rod sloop. 2x support light vehic Short term additional traffic during exploratio Limited to immediate site. Subject to lar	4x4 MAN water to cles. Further detained an activity, primar	truck (10,000ltr). 1x 400ltr fuel pod. 1x ills are shown in Appendix 5.
Duration	The program will utilise 1x UDR 1000 truck-r support truck for transporting equipment. 1x BLY jack up rod sloop. 2x support light vehic Short term additional traffic during exploration	4x4 MAN water to cles. Further detained an activity, primar	truck (10,000ltr). 1x 400ltr fuel pod. 1x ills are shown in Appendix 5.
	The program will utilise 1x UDR 1000 truck-r support truck for transporting equipment. 1x BLY jack up rod sloop. 2x support light vehic Short term additional traffic during exploratio Limited to immediate site. Subject to lar	4x4 MAN water to cles. Further detains activity, primar andholder agreem  Are further studies required on impacts or	truck (10,000ltr). 1x 400ltr fuel pod. 1x ills are shown in Appendix 5.
Duration Application ranking What is the confidence in	The program will utilise 1x UDR 1000 truck-r support truck for transporting equipment. 1x BLY jack up rod sloop. 2x support light vehic Short term additional traffic during exploratio Limited to immediate site. Subject to lat Short term	Ax4 MAN water to cles. Further detailed an activity, primar andholder agreem  Are further studies required on impacts or mitigation?  What is the level of public	truck (10,000ltr). 1x 400ltr fuel pod. 1x ills are shown in Appendix 5.  illy during set-up/construction stage. lent and any compensation.
Duration Application ranking What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?  Can the impacts be reversed?	The program will utilise 1x UDR 1000 truck-r support truck for transporting equipment. 1x BLY jack up rod sloop. 2x support light vehic Short term additional traffic during exploratio Limited to immediate site. Subject to lar Short term  High  High Resilience	Ax4 MAN water to cles. Further detailed in activity, primar indholder agreem.  Are further studies required on impacts or mitigation?  What is the level of public concern?  Ranking of potential significance	truck (10,000ltr). 1x 400ltr fuel pod. 1x iils are shown in Appendix 5.  iily during set-up/construction stage. ient and any compensation.  No  Low
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?	The program will utilise 1x UDR 1000 truck-r support truck for transporting equipment. 1x BLY jack up rod sloop. 2x support light vehic Short term additional traffic during exploratio Limited to immediate site. Subject to late Short term  High  High Resilience	Ax4 MAN water to cles. Further detailed an activity, primare and holder agreem  Are further studies required on impacts or mitigation?  What is the level of public concern?  Ranking of potential	truck (10,000ltr). 1x 400ltr fuel pod. 1x iils are shown in Appendix 5.  iily during set-up/construction stage. ient and any compensation.  No  Low
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	The program will utilise 1x UDR 1000 truck-r support truck for transporting equipment. 1x BLY jack up rod sloop. 2x support light vehic Short term additional traffic during exploratio Limited to immediate site. Subject to lar Short term  High  High Resilience	Ax4 MAN water to cles. Further detailed in activity, primar indholder agreem.  Are further studies required on impacts or mitigation?  What is the level of public concern?  Ranking of potential significance	truck (10,000ltr). 1x 400ltr fuel pod. 1x iils are shown in Appendix 5.  iily during set-up/construction stage. ient and any compensation.  No  Low
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	The program will utilise 1x UDR 1000 truck-r support truck for transporting equipment. 1x BLY jack up rod sloop. 2x support light vehic 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 strategic plans.	Ax4 MAN water to cles. Further detailed an activity, primar indholder agreem  Are further studies required on impacts or mitigation?  What is the level of public concern?  Ranking of potential significance  Justification f	truck (10,000ltr). 1x 400ltr fuel pod. 1x iils are shown in Appendix 5.  illy during set-up/construction stage. ient and any compensation.  No  Low  tow
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	The program will utilise 1x UDR 1000 truck-r support truck for transporting equipment. 1x BLY jack up rod sloop. 2x support light vehic 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 strategic plans.  Temporary and short term impact on the land	4x4 MAN water to cles. Further detailed an activity, primar indholder agreem  Are further studies required on impacts or mitigation?  What is the level of public concern?  Ranking of potential significance  Justification full lanning statements.	truck (10,000ltr). 1x 400ltr fuel pod. 1x ills are shown in Appendix 5.  illy during set-up/construction stage. lent and any compensation.  No  Low  Low  or ranking  nts, regional strategic plans or district
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	The program will utilise 1x UDR 1000 truck-r support truck for transporting equipment. 1x BLY jack up rod sloop. 2x support light vehic 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 strategic plans.	Ax4 MAN water to cles. Further detailed an activity, primare indholder agreem.  Are further studies required on impacts or mitigation?  What is the level of public concern?  Ranking of potential significance  Justification for the activity.  22 and Petroleum of the activity.  22 and Petroleum of Code of Practices.	truck (10,000ltr). 1x 400ltr fuel pod. 1x iils are shown in Appendix 5.  iily during set-up/construction stage. ient and any compensation.  No  Low  Low  or ranking  nts, regional strategic plans or district  ent under the EP&A Act and conflict or inconsistency with applicable or district strategic plans. Minimal Impacts are compensable under in (Onshore) Act 1991. Subject to ed areas to be rehabilitated in expension in Rehabilitation). Rehabilitation to

Application ranking			
Application ranking What is the confidence in	High	Are further	No
predicting impacts?	riigii	studies	NO
predicting impacts:		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	High Resilience	What is the	Low
cope with impacts?	Tilgit i teemenee	level of	2011
copo min impuoto i		public	
		concern?	
Can the impacts be reversed?	Uncertain	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	Matters of National Environmental Significan	ice: Impacts on N	INES under the Commonwealth
	Environmental Protection and Biodiversity C	onservation Act	1999:
Potential impacts	N/A as activities must comply with CEA Loca	ation Restrictions	, Impact Thresholds and Criteria.
	Cannot impact on MNES.		
	SENSITIVITY		
	There are no threatened species or ecologic		
	proposed work area. Please refer to the atta		
	Close to Terrestrial biodiversity zones but av	oided (refer to m	ap provided "Big Red Terrestrial
	Biodiversity".		
	PCT observed is Plains Grass grassland.		
	N1/A		
Proposed management controls	N/A		
Duration	N/A		
Application ranking	N1/A		L 21/2
What is the confidence in	N/A	Are further	N/A
predicting impacts?		studies	
		required on	
		impacts or	
How resilient is the environment to	N/A	mitigation? What is the	Low
cope with impacts?	N/A	level of	LOW
cope with impacts?		public	
		concern?	
Can the impacts be reversed?	N/A	Ranking of	
oan the impacts be reversed:	N/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	Cumulative Impacts: Cumulative environmer	ntal effects with o	ther existing or likely future activities.
Potential impacts	Only short term and temporary impacts.		<u> </u>
i otomiai impaoto	Only short term and temperary impacts.		
	No significant additional impacts on the envi	ronment from pa	st. current and relevant future projects.
	LANDUSE		on, can one and reference projecte.
	All planned drill pads are in areas currently u	sed for pastoral	/ cropping purposes. These areas have
	been extensively disturbed by farming activit		11 01 1
	All activities will be communicated with the la	andholder to dete	rmine any impact on planned
	agricultural activities. There will be no perma		
	All temporary changes will be rehabilitated as soon as practical to allow normal land use to resume.		
Proposed management controls	Short term impacts predominantly limited to		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		
		e arter completio	in or activity (including sealing or any
Duration	boreholes). Short term		
Duration Application ranking	SHOIL WITH		
What is the confidence in	High	Aro further	No
what is the confidence in predicting impacts?	High	Are further studies	No
predicting impacts?		required on	
		impacts or	
		mitigation?	
		minganon?	

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 ranking	
Do the operations comply with standards, plans, policies?	Yes		

<sup>©</sup> 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.

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