

Monday 15 April 2024

Assessable Prospecting Operation Application Decision Briefing and Review of Environmental Factors document Kanbarra | APO0001732

Decision Maker	Monique Meyer
Prepared by	Syed Hashmi
Title	EL 9220 (1992)
Authorised Representative	
Project name	Kanbarra
Activity type	Complying Exploration Activity

Issue

has sought an activity approval in respect of Kanbarra, within EL 9220 (1992), at 50km SE of Broken

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

This exploration activity approval is being sought under EL 9220 (granted 21/07/2021 & expiry 21/07/2026) to undertake assessable prospecting operations (CEA).

The current security deposit held for EL 9220 is \$10,000.

No previous activity approval(s) on EL 9220 (1992).

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 Kanbarra 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

The applicant has indicated that the rehabilitation liability for the Kanbarra and any outstanding rehabilitation liabilities will not exceed \$30,000. An assessment of the security deposit required to secure funding for the fulfilment of obligations in relation to Kanbarra (if approved) is not necessary. This assessment under s.261BC of the Mining Act 1992 has determined that no change to the security deposit is required.

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.

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Summary

Based on the information provided in the *APPLICATION TO UNDERTAKE ASSESSABLE PROSPECTING*OPERATIONS Kanbarra 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, Syed Hashmi, 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 Kanbarra 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 (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Activities must comply with cumulative AQ criteria. b. Emissions from the activities should not result in cumulative PM10 levels exceeding 50ug/m3 (24hr) or 30 ug/m3 (annual average) at any occupied residence. c. Emissions from the activities should not result in cumulative PM2.5 emissions exceeding 25 ug/m3 (24hr) or 8 ug/m3 (annual average) at any occupied residence. d. Vehicle speeds limited to minimise dust. e. Roads watered during high traffic periods. f. Surface disturbance managed in accordance with Blue Book. Impacts of any drilling limited to immediate vicinity of drilling due to controls set out in title conditions (Exploration Code of Practice: Environmental Management). Impacts negligible due to nature of drilling activities. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any boreholes).			
Duration	Short term			
Application ranking				
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No	
How resilient is the environment to cope with impacts?	N/A	What is the 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 associated with vehicles, plant and machinery during		
·	construction, operations and rehabilitation. Fugitive emissions of gases or vapour from o	Fugitive meth	ane emissions from intercepted seams.
Proposed management controls	Activities must comply with CEA Location Re exploration activities cannot be a CEA. Cinconsequential in context of global emission depleting substances in NSW also limits ozo in accordance with title conditions (Exploration occur as soon as practicable after completion).	CO2 emissions from the sand impact. The depletion code of Pract	om activities are extremely limited and Restrictions on use of ozone All disturbed areas to be rehabilitated ice: Rehabilitation). Rehabilitation to
Duration	Medium term atmospheric residence.		
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?	
Can the impacts be reversed?	Yes	Ranking of potential significance	Low
Can the impacts be mitigated?	Partly	Justification for	ranking
Do the operations comply with standards, plans, policies?	Yes	Gustinoution	or running
Criteria Criteria	Air Impacts: Additional impacts on areas with	ı n degraded air gu	uality.
Potential impacts	Potential for temperature inversions in winter possible from exposed soils. Particulate generation from operating machinery, vehicle	r to trap dust and emissions from v es travelling over	air particulates. Wind erosion rehicles and machinery. Dust tracks, etc.
Proposed management controls	Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Activities must comply with cumulative AQ criteria. b. Emissions from the activities should not result in cumulative PM10 levels exceeding 50ug/m3 (24hr) or 30 ug/m3 (annual average) at any occupied residence. c. Emissions from the activities should not result in cumulative PM2.5 emissions exceeding 25 ug/m3 (24hr) or 8 ug/m3 (annual average) at any occupied residence. d. Vehicle speeds limited to minimise dust. e. Roads watered during high traffic periods. f. Surface disturbance managed in accordance with Blue Book. Impacts of any drilling limited to immediate vicinity of drilling due to controls set out in Exploration Code of Practice: Environmental Management (impacts negligible due to nature of drilling activities). All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any boreholes).		
Duration	Short term		
Application ranking			
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No
How resilient is the environment to cope with impacts?	High Resilience	What is the 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	Water Impacts: Impacts from the use of surfa	ace or groundwa	ter.

Potential impacts	Water used for exploration not available for ecological, stock, domestic or irrigation purposes. Surface runoff can be sediment laden. Generally minimal surface water use (must be licensed or use of farm dams through landholder agreements). No use of groundwater but potential loss through produced water in drilling / deep excavation operations. Interception, cross contamination and/or depressurisation of groundwater systems in drilling operations. Groundwater depressurisation effects on surface water. Mobilisation of pollutants (such as hydrocarbons) in surface water or aquifers.			
Proposed management controls	surface water or aquifers. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with Exploration Code of Practice: Environmental Management as per the commitment in the application (APO). Relevant requirements of this Code include: a. Activities must implement all measures to prevent causing any adverse impacts on water quality or quantity. b. Activities must not cause adverse impacts to livestock (including any adverse impacts on surface water supplies used by livestock). Water used for access track watering must be obtained from licensed source or farm dams (with consent of owner). Boreholes to be constructed, operated and decommissioned in accordance with authority/title conditions, Departmental Guidelines and Codes of Practice to protect groundwater/aquifers.			
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 cope with impacts?	High Resilience	What is the level of public concern?		
Can the impacts be reversed?	Yes	Ranking of potential significance	Low	
Can the impacts be mitigated?	Fully	Justification f	or ranking	
Do the operations comply with standards, plans, policies?	Yes			
Criteria	Water Impacts: Impacts from storage of water	er		
Proposed management controls	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.			
	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			
Duration	water). 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		
cope with impacts?		level of public concern?		
Can the impacts be reversed?	Yes	Ranking of potential significance	Low	
Con the immede he mitimeted?				
can the impacts be mitigated?	Fully Justification for ranking Yes			
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria	,		_	

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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.			
Proposed management controls	Activities must comply with CEA Location Re	estrictions, Impac	t 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 wa			
	the Exploration Code of Practice: Produced	Water Managem	ent, Storage and Transfer applies to	
	i. petroleum exploration which requires the n			
	require produced water to be stored on site			
Duration	mixed with drilling fluids that can be temporal	arily contained in	drilling sumps or above ground tanks).	
Application ranking	Short term			
What is the confidence in	High	Are further	No	
predicting impacts?	9	studies		
		required on		
		impacts or		
		mitigation?		
How resilient is the environment to	High Resilience	What is the		
cope with impacts?		level of		
		public concern?		
Can the impacts be reversed?	Yes	Ranking of	Low	
oun the impuets se reversed.	165	potential	2000	
		significance		
Can the impacts be mitigated?	Fully	Justification for	or ranking	
Do the operations comply with	Yes			
standards, plans, policies?	Make less the less than the first of the fir		h	
Criteria	Water Impacts: Impacts from aquifer interfer	<u>~_</u>		
	No use of groundwater but potential loss through produced water in drilling / deep excavation			
Potential impacts				
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Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to	operations. Interception, cross contamin drilling operations. Groundwater depressuris pollutants (such as hydrocarbons) in surface Activities must comply with CEA Location Remust comply with (Exploration Code of Praccommitment in the application (APO). Relevants implement all measures to prevent caub. Activities must minimise cross connection minimise any depressurisation of aquifers or holders must prepare and implement and Groundwater with authority/title conditions, Degroundwater/aquifers. Short term	ation and/or depresation effects on sewater or aquifersestrictions, Impactice: Environment and requirements and adverse of aquifers or groundwater sor oundwater Monit be constructed, cepartmental Guides required on impacts or mitigation? What is the level of public concern? Ranking of	ressurisation of groundwater systems in surface water. Mobilisation of s. et Thresholds and Criteria. Activities tal Management) as per the s of this Code include: a. Activities e impacts on water quality or quantity. Doundwater sources. c. Activities must burces. d. Coal and petroleum title oring & Modelling Plan in consultation operated and decommissioned in elines and Codes of Practice to protect	
Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	operations. Interception, cross contamin drilling operations. Groundwater depressuris pollutants (such as hydrocarbons) in surface Activities must comply with CEA Location Remust comply with (Exploration Code of Prac commitment in the application (APO). Relevants implement all measures to prevent caub. Activities must minimise cross connection minimise any depressurisation of aquifers or holders must prepare and implement and Groundwater with authority/title conditions, Degroundwater/aquifers. Short term High High Resilience	ation and/or depretation effects on sewater or aquiferestrictions, Impactice: Environment and requirements and adverse of aquifers or groundwater son coundwater Monit be constructed, cepartmental Guides Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	ressurisation of groundwater systems in surface water. Mobilisation of s. the thresholds and Criteria. Activities tal Management) as per the softhis Code include: a. Activities of this Code include: a. Activities of this Code include: a. Activities water quality or quantity. Doundwater sources. c. Activities must surces. d. Coal and petroleum title foring & Modelling Plan in consultation operated and decommissioned in the elines and Codes of Practice to protect.	
Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed?	operations. Interception, cross contamin drilling operations. Groundwater depressuris pollutants (such as hydrocarbons) in surface Activities must comply with CEA Location Remust comply with (Exploration Code of Prac commitment in the application (APO). Relevants implement all measures to prevent caub. Activities must minimise cross connection minimise any depressurisation of aquifers or holders must prepare and implement and Grouth NSW Office of Water. Boreholes to accordance with authority/title conditions, Degroundwater/aquifers. Short term High High Resilience	ation and/or depretation effects on sewater or aquiferestrictions, Impactice: Environment and requirements and adverse of aquifers or groundwater son coundwater Monit be constructed, cepartmental Guides Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	ressurisation of groundwater systems in surface water. Mobilisation of sect Thresholds and Criteria. Activities that Management) as per the softhis Code include: a. Activities a impacts on water quality or quantity. Doundwater sources. c. Activities must curce. d. Coal and petroleum title oring & Modelling Plan in consultation operated and decommissioned in elines and Codes of Practice to protect.	
Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	operations. Interception, cross contamin drilling operations. Groundwater depressuris pollutants (such as hydrocarbons) in surface Activities must comply with CEA Location Remust comply with (Exploration Code of Prac commitment in the application (APO). Relevants implement all measures to prevent caub. Activities must minimise cross connection minimise any depressurisation of aquifers or holders must prepare and implement and Groundwater with authority/title conditions, Degroundwater/aquifers. Short term High High Resilience	ation and/or depretation effects on sewater or aquiferestrictions, Impactice: Environment and requirements and adverse of aquifers or groundwater son coundwater Monit be constructed, cepartmental Guides Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	ressurisation of groundwater systems in surface water. Mobilisation of s. Mobilisation of s. Activities and Criteria. Activities and Management) as per the softhis Code include: a. Activities and process on water quality or quantity. Doundwater sources. c. Activities must burces. d. Coal and petroleum title oring & Modelling Plan in consultation apperated and decommissioned in elines and Codes of Practice to protect.	
Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the operations comply with standards, plans, policies?	operations. Interception, cross contamin drilling operations. Groundwater depressuris pollutants (such as hydrocarbons) in surface Activities must comply with CEA Location Remust comply with (Exploration Code of Prac commitment in the application (APO). Relevents implement all measures to prevent caub. Activities must minimise cross connection minimise any depressurisation of aquifers or holders must prepare and implement and Groundwater with authority/title conditions, Degroundwater/aquifers. Short term High High Resilience Yes Fully Yes	ation and/or depretation effects on sewater or aquifersestrictions, Impactice: Environment yant requirements sing any adverse of aquifers or gregoundwater soundwater Monit be constructed, cepartmental Guides required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for	ressurisation of groundwater systems in surface water. Mobilisation of sector of the surface water. Mobilisation of sector of the surface water. Mobilisation of sector of the surface water of the surface of this Code include: a. Activities of impacts on water quality or quantity. Soundwater sources. c. Activities must surces. d. Coal and petroleum title foring & Modelling Plan in consultation operated and decommissioned in selines and Codes of Practice to protect. No Low 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	operations. Interception, cross contamin drilling operations. Groundwater depressuris pollutants (such as hydrocarbons) in surface Activities must comply with CEA Location Remust comply with (Exploration Code of Praccommitment in the application (APO). Relevants implement all measures to prevent caub. Activities must minimise cross connection minimise any depressurisation of aquifers or holders must prepare and implement and Groundwater with authority/title conditions, Degroundwater/aquifers. Short term High High Resilience Yes Fully Yes Water Impacts: Impacts from changes to floor	ation and/or depretation effects on sewater or aquifersestrictions, Impactice: Environment yant requirements using any adverse of aquifers or groundwater Monit be constructed, cepartmental Guides Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for	ressurisation of groundwater systems in surface water. Mobilisation of starface water. Activities and Management) as per the starface include: a. Activities are impacts on water quality or quantity. Doundwater sources. c. Activities must surces. d. Coal and petroleum title foring & Modelling Plan in consultation operated and decommissioned in the elines and Codes of Practice to protect. No Low Dor ranking mes.	
Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the operations comply with standards, plans, policies?	operations. Interception, cross contamin drilling operations. Groundwater depressuris pollutants (such as hydrocarbons) in surface Activities must comply with CEA Location Remust comply with (Exploration Code of Prac commitment in the application (APO). Relevents implement all measures to prevent caub. Activities must minimise cross connection minimise any depressurisation of aquifers or holders must prepare and implement and Groundwater with authority/title conditions, Degroundwater/aquifers. Short term High High Resilience Yes Fully Yes	ation and/or depretation effects on sewater or aquifersestrictions, Impactice: Environment yant requirements using any adverse of aquifers or groundwater Monit be constructed, cepartmental Guides Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for	ressurisation of groundwater systems in surface water. Mobilisation of starface water. Activities and Management) as per the starface include: a. Activities are impacts on water quality or quantity. Doundwater sources. c. Activities must surces. d. Coal and petroleum title foring & Modelling Plan in consultation operated and decommissioned in the elines and Codes of Practice to protect. No Low Dor ranking mes.	

Proposed management controls Duration	Activities must comply with CEA Location Remust comply with (Exploration Code of Pract commitment in the application (APO). Relevented in the application accordance with Blue Book. c. Existing accordance with Blue Book. c	tice: Environmen vant requirement using any adverse ng drainage from cess tracks to be atter must comply Water Managem nanagement of p (excluding the mater vant vant vant vant vant vant vant vant	tal Management) as per the s of this Code include: a. Activities e impacts on water quality or quantity. roads/access tracks) to be managed in used/upgraded wherever possible. with the title conditions. In addition, ent, Storage and Transfer applies to roduced water, or ii. activities which anagement of incidental groundwater
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?	
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	Water Impacts: Impacts from changes in sur	 face or groundw:	ater quality and quantity
Potential impacts	Water used for exploration temporarily not a		
Proposed management controls	removed. Generally minimal surface water use (must be licensed or use of farm dams through landholder agreements). No use of groundwater but potential loss through produced water in drilling / deep excavation operations. Interception, cross contamination and/or depressurisation of groundwater systems in drilling operations. Groundwater depressurisation effects on surface water. Mobilisation of pollutants (such as hydrocarbons) in surface water or aquifers. Ford across creeks can cause stream bank erosion from vehicle wash. Inappropriate disposal of drilling wastes / overflow from drilling sumps. 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?	
Can the impacts be reversed?	Yes	Ranking of potential significance	Low
Can the impacts be mitigated?	Fully	Justification f	or ranking
Do the operations comply with	Yes		
standards, plans, policies? Criteria	Soil & Stability Impacts: 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/operations. Impacts on land with high agricultural capability.		

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 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?		
Can the impacts be reversed?	Yes	Ranking of potential significance	Low	
Can the impacts be mitigated?	Fully	Justification f	or ranking	
Do the operations comply with standards, plans, policies?	Yes			
Criteria	Soil & Stability Impacts: Impacts on land with	ı n high agricultura	I canability	
Potential impacts	, , ,			
Proposed management controls	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 hydrocarbons) in soils, air or waters. Inappropriate disposal of drilling wastes / overflow from drilling sumps. 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, air quality and visual impacts. 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. Disruption to agricultural / livestock operations. 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			
Duration	potential impacts on the environment (including livestock protection, control of weeds, pest animals, diseases, etc - and use of above-ground sumps required on BSAL. Impacts limited to activity site and subject to compensation and landholder access arrangements. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any boreholes). Short term			
Application ranking	Short tollii			
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?		
Can the impacts be reversed?	Yes	Ranking of potential significance	Low	
Can the impacts be mitigated?	Fully	Justification f	or ranking	
Do the operations comply with	Yes			
standards, plans, policies? Criteria	Soil & Stability Impacts: Loss of soil from wir	d or water erosic	on	
Potential impacts	Increased risk of erosion where vegetation h			
•	areas.			

Proposed management controls Duration	Activities must comply with CEA Location Remust comply with (Exploration Code of Pract commitment in the application (APO). Relev vegetation clearing and surface disturbance. pollution/contamination of land or water. from roads/access tracks) to be managed in to be used/upgraded wherever possible. with title conditions (Exploration Code of Pra practicable after completion of activity (include Short term	ice: Environment ant requirement b. Prevent cau c. All sediment a accordance with All disturbed are ctice: Rehabilitat	tal Management) as per the softhis Code include: a. Minimising using any land degradation or and erosion controls (including drainage a Blue Book. d. Existing access tracks eas to be rehabilitated in accordance tion). Rehabilitation to occur as soon as
Application ranking			
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?	
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: Loss of structural int	egrity of the soil	
Potential impacts	Soil compaction from access traffic, use of p areas / areas where vegetation has been rer hydrocarbons) in soils.		ery. Soil erosion from disturbed lisation of pollutants (such as
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	mboro ana onore	torni natare or exploration.
Application ranking	Onort torm		
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?	
Can the impacts be reversed? Can the impacts be mitigated?	Yes Fully	Ranking of potential significance Justification f	Low
Do the operations comply with	Yes	Justinication	or ranking
standards, plans, policies?		hilita contta del color de	oko frama land alidaa ar autaida
Criteria	Soil & Stability Impacts: Increased land insta		
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.		
Proposed management controls	Activities must comply with CEA Location Remust comply with (Exploration Code of Pract commitment in the application (APO). Relev vegetation clearing and surface disturbance. pollution/contamination of land or water. from roads/access tracks) to be managed in manage instability risks). d. Existing access Controls on sumps and management of cher disturbed areas to be rehabilitated in accordance Rehabilitation). Rehabilitation to occur as so sealing of any boreholes).	tice: Environment ant requirement b. Prevent cau c. All sediment a accordance with s tracks to be us micals to significance with title co	tal Management) as per the s of this Code include: a. Minimising using any land degradation or and erosion controls (including drainage a Blue Book (includes controls to ed/upgraded wherever possible. e. antly reduce risk to soils. All nditions (Exploration Code of Practice:

Duration	Short term		
Application ranking	LE L		
What is the confidence in	High	Are further	No
predicting impacts?		studies	
		required on	
		impacts or	
How we disput in the anning property	High Decilions	mitigation?	
How resilient is the environment to	High Resilience	What is the	
cope with impacts?		level of public	
		concern?	
Can the impacts be reversed?	Yes	Ranking of	Low
oun the impacts be reversed:	163	potential	Low
		significance	
Can the impacts be mitigated?	Fully	Justification f	or ranking
Do the operations comply with	Yes		· · · · · · · · · · · · · · · · · · ·
standards, plans, policies?			
Criteria	Noise & Vibration Impacts: Results in increa	sed noise or vibra	ation.
Potential impacts	Noise from vehicles, plant and machinery re	sults in unaccept	able impacts on nearby sensitive
	receivers, such as residences, educational e		
	animal boarding/training establishments, into	ensive livestock a	griculture, etc. Percussion drilling
	can have localised vibration impacts. Dr	illing unlikely to	cause vibration impacts . Shots
	have vibration and overpressure impacts wh		
	machinery has vibration impacts which may	impact vibration	sensitive sites.
Proposed management controls	Activities must comply with CEA Location Re		
	must comply with (Exploration Code of Pract		
	commitment in the application (APO). Relev		
	Implementing all practicable measures to en		
	receivers. b. Notifying potentially affected I		
	c. Compliance with Interim Construction Nois		
	agreements. d. Ground vibration threshold		
	residence/sensitive receiver. e. Ground vib		
	Aboriginal / European heritage significance		
	machinery not to be used within 200m of ser heritage significance or any cliff line greater		
	vicinity of exploration activity.	ulali 4ili ili lielgii	i. Impacts illilited to illililediate
Duration	Short term		
Application ranking	GHOILIGHH		
What is the confidence in	High	Are further	No
predicting impacts?	,g	studies	110
h.carcardhacer		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	High Resilience	What is the	
cope with impacts?		level of	
		public	
		concern?	
Can the impacts be reversed?	Yes	Ranking of	Low
		potential	
		significance	
Can the impacts be mitigated?	Fully	Justification f	or ranking
Do the operations comply with	Yes		
standards, plans, policies?	Naine O Vilenation Investor Aff	 	
Criteria	Noise & Vibration Impacts: Affects sensitive	<u> </u>	
Potential impacts	Noise from vehicles, plant and machinery re		
	receivers, such as residences, educational e	,	* 1
	animal boarding/training establishments, into		
			cause vibration impacts . Shots
	have vibration and overpressure impacts wh		
	machinery has vibration impacts which may		
Proposed management controls	Activities must comply with CEA Location Re		
	must comply with (Exploration Code of Pract		
	commitment in the application (APO). Relev		
	Implementing all practicable measures to en		
	receivers. b. Notifying potentially affected I		
	c. Compliance with Interim Construction Nois		
	agreements. d. Ground vibration threshold		
	residence/sensitive receiver. e. Ground vib		
	Aboriginal / European heritage significance or cliff line greater than 4m in height. f. Vibrating		
		acitivo roccioner-	
	machinery not to be used within 200m of ser		
	machinery not to be used within 200m of ser heritage significance or any cliff line greater		
Duration	machinery not to be used within 200m of ser heritage significance or any cliff line greater vicinity of exploration activity.		
Duration Application ranking	machinery not to be used within 200m of ser heritage significance or any cliff line greater		
Duration Application ranking	machinery not to be used within 200m of ser heritage significance or any cliff line greater vicinity of exploration activity.		

What is the confidence in predicting impacts?	High	Are further studies required on	No
		impacts or mitigation?	
How resilient is the environment to cope with impacts?	High Resilience	What is the level of	
		public 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	- Cuotinoution :	or running
Criteria	Coastal Location & Processes: Affects coast under projected climate change conditions.	al processes and	d coastal hazards, including those
Potential impacts	Activities along the coastline / floodways have levels and increased storm activity under proincreased erosion along the coastline / flood	ojected climate cl	
Proposed management controls	Activities must comply with CEA Location Re		ct Thresholds and Criteria. Activities
	must comply with (Exploration Code of Practice commitment in the application (APO). Relev	tice: Environmen ant requirement	tal Management) as per the s of this Code include: a. Activities
	must implement all measures to prevent cau b. All sediment and erosion controls (includir accordance with Blue Book. CO2 emissi	ng drainage from	
	inconsequential in context of global emission depleting substances in NSW also limits ozo	ne depletion.	Restrictions on use of ozone All disturbed areas to be rehabilitated
	in accordance with title conditions (Exploration		
Duration	occur as soon as practicable after completio	n of activity (incli	uding sealing of any boreholes).
Duration Application ranking	Short term		
What is the confidence in	High	Are further	No
predicting impacts?	Tilgii	studies	140
promoung improve		required on	
		impacts or	
		mitigation?	
How resilient is the environment to cope with impacts?	High Resilience	What is the level of	
cope with impacts?		public	
		concern?	
Can the impacts be reversed?	Yes	Ranking of	Low
		potential	
0 41 1	F. II.	significance	
Can the impacts be mitigated?	Fully Yes	Justification f	or ranking
Do the operations comply with standards, plans, policies?			le the comment of the comment
Criteria	Hazardous substances or chemicals: Impact transport of hazardous substances or chemi		in the use, generation, storage or
Potential impacts	Mobilisation of pollutants (such as hydrocark		
	drilling wastes / overflow from drilling sumps		ticides, herbicides, fertilisers or other
Duanas d management controls	chemicals have the potential to build up resident		, <u> </u>
Proposed management controls	Activities must comply with CEA Location Remust comply with (Exploration Code of Practical Code)		
	commitment in the application (APO). Relev		
	contamination of the environment by the rele		
	Preventing any land degradation or pollution		
	sumps and management of chemicals to sig		
	pesticides, herbicides, fertilisers or other che		
	Wastes+A34 (including any drilling by-produlawfully. All management and storage of		must comply with the title conditions.
	In addition, the Exploration Code of Practice		
	applies to i. petroleum exploration which re		
	activities which require produced water to be		
	groundwater mixed with drilling fluids that ca		ŭ i
	(Exploration Code of Practice: Rehabilitation		ccordance with title conditions to occur as soon as practicable after
Duration	completion of activity. Short term		
Duration Application ranking	SHOIL LETHI		
Application ranking			

What is the confidence in predicting impacts? High Resilience High Resilience What is the environment to cope with impacts? Can the impacts be reversed? Yes Ranking of potential significance Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Mastes & Emissions: impacts to the environment resulting from the generation or disposal of drilling wastes / overflow from drilling sumps. Potential impacts Proposed management controls Proposed management controls Activities must comply with (Exploration Code of Practices. Environmental policinals. Activities must comply with (Exploration (APO). Release the requirements of its Code include: a. Preventing contamination of the environment by the release of chemicals in business and the environment requirements of his Code include: a. Preventing contamination of the environment by the release of chemicals in solid and the commitment in the application (APO). Release the requirements of the commitment of the environment by the release of chemicals in solid and the commitment of the environment by the release of chemicals in solid and the commitment of the environment by the release of chemicals in solid and the commitment of the environment by the release of chemicals in solid and the commitment of the environment by the release of chemicals in solid and the commitment of the environment by the release of chemicals in solid and the commitment of the environment by the release of chemicals in solid and the commitment of the environment by the release of chemicals in solid and the commitment of the environment by the release of chemicals in solid and the commitment of the environment by the release of chemicals in solid and the commitment of the environment by the release of chemicals in solid and the commitment of the environment by the				
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Federal Content Federal Co	predicting impacts?		studies	
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Generally minimal surface water use (must be licensed or use of farm dams through landholder agreements). No use of groundwater but potential loss through produced water in drilling / deep excavation operations. Interception, cross contamination and/or depressurisation of groundwater systems in drilling operations. Groundwater depressurisation effects on surface water. Mobilisation of pollutants (such as hydrocarbons) in surface water or aquifers. Ford across creeks can cause stream bank erosion from vehicle wash. Inappropriate disposal of drilling	Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria	Yes Fully Yes Wastes & Emissions: Impacts on drinking wariparian zones or flood prone areas. Negligible and only localised changes to dra	mitigation? What is the level of public concern? Ranking of potential significance Justification for atter catchments,	or ranking wetlands, natural water bodies, ing regime. Water used for
Generally minimal surface water use (must be licensed or use of farm dams through landholder agreements). No use of groundwater but potential loss through produced water in drilling / deep excavation operations. Interception, cross contamination and/or depressurisation of groundwater systems in drilling operations. Groundwater depressurisation effects on surface water. Mobilisation of pollutants (such as hydrocarbons) in surface water or aquifers. Ford across creeks can cause stream bank erosion from vehicle wash. Inappropriate disposal of drilling	Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria	Yes Fully Yes Wastes & Emissions: Impacts on drinking wariparian zones or flood prone areas. Negligible and only localised changes to draexploration temporarily not available for ecol	mitigation? What is the level of public concern? Ranking of potential significance Justification for atter catchments, inage flows/flood ogical, stock, doi	wetlands, natural water bodies, ing regime. Water used for mestic or irrigation purposes.
agreements). No use of groundwater but potential loss through produced water in drilling / deep excavation operations. Interception, cross contamination and/or depressurisation of groundwater systems in drilling operations. Groundwater depressurisation effects on surface water. Mobilisation of pollutants (such as hydrocarbons) in surface water or aquifers. Ford across creeks can cause stream bank erosion from vehicle wash. Inappropriate disposal of drilling	Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria	Yes Fully Yes Wastes & Emissions: Impacts on drinking wariparian zones or flood prone areas. Negligible and only localised changes to draexploration temporarily not available for ecol	mitigation? What is the level of public concern? Ranking of potential significance Justification for atter catchments, inage flows/flood ogical, stock, doi	wetlands, natural water bodies, ing regime. Water used for mestic or irrigation purposes.
excavation operations. Interception, cross contamination and/or depressurisation of groundwater systems in drilling operations. Groundwater depressurisation effects on surface water. Mobilisation of pollutants (such as hydrocarbons) in surface water or aquifers. Ford across creeks can cause stream bank erosion from vehicle wash. Inappropriate disposal of drilling	Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria	Yes Fully Yes Wastes & Emissions: Impacts on drinking wariparian zones or flood prone areas. Negligible and only localised changes to draexploration temporarily not available for ecol Surface runoff can be sediment laden from a	mitigation? What is the level of public concern? Ranking of potential significance Justification for the public concern?	wetlands, natural water bodies, ing regime. Water used for mestic or irrigation purposes. station has been removed.
groundwater systems in drilling operations. Groundwater depressurisation effects on surface water. Mobilisation of pollutants (such as hydrocarbons) in surface water or aquifers. Ford across creeks can cause stream bank erosion from vehicle wash. Inappropriate disposal of drilling	Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria	Fully Yes Wastes & Emissions: Impacts on drinking wariparian zones or flood prone areas. Negligible and only localised changes to dra exploration temporarily not available for ecol Surface runoff can be sediment laden from a Generally minimal surface water use (must be	mitigation? What is the level of public concern? Ranking of potential significance Justification for atter catchments, inage flows/flood ogical, stock, do areas where vege to licensed or use	wetlands, natural water bodies, ing regime. Water used for mestic or irrigation purposes. tation has been removed. e of farm dams through landholder
Mobilisation of pollutants (such as hydrocarbons) in surface water or aquifers. Ford across creeks can cause stream bank erosion from vehicle wash. Inappropriate disposal of drilling	Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria	Fully Yes Wastes & Emissions: Impacts on drinking wariparian zones or flood prone areas. Negligible and only localised changes to dra exploration temporarily not available for ecol Surface runoff can be sediment laden from a Generally minimal surface water use (must be agreements). No use of groundwater but	mitigation? What is the level of public concern? Ranking of potential significance Justification for atter catchments, inage flows/flood ogical, stock, do areas where vege to elicensed or use to potential loss the	wetlands, natural water bodies, ing regime. Water used for mestic or irrigation purposes. teation has been removed. e of farm dams through landholder rough produced water in drilling / deep
creeks can cause stream bank erosion from vehicle wash. Inappropriate disposal of drilling	Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria	Fully Yes Wastes & Emissions: Impacts on drinking wariparian zones or flood prone areas. Negligible and only localised changes to dra exploration temporarily not available for ecol Surface runoff can be sediment laden from a Generally minimal surface water use (must be agreements). No use of groundwater but excavation operations. Interception, cross	mitigation? What is the level of public concern? Ranking of potential significance Justification for atter catchments, inage flows/flood ogical, stock, dor areas where vege to elicensed or use to potential loss the contamination.	wetlands, natural water bodies, ing regime. Water used for mestic or irrigation purposes. station has been removed. e of farm dams through landholder rough produced water in drilling / deep and/or depressurisation of
	Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria	Fully Yes Wastes & Emissions: Impacts on drinking wariparian zones or flood prone areas. Negligible and only localised changes to draexploration temporarily not available for ecol Surface runoff can be sediment laden from a Generally minimal surface water use (must bagreements). No use of groundwater but excavation operations. Interception, crosgroundwater systems in drilling operations.	mitigation? What is the level of public concern? Ranking of potential significance Justification for atter catchments, inage flows/flood ogical, stock, dor areas where vege be licensed or use to potential loss the is contamination.	wetlands, natural water bodies, ing regime. Water used for mestic or irrigation purposes. Itation has been removed. Ite of farm dams through landholder rough produced water in drilling / deep and/or depressurisation of ressurisation effects on surface water.
wastes / overflow from drilling sumps	Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria	Fully Yes Wastes & Emissions: Impacts on drinking wariparian zones or flood prone areas. Negligible and only localised changes to dra exploration temporarily not available for ecol Surface runoff can be sediment laden from a Generally minimal surface water use (must be agreements). No use of groundwater but excavation operations. Interception, cros groundwater systems in drilling operations. Mobilisation of pollutants (such as hydrocarb	mitigation? What is the level of public concern? Ranking of potential significance Justification for a public concern? Ranking of potential significance of the concern of	wetlands, natural water bodies, ing regime. Water used for mestic or irrigation purposes. station has been removed. e of farm dams through landholder rough produced water in drilling / deep and/or depressurisation of ressurisation effects on surface water. water or aquifers. Ford across
wastes / overnow from drining sumps.	Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria	Yes Fully Yes Wastes & Emissions: Impacts on drinking wariparian zones or flood prone areas. Negligible and only localised changes to draexploration temporarily not available for ecol Surface runoff can be sediment laden from a Generally minimal surface water use (must bagreements). No use of groundwater but excavation operations. Interception, cross groundwater systems in drilling operations. (Mobilisation of pollutants (such as hydrocarb creeks can cause stream bank erosion from	mitigation? What is the level of public concern? Ranking of potential significance Justification for a public concern? Ranking of potential significance of the concern of	wetlands, natural water bodies, ing regime. Water used for mestic or irrigation purposes. station has been removed. e of farm dams through landholder rough produced water in drilling / deep and/or depressurisation of ressurisation effects on surface water. water or aquifers. Ford across

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.			
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		
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	ı or ranking	
Do the operations comply with	Yes	oustilleation i	or ranking	
standards, plans, policies?	100			
Criteria	Wastes & Emissions: Impacts on groundwat	er recharge area	s or areas with high water table.	
Potential impacts	Minimal impact on recharge and salinity.	No use of groun	dwater but potential loss through	
Proposed management controls	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. 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 aquifers intercepted (minimal impact on recharge and salinity).			
Duration	Short term			
Application ranking			L	
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No	
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?		
Can the impacts be reversed?	Yes	Ranking of potential significance	Low	
Can the impacts be mitigated?	Fully	Justification f	or ranking	
Do the operations comply with standards, plans, policies?	Yes			
Criteria	Wastes and Emissions: Impacts on coastline landforms.	es or dunes, alpir	ne areas, karst features or other unique	

B	I N. e a	1 16			
Potential impacts		ise, air quality an	Mobilisation of pollutants in soils, d visual impacts. Particulate		
	emissions from plant and machinery; fugitive		ises or vapour from drilling operations len runoff from disturbed areas, that		
	and the operation of flares. Soil erosion could lead to soil or water contamination or l				
	Spread of weeds, pest animals and animal/plant diseases. Damage to structures at features, such as unique landforms. Activities along the coastline / floodways have to exacerbate coastal erosion (rising sea levels and increased storm activity under projections).				
	change conditions could result in increased				
Proposed management controls	Impact limited to activity site and subject to compensation and landholder access arrangements.				
	Activities must comply with CEA Location Re				
	must comply with (Exploration Code of Prac				
			s to be rehabilitated in accordance with		
	title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon practicable after completion of activity (including sealing of any boreholes).				
Dometica		ding sealing of ar	ny porenoles).		
Duration Application ranking	Short term				
What is the confidence in	High	Are further	No		
predicting impacts?	riigii	studies	INO		
predicting impacts:		required on			
		impacts or			
		mitigation?			
How resilient is the environment to	High Resilience	What is the			
cope with impacts?		level of			
		public			
		concern?			
Can the impacts be reversed?	Yes	Ranking of	Low		
		potential			
0 41 1	E. II.	significance			
Can the impacts be mitigated? Do the operations comply with	Fully Yes	Justification f	ог гапкіпд		
standards, plans, policies?	res				
Criteria	Wastes & Emissions: Impacts on erosion pro	i one areas, areas	with slopes of greater than 18		
	degrees.	J. 1.5 C. 1. 5 C. 5, C. 1. 5 C. 5	mar dispess of grounds and its		
Potential impacts			en runoff from disturbed areas / areas		
			utants (such as hydrocarbons) in soils.		
Proposed management controls	Riverbed / riparian zone disturbance from us Activities must comply with CEA Location Re				
Proposed management controls	permitted on slopes exceeding 18 degrees.		st comply with (Exploration Code of		
	Practice: Environmental Management) as pe				
	requirements of this Code include: a. Minir				
	Prevent causing any land degradation or pol				
	sediment and erosion controls (including dra	inage from roads	s/access tracks) to be managed in		
	accordance with Blue Book (includes contro		tability risks). d. Existing access		
	tracks to be used/upgraded wherever possib		ped areas to be rehabilitated in		
	accordance with title conditions (Exploration				
- ·	occur as soon as practicable after completio	n of activity (incli	uding sealing of any boreholes).		
Duration Application ranking	Short term				
What is the confidence in	High	Are further	No		
predicting impacts?	Tilgii	studies	140		
prodotting impacts:		required on			
		impacts or			
		mitigation?			
How resilient is the environment to	High Resilience	What is the			
cope with impacts?		level of			
		public			
		concern?			
Can the impacts be reversed?	Yes	Ranking of	Low		
		potential			
	5.0	significance	<u> </u>		
Can the impacts be mitigated?	Fully	Justification f	or ranking		
Do the operations comply with	Yes				
standards, plans, policies? Criteria	Wastes & Emissions: Impacts on subsidence	e or slip areas			
Potential impacts	Soil erosion from disturbed areas / areas wh		as boon romoved may increase risk of		
		iere vedetation na	as been removed may increase risk of		
Potential impacts	slips. Drilling operations unlikely to contr				

Proposed management controls Duration	Activities must comply with CEA Location Remust comply with (Exploration Code of Pract commitment in the application (APO). Relev vegetation clearing and surface disturbance pollution/contamination of land or water. from roads/access tracks) to be managed in manage instability risks). d. Existing access disturbed areas to be rehabilitated in according Rehabilitation). Rehabilitation to occur as so Short term	tice: Environment vant requirements b. Prevent cau c. All sediment a accordance with s tracks to be use ance with title co	tal Management) as per the softhis Code include: a. Minimising using any land degradation or and erosion controls (including drainage Blue Book (includes controls to ed/upgraded wherever possible. All inditions (Exploration Code of Practice:
	Short term		
Application ranking What is the confidence in	1151.	A Ctl	AL.
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?	
Can the impacts be reversed?	Yes	Ranking of potential significance	Low
Can the impacts be mitigated?	Fully	Justification f	or ranking
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Wastes & Emissions: Impacts on areas with	acid sulphate, so	odic or highly permeable soils.
Potential impacts	Vegetation removal unlikely to exacerbate and unlikely to exacerbate acid sulfate or sodicity from disturbed areas / areas where vegetation	cid sulfate or sod / issues. Soi	icity issues. Drilling activities I erosion and sediment laden runoff
Proposed management controls	from roads/access tracks) to be managed in to be used/upgraded wherever possible. e. significantly reduce risk to soils. All distu conditions (Exploration Code of Practice: Re practicable after completion of activity. Ir short term nature of exploration.	tice: Environment ant requirements b. Prevent cauc. All sediment a accordance with Controls on sunrbed areas to be chabilitation). Ref	tal Management) as per the softhis Code include: a. Minimising using any land degradation or and erosion controls (including drainage Blue Book. d. Existing access tracks aps and management of chemicals to rehabilitated in accordance with title
Duration	Short term		
Application ranking			
What is the confidence in predicting impacts?	High	Are further studies required on	No
		impacts or mitigation?	
How resilient is the environment to	High Resilience		
cope with impacts?	, and the second	mitigation? What is the level of public concern?	
cope with impacts? Can the impacts be reversed?	Yes	mitigation? What is the level of public concern? Ranking of potential significance	Low
cope with impacts? Can the impacts be reversed? Can the impacts be mitigated?	Yes	mitigation? What is the level of public concern? Ranking of potential	
Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with	Yes	mitigation? What is the level of public concern? Ranking of potential significance	
cope with impacts? Can the impacts be reversed? Can the impacts be mitigated?	Yes	mitigation? What is the level of public concern? Ranking of potential significance Justification for	or ranking
cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria	Yes Fully Yes Wastes & Emissions: Impacts on areas with	mitigation? What is the level of public concern? Ranking of potential significance Justification f	or ranking ial salinity problems.
cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts	Yes Fully Yes Wastes & Emissions: Impacts on areas with Activities unlikely to exacerbate salinity prob drawdown of water table. Spills of saline exacerbate acid sulfate or sodicity issues. disturbed areas / areas where vegetation ha	mitigation? What is the level of public concern? Ranking of potential significance Justification for salinity or potential significance concerns. Soil erosion is been removed.	ial salinity problems. Introduce vegetation Vegetation removal unlikely to land sediment laden runoff from
Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls	Fully Yes Wastes & Emissions: Impacts on areas with Activities unlikely to exacerbate salinity prob drawdown of water table. Spills of saline exacerbate acid sulfate or sodicity issues. disturbed areas / areas where vegetation ha Activities must comply with CEA Location Re must comply with (Exploration Code of Pract commitment in the application (APO). Relev vegetation clearing and surface disturbance. pollution/contamination of land or water. from roads/access tracks) to be managed in and management of chemicals to significant rehabilitated in accordance with title conditio Rehabilitation to occur as soon as practicabl	mitigation? What is the level of public concern? Ranking of potential significance Justification for salinity or potential significance Justification for salinity or potential second water. Soil erosion is been removed estrictions, Impactice: Environment and requirements and the salinity or caucodance with the producer risk to sons (Exploration Conservation Conservat	ial salinity problems. tation removal may reduce vegetation Vegetation removal unlikely to and sediment laden runoff from at Thresholds and Criteria. Activities tal Management) as per the sof this Code include: a. Minimising using any land degradation or and erosion controls (including drainage Blue Book. d. Controls on sumps soils. All disturbed areas to be code of Practice: Rehabilitation).
cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts	Fully Yes Wastes & Emissions: Impacts on areas with Activities unlikely to exacerbate salinity prob drawdown of water table. Spills of saline exacerbate acid sulfate or sodicity issues. disturbed areas / areas where vegetation ha Activities must comply with CEA Location Re must comply with (Exploration Code of Pract commitment in the application (APO). Relev vegetation clearing and surface disturbance. pollution/contamination of land or water. from roads/access tracks) to be managed in and management of chemicals to significant rehabilitated in accordance with title conditio	mitigation? What is the level of public concern? Ranking of potential significance Justification for salinity or potential significance Justification for salinity or potential second water. Soil erosion is been removed estrictions, Impactice: Environment and requirements and the salinity or caucodance with the producer risk to sons (Exploration Conservation Conservat	ial salinity problems. tation removal may reduce vegetation Vegetation removal unlikely to and sediment laden runoff from It Thresholds and Criteria. Activities tal Management) as per the so of this Code include: a. Minimising using any land degradation or und erosion controls (including drainage Blue Book. d. Controls on sumps soils. All disturbed areas to be code of Practice: Rehabilitation).

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		
cope with impacts?	Thigh resilience	level of		
cope with impacts.		public		
		concern?		
Can the impacts be reversed?	Yes	Ranking of	Low	
can the impacts be reversed:	163	potential	LOW	
		significance		
Can the impacts be mitigated?	Fully	Justification f	or ranking	
Do the operations comply with	Yes	Justilication	or ranking	
	res			
standards, plans, policies?	Master 8 Fraissians Insurante on annual with		As well as a district of the second	
Criteria	Wastes & Emissions: Impacts on areas with			
Potential impacts	Activity unlikely to result in any change to ex			
	Soil erosion and sediment laden runoff from			
	removed. Mobilisation of pollutants (sucl			
	of drilling wastes / overflow from drilling sum		e of acid sulfate soils. Soil	
	compaction from construction / operations.	Vegetation re	moval unlikely to have any impact on	
	contaminated soils.			
Proposed management controls	Activities must comply with CEA Location Re	estrictions, Impac	ct Thresholds and Criteria. Activities	
	must comply with (Exploration Code of Prac	tice: Environmen	tal Management) as per the	
	commitment in the application (APO). Relev	ant requirements	s of this Code include: a. Minimising	
	vegetation clearing and surface disturbance			
			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 significant	lv reduce risk to	soils. All disturbed areas to be	
	rehabilitated in accordance with title condition			
	Rehabilitation to occur as soon as practicable			
	limited due to short term nature of exploration. Activity unlikely to exacerbate any existing contamination.			
Duration	Short term			
Application ranking				
What is the confidence in	High	Are further	No	
predicting impacts?	Tilgii	studies	140	
predicting impacts:		required on		
		impacts or mitigation?		
How resilient is the environment to	High Deciliones			
	High Resilience	What is the		
cope with impacts?		level of		
		public		
		concern?		
Can the impacts be reversed?	Yes	Ranking of	Low	
		potential		
		significance		
Can the impacts be mitigated?	Fully	Justification f	or ranking	
Do the operations comply with	Yes			
standards, plans, policies?				
Criteria	Wastes & Emissions: Impacts on areas with	degraded or con	taminated water (ground or surface).	
Potential impacts	Activities unlikely to have any additional imp			
. otolitiai iliipaoto	water (ground or surface). Boreholes to be o			
	be sediment laden from areas where vegeta			
	contamination and/or depressurisation of gro			
	depressurisation effects on surface water.		ns in drilling operations. Groundwater foollutants (such as hydrocarbons) in	
	surface water or aquifers. Inappropriate sumps. Excavations excluded from acid		ng wastes / overflow from drilling	

Proposed management controls Duration	Book to minimise off-site impacts. Bore in accordance with authority/title conditions, protect groundwater/aquifers. All management the title conditions. In addition, the Explorat Storage and Transfer applies to i. petroleuproduced water, or ii. activities which requimanagement of incidental groundwater mixe	tice: Environment vant requirements using any adverse of aquifers or grading and adverse of aquifers or gradinates of aquifers or gradinates of aquifers of aquifers of a choles to be constant and erosion concludes to be constant and storation Code of Praction Code of Praction Code of Praction white action of a choles	tal Management) as per the s of this Code include: a. Activities e impacts on water quality or quantity. oundwater sources. c. Activities must urces. d. Coal and petroleum title toring & Modelling Plan in consultation portrols to be in accordance with Blue tructed, operated and decommissioned uidelines and Codes of Practice to age of produced water must comply with tice: Produced Water Management, which requires the management of er to be stored on site (excluding the ids that can be temporarily contained in s to be rehabilitated in accordance with Rehabilitation to occur as soon as my boreholes). Activities unlikely to
Application ranking	Chort tollin		
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?	
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	Vegetation: Any clearing or modification of vegetation & habitat for species of		
Potential impacts	Vegetation removal can decrease available		
	remnant vegetation. Areas used for expl fauna habitat. Mobilisation of pollutants potentially impact fauna. Drilling sumps herbicides, fertilisers or other chemicals hav including in soils and water. Short term is sediment laden runoff from disturbed areas,	ctivities can temporation activities, (such as hydroca can be a hazard e the potential tonoise and air quathat could lead to	build up residues in the environment, lity impacts. Soil erosion and
Proposed management controls	Activities must comply with CEA Location Remust comply with (Exploration Code of Praccommitment in the application (APO). Releventent of vegetation clearing and surface disimpacts to fauna caused by vegetation clear Access track widths unlikely to pose significate rehabilitation to occur as soon as practicab	tice: Environmen vant requirements sturbance to as lo ring, including rel ant barrier to faur ons (Exploration (tal Management) as per the softhis Code include: a. Minimise by as practicable. b. Prevent adverse ocation of resident fauna. c. ha. All disturbed areas to be Code of Practice: Rehabilitation).
Duration	Short term		
Application ranking	Litale	Ana formation	l Na
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?	
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	Threatened Fauna Species: Any adverse effect on the life cycle of any threatened species such that a viable local population of the species is likely to be placed at risk of extinction.			
Potential impacts	No impacts. CEA impact thresholds apply. An activity cannot be a CEA if it: 1. occurs on land declared as areas of outstanding biodiversity value / critical habitat, 2. has a significant effect on threatened species or ecological communites, or their habitats.			
Proposed management controls	N/A			
Duration	N/A			
Application ranking				
What is the confidence in predicting impacts?	N/A	Are further studies required on	N/A	
How resilient is the environment to cope with impacts?	N/A	impacts or mitigation? What is the level of	N/A	
		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		<u> </u>	
standards, plans, policies?				
Criteria	Threatened Flora Species: Any adverse effe			
	a viable local population of the species is like			
Potential impacts	declares as areas of outstanding biodiversity	value or critical		
Proposed management centrals	any threatened species or ecological commu	inities, or their na	aditats.	
Proposed management controls Duration	N/A			
Application ranking	N/A			
What is the confidence in	N/A	Are further	N/A	
predicting impacts?	N/A	studies	19/7	
predicting impacts.		required on		
		impacts or mitigation?		
How resilient is the environment to	N/A	What is the	N/A	
cope with impacts?		level of		
		public		
		concern?		
Can the impacts be reversed?	N/A	Ranking of potential		
Con the immedia he witingto 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	Areas of outstanding biodiversity value/Critic outstanding biodiversity value under the Biodiversity va			
	critical habitat under the Fisheries Managem	ent Act 1994.		
Potential impacts	Potential impacts limited due to CEA impact			
	occur on land declared as areas of outstandi			
	not permitted to have a significant impact on			
Dronosad management controls	communities (or their habitats). (Also refer	to iiora and iauh	a impact tables).	
Proposed management controls Duration	N/A			
Application ranking	13/73			
What is the confidence in	N/A	Are further	N/A	
predicting impacts?		studies		
, 3	1	required on		
		. oquilou oii		
		impacts or		
		impacts or mitigation?		
How resilient is the environment to	N/A	impacts or mitigation? What is the	N/A	
How resilient is the environment to cope with impacts?	N/A	impacts or mitigation? What is the level of	N/A	
	N/A	impacts or mitigation? What is the level of public	N/A	
cope with impacts?		impacts or mitigation? What is the level of public concern?	N/A	
	N/A	impacts or mitigation? What is the level of public concern? Ranking of	N/A	
cope with impacts?		impacts or mitigation? What is the level of public concern? Ranking of potential	N/A	
cope with impacts? Can the impacts be reversed?	N/A	impacts or mitigation? What is the level of public concern? Ranking of potential significance		
cope with impacts?		impacts or mitigation? What is the level of public concern? Ranking of potential		

Criteria	Endangered ecological community or critical	lv endangered e	cological community: Whether the		
C.1.0.1.2	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 ex				
Potential impacts	Vegetation removal and activities can temporarily impact ecological communities. Areas cleared for exploration activities, access tracks, etc not available for flora / fauna habitat. Use of pesticides, herbicides, fertilisers or other chemicals have the potential to build up residues in the environment, including in soils and water. Soil erosion and sediment laden runoff from disturbed areas, that could lead to soil or water contamination or land degradation. Spread of weeds, pest animals and animal/plant diseases. Removal of vegetation, barriers created by access tracks, etc can interrupt movement of fauna species.				
Proposed management controls	Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Minimise extent of vegetation clearing and surface disturbance to as low as practicable. b. Prevent adverse impacts to fauna caused by vegetation clearing, including relocation of resident fauna. c. Access track widths unlikely to pose significant barrier to fauna. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity.				
Duration	Short term				
Application ranking					
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No		
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?			
Can the impacts be reversed?	Yes	Ranking of potential significance	Low		
Can the impacts be mitigated?	Fully	Justification f	or ranking		
Do the operations comply with standards, plans, policies?	Yes				
Criteria Standards, plans, policies :	Habitat of a threatened species or ecological	l community			
Potential impacts	Potential impacts limited due to CEA impact occur in areas of outstanding biodiversity val have a significant impact on threatened faun habitats). (Also refer to flora and fauna imp	CEA impact threshold restrictions. CEAs are not permitted to obviversity value or critical habitat. CEAs are not permitted to eatened fauna or flora species or ecological communities (or their			
Proposed management controls	N/A				
Duration	N/A				
Application ranking		T	T		
What is the confidence in predicting impacts?	N/A	Are further studies required on impacts or mitigation?	N/A		
How resilient is the environment to cope with impacts?	N/A	What is the level of public concern?			
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	Habitat of protected aquatic species or those	with conservation	on status.		
Potential impacts	Negligible and only localised changes to drainage flows/flooding regime. Water used for exploration not available for ecological purposes. Surface runoff can be sediment laden from areas where vegetation has been removed. Generally minimal surface water use (must be licensed or use of farm dams through landholder agreements). No use of groundwater but potential loss through produced water in drilling / deep excavation operations. Interception, cross contamination and/or depressurisation of groundwater systems in drilling operations. Groundwater depressurisation effects on surface water. Mobilisation of pollutants (such as hydrocarbons) in surface water or aquifers. Ford across creeks can cause stream bank erosion from vehicle wash. Inappropriate disposal of drilling wastes / overflow from drilling sumps.				

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 predicting impacts?	High	Are further studies required on impacts or	No	
		mitigation?		
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?		
Can the impacts be reversed?	Vac	Ranking of	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	Key Threatening Processes: As outlined in	Schedule 4 of Bio	odiversity Conservation Act 2016.	
	Includes: a. alteration, removal, clearly or degradation of habitat and native vegetation b. loss of hollow bearing trees c. removal of dead wood and dead trees d. invasion and establishment of exotic species.			
Potential impacts	Vegetation removal can harm threatened species or reduce local abundance of species. Areas cleared for exploration activities, access tracks, etc not available for flora habitat. Mobilisation of pollutants (such as hydrocarbons) in soils, air or waters can potentially impact fauna. Use of pesticides, herbicides, fertilisers or other chemicals have the potential to build up residues in the environment, including in soils and water. Soil erosion and sediment laden runoff from disturbe areas, that could lead to soil or water contamination or land degradation. Spread of weeds, pes			
Proposed management controls	animals and animal/plant diseases. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Minimise extent of vegetation clearing and surface disturbance to as low as practicable. b. Prevent adverse impacts to fauna caused by vegetation clearing, including relocation of resident fauna. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity.			
Duration	Short term			
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?		
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	Barriers to movement of fauna: Any potent of conservation significance) or create a bar			

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				
		e connective con	ridors used for wildlife movement.		
	Mobilisation of pollutants (such as hydrocarbons) in soils, air or waters can potentially im				
	Drilling sumps can be a hazard for fauna. Use of pesticides, herbicides, fertilisers or or chemicals have the potential to build up residues in the environment, including in soils and				
	Short term noise and air quality impacts. Soil erosion and sediment laden runoff from dis				
	areas, that could lead to soil or water contamination or land degradation. Spread of				
Proposed management controls	animals and animal/plant diseases. Activities must comply with CEA Location Restrictions. Impact Thresholds and Criteria. Activities must comply with CEA Location Restrictions.				
r roposed management controls	Activities must comply with CEA Location Restrictions, Impact Thresholds and Criter must comply with (Exploration Code of Practice: Environmental Management) as per				
	commitment in the application (APO). Relev				
	extent of vegetation clearing and surface dis impacts to fauna caused by vegetation clear				
	disturbed areas to be rehabilitated in accord	ance with title co	nditions (Exploration Code of Practice:		
Duration	Rehabilitation). Rehabilitation to occur as so Short term	on as practicable	e after completion of activity.		
Application ranking	Short term				
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			
cope with impacts?		level of			
		public			
Can the impacts be reversed?	Yes	concern? Ranking of	Low		
can allo impuoto bo lovologa.	1.00	potential	25.1		
		significance			
Can the impacts be mitigated? Do the operations comply with	Fully Yes	Justification f	or ranking		
standards, plans, policies?	165				
Criteria	Ecological & Biosecurity Impacts: Any threat	to the biological	diversity or ecological integrity of an		
Potential impacts	ecological community. Vegetation removal can decrease available	foraging/ shelteri	ng/ breeding babitat for species and		
rotential impacts	displace species from regular place of reside		used for exploration activities, access		
	tracks, etc not available for flora / fauna habi	itat. Mobilisat	ion 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				
	hazard for fauna. Use of pesticides, her to build up residues in the environment, inclu				
	laden runoff from disturbed areas, that could	0			
			mals and animal/plant diseases.		
	Fauna crossing access tracks may be killed	,	y vehicles. Surface disturbance		
Proposed management controls	may result in removal of/damage to seed sto Activities must comply with CEA Location Re		ct Thresholds and Criteria. Activities		
3	must comply with (Exploration Code of Pract	tice: Environmen	tal Management) as per the		
	commitment in the application (APO). Relev				
	extent of vegetation clearing and surface dis impacts to fauna caused by vegetation clear				
	Setbacks from steep slopes/cliffs to limit imp				
	/ disruption to fauna are temporary. Vehicle				
			tated in accordance with title conditions		
	(Exploration Code of Practice: Rehabilitation completion of activity.). Rehabilitation	to occur as soon as practicable after		
Duration	Short term				
Application ranking					
What is the confidence in predicting impacts?	High	Are further studies	No		
predicting impacts?		Studies			
		required on			
		required on impacts or			
		impacts or mitigation?			
How resilient is the environment to	High Resilience	impacts or mitigation? What is the			
How resilient is the environment to cope with impacts?	High Resilience	impacts or mitigation? What is the level of			
	High Resilience	impacts or mitigation? What is the			
	High Resilience Yes	impacts or mitigation? What is the level of public concern? Ranking of	Low		
cope with impacts?	· ·	impacts or mitigation? What is the level of public concern? Ranking of potential	Low		
cope with impacts? Can the impacts be reversed?	· ·	impacts or mitigation? What is the level of public concern? Ranking of potential significance			
cope with impacts?	Yes	impacts or mitigation? What is the level of public concern? Ranking of potential			

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.			
Potential impacts	genetically modified organisms. Mobilisation of pollutants (such as hydrocarbons) in soils, air or waters can potentially impact fauna / flora. Use of pesticides, herbicides, fertilisers or other chemicals have the potential to build up residues in the environment, including in soils and water. Spread of weeds, pest animals and animal/plant diseases. Surface disturbance may result in removal of/damage to seed stock. Weed growth in disturbed areas.			
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. 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 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?		
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	Ecological & Biosecurity Impacts: Likely to ca	ause a significan	t hushfire risk	
Potential impacts	, ,		t buching flot.	
Proposed management controls	Plant and machinery comprises a potential ignition source. 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			
Duration	can be used as firebreaks in event of fire. Short term			
Application ranking	Ghort 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?		
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?	Community Description April de una deticia et i		invitional increase in the demand for	
Criteria	Community Resources: Any degradation of i services and infrastructure resources.			
Potential impacts	Limited potential for any significant increase degradation of infrastructure, such as roads		sources. Negligible potential for	
Proposed management controls	degradation of infrastructure, such as roads and bridges. Negligible impacts likely. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO) including protection of all elements of the environment, culture and heritage. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (includes weed growth management). Legislative requirement for landholder access arrangements and compensation.			

Duration	Short term		
Application ranking			T
What is the confidence in predicting impacts?	High	Are further studies required on	No
		impacts or mitigation?	
How resilient is the environment to	High Resilience	What is the	
cope with impacts?		level of	
		public	
		concern?	
Can the impacts be reversed?	Yes	Ranking of	Low
		potential	
Can the importe he mitigated?	Fully	significance Justification f	
Can the impacts be mitigated? Do the operations comply with	Yes	Justilication	or ranking
standards, plans, policies?	163		
Criteria	Community Resources: Any diversion of res systems.	ources to the det	riment of other communities or natural
Potential impacts	Limited potential for any significant diversion		
	natural systems. Negligible impacts and		
	activities, temporarily removed from natural		
Proposed management controls			Location Restrictions, Impact
	Thresholds and Criteria. Activities must of Environmental Management) as per the com		loration Code of Practice:
	requirements of this Code include protection		
			ance with title conditions (Exploration
	Code of Practice: Rehabilitation). Rehabilitat		
	activity. (includes weed growth management). Legislative requirement for landholder access		
	arrangements and compensation.		
Duration	Short term		
Application ranking What is the confidence in	N/A	Are further	N/A
predicting impacts?	N/A	studies	N/A
prodicting impacts :		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	N/A	What is the	
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		
standards, plans, policies?	Natural Resources: Any disruption, depletion	or doctruction o	f natural resources
Criteria			
Potential impacts	Limited potential for any significant diversion natural systems. Negligible impacts and		
	activities, temporarily removed as a natural r		getation removal may remove potential
			resources other than positive in terms
	of increased knowledge of geological resour	ces.	
Proposed management controls			Location Restrictions, Impact
			loration Code of Practice:
	Environmental Management) as per the com requirements of this Code include protection		
			litated in accordance with title
	conditions (Exploration Code of Practice: Re		
			ement for landholder access
	arrangements and compensation limit any p	otential impacts.	
Duration	N/A		
Application ranking What is the confidence in	N/A	Ara filetha	No
what is the confidence in predicting impacts?	IN/A	Are further studies	INU
predicting impacts?		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	N/A	What is the	
cope with impacts?		level of	
		public	
		concern?	

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 activities which rely on natural resources, including forestry, farming or extractive industries (or reduction of options for future activities).				
Potential impacts	Limited potential for any significant disruption of existing activities (or reduction of future activities) given temporary nature of exploration. Negligible impacts and only localised & temporary changes. Areas used for exploration activities, 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.				
Proposed management controls	Thresholds and Criteria. Activities must of Environmental Management) as per the commequirements of this Code include protection air), culture and heritage. All disturbed a conditions (Exploration Code of Practice: Re	comply with (Exp nmitment in the a of all elements of reas to be rehabi habilitation). Ref egislative require	of the environment (water, land, soil, ilitated in accordance with title		
Duration	Short term				
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?			
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	Yes				
standards, plans, policies?					
Criteria	Natural Resources: Any use which results in	the degradation	of any area reserved for conservation		
	purposes.				
Potential impacts	CEA activity not permitted in areas reserved	for conservation	purposes.		
Proposed management controls	N/A				
Duration	N/A				
Application ranking					
What is the confidence in predicting impacts?	N/A	Are further studies required on impacts or mitigation?	N/A		
How resilient is the environment to	N/A	What is the			
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 Nationa acquired under the National Parks and Wildl		areas reserved or dedicated or		
Potential impacts	Activity not permitted in these areas.				
Proposed management controls	N/A				
Duration	N/A				
Application ranking					
What is the confidence in predicting impacts?	N/A	Are further studies required on impacts or mitigation?	N/A		
How resilient is the environment to cope with impacts?	N/A	What is the level of public concern?			

Can the impacts be reversed?	N/A	Ranking of potential significance		
0 41 - 1 4 - 1 141 4 - 10	N1/A			
Can the impacts be mitigated? Do the operations comply with standards, plans, policies?	N/A N/A	Justification f	_	
Criteria	Sensitive Land Impacts: Land subject to a 'conservation agreement' under the National Parks and Wildlife Act 1974 and/or the Biodiversity Conservation Act 2016. This includes: a. Biobanking agreement (established under the now repealed Threatened Species Conservation Act 1995) or a Biodiversity Stewardship agreement established under the Biodiversity Conservation Act 2016. b. Wildlife Refuge agreement established under the Biodiversity Conservation Act 2016. c. Existing conservation agreements that continue to have effect even where legislation has been repealed: Trust agreements under the now repealed Nature Conservation Trust Act 2001 Property vegetation plans made under the now-repealed Native Vegetation Act 2003 Registered property agreements under the repealed Native Vegetation Conservation Act 1997			
Potential impacts	Activity not permitted in these areas.			
Proposed management controls	N/A			
Duration	N/A			
Application ranking	14/7 (
What is the confidence in predicting impacts?	N/A	Are further studies required on impacts or mitigation?	N/A	
How resilient is the environment to cope with impacts?	N/A	What is the level of public concern?		
Can the impacts be reversed?	N/A	Ranking of potential significance		
Can the impacts be mitigated?	N/A	Justification f	or ranking	
Do the operations comply with standards, plans, policies?	N/A			
Criteria	Sensitive Land Impacts: Impacts on aquatic Estate Management Act 2014. Impacts on C 2016.			
Potential impacts	Activity not permitted in these areas.			
Proposed management controls	N/A			
Duration	N/A			
Application ranking				
What is the confidence in predicting impacts?	N/A	Are further studies required on impacts or mitigation?	N/A	
How resilient is the environment to cope with impacts?	N/A	What is the level of public concern?		
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 and	d commercial fish	n breeding or nursery areas.	
Potential impacts	Sensitive Land Impacts: Fishing grounds and commercial fish breeding or nursery areas. Negligible and only localised changes to drainage flows/flooding regime. Surface runoff can be sediment laden from areas where vegetation has been removed. Generally minimal surface water use (must be licensed or use of farm dams through landholder agreements). Interception, cross contamination and/or depressurisation of groundwater systems in drilling operations. Groundwater depressurisation effects on surface water. Mobilisation of pollutants (such as hydrocarbons) in surface water or aquifers. Ford across creeks can cause stream bank erosion from vehicle wash. Inappropriate disposal of drilling wastes / overflow from drilling sumps.			
Proposed management controls				

Duration	Chart tarm		
Duration Application ranking	Short term		
What is the confidence in	High	Are further	No
predicting impacts?	riigii	studies	140
predicting impacts:		required on	
		impacts or	
	18.1.5.28	mitigation?	
How resilient is the environment to	High Resilience	What is the	
cope with impacts?		level of	
		public	
		concern?	
Can the impacts be reversed?	Yes	Ranking of	Low
		potential	
		significance	
Can the impacts be mitigated?	Fully	Justification for	or ranking
Do the operations comply with	Yes		3
standards, plans, policies?	100		
Criteria	Sensitive Land Impacts: Impacts on other se	l oncitivo lando inc	luding: 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		r Act 1991. c. Waterfront land as
	defined under the Water Management Act 20		
Potential impacts	N/A CEA Location restrictions prevent acti	vities in such ser	sitive locations.
Proposed management controls	N/A		
Duration	N/A		
Application ranking			
What is the confidence in	N/A	Are further	N/A
predicting impacts?	IN/A	studies	14/73
predicting impacts:			
		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	N/A	What is the	
cope with impacts?		level of	
-		public	
		concern?	
Can the impacts be reversed?	N/A	Ranking of	
can the impacts be reversed.	14/7	potential	
		significance	
0 4h 1	NI/A		I-I
Can the impacts be mitigated?	N/A	Justification for	or ranking
Do the operations comply with	N/A		
standards, plans, policies?			
Criteria	Sensitive Land Impacts: Impacts on land res	erved or dedicate	ed within the meaning of the Crown
	Lands Act 1989/Crown Lands Management	Act 2016 for pres	ervation of the environment or other
	environmental protection purposes.		
Potential impacts	Activity not permitted in area.		
Proposed management controls	, , , , , , , , , , , , , , , , , , ,		
	N/A		
Duration	, , , , , , , , , , , , , , , , , , ,		
Duration Application ranking	N/A N/A		
Duration Application ranking What is the confidence in	N/A	Are further	N/A
Duration Application ranking	N/A N/A	Are further studies	N/A
Duration Application ranking What is the confidence in	N/A N/A		N/A
Duration Application ranking What is the confidence in	N/A N/A	studies	N/A
Duration Application ranking What is the confidence in	N/A N/A	studies required on impacts or	N/A
Duration Application ranking What is the confidence in predicting impacts?	N/A N/A	studies required on impacts or mitigation?	N/A
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
Duration Application ranking What is the confidence in predicting impacts?	N/A N/A	studies required on impacts or mitigation? What is the level of	N/A
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 level of public	N/A
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?	N/A
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 level of public concern? Ranking of	N/A
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	N/A
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	N/A
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 significance	
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	
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	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	
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	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification fo	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?	N/A N/A N/A N/A N/A N/A N/A Sensitive Land Impacts: Impacts on land ide	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification fo	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	N/A N/A N/A N/A N/A N/A N/A N/A Sensitive Land Impacts: Impacts on land ide under the Wilderness Act 1987.	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification fo	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 Potential impacts	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 fo	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 Potential impacts Proposed management controls	N/A N/A N/A N/A N/A N/A N/A N/A N/A Sensitive Land Impacts: Impacts on land ide under the Wilderness Act 1987. Activity not permitted in these areas. N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification fo	or ranking
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	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification fo	or 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	
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		
standards, plans, policies?			
Criteria	Sensitive Lands: Impacts on wetlands of inte Convention on Wetlands and those designat Important Wetlands of Australia.		
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	
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		
standards, plans, policies?			
Criteria	Sensitive Land Impacts: Impacts on land ide of biodiversity / conservation significance or management. Includes Coastal Wetlands an Planning Policy (Resilience and Hazards) 20	zoned for environ d Littoral rainfore	nmental conservation, protection and/or
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	1471
producting impactor		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	N/A	What is the	
cope with impacts?		level of	
		public	
		concern?	
Can the impacts be reversed?	N/A	Ranking of	
		potential	
		significance	
Can the impacts be mitigated?	i e e e e e e e e e e e e e e e e e e e		or ranking
	N/A	Justification f	UI TATIKITY
	N/A N/A	Justification f	or ranking
Do the operations comply with standards, plans, policies?		Justification f	or ranking
Do the operations comply with			
Do the operations comply with standards, plans, policies?	N/A	nal heritage prote	ction areas: a. Aboriginal places and
Do the operations comply with standards, plans, policies?	N/A Sensitive Land Impacts: Impacts on Aborigir	nal heritage prote e Act 1974 b. A	ction areas: a. Aboriginal places and
Do the operations comply with standards, plans, policies?	N/A Sensitive Land Impacts: Impacts on Aborigir objects under the National Parks and Wildlife	nal heritage prote e Act 1974 b. A	ction areas: a. Aboriginal places and
Do the operations comply with standards, plans, policies? Criteria Potential impacts	N/A Sensitive Land Impacts: Impacts on Aborigir objects under the National Parks and Wildlifidentified in an environmental planning instru	nal heritage prote e Act 1974 b. A	ction areas: a. Aboriginal places and
Do the operations comply with standards, plans, policies? Criteria	N/A Sensitive Land Impacts: Impacts on Aborigir objects under the National Parks and Wildlifidentified in an environmental planning instruction Activity not permitted in these areas. N/A	nal heritage prote e Act 1974 b. A	ction areas: a. Aboriginal places and
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration	N/A Sensitive Land Impacts: Impacts on Aborigir objects under the National Parks and Wildlifidentified in an environmental planning instruction Activity not permitted in these areas.	nal heritage prote e Act 1974 b. A	ction areas: a. Aboriginal places and
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking	N/A Sensitive Land Impacts: Impacts on Aborigir objects under the National Parks and Wildlifidentified in an environmental planning instruction Activity not permitted in these areas. N/A N/A	nal heritage prote e Act 1974 b. A ument.	ction areas: a. Aboriginal places and reas of Aboriginal cultural significance
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in	N/A Sensitive Land Impacts: Impacts on Aborigir objects under the National Parks and Wildlifidentified in an environmental planning instruction Activity not permitted in these areas. N/A	nal heritage prote e Act 1974 b. A	ction areas: a. Aboriginal places and
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking	N/A Sensitive Land Impacts: Impacts on Aborigir objects under the National Parks and Wildlifidentified in an environmental planning instruction Activity not permitted in these areas. N/A N/A	nal heritage prote e Act 1974 b. A ument.	ction areas: a. Aboriginal places and reas of Aboriginal cultural significance
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in	N/A Sensitive Land Impacts: Impacts on Aborigir objects under the National Parks and Wildlifidentified in an environmental planning instruction Activity not permitted in these areas. N/A N/A	nal heritage prote e Act 1974 b. A ument. Are further studies	ction areas: a. Aboriginal places and reas of Aboriginal cultural significance
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in	N/A Sensitive Land Impacts: Impacts on Aborigir objects under the National Parks and Wildlifidentified in an environmental planning instruction Activity not permitted in these areas. N/A N/A	Are further studies required on	ction areas: a. Aboriginal places and reas of Aboriginal cultural significance

How resilient is the environment to cope with impacts?	N/A	What is the level of public	
Can the impacts be reversed?	N/A	concern? 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 heritage and internationally recognised heritage sites Commonwealth Heritage List) b. Items liste conservation areas identified in an environm	or areas (World ed on State Herita	Heritage List, National Heritage List of age c. Heritage items and
Potential impacts	CEA activities not permitted in these areas.	Crital planning in	Strument
Proposed management controls	N/A		
Duration	N/A		
Application ranking			
What is the confidence in predicting impacts?	N/A	Are further studies required on impacts or	N/A
		mitigation?	
How resilient is the environment to	N/A	What is the	
cope with impacts?		level of	
		public	
Can the impacts be reversed?	N/A	concern? Ranking of	
Can the impacts be reversed?	N/A	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 commun	nity land classifie	d under the Local Government Act
	1993 (for which a plan of management has b	peen prepared).	
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?	N/A	studies required on impacts or mitigation?	N/A
How resilient is the environment to cope with impacts?	N/A	What is the level of public	
		concern?	
Can the impacts be reversed?	N/A	Ranking of potential	
Can the impacts he miting to 10	N/A	significance	
Can the impacts be mitigated? Do the operations comply with	N/A N/A	Justification f	UI TATIKITIY
standards, plans, policies?	IN/C		
Criteria	Sensitive Land Impacts: Impacts on bushfire	prone areas.	
Potential impacts	Plant and machinery may be an ignition sour	•	
Proposed management controls	Activities must comply with CEA Location Re	etrictions Impac	t Thresholds and Criteria. Activities
	must comply with (Exploration Code of Practice commitment in the application (APO). Releving assessment and implementing suitable controls on activities during Extreme or Cata Activities must comply with WHS legislative can be used as firebreaks in event of fire.	tice: Environment yant requirements controls to mana estrophic Fire Cor	tal Management) as per the s of this Code including undertaking a ge risks (e.g. implementation of
Duration	Short term		
Application ranking	Te I		
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?	

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	Social Impacts: Any impacts which result in a change in the demographic structure of the community, including changes to workforce or industry structure of the area/region. Including change in demand for community resources (eg community facilities, community services and labour force)				
Potential impacts	labour force). Limited potential for any significant change in the demographic structure of the community. Negligible impacts and only localised changes in demand for community resources. Minimal increase in demand for accommodation, food, mechanical and fuel supplies, etc. Not large enough to warrant significant changes in supply.				
Proposed management controls	Negligible impacts likely due to low personnel numbers and temporary nature of exploration. Generally positive for suppliers of services and goods utilised.				
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?			
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	Social Impacts: Any environmental impact the				
	community (including loss of facilities or loss				
Potential impacts		exploration activ	ities, temporarily removed from natural		
Proposed management controls	systems and / community use. Short term noise, air quality and visual impacts. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include minimising potential impacts on all aspects of the environment (including water, land, air). All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any boreholes).				
Duration	Short term				
Application ranking					
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No		
How resilient is the environment to cope with impacts?	High Resilience	What is the level of 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	Yes				
standards, plans, policies? Criteria	Social Impacts: Any impacts which result in				
	disadvantaged (e.g. change to community fa				
Potential impacts		ntly impact on inc activities, tempo	dividuals or communities - short term rarily removed from natural systems		

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 protection of all elements of the environment (water, land, soil, air), culture and heritage. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity. Legislative requirement for landholder access arrangements and compensation limit any potential impacts.				
	Compensation under Mining Act available to	mitigate comper	nsation. Activities must comply with		
	WHS legislative requirements.				
Duration	Short term				
Application ranking What is the confidence in	High	Are further	No		
predicting impacts?	Пgп	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?			
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	Yes	Justinication	or ranking		
standards, plans, policies?					
Criteria	Social Impacts: Any impacts on the health, s caused by factors such as pollution, odour, r	noise, vibration, li	ghting, visual impacts, etc).		
Potential impacts	Activities not of a nature to cause any significant or long term health, safety, privacy or welfare impacts. Limited potential to significantly impact on individuals or communities - short term impacts only. Short term and temporary noise, air quality and visual impacts.				
			tal Management) as per the		
	commitment in the application (APO). Relevelements of the environment (water, land, so be rehabilitated in accordance with title concern Rehabilitation to occur as soon as practicable requirement for landholder access arrangem Compensation under Mining Act available to	vant requirements oil, air), culture ar ditions (Exploration le after completion ments and compe	s of this Code include protection of all ad heritage. All disturbed areas to an Code of Practice: Rehabilitation). In of activity. Legislative insation limit any potential impacts.		
Duration	commitment in the application (APO). Relevelements of the environment (water, land, so be rehabilitated in accordance with title concern Rehabilitation to occur as soon as practicable requirement for landholder access arrangement Compensation under Mining Act available to WHS legislative requirements.	vant requirements oil, air), culture ar ditions (Exploration le after completion ments and compe	s of this Code include protection of all ad heritage. All disturbed areas to an Code of Practice: Rehabilitation). In of activity. Legislative insation limit any potential impacts.		
Duration Application ranking	commitment in the application (APO). Relevelements of the environment (water, land, so be rehabilitated in accordance with title concern Rehabilitation to occur as soon as practicable requirement for landholder access arrangem Compensation under Mining Act available to	vant requirements oil, air), culture ar ditions (Exploration le after completion ments and compe	s of this Code include protection of all ad heritage. All disturbed areas to an Code of Practice: Rehabilitation). In of activity. Legislative insation limit any potential impacts.		
Duration Application ranking What is the confidence in predicting impacts?	commitment in the application (APO). Relevelements of the environment (water, land, so be rehabilitated in accordance with title concern Rehabilitation to occur as soon as practicable requirement for landholder access arrangement Compensation under Mining Act available to WHS legislative requirements.	vant requirements oil, air), culture ar ditions (Exploratio e after completio nents and compet mitigate comper Are further studies required on impacts or	s of this Code include protection of all ad heritage. All disturbed areas to an Code of Practice: Rehabilitation). In of activity. Legislative insation limit any potential impacts.		
Application ranking What is the confidence in	commitment in the application (APO). Relevelements of the environment (water, land, so be rehabilitated in accordance with title concentration of the environment (water, land, so be rehabilitated in accordance with title concentration of the environment of the environment of landholder access arrangement compensation under Mining Act available to WHS legislative requirements. Short term	vant requirements oil, air), culture ar ditions (Exploratio e after completio nents and compen mitigate comper Are further studies required on	s of this Code include protection of all ad heritage. All disturbed areas to an Code of Practice: Rehabilitation). In of activity. Legislative insation limit any potential impacts. Insation. Activities must comply with		
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed?	commitment in the application (APO). Relevelements of the environment (water, land, so be rehabilitated in accordance with title concentration of the environment of the environment of the environment of landholder access arrangements. Short term N/A Yes	vant requirements oil, air), culture ar ditions (Exploratio e after completio e after completio e after competio impacts or mitigation? What is the level of public concern? Ranking of potential significance	s of this Code include protection of all ad heritage. All disturbed areas to an Code of Practice: Rehabilitation). In of activity. Legislative insation limit any potential impacts. Insation. Activities must comply with		
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?	commitment in the application (APO). Relevelements of the environment (water, land, so be rehabilitated in accordance with title concern Rehabilitation to occur as soon as practicable requirement for landholder access arrangements. Short term N/A N/A Yes Fully	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	s of this Code include protection of all ad heritage. All disturbed areas to an Code of Practice: Rehabilitation). In of activity. Legislative insation limit any potential impacts. Insation. Activities must comply with		
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?	commitment in the application (APO). Relevelements of the environment (water, land, so be rehabilitated in accordance with title concerning Rehabilitation to occur as soon as practicable requirement for landholder access arrangements. Short term N/A N/A Yes Fully Yes	vant requirements oil, air), culture ar ditions (Exploratio e after completio e after completio ents and comper mitigate comper mitigate comper Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for	s of this Code include protection of all ad heritage. All disturbed areas to an Code of Practice: Rehabilitation). In of activity. Legislative insation limit any potential impacts. Insation. Activities must comply with		
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	commitment in the application (APO). Relevelements of the environment (water, land, so be rehabilitated in accordance with title concentration of the environment (water, land, so be rehabilitation to occur as soon as practicable requirement for landholder access arrangem Compensation under Mining Act available to WHS legislative requirements. Short term N/A Yes Fully Yes Social Impacts: Effect on a locality, place or archaeological, architectural, cultural, historivalue for present or future generations?	vant requirements oil, air), culture ar ditions (Exploration e after completion ents and compete mitigate comper mitigate comper Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for	s of this Code include protection of all ad heritage. All disturbed areas to an Code of Practice: Rehabilitation). In of activity. Legislative insation limit any potential impacts. Insation. Activities must comply with insation.		
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?	commitment in the application (APO). Relevelements of the environment (water, land, so be rehabilitated in accordance with title concentration of the environment (water, land, so be rehabilitation to occur as soon as practicable requirement for landholder access arrangem Compensation under Mining Act available to WHS legislative requirements. Short term N/A Yes Fully Yes Social Impacts: Effect on a locality, place or archaeological, architectural, cultural, histori	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for building having acal, scientific or soil, air, acientific or soil, acientific o	s of this Code include protection of all ad heritage. All disturbed areas to an Code of Practice: Rehabilitation). In of activity. Legislative insation limit any potential impacts. Insation. Activities must comply with ins		
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	commitment in the application (APO). Relevelements of the environment (water, land, so be rehabilitated in accordance with title concernation of the environment (water, land, so be rehabilitation to occur as soon as practicable requirement for landholder access arrangements. Short erm N/A legislative requirements. N/A N/A Yes Fully Yes Social Impacts: Effect on a locality, place or archaeological, architectural, cultural, historivalue for present or future generations? Negligible potential to effect a locality, place archaeological, architectural, cultural, historivalue due to location restrictions of a CEA. Negligible impacts likely due to low impact of exploration. Activities must comply with Criteria. Activities must comply with (Exploration (AF)	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for building having a cal, scientific or so Short term an fomploration Code of	s of this Code include protection of all ad heritage. All disturbed areas to an Code of Practice: Rehabilitation). In of activity. Legislative insation limit any potential impacts. Insation. Activities must comply with insation. Activities and temporary insation activities and temporary nature Restrictions, Impact Thresholds and		
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	commitment in the application (APO). Relevelements of the environment (water, land, so be rehabilitated in accordance with title concentration of the environment (water, land, so be rehabilitation to occur as soon as practicable requirement for landholder access arrangements. Short term N/A legislative requirements. N/A N/A Yes Fully Yes Social Impacts: Effect on a locality, place or archaeological, architectural, cultural, historivalue for present or future generations? Negligible potential to effect a locality, place archaeological, architectural, cultural, historivalue due to location restrictions of a CEA. Negligible impacts likely due to low impact of exploration. Activities must comply with Criteria. Activities must comply with (Exp.	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for building having a cal, scientific or so Short term an fomploration Code of	s of this Code include protection of all ad heritage. All disturbed areas to an Code of Practice: Rehabilitation). In of activity. Legislative insation limit any potential impacts. Insation. Activities must comply with insation. Activities and temporary insation activities and temporary nature Restrictions, Impact Thresholds and Practice: Environmental Management)		

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	
cope with impacts?		level of	
		public	
Con the immedte he wavened do	Van	concern?	Law
Can the impacts be reversed?	Yes	Ranking of 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	Social Impacts: Impacts on communities with	h strong sense of	fidentity.
Potential impacts	Community likely to include members who h		<u> </u>
1 otoniai impaoto	exploration program. Short term and term		
Proposed management controls	Short term impacts on the community and pr		
3 · · · p · · · · · · · · · · · · · · · · · · ·	landholder agreement and any compensatio		ed areas to be rehabilitated in
	accordance with title conditions (Exploration	Code of Practice	e: Rehabilitation). Rehabilitation to
	occur as soon as practicable after completio		,
Duration	Short term	•	
Application ranking			
What is the confidence in	Medium	Are further	No
predicting impacts?		studies	
		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	High Resilience	What is the	
cope with impacts?		level of	
		public	
0 (1) (1	l v	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	oustinoution is	or running
standards, plans, policies?	100		
Criteria	Social Impacts: Impacts on disadvantaged c	ommunities.	
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		ed areas to be rehabilitated in
	accordance with title conditions (Exploration	Code of Practice	e: Rehabilitation). Rehabilitation to
	occur as soon as practicable after completio	n of activity.	
Duration	Short term		
Application ranking			
What is the confidence in	High	Are further	No
predicting impacts?		studies	
		required on	
		impacts or	
How recilient is the environment to	High Positiones	mitigation? What is the	
How resilient is the environment to	High Resilience	level of	
cope with impacts?			
		public concern?	
Can the impacts be reversed?	Yes	Ranking of	Low
can the impacts be reversed?	162	•	LOW
		potential significance	
Can the impacts be mitigated?	Fully	Justification f	or ranking
Do the operations comply with	Yes	Jastineation	o. ranking
standards, plans, policies?	100		
Criteria Criteria	Economic Impacts: Any impacts which may	affect economic	activity (positive or negative), including
	a decrease to net economic welfare.		-3/,349
Potential impacts		al increase in dem	nand for accommodation, food,
<u>-</u> _	mechanical and fuel supplies, etc. Not large		
Proposed management controls	Negligible impacts likely due to low personne		
	Generally positive for suppliers of services a	ina gooas utilised	l
Duration	Generally positive for suppliers of services a Short term	ina goods utilised	l.
Duration Application ranking		ina goods utilised	1.

What is the confidence in predicting impacts?	High	Are further studies required on impacts or	No
How resilient is the environment to cope with impacts?	High Resilience	mitigation? What is the level of public concern?	
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	Economic Impacts: Any impacts that result in		
Potential impacts	Activities not of a scale to warrant changes in result in increased income for some supplier.	S.	Temporary increase in demand will
Proposed management controls	Negligible impacts likely due to low personne Generally positive for suppliers of services a		
Duration	Short term		
Application ranking What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?	
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	Economic Impacts: Any impacts which result expenditure base.		·
Potential impacts	Rehabilitation security bond covers any futur exploration may lead to significant mining inv impacts from exploration.		or rehabilitation. Investment in hited long term negative economic
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 concern?	
Can the impacts be reversed?	Yes	Ranking of potential	Low
		significance	
Can the impacts be mitigated?	No	Justification for	or ranking
Can the impacts be mitigated? Do the operations comply with	No Yes		or ranking
			or ranking
Do the operations comply with standards, plans, policies? Criteria	Yes Heritage Impacts: Any impacts on a locality, heritage significance.	Justification for	e, building or archaeological relic of
Do the operations comply with standards, plans, policies? Criteria Potential impacts	Yes Heritage Impacts: Any impacts on a locality, heritage significance. Damage to structures and sensitive features locality, places, landscapes or buildings. Potential for temporary impact on aesthetics	place, landscape Limited po Short term noise of a locality.	tential to significantly impact on air quality and visual impacts.
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls	Yes Heritage Impacts: Any impacts on a locality, heritage significance. Damage to structures and sensitive features locality, places, landscapes or buildings. Potential for temporary impact on aesthetics Activities must comply with CEA Location Remust 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). with title conditions (Exploration Code of Prapracticable after completion of activity (include)	place, landscape Limited po Short term noise of a locality. estrictions, Impactice: Environment ant requirements nment (including All disturbed a ctice: Rehabilitat	tential to significantly impact on , air quality and visual impacts. It Thresholds and Criteria. Activities all Management) as per the of this Code include minimising water, land, air), culture and heritage reas to be rehabilitated in accordance ion). Rehabilitation to occur as soon as
Do the operations comply with standards, plans, policies? Criteria Potential impacts	Yes Heritage Impacts: Any impacts on a locality, heritage significance. Damage to structures and sensitive features locality, places, landscapes or buildings. Potential for temporary impact on aesthetics Activities must comply with CEA Location Remust 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). with title conditions (Exploration Code of Pra	place, landscape Limited po Short term noise of a locality. estrictions, Impactice: Environment ant requirements nment (including All disturbed a ctice: Rehabilitat	tential to significantly impact on , air quality and visual impacts. It Thresholds and Criteria. Activities all Management) as per the of this Code include minimising water, land, air), culture and heritage reas to be rehabilitated in accordance ion). Rehabilitation to occur as soon as

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	
cope with impacts?		level of	
		public	
		concern?	
Can the impacts be reversed?	Yes	Ranking of	Low
The second secon		potential	
		significance	
Can the impacts be mitigated?	Partly	Justification f	or ranking
Do the operations comply with	Yes	- Cuotimoution i	or ramany
standards, plans, policies?	163		
Criteria Standards, plans, policies	Aesthetic Impacts: Any impacts on the visua	l Lor econic lander	cane including lighting venting or
Officia	flaring of gas.	i or secrite larius	cape, including lighting, venting of
Potential impacts	Limited potential to significantly impact on vis	cual or scopic lar	ndscape. Short term noise, air
roteitiai iiipacts			t on aesthetics of a locality. Lighting
Barrier d'acceptant	during night time operations and use of acce		
Proposed management controls	Activities must comply with CEA Location Re		
	must comply with (Exploration Code of Pract	ice: Environmen	tal Management) as per the
	commitment in the application (APO). Relev		
	potential impacts on all aspects of the enviro		
	(Aboriginal and Non-Indigenous heritage).		reas to be rehabilitated in accordance
	with title conditions (Exploration Code of Pra		
	practicable after completion of activity (include	ding sealing of ar	ny boreholes).
Duration	Short term		
Application ranking			
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	
cope with impacts?	Thigh resilience	level of	
cope with impacts?			
		public	
	N/A	concern?	
Can the impacts be reversed?	N/A	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	Aesthetic Impacts: Areas or items of high ae	sthetic or scenic	value.
Potential impacts	Limited potential to significantly impact on a	esthetic or scenic	value. Short term noise, air quality
•	and visual impacts. Potential for tempora		
	night time operations and use of access trac		
	Exploration activities, including any removal		
	on visual amenity.	or vogotation and	a access track resulting, may impact
Proposed management controls	Short term impacts predominantly limited to	immediate site	Activities must comply with CEA
r roposed management controls	Location Restrictions, Impact Thresholds and		tivities must comply with (Exploration
	Code of Practice: Environmental Manageme		
	Relevant requirements of this Code include		
	environment (including water, land, air), culti		
			lance with title conditions (Exploration
	Code of Practice: Rehabilitation). Rehabilitat	ion to occur as s	oon as practicable after completion of
	activity (including sealing of any boreholes).		
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	
cope with impacts?	J	level of	
		public	
		concern?	
Can the impacts he reversed	Vos		Low
Can the impacts be reversed?	Yes	Ranking of	Low
		potential	
	5.0	significance	<u> </u>
Can the impacts be mitigated?	Partly	Justification f	or ranking

Do the operations comply with standards, plans, policies?	Yes				
Criteria	Cultural Impacts: Any disturbance of the ground surface or any culturally modified trees (e.g. a scar tree).				
Potential impacts	Short term ground disturbance. Potential for temporary impact on aesthetics of a locality.				
Proposed management controls	Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities cannot occur on land declared an Aboriginal Place and activities must not harm Aboriginal Objects. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include minimising potential impacts on all aspects of the environment (including water, land, air), culture and heritage (Aboriginal and Non-Indigenous heritage). All disturbed areas to be rehabilitated in accordance				
	(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					
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			
cope with impacts? Can the impacts be reversed?	Yes	level of public concern?	Low		
	100	potential significance	Low		
Can the impacts be mitigated?	Fully	Justification f	or ranking		
Do the operations comply with	Yes				
standards, plans, policies? Criteria	Cultural Impacts: Any impacts on known Abo	 priginal obiects o	r Aboriginal places.		
Potential impacts	. , ,	<u> </u>	poriginal objects and places through		
Proposed management controls	ground disturbance, excavations, vegetation	clearing, etc.			
	Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities cannot occur on land declared an Aboriginal Place and activities must not harm Aboriginal Objects. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include minimising potential impacts on all aspects of the environment (including water, land, air), culture and heritage (Aboriginal and Non-Indigenous heritage). All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as				
Down the co	practicable after completion of activity (include	ding sealing of ar	ny boreholes).		
Duration Application replies	Short term				
Application ranking What is the confidence in	High	Are further	No		
predicting impacts?	riigii	studies required on impacts or mitigation?	NO		
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?			
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: Affects areas where the lar Aboriginal objects.	·	<u> </u>		
Potential impacts			poriginal objects and places through		
Proposed management controls	ground disturbance, excavations, vegetation clearing, etc. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities cannot occur on land declared an Aboriginal Place and activities must not harm Aboriginal Objects. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include minimising potential impacts on all aspects of the environment (including water, land, air), culture and heritage (Aboriginal and Non-Indigenous heritage). All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any boreholes).				
Duration	Short term				
Application ranking					

What is the confidence in	High	Are further	No
predicting impacts?	1	studies	
predicting impacts:		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	High Resilience	What is the	
cope with impacts?		level of	
		public	
		concern?	
Can the impacts be reversed?	Yes	Ranking of	Low
can the impacts be reversed:	165		LOW
		potential	
		significance	
Can the impacts be mitigated?	Fully	Justification for	or ranking
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Cultural Impacts: Affects areas subject to na	tive title claims, in	ndigenous land use agreements or
	joint management arrangements.		naigenede land des agreemente et
Detential impacts	Condition of exploration title/authority prohib	ita avalaration an	any land ar waters on which Native
Potential impacts			
	Title has not been extinguished, unless the p		
Proposed management controls	Condition of exploration title/authority prohib		
	Title has not been extinguished, unless the p	orior consent of th	ne Minister has been obtained.
Duration	Short term		
Application ranking			
What is the confidence in	High	Are further	No
	riigii		INO
predicting impacts?		studies	
		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	High Resilience	What is the	
cope with impacts?	Tilgit (Colliertee	level of	
cope with impacts:			
		public	
		concern?	
Can the impacts be reversed?	Yes	Ranking of	Low
		potential	
		potential	
		•	
Can the impacts be mitigated?	Fully	significance	or ranking
Can the impacts be mitigated?	Fully	•	or ranking
Do the operations comply with	Fully Yes	significance	or ranking
Do the operations comply with standards, plans, policies?	Yes	significance Justification fo	·
Do the operations comply with standards, plans, policies? Criteria	Yes Cultural Impacts: Impacts on Aboriginal com	significance Justification for	s subject to land rights claims.
Do the operations comply with standards, plans, policies?	Yes	significance Justification for	s subject to land rights claims.
Do the operations comply with standards, plans, policies? Criteria	Yes Cultural Impacts: Impacts on Aboriginal com Condition of exploration title/authority prohib	significance Justification for munities or areas its exploration on	s subject to land rights claims. any land or waters on which Native
Do the operations comply with standards, plans, policies? Criteria	Yes Cultural Impacts: Impacts on Aboriginal com Condition of exploration title/authority prohib Title has not been extinguished, unless the p	significance Justification for munities or areas its exploration on prior consent of the	s subject to land rights claims. any land or waters on which Native ne Minister has been obtained.
Do the operations comply with standards, plans, policies? Criteria	Yes Cultural Impacts: Impacts on Aboriginal com Condition of exploration title/authority prohib Title has not been extinguished, unless the p Activities must comply with CEA Location Re	significance Justification for munities or areas its exploration on orior consent of the	s subject to land rights claims. any land or waters on which Native ne Minister has been obtained. t Thresholds and Criteria. Activities
Do the operations comply with standards, plans, policies? Criteria	Yes Cultural Impacts: Impacts on Aboriginal com Condition of exploration title/authority prohib Title has not been extinguished, unless the p Activities must comply with CEA Location Re cannot occur on land declared an Aboriginal	significance Justification for munities or areas its exploration on orior consent of the	s subject to land rights claims. any land or waters on which Native ne Minister has been obtained. t Thresholds and Criteria. Activities
Do the operations comply with standards, plans, policies? Criteria Potential impacts	Yes Cultural Impacts: Impacts on Aboriginal com Condition of exploration title/authority prohib Title has not been extinguished, unless the p Activities must comply with CEA Location Re cannot occur on land declared an Aboriginal Any impacts are short term and temporary.	munities or areas its exploration on prior consent of the estrictions, Impac Place and activit	s subject to land rights claims. any land or waters on which Native ne Minister has been obtained. It Thresholds and Criteria. Activities ties must not harm Aboriginal Objects.
Do the operations comply with standards, plans, policies? Criteria	Yes Cultural Impacts: Impacts on Aboriginal com Condition of exploration title/authority prohib Title has not been extinguished, unless the p Activities must comply with CEA Location Re cannot occur on land declared an Aboriginal Any impacts are short term and temporary. Condition of exploration title/authority prohib	munities or areas its exploration on orior consent of the estrictions, Impac Place and activit its exploration on	s subject to land rights claims. any land or waters on which Native ne Minister has been obtained. It Thresholds and Criteria. Activities ties must not harm Aboriginal Objects. It any land or waters on which Native
Do the operations comply with standards, plans, policies? Criteria Potential impacts	Yes Cultural Impacts: Impacts on Aboriginal com Condition of exploration title/authority prohib Title has not been extinguished, unless the p Activities must comply with CEA Location Re cannot occur on land declared an Aboriginal Any impacts are short term and temporary. Condition of exploration title/authority prohib Title has not been extinguished, unless the p	munities or areas its exploration on prior consent of the estrictions, Impac Place and activit its exploration on prior consent of the	s subject to land rights claims. any land or waters on which Native ne Minister has been obtained. It Thresholds and Criteria. Activities ties must not harm Aboriginal Objects. any land or waters on which Native ne Minister has been obtained.
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Do the operations comply with standards, plans, policies? Criteria Potential impacts	Yes Cultural Impacts: Impacts on Aboriginal com Condition of exploration title/authority prohib Title has not been extinguished, unless the p Activities must comply with CEA Location Re cannot occur on land declared an Aboriginal Any impacts are short term and temporary. Condition of exploration title/authority prohib Title has not been extinguished, unless the p	munities or areas its exploration on orior consent of the estrictions, Impace Place and activit its exploration on orior consent of the estrictions, Impace place and activit its exploration on orior consent of the estrictions, Impace	s subject to land rights claims. any land or waters on which Native ne Minister has been obtained. It Thresholds and Criteria. Activities ties must not harm Aboriginal Objects. any land or waters on which Native ne Minister has been obtained. It Thresholds and Criteria. Activities
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls	Yes Cultural Impacts: Impacts on Aboriginal com Condition of exploration title/authority prohib Title has not been extinguished, unless the p Activities must comply with CEA Location Re cannot occur on land declared an Aboriginal Any impacts are short term and temporary. Condition of exploration title/authority prohib Title has not been extinguished, unless the p Activities must comply with CEA Location Re cannot occur on land declared an Aboriginal	munities or areas its exploration on orior consent of the estrictions, Impace Place and activit its exploration on orior consent of the estrictions, Impace place and activit its exploration on orior consent of the estrictions, Impace	s subject to land rights claims. any land or waters on which Native ne Minister has been obtained. It Thresholds and Criteria. Activities ties must not harm Aboriginal Objects. any land or waters on which Native ne Minister has been obtained. It Thresholds and Criteria. Activities
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration	Yes Cultural Impacts: Impacts on Aboriginal com Condition of exploration title/authority prohib Title has not been extinguished, unless the p Activities must comply with CEA Location Re cannot occur on land declared an Aboriginal Any impacts are short term and temporary. Condition of exploration title/authority prohib Title has not been extinguished, unless the p Activities must comply with CEA Location Re	munities or areas its exploration on orior consent of the estrictions, Impace Place and activit its exploration on orior consent of the estrictions, Impace place and activit its exploration on orior consent of the estrictions, Impace	s subject to land rights claims. any land or waters on which Native ne Minister has been obtained. It Thresholds and Criteria. Activities ties must not harm Aboriginal Objects. any land or waters on which Native ne Minister has been obtained. It Thresholds and Criteria. Activities
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking	Yes Cultural Impacts: Impacts on Aboriginal com Condition of exploration title/authority prohib Title has not been extinguished, unless the p Activities must comply with CEA Location Re cannot occur on land declared an Aboriginal Any impacts are short term and temporary. Condition of exploration title/authority prohib Title has not been extinguished, unless the p Activities must comply with CEA Location Re cannot occur on land declared an Aboriginal Short term	munities or areas its exploration on orior consent of the setrictions, Impac Place and activit its exploration on orior consent of the setrictions, Impac Place and activit estrictions, Impac Place and activit	s subject to land rights claims. any land or waters on which Native the Minister has been obtained. It Thresholds and Criteria. Activities ties must not harm Aboriginal Objects. any land or waters on which Native the Minister has been obtained. It Thresholds and Criteria. Activities ties must not harm Aboriginal Objects.
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in	Yes Cultural Impacts: Impacts on Aboriginal com Condition of exploration title/authority prohib Title has not been extinguished, unless the p Activities must comply with CEA Location Re cannot occur on land declared an Aboriginal Any impacts are short term and temporary. Condition of exploration title/authority prohib Title has not been extinguished, unless the p Activities must comply with CEA Location Re cannot occur on land declared an Aboriginal	munities or areas its exploration on orior consent of the setrictions, Impace Place and activit its exploration on orior consent of the setrictions, Impace Place and activit Are further	s subject to land rights claims. any land or waters on which Native ne Minister has been obtained. It Thresholds and Criteria. Activities ties must not harm Aboriginal Objects. any land or waters on which Native ne Minister has been obtained. It Thresholds and Criteria. Activities
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking	Yes Cultural Impacts: Impacts on Aboriginal com Condition of exploration title/authority prohib Title has not been extinguished, unless the p Activities must comply with CEA Location Re cannot occur on land declared an Aboriginal Any impacts are short term and temporary. Condition of exploration title/authority prohib Title has not been extinguished, unless the p Activities must comply with CEA Location Re cannot occur on land declared an Aboriginal Short term	significance Justification for munities or areas its exploration on prior consent of the estrictions, Impace Place and activit its exploration on prior consent of the estrictions, Impace Place and activit Are further studies	s subject to land rights claims. any land or waters on which Native the Minister has been obtained. It Thresholds and Criteria. Activities ties must not harm Aboriginal Objects. any land or waters on which Native the Minister has been obtained. It Thresholds and Criteria. Activities ties must not harm Aboriginal Objects.
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in	Yes Cultural Impacts: Impacts on Aboriginal com Condition of exploration title/authority prohib Title has not been extinguished, unless the p Activities must comply with CEA Location Re cannot occur on land declared an Aboriginal Any impacts are short term and temporary. Condition of exploration title/authority prohib Title has not been extinguished, unless the p Activities must comply with CEA Location Re cannot occur on land declared an Aboriginal Short term	munities or areas its exploration on orior consent of the setrictions, Impace Place and activit its exploration on orior consent of the setrictions, Impace Place and activit Are further	s subject to land rights claims. any land or waters on which Native the Minister has been obtained. It Thresholds and Criteria. Activities ties must not harm Aboriginal Objects. any land or waters on which Native the Minister has been obtained. It Thresholds and Criteria. Activities ties must not harm Aboriginal Objects.
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in	Yes Cultural Impacts: Impacts on Aboriginal com Condition of exploration title/authority prohib Title has not been extinguished, unless the p Activities must comply with CEA Location Re cannot occur on land declared an Aboriginal Any impacts are short term and temporary. Condition of exploration title/authority prohib Title has not been extinguished, unless the p Activities must comply with CEA Location Re cannot occur on land declared an Aboriginal Short term	significance Justification for munities or areas its exploration on prior consent of the estrictions, Impace Place and activit its exploration on prior consent of the estrictions, Impace Place and activit Are further studies	s subject to land rights claims. any land or waters on which Native the Minister has been obtained. It Thresholds and Criteria. Activities ties must not harm Aboriginal Objects. any land or waters on which Native the Minister has been obtained. It Thresholds and Criteria. Activities ties must not harm Aboriginal Objects.
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in	Yes Cultural Impacts: Impacts on Aboriginal com Condition of exploration title/authority prohib Title has not been extinguished, unless the p Activities must comply with CEA Location Re cannot occur on land declared an Aboriginal Any impacts are short term and temporary. Condition of exploration title/authority prohib Title has not been extinguished, unless the p Activities must comply with CEA Location Re cannot occur on land declared an Aboriginal Short term	significance Justification for Justification for Justification for Justification for Justification on Justif	s subject to land rights claims. any land or waters on which Native the Minister has been obtained. It Thresholds and Criteria. Activities ties must not harm Aboriginal Objects. any land or waters on which Native the Minister has been obtained. It Thresholds and Criteria. Activities ties must not harm Aboriginal Objects.
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts?	Cultural Impacts: Impacts on Aboriginal com Condition of exploration title/authority prohib Title has not been extinguished, unless the p Activities must comply with CEA Location Re cannot occur on land declared an Aboriginal Any impacts are short term and temporary. Condition of exploration title/authority prohib Title has not been extinguished, unless the p Activities must comply with CEA Location Re cannot occur on land declared an Aboriginal Short term High	significance Justification for Justification for Justification for Justification for Justification on Justif	s subject to land rights claims. any land or waters on which Native the Minister has been obtained. It Thresholds and Criteria. Activities ties must not harm Aboriginal Objects. any land or waters on which Native the Minister has been obtained. It Thresholds and Criteria. Activities ties must not harm Aboriginal Objects.
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to	Yes Cultural Impacts: Impacts on Aboriginal com Condition of exploration title/authority prohib Title has not been extinguished, unless the p Activities must comply with CEA Location Re cannot occur on land declared an Aboriginal Any impacts are short term and temporary. Condition of exploration title/authority prohib Title has not been extinguished, unless the p Activities must comply with CEA Location Re cannot occur on land declared an Aboriginal Short term	munities or areas its exploration on orior consent of the estrictions, Impace Place and activit its exploration on orior consent of the estrictions, Impace Place and activit Are further studies required on impacts or mitigation? What is the	s subject to land rights claims. any land or waters on which Native the Minister has been obtained. It Thresholds and Criteria. Activities ties must not harm Aboriginal Objects. any land or waters on which Native the Minister has been obtained. It Thresholds and Criteria. Activities ties must not harm Aboriginal Objects.
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Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to	Cultural Impacts: Impacts on Aboriginal com Condition of exploration title/authority prohib Title has not been extinguished, unless the p Activities must comply with CEA Location Re cannot occur on land declared an Aboriginal Any impacts are short term and temporary. Condition of exploration title/authority prohib Title has not been extinguished, unless the p Activities must comply with CEA Location Re cannot occur on land declared an Aboriginal Short term High	significance Justification for Justification for Justification for Justification for Justification for Justification on Justi	s subject to land rights claims. any land or waters on which Native the Minister has been obtained. It Thresholds and Criteria. Activities the must not harm Aboriginal Objects. any land or waters on which Native the Minister has been obtained. It Thresholds and Criteria. Activities the must not harm Aboriginal Objects.
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Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to	Cultural Impacts: Impacts on Aboriginal com Condition of exploration title/authority prohib Title has not been extinguished, unless the p Activities must comply with CEA Location Re cannot occur on land declared an Aboriginal Any impacts are short term and temporary. Condition of exploration title/authority prohib Title has not been extinguished, unless the p Activities must comply with CEA Location Re cannot occur on land declared an Aboriginal Short term High	significance Justification for Justification for Justification for Justification for Justification for Justification on Justi	s subject to land rights claims. any land or waters on which Native the Minister has been obtained. It Thresholds and Criteria. Activities the must not harm Aboriginal Objects. any land or waters on which Native the Minister has been obtained. It Thresholds and Criteria. Activities the must not harm Aboriginal Objects.
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Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	Cultural Impacts: Impacts on Aboriginal com Condition of exploration title/authority prohib Title has not been extinguished, unless the p Activities must comply with CEA Location Re cannot occur on land declared an Aboriginal Any impacts are short term and temporary. Condition of exploration title/authority prohib Title has not been extinguished, unless the p Activities must comply with CEA Location Re cannot occur on land declared an Aboriginal Short term High High Resilience	munities or areas its exploration on orior consent of the estrictions, Impace Place and activit its exploration on orior consent of the estrictions, Impace Place and activit Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	s subject to land rights claims. any land or waters on which Native ne Minister has been obtained. It Thresholds and Criteria. Activities ties must not harm Aboriginal Objects. any land or waters on which Native ne Minister has been obtained. It Thresholds and Criteria. Activities ties must not harm Aboriginal Objects. No
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Proposed management controls	conditions (Exploration Code of Practice: Repracticable after completion of activity (include)	tice: Environmen vant requirements onment (including boriginal or Euro ed areas to be rel ehabilitation). Rel	tal Management) as per the sof this 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			
Application ranking				
What is the confidence in	High	Are further	No	
predicting impacts?		studies required on impacts or mitigation?		
How resilient is the environment to cope with impacts?	N/A	What is the level of public concern?		
Can the impacts be reversed?	N/A	Ranking of potential significance	Low	
Can the impacts be mitigated?	Fully	Justification f	or ranking	
Do the operations comply with	Yes	oustineation i	or ranking	
standards, plans, policies?	165			
Criteria	Land Use Impacts: Any major changes in lai uses.	nd use, including	curtailment of other beneficial land	
Potential impacts	Limited potential for any major changes in land use due to short term and temporary nature of exploration. Negligible impacts and limited to immediate vicinity of site. Areas used for exploration activities, temporarily removed from existing land use/s but no long term impacts (e.g. temporary impacts on productive rural industries, including agriculture). Vegetation removal may remove potential timber resources.			
Proposed management controls	(Exploration Code of Practice: Rehabilitation	ds and Criteria. al Management) a to be rehabilitated n). Rehabilitation	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	High	Are further	No	
predicting impacts?		studies required on impacts or mitigation?		
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public 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			
Criteria	Transportation Impacts: Substantial impacts pedestrian) which alter present patterns of c	irculation or mov	ement.	
Proposed management controls	,	on activity, primar		
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?		

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	Gustinoution	or running		
Criteria	Transportation Impacts: Impacts associated	with direct or ind	irect additional traffic.		
Potential impacts	Short term additional traffic during exploration activity, primarily during set-up/construction stage.				
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					
What is the confidence in	High	Are further	No		
predicting impacts?		studies required on impacts or			
How resilient is the environment to	High Resilience	mitigation? What is the			
cope with impacts?	nigh Resilience	level of public			
0 41 1 42-1	V	concern?	Low		
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	Consistency with applicable local strategic p strategic plans.		nts, regional strategic plans or district		
Potential impacts Proposed management controls	Temporary and short term impact on the land Exploration comprises development that doe				
	associated local, regional and district plans. local strategic planning statements, regional impacts likely and limited to immediate site or relevant legislation, including Mining Act 199 landholder agreement and any compensatio accordance with title conditions (Exploration occur as soon as practicable after completio	strategic plans of the activity. 2 and Petroleum n. All disturbe Code of Practice	or district strategic plans. Minimal Impacts are compensable under In (Onshore) Act 1991. Subject to ed areas to be rehabilitated in Expension (Constant). Rehabilitation to		
Duration	Short term - until land is rehabilitated.	IT OF ACTIVITY (ITICIT	duling sealing of any borelioles).		
Application ranking	Short term - until land is renabilitated.				
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			
cope with impacts?	·	level of public			
Can the impacts be reversed?	Uncertain	concern? Ranking of	Low		
can the impacts be reversed?	Oncertain	potential significance	Low		
Can the impacts be mitigated?	Fully	Justification f	or ranking		
Do the operations comply with standards, plans, policies?	Yes				
Criteria	Matters of National Environmental Significan Environmental Protection and Biodiversity C				
Potential impacts	N/A as activities must comply with CEA Loca Cannot impact on MNES.				
Proposed management controls	Cannot impact on MNES. The "protected Matters - MNES layers - March 5th 2024' Report has identified the potential for 20 Threatened Species and 7 Migratory Species. The company engaged SIA Ecological and Environmental Planning Pty Ltd to conduct a "Threatened Species Impact Assessment for Proposed Drilling at Eastboreholes'. This assessment was provided to DCCEEW for their assessment and the company also attended a pre-referral meeting with DCCEEW for the program. The assessment concludes that there will not be significant impacts to the threatened species listed under the Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act) - The DCCEEW noted the conclusion that impact is unlikely.				
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	
cope with impacts?		level of	
		public	
		concern?	
Can the impacts be reversed?	N/A	Ranking of	
		potential	
		significance	
Can the impacts be mitigated?	N/A	Justification for ranking	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Cumulative Impacts: Cumulative environmer	ental effects with other existing or likely future activities.	
Potential impacts	Only short term and temporary impacts. No significant additional impacts on the environment		
	from past, current and relevant future projects.		
Proposed management controls	Short term impacts predominantly limited to immediate site. Subject to landholder agreement		
	and any compensation. Activities must comply with CEA Location Restrictions, Impact		
	Thresholds and Criteria. Activities must comply with (Exploration Code of Practice:		
	Environmental Management) as per the commitment in the application (APO). Relevant		
	requirements of this Code include minimising all impacts on the environment. All disturbed areas		
	to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation).		
	Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any		
	boreholes).		
Duration	Short term		
Application ranking			
What is the confidence in	High	Are further	No
predicting impacts?		studies	
		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	High Resilience	What is the	
cope with impacts?		level of	
		public	
		concern?	
Can the impacts be reversed?	Yes	Ranking of	Low
μ		potential	
		significance	
Can the impacts be mitigated?	Fully	Justification for ranking	
Do the operations comply with	Yes		<u> </u>
standards, plans, policies?			
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