

Thursday 4 April 2024

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

Crow Mountain | APO0001673

Decision Maker	Monique Meyer
Prepared by	Jenifa Richards
Title	EL 6648 (1992)
Authorised Representative	
Project name	Crow Mountain
Activity type	Complying Exploration Activity

Issue

has sought an activity approval in respect of Crow Mountain, within EL 6648 (1992), at 17km south east of Barraba, NSW

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 , 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 6648 (1992) (granted 19 October 2006 & expires 19 October 2026) to undertake assessable prospecting operations.

The current security deposit held for EL 6648 (1992) is \$10,000.

Previous activity on title for which no approval for rehabilitation having been completed:

1. Three (3) Diamond Drill holes drilled in 2010.

The Part 5 REF assessment has determined that the activity is not likely to significantly affect the environment, including threatened species or ecological communities (or their habitats), or declared areas of outstanding biodiversity value/critical habitat.

Proposed exploration activity

The proposed exploration activity (including details of the site, the existing environment, impact thresholds and impact management) are described in *APPLICATION TO UNDERTAKE ASSESSABLE PROSPECTING OPERATIONS Crow Mountain* 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 , 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 Crow Mountain and any outstanding rehabilitation liabilities will not exceed \$10,000. An assessment of the security deposit required to secure funding for the fulfilment of obligations in relation to Crow Mountain (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.

Summary

Based on the information provided in the APPLICATION TO UNDERTAKE ASSESSABLE PROSPECTING OPERATIONS Crow Mountain 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 for approval has been assessed as being Approve for grant.

Certification

I, Jenifa Richards, 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 Crow Mountain 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 cumulat 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 activit should not result in cumulative PM2.5 emissions exceeding 25 ug/m3 (24hr) or 8 ug/m3 (annual average any occupied residence. d. Vehicle speeds limited to minimise dust. e. Roads watered during high tr			
	any occupied residence. d. Vehicle speeds limited to minimise dust. e. Roads watered during high tr periods. f. Surface disturbance managed in accordance with Blue Book. Impacts of any drilling limi 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 are			
	to be rehabilitated in accordance with title cond Rehabilitation to occur as soon as practicable af boreholes).	litions (Exploration	Code of Practice: Rehabilitation).	
Duration	Short term			
Application ranking	Short term			
What is the confidence in predicting	High	Are further	No	
impacts?	111611	studies	140	
impacts.		required on		
		impacts or		
		mitigation?		
How resilient is the environment to	N/A	What is the	Low	
cope with impacts?		level of public	2011	
		concern?		
Can the impacts be reversed?	Yes	Ranking of	Low	
Can the impact to receive		potential	2011	
		significance		
Can the impacts be mitigated?	Partly			
Do the operations comply with	Yes			
standards, plans, policies?				
Criteria	Air Impacts: Greenhouse or ozone impacts.	•		
Potential impacts	Emissions from combustion of fuel associated w	ith vehicles, plant	and machinery during construction,	
·		•	n intercepted seams. Fugitive	
	emissions of gases or vapour from drilling opera	tions and the oper	ration of flares.	
Proposed management controls	Activities must comply with CEA Location Restric	ctions, Impact Thre	esholds and Criteria. Petroleum exploration	
	activities cannot be a CEA. CO2 emissions fro	om activities are ex	stremely limited and inconsequential in	
			ozone depleting substances in NSW also	
	·		n accordance with title conditions	
	(Exploration Code of Practice: Rehabilitation). R		cur as soon as practicable after	
	completion of activity (including sealing of any b	oreholes).		
Duration	Medium term atmospheric residence.			
Application ranking		1	I	
What is the confidence in predicting	High	Are further	No	
impacts?		studies		
		required on		
		impacts or		
		mitigation?		
How resilient is the environment to	High Resilience	What is the	Low	
cope with impacts?		level of public		
		concern?		
Can the impacts be reversed?	Yes	Ranking of	Low	
		potential		
		significance		
Can the impacts be mitigated?	Partly	Justification for	ranking	
Do the operations comply with	Yes			
standards, plans, policies?				
Criteria	Air Impacts: Additional impacts on areas with de	egraded air quality		
Potential impacts	Potential for temperature inversions in winter to	o trap dust and air	particulates. Wind erosion possible	
· oteritiai iii.paets				
Totalian impacts	·			

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 50 ug/m3 (24hr) or 30 ug/m3 (annual average) at any occupied residence. c. Emissions from the activities should not result in cumulative PM2.5 emissions exceeding 25 ug/m3 (24hr) or 8 ug/m3 (annual average) at any occupied residence. d. Vehicle speeds limited to minimise dust. e. Roads watered during high traffic periods. f. Surface disturbance managed in accordance with Blue Book. Impacts of any drilling limited to immediate vicinity of drilling due to controls set out in 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		
	rehabilitated in accordance with title conditions	(Exploration Code	of Practice: Rehabilitation). Rehabilitation
	to occur as soon as practicable after completion	of activity (includi	ng sealing of any boreholes).
Duration	Short term		
Application ranking			
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No
How resilient is the environment to	High Resilience	What is the	Low
cope with impacts?		level of public concern?	
Can the impacts be reversed?	Yes	Ranking of	Low
		potential	
		significance	
Can the impacts be mitigated?	Partly	Justification for	ranking
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Water Impacts: Impacts from the use of surface	or groundwater.	
Proposed management controls Duration	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. 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 or owner). Boreholes to be constructed, operated and decommissioned in accordance with authority/title conditions, Departmental Guidelines and Codes of Practice to protect groundwater/aquifers. Creeks have minimum 40m buffer to exclude these areas. RC drilling uses minimal water and any water required will be stored on a support truck.		
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?	Low
Can the impacts be reversed?	Yes	Ranking of potential significance	Low
Can the impacts be mitigated?	Fully	Justification for	ranking
Do the operations comply with	Yes		
standards, plans, policies? Criteria	Water Impacts: Impacts from storage of water		
Cittella	water impacts. impacts from storage of water		

Potential impacts	Negligible and only localised impacts from storage available for ecological, stock, domestic or irrigate and changes to flow rates and volumes of a water Generally minimal surface water use (must be like agreements). No use of groundwater but pot excavation operations.	tion purposes. erbody. Surfact censed or use of fa	ater used for exploration temporarily not Generally minimal redirection of flow e runoff can be sediment laden. rm dams through landholder h produced water in drilling / deep
Proposed management controls	Activities must comply with CEA Location Restric	tions, Impact Thre	sholds 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 landh from storage or water).		
Duration	RC drilling uses minimal water and any water red Short term	quirea wiii be store	ed on a support truck.
Application ranking	Short term		
What is the confidence in predicting	High	Are further	No
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?	Low
Can the impacts be reversed?	Yes	Ranking of potential significance	Low
Can the impacts be mitigated?	Fully	Justification for	ranking
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Water Impacts: Impacts from changes to natural		<u> </u>
	Negligible and only localised changes to surface flows rates and volumes. Surface runoff can be sedin laden. Generally minimal surface water use (must be licensed or use of farm dams through landholde agreements). Interception, cross contamination and/or depressurisation of groundwater systems in drilling operations. Groundwater depressurisation effects on surface water.		
Potential impacts	laden. Generally minimal surface water use (agreements). Interception, cross contaminat drilling operations. Groundwater depressurisation	must be licensed on and/or depreson effects on surfa	or use of farm dams through landholder surisation of groundwater systems in ce water.
Proposed management controls	laden. Generally minimal surface water use (agreements). Interception, cross contaminat	must be licensed on and/or depreson effects on surfa	or use of farm dams through landholder surisation of groundwater systems in ce water.
	laden. Generally minimal surface water use (agreements). Interception, cross contaminat drilling operations. Groundwater depressurisation	must be licensed of cion and/or depression effects on surfactions, Impact Three Practice: Environn requirements of the vent causing any a rainage from road	or use of farm dams through landholder surisation of groundwater systems in ce water. sholds and Criteria. nental Management as per the his Code include: dverse impacts on water quality or
•	laden. Generally minimal surface water use (agreements). Interception, cross contaminat drilling operations. Groundwater depressurisation Activities must comply with CEA Location Restrict Activities must comply with Exploration Code of commitment in the application (APO). Relevant a. Activities must implement all measures to prequantity. b. All sediment and erosion controls (including daccordance with Blue Book.	must be licensed of ion and/or depression effects on surfarctions, Impact Three Practice: Environn requirements of the vent causing any arainage from road merever possible. must comply with lanagement, Storalagement of produstored on site (except)	or use of farm dams through landholder surisation of groundwater systems in ce water. Isholds and Criteria. Inental Management as per the his Code include: Idverse impacts on water quality or Is/access tracks) to be managed in Ithe title conditions. In addition, the ge and Transfer applies to inced water, or cluding the management of incidental
Proposed management controls	laden. Generally minimal surface water use (agreements). Interception, cross contaminat drilling operations. Groundwater depressurisation Activities must comply with CEA Location Restrict Activities must comply with Exploration Code of commitment in the application (APO). Relevant a. Activities must implement all measures to prequantity. b. All sediment and erosion controls (including daccordance with Blue Book. c. Existing access tracks to be used/upgraded whater Exploration Code of Practice: Produced Water Mi. petroleum exploration which requires the man ii. activities which require produced water to be groundwater mixed with drilling fluids that can be tanks). RC drilling uses minimal water and any water recomminimum buffer of 40m will be applied to the croprilling area is small, open and generally flat.	must be licensed of ion and/or depression effects on surfactions, Impact Three Practice: Environn requirements of the vent causing any arainage from road merever possible. must comply with lanagement, Storal agement of produstored on site (except temporarily conquired will be stored quired will be stored on site (except temporarily conquired will	or use of farm dams through landholder surisation of groundwater systems in ce water. esholds and Criteria. mental Management as per the nis Code include: idverse impacts on water quality or s/access tracks) to be managed in the title conditions. In addition, the ge and Transfer applies to iced water, or cluding the management of incidental tained in drilling sumps or above ground and on a support truck.
•	laden. Generally minimal surface water use (agreements). Interception, cross contaminat drilling operations. Groundwater depressurisation Activities must comply with CEA Location Restrict Activities must comply with Exploration Code of commitment in the application (APO). Relevant a. Activities must implement all measures to prequantity. b. All sediment and erosion controls (including daccordance with Blue Book. c. Existing access tracks to be used/upgraded whater Exploration Code of Practice: Produced Water Mi. petroleum exploration which requires the man ii. activities which require produced water to be groundwater mixed with drilling fluids that can be tanks). RC drilling uses minimal water and any water recomminimum buffer of 40m will be applied to the crimination.	must be licensed of ion and/or depression effects on surfactions, Impact Three Practice: Environn requirements of the vent causing any arainage from road merever possible. must comply with lanagement, Storal agement of produstored on site (except temporarily conquired will be stored quired will be stored on site (except temporarily conquired will	or use of farm dams through landholder surisation of groundwater systems in ce water. esholds and Criteria. mental Management as per the nis Code include: idverse impacts on water quality or s/access tracks) to be managed in the title conditions. In addition, the ge and Transfer applies to iced water, or cluding the management of incidental tained in drilling sumps or above ground and on a support truck.

What is the confidence in predicting				
_	High	Are further	No	
impacts?		studies		
		required on		
		impacts or		
Have reciliant in the consideration to	High Resilience	mitigation?	1	
How resilient is the environment to	High Resilience	What is the	Low	
cope with impacts?		level of public concern?		
Can the impacts be reversed?	Yes	Ranking of	Low	
can the impacts be reversed:	163	potential	LOW	
		significance		
Can the impacts be mitigated?	Fully	Justification for	ranking	
Do the operations comply with	Yes			
standards, plans, policies?				
Criteria	Water Impacts: Impacts from aquifer interference	ce, including chang	es to inter-aquifer connectivity.	
Potential impacts	No use of groundwater but potential loss throug	h produced water	in drilling / deep excavation operations.	
·	Interception, cross contamination and/or depres	•		
	Groundwater depressurisation effects on surface	e water. Mobil	isation of pollutants (such as	
	hydrocarbons) in surface water or aquifers.			
Proposed management controls	Activities must comply with CEA Location Restric	tions, Impact Thre	sholds and Criteria. Activities must	
	comply with (Exploration Code of Practice: Envir	onmental Manage	ment) as per the commitment in the	
	application (APO). Relevant requirements of this		•	
	to prevent causing any adverse impacts on wate			
	connection of aquifers or groundwater sources.			
	or groundwater sources. d. Coal and petroleun			
	Groundwater Monitoring & Modelling Plan in co			
	constructed, operated and decommissioned in a			
Detia.a		Guidelines and Codes of Practice to protect groundwater/aquifers.		
Duration	Short term			
Application ranking What is the confidence in predicting	High	Are further	No	
impacts?	півп	studies	NO	
impacts:		required on		
		impacts or		
		mitigation?		
How resilient is the environment to	High Resilience	What is the	Low	
cope with impacts?	The resilience	level of public	2011	
		concern?		
Can the impacts be reversed?	Yes	Ranking of	Low	
·		potential		
		significance		
Can the impacts be mitigated?	Fully	Justification for	ranking	
Do the operations comply with	Yes			
standards, plans, policies?				
	Water Impacts: Impacts from changes to floodin	g or tidal regimes.		
Criteria	Water Impacts: Impacts from changes to floodin Negligible and only localised changes to drainage		gime. Surface runoff can be sediment	
Criteria Potential impacts			gime. Surface runoff can be sediment	
Criteria Potential impacts	Negligible and only localised changes to drainage	e flows/flooding re		
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Criteria Potential impacts	Negligible and only localised changes to drainage laden. Activities must comply with CEA Location Restriction comply with (Exploration Code of Practice: Environapplication (APO). Relevant requirements of this to prevent causing any adverse impacts on wate controls (including drainage from roads/access to Existing access tracks to be used/upgraded where water must comply with the title conditions. In Management, Storage and Transfer applies to produced water, or ii. activities which require produced.	e flows/flooding re tions, Impact Thre onmental Manage s Code include: a r quality or quanti racks) to be manage ever possible. addition, the Explo i. petroleum explo produced water to	sholds and Criteria. Activities must ment) as per the commitment in the . Activities must implement all measures ty. b. All sediment and erosion ged in accordance with Blue Book. c. All management and storage of produced ration Code of Practice: Produced Water bration which requires the management of be stored on site (excluding the	
Criteria Potential impacts	Negligible and only localised changes to drainage laden. Activities must comply with CEA Location Restrict comply with (Exploration Code of Practice: Environapplication (APO). Relevant requirements of this to prevent causing any adverse impacts on wate controls (including drainage from roads/access t Existing access tracks to be used/upgraded where water must comply with the title conditions. In Management, Storage and Transfer applies to produced water, or ii. activities which require produced water incidental groundwater mixed water.	e flows/flooding re tions, Impact Thre onmental Manage s Code include: a r quality or quanti racks) to be manage ever possible. addition, the Explo i. petroleum explo produced water to	sholds and Criteria. Activities must ment) as per the commitment in the . Activities must implement all measures ty. b. All sediment and erosion ged in accordance with Blue Book. c. All management and storage of produced ration Code of Practice: Produced Water bration which requires the management of be stored on site (excluding the	
Criteria Potential impacts Proposed management controls	Negligible and only localised changes to drainage laden. Activities must comply with CEA Location Restric comply with (Exploration Code of Practice: Envir application (APO). Relevant requirements of this to prevent causing any adverse impacts on wate controls (including drainage from roads/access t Existing access tracks to be used/upgraded wher water must comply with the title conditions. In Management, Storage and Transfer applies to produced water, or ii. activities which require pranagement of incidental groundwater mixed with drilling sumps or above ground tanks).	e flows/flooding re tions, Impact Thre onmental Manage s Code include: a r quality or quanti racks) to be manage ever possible. addition, the Explo i. petroleum explo produced water to	sholds and Criteria. Activities must ment) as per the commitment in the . Activities must implement all measures ty. b. All sediment and erosion ged in accordance with Blue Book. c. All management and storage of produced ration Code of Practice: Produced Water bration which requires the management of be stored on site (excluding the	
Criteria Potential impacts Proposed management controls Duration	Negligible and only localised changes to drainage laden. Activities must comply with CEA Location Restrict comply with (Exploration Code of Practice: Environapplication (APO). Relevant requirements of this to prevent causing any adverse impacts on wate controls (including drainage from roads/access t Existing access tracks to be used/upgraded where water must comply with the title conditions. In Management, Storage and Transfer applies to produced water, or ii. activities which require produced water incidental groundwater mixed water.	e flows/flooding re tions, Impact Thre onmental Manage s Code include: a r quality or quanti racks) to be manage ever possible. addition, the Explo i. petroleum explo produced water to	sholds and Criteria. Activities must ment) as per the commitment in the . Activities must implement all measures ty. b. All sediment and erosion ged in accordance with Blue Book. c. All management and storage of produced ration Code of Practice: Produced Water bration which requires the management of be stored on site (excluding the	
Criteria Potential impacts Proposed management controls Duration Application ranking	Negligible and only localised changes to drainage laden. Activities must comply with CEA Location Restric comply with (Exploration Code of Practice: Envir application (APO). Relevant requirements of this to prevent causing any adverse impacts on wate controls (including drainage from roads/access t Existing access tracks to be used/upgraded wher water must comply with the title conditions. In a Management, Storage and Transfer applies to produced water, or ii. activities which require a management of incidental groundwater mixed we drilling sumps or above ground tanks). Short term	e flows/flooding re tions, Impact Thre onmental Manage s Code include: a r quality or quanti racks) to be manage ever possible. addition, the Explo i. petroleum explo produced water to with drilling fluids t	sholds and Criteria. Activities must ment) as per the commitment in the . Activities must implement all measures ty. b. All sediment and erosion ged in accordance with Blue Book. c. All management and storage of produced ration Code of Practice: Produced Water wration which requires the management of be stored on site (excluding the hat can be temporarily contained in	
Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting	Negligible and only localised changes to drainage laden. Activities must comply with CEA Location Restric comply with (Exploration Code of Practice: Envir application (APO). Relevant requirements of this to prevent causing any adverse impacts on wate controls (including drainage from roads/access t Existing access tracks to be used/upgraded wher water must comply with the title conditions. In Management, Storage and Transfer applies to produced water, or ii. activities which require pranagement of incidental groundwater mixed with drilling sumps or above ground tanks).	e flows/flooding re etions, Impact Thre onmental Manage s Code include: a r quality or quantit racks) to be manage ever possible. addition, the Explo i. petroleum explo oroduced water to with drilling fluids t	sholds and Criteria. Activities must ment) as per the commitment in the . Activities must implement all measures ty. b. All sediment and erosion ged in accordance with Blue Book. c. All management and storage of produceration Code of Practice: Produced Water wration which requires the management of be stored on site (excluding the	
Criteria Potential impacts Proposed management controls Duration Application ranking	Negligible and only localised changes to drainage laden. Activities must comply with CEA Location Restric comply with (Exploration Code of Practice: Envir application (APO). Relevant requirements of this to prevent causing any adverse impacts on wate controls (including drainage from roads/access t Existing access tracks to be used/upgraded wher water must comply with the title conditions. In a Management, Storage and Transfer applies to produced water, or ii. activities which require a management of incidental groundwater mixed we drilling sumps or above ground tanks). Short term	e flows/flooding re etions, Impact Thre conmental Manage s Code include: a r quality or quantit racks) to be manage ever possible. addition, the Explo i. petroleum explo produced water to with drilling fluids t Are further studies	sholds and Criteria. Activities must ment) as per the commitment in the . Activities must implement all measures ty. b. All sediment and erosion ged in accordance with Blue Book. c. All management and storage of produced ration Code of Practice: Produced Water wration which requires the management of be stored on site (excluding the hat can be temporarily contained in	
Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting	Negligible and only localised changes to drainage laden. Activities must comply with CEA Location Restric comply with (Exploration Code of Practice: Envir application (APO). Relevant requirements of this to prevent causing any adverse impacts on wate controls (including drainage from roads/access t Existing access tracks to be used/upgraded wher water must comply with the title conditions. In a Management, Storage and Transfer applies to produced water, or ii. activities which require a management of incidental groundwater mixed we drilling sumps or above ground tanks). Short term	e flows/flooding re etions, Impact Thre conmental Manage s Code include: a r quality or quantit racks) to be manage ever possible. addition, the Explo i. petroleum explo oroduced water to with drilling fluids t Are further studies required on	sholds and Criteria. Activities must ment) as per the commitment in the . Activities must implement all measures ty. b. All sediment and erosion ged in accordance with Blue Book. c. All management and storage of produced ration Code of Practice: Produced Water wration which requires the management of be stored on site (excluding the hat can be temporarily contained in	
Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting	Negligible and only localised changes to drainage laden. Activities must comply with CEA Location Restric comply with (Exploration Code of Practice: Envir application (APO). Relevant requirements of this to prevent causing any adverse impacts on wate controls (including drainage from roads/access t Existing access tracks to be used/upgraded wher water must comply with the title conditions. In a Management, Storage and Transfer applies to produced water, or ii. activities which require a management of incidental groundwater mixed we drilling sumps or above ground tanks). Short term	e flows/flooding re etions, Impact Thre conmental Manage s Code include: a r quality or quantitracks) to be manage ever possible. addition, the Exploit. beto petroleum exploit. coroduced water to with drilling fluids to Are further studies required on impacts or	sholds and Criteria. Activities must ment) as per the commitment in the . Activities must implement all measures by. b. All sediment and erosion ged in accordance with Blue Book. c. All management and storage of produced ration Code of Practice: Produced Water wration which requires the management of be stored on site (excluding the hat can be temporarily contained in	
Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts?	Negligible and only localised changes to drainage laden. Activities must comply with CEA Location Restrict comply with (Exploration Code of Practice: Environapplication (APO). Relevant requirements of this to prevent causing any adverse impacts on wate controls (including drainage from roads/access to Existing access tracks to be used/upgraded where water must comply with the title conditions. In Management, Storage and Transfer applies to produced water, or ii. activities which require produced water of incidental groundwater mixed with drilling sumps or above ground tanks). Short term	e flows/flooding restions, Impact Three onmental Manage is Code include: a requality or quantiferacks) to be manage ever possible. In addition, the Exploit is petroleum exploit or duced water to with drilling fluids to the compacts or mitigation?	sholds and Criteria. Activities must ment) as per the commitment in the . Activities must implement all measures ty. b. All sediment and erosion ged in accordance with Blue Book. c. All management and storage of produced ration Code of Practice: Produced Water bration which requires the management of be stored on site (excluding the hat can be temporarily contained in	
Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting	Negligible and only localised changes to drainage laden. Activities must comply with CEA Location Restric comply with (Exploration Code of Practice: Envir application (APO). Relevant requirements of this to prevent causing any adverse impacts on wate controls (including drainage from roads/access t Existing access tracks to be used/upgraded wher water must comply with the title conditions. In a Management, Storage and Transfer applies to produced water, or ii. activities which require a management of incidental groundwater mixed we drilling sumps or above ground tanks). Short term	e flows/flooding re etions, Impact Thre conmental Manage s Code include: a r quality or quantitracks) to be manage ever possible. addition, the Exploit. beto petroleum exploit. coroduced water to with drilling fluids to Are further studies required on impacts or	sholds and Criteria. Activities must ment) as per the commitment in the . Activities must implement all measures ty. b. All sediment and erosion ged in accordance with Blue Book. c. All management and storage of produced ration Code of Practice: Produced Water wration which requires the management of be stored on site (excluding the hat can be temporarily contained in	

Can the impacts be mitigated? Fit Do the operations comply with standards, plans, policies? Criteria W Potential impacts Sign Company of the proposed management controls A Proposed management controls A Company of the proposed management controls A Compan	vehicle wash. Inappropriate disposal of drillin Activities must comply with CEA Location Restriction and the comply with (Exploration Code of Practice: Environ application (APO). Relevant requirements of this to prevent causing any adverse impacts on wate	able for ecological swhere vegetation use of farm dams to roduced water in consurtation of ground water. Mobili Ford across creeksing wastes / overflottions, Impact Thre	uality and quantity. I, stock, domestic or irrigation purposes. In has been removed. Generally Inhrough landholder agreements). No drilling / deep excavation operations. Indwater systems in drilling operations. Isation of pollutants (such as
Do the operations comply with standards, plans, policies? Criteria W Potential impacts S In G Proposed management controls A CC CC CC CC CC CC CC CC CC	Water Impacts: Impacts from changes in surface Water used for exploration temporarily not avail Surface runoff can be sediment laden from areas minimal surface water use (must be licensed or use of groundwater but potential loss through pointerception, cross contamination and/or depression depressurisation effects on surface hydrocarbons) in surface water or aquifers. Inappropriate disposal of drilling Activities must comply with CEA Location Restrict comply with (Exploration Code of Practice: Environapplication (APO). Relevant requirements of this to prevent causing any adverse impacts on wate	significance Justification for or groundwater q able for ecological s where vegetation use of farm dams t roduced water in c surisation of ground water. Mobili Ford across creeks ng wastes / overflo	uality and quantity. I, stock, domestic or irrigation purposes. In has been removed. Generally Inhrough landholder agreements). No drilling / deep excavation operations. Indwater systems in drilling operations. Isation of pollutants (such as
Do the operations comply with standards, plans, policies? Criteria W Potential impacts S In G Proposed management controls A CC al tc CC GG Ge el	Water Impacts: Impacts from changes in surface Water used for exploration temporarily not avail Surface runoff can be sediment laden from areas minimal surface water use (must be licensed or use of groundwater but potential loss through pointerception, cross contamination and/or depression depressurisation effects on surface hydrocarbons) in surface water or aquifers. Inappropriate disposal of drilling Activities must comply with CEA Location Restrict comply with (Exploration Code of Practice: Environapplication (APO). Relevant requirements of this to prevent causing any adverse impacts on wate	or groundwater q able for ecological s where vegetation use of farm dams t roduced water in c surisation of groun we water. Mobili Ford across creeks ng wastes / overflo	uality and quantity. I, stock, domestic or irrigation purposes. In has been removed. Generally Inhrough landholder agreements). No drilling / deep excavation operations. Indwater systems in drilling operations. Isation of pollutants (such as
Do the operations comply with standards, plans, policies? Criteria W Potential impacts S In G Proposed management controls A CC CC CC CC CC CC CC CC CC	Water Impacts: Impacts from changes in surface Water used for exploration temporarily not avail Surface runoff can be sediment laden from areas minimal surface water use (must be licensed or use of groundwater but potential loss through pointerception, cross contamination and/or depression depressurisation effects on surface hydrocarbons) in surface water or aquifers. Inappropriate disposal of drilling Activities must comply with CEA Location Restrict comply with (Exploration Code of Practice: Environapplication (APO). Relevant requirements of this to prevent causing any adverse impacts on wate	or groundwater q able for ecological s where vegetation use of farm dams t roduced water in c surisation of groun water. Mobili Ford across creeks ng wastes / overflot tions, Impact Thre	uality and quantity. I, stock, domestic or irrigation purposes. In has been removed. Generally Identify through landholder agreements). No Idrilling / deep excavation operations. Indwater systems in drilling operations. Issation of pollutants (such as
standards, plans, policies? Criteria W Potential impacts S SI III G h VI Proposed management controls A CC al tc CC OI G G et	Water Impacts: Impacts from changes in surface Water used for exploration temporarily not avail Surface runoff can be sediment laden from areas minimal surface water use (must be licensed or use of groundwater but potential loss through p interception, cross contamination and/or depres Groundwater depressurisation effects on surface hydrocarbons) in surface water or aquifers. wehicle wash. Inappropriate disposal of drillin Activities must comply with CEA Location Restrict comply with (Exploration Code of Practice: Envir application (APO). Relevant requirements of this to prevent causing any adverse impacts on wate	able for ecological swhere vegetation use of farm dams to roduced water in consurtation of ground water. Mobili Ford across creeksing wastes / overflottions, Impact Thre	l, stock, domestic or irrigation purposes. h has been removed. Generally through landholder agreements). No drilling / deep excavation operations. hdwater systems in drilling operations. isation of pollutants (such as
Potential impacts Signary unit of the control of	Water used for exploration temporarily not avail Surface runoff can be sediment laden from areas minimal surface water use (must be licensed or use of groundwater but potential loss through pinterception, cross contamination and/or depression depressurisation effects on surface hydrocarbons) in surface water or aquifers. Inappropriate disposal of drilling Activities must comply with CEA Location Restriction (APO). Relevant requirements of this to prevent causing any adverse impacts on wate	able for ecological swhere vegetation use of farm dams to roduced water in consurtation of ground water. Mobili Ford across creeksing wastes / overflottions, Impact Thre	l, stock, domestic or irrigation purposes. h has been removed. Generally through landholder agreements). No drilling / deep excavation operations. hdwater systems in drilling operations. isation of pollutants (such as
Proposed management controls A CC a tc CC CC CC CC CC CC CC CC CC	Surface runoff can be sediment laden from areas minimal surface water use (must be licensed or use of groundwater but potential loss through platerception, cross contamination and/or depressor depressor of surface hydrocarbons) in surface water or aquifers. Vehicle wash. Inappropriate disposal of drilling Activities must comply with CEA Location Restriction (APO). Relevant requirements of this to prevent causing any adverse impacts on wate	s where vegetation use of farm dams t roduced water in c surisation of groun water. Mobili Ford across creeks ng wastes / overflo tions, Impact Thre	n has been removed. Generally chrough landholder agreements). No drilling / deep excavation operations. Industrial numbers of pollutants (such as a cause stream bank erosion from
Proposed management controls A CC a tc CC CC CC CC CC CC CC CC CC	minimal surface water use (must be licensed or use of groundwater but potential loss through the control of	use of farm dams to roduced water in consurisation of ground water. Mobilified across creeks ng wastes / overflottions, Impact Thre	through landholder agreements). No drilling / deep excavation operations. ndwater systems in drilling operations. isation of pollutants (such as a cause stream bank erosion from
Proposed management controls A CC a tc CC CC CC CC CC CC CC CC CC	use of groundwater but potential loss through p interception, cross contamination and/or depres Groundwater depressurisation effects on surface hydrocarbons) in surface water or aquifers. Wehicle wash. Inappropriate disposal of drillin Activities must comply with CEA Location Restrict comply with (Exploration Code of Practice: Envir application (APO). Relevant requirements of this to prevent causing any adverse impacts on wate	roduced water in c ssurisation of groun e water. Mobili Ford across creeks ng wastes / overflo tions, Impact Thre	drilling / deep excavation operations. ndwater systems in drilling operations. isation of pollutants (such as can cause stream bank erosion from
Proposed management controls A CC a tc CC CC CC CC CC CC CC CC CC	Interception, cross contamination and/or depression defects on surface in the following surface water or aquifers. Inappropriate disposal of drilling surface water or aquifers. Inappropriate disposal of drilling surface water or aquifers. Activities must comply with CEA Location Restrict comply with (Exploration Code of Practice: Envirgapplication (APO). Relevant requirements of this to prevent causing any adverse impacts on wate	surisation of groun water. Mobili Ford across creeks ng wastes / overflo tions, Impact Thre	ndwater systems in drilling operations. isation of pollutants (such as can cause stream bank erosion from
Proposed management controls A CC a tc CC OI G G el	Groundwater depressurisation effects on surface hydrocarbons) in surface water or aquifers. vehicle wash. Inappropriate disposal of drillin Activities must comply with CEA Location Restrict comply with (Exploration Code of Practice: Envirapplication (APO). Relevant requirements of this to prevent causing any adverse impacts on wate	e water. Mobili Ford across creeks ng wastes / overflo tions, Impact Thre	isation of pollutants (such as s can cause stream bank erosion from
Proposed management controls A CC al tc CC G G el	hydrocarbons) in surface water or aquifers. vehicle wash. Inappropriate disposal of drillin Activities must comply with CEA Location Restriction properties: Environapply with (Exploration Code of Practice: Environapplication (APO). Relevant requirements of this to prevent causing any adverse impacts on wate	Ford across creeks ng wastes / overflo tions, Impact Thre	can cause stream bank erosion from
Proposed management controls A CC al tc CC G G el	wehicle wash. Inappropriate disposal of drillin Activities must comply with CEA Location Restriction and the comply with (Exploration Code of Practice: Envirus application (APO). Relevant requirements of this to prevent causing any adverse impacts on wate	ng wastes / overflo tions, Impact Thre	
Proposed management controls A CC a tc CC O G G e	Activities must comply with CEA Location Restric comply with (Exploration Code of Practice: Envir application (APO). Relevant requirements of this to prevent causing any adverse impacts on wate	tions, Impact Thre	w irom arming samps.
cc al tc cc ol G	comply with (Exploration Code of Practice: Envir application (APO). Relevant requirements of this to prevent causing any adverse impacts on wate		
a tc cc o G e	application (APO). Relevant requirements of this to prevent causing any adverse impacts on wate	onmental Manage	
cc o G ei		_	
O G e		r quality or quantit	ty. b. Activities must minimise cross
G e	connection of aquifers or groundwater sources.	c. Activities must	minimise any depressurisation of aquifers
e	or groundwater sources. d. Coal and petroleun		
	erosion controls to be in accordance with Blue B	ook to minimise of	it-site impacts.
	Short term		
Application ranking What is the confidence in predicting H	High	Are further	No
impacts?	підії	studies	NO
impacts:		required on	
		impacts or	
		mitigation?	
How resilient is the environment to H	High Resilience	What is the	Low
cope with impacts?		level of public	
		concern?	
Can the impacts be reversed?	Yes	Ranking of	Low
		potential	
Con the immediate he mitigated 2	F. II.	significance	
·	Fully Yes	Justification for	ranking
standards, plans, policies?	165		
	Soil & Stability Impacts: Degradation of soil quali	ty (including conta	amination, salinisation or acidification).
Potential impacts So	Soil erosion and sediment laden runoff from dist	urbed areas / area	us where vegetation has been removed.
•	Mobilisation of pollutants (such as hydrocarbons	s) in soils. Inap	propriate disposal of drilling wastes /
0	overflow from drilling sumps. Exposure of a	cid sulfate soils.	Soil compaction from
Cr	construction/operations. Impacts on land wi	th high agricultura	l capability.
	Activities must comply with CEA Location Restric		
	comply with (Exploration Code of Practice: Envir	_	
	application (APO). Relevant requirements of this		
	surface disturbance. b. Prevent causing any lan b. All sediment and erosion controls (including d		•
	accordance with Blue Book. c. Existing access t	0	, ,
	on sumps and management of chemicals to sign	•	
	of produced water must comply with the title co	•	
	Produced Water Management, Storage and Trar		
m	management of produced water, or ii. activitie	s which require pro	oduced water to be stored on site
(6	(excluding the management of incidental ground	lwater mixed with	drilling fluids that can be temporarily
	contained in drilling sumps or above ground tanl	•	ed areas to be rehabilitated in accordance
	with title conditions (Exploration Code of Practic		
	practicable after completion of activity (including	g sealing of any bo	renoies).
	Short term		
Application ranking What is the confidence in predicting H	High	Are further	No
impacts?	₆	studies	
impacts:		required on	
		impacts or	
		mitigation?	
How resilient is the environment to H	High Resilience	What is the	Low
cope with impacts?		level of public	
		concern?	1

Can the impacts be reversed?	Yes	Ranking of potential significance	Low
Can the impacts be mitigated?	Fully	Justification for	ranking
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Soil & Stability Impacts: Impacts on land with hig	h agricultural capa	ability.
Potential impacts	Areas used for exploration activities, access track	ks, etc temporarily	not available for agricultural production.
	Temporary loss of use of land. Mobilisation Inappropriate disposal of drilling wastes / overflow fertilisers or other chemicals have the potential and water. Short term noise, air quality and from disturbed areas, that could lead to soil or wacid sulfate soils. Spread of weeds, pest anim / livestock operations.	ow from drilling su to build up residue visual impacts. vater contaminatio	es in the environment, including in soils Soil erosion and sediment laden runoff on or land degradation. Exposure of
Proposed management controls	Activities must comply with CEA Location Restric	tions, Impact Thre	esholds and Criteria.
	Activities must comply with (Exploration Code of commitment in the application (APO). Relevant impacts on the environment (including livestock and use of above-ground sumps required on BSA Impacts limited to activity site and subject to conditional disturbed areas to be rehabilitated in accordance.	requirements of the protection, control of the protection, control of the protection and language with title control of the protection and language with the protection a	his Code include minimising potential of of weeds, pest animals, diseases, etc - ndholder access arrangements. ditions (Exploration Code of Practice:
	Rehabilitation). Rehabilitation to occur as soon a of any boreholes). Drilling area is not land with high agricultural cap		
Duration	Short term		
Application ranking			
What is the confidence in predicting	High	Are further	No
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?	Low
Can the impacts be reversed?	Yes	Ranking of potential significance	Low
Can the impacts be mitigated?	Fully	Justification for	ranking
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Soil & Stability Impacts: Loss of soil from wind or		
Potential impacts	Increased risk of erosion where vegetation has b		Potential erosion of disturbed areas.
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 was c. All sediment and erosion controls (including drainage from roads/access tracks) to be managed in accordance with Blue Book. d. Existing access tracks to be used/upgraded wherever possible. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including seal of any boreholes).		
Duration	Short term		
Application ranking			Γ
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?	Low
Can the impacts be reversed?	Yes	Ranking of potential significance	Low

Can the impacts be mitigated?	Fully	Justification for	ranking
Do the operations comply with	Yes	- 200	
standards, plans, policies?			
Criteria	Soil & Stability Impacts: Loss of structural integri	ty of the soil.	
Potential impacts	Soil compaction from access traffic, use of plant	•	Soil erosion from disturbed areas / areas
		· · · · · · · · · · · · · · · · · · ·	ts (such as hydrocarbons) in soils.
Proposed management controls	Activities must comply with CEA Location Restric		
	comply with (Exploration Code of Practice: Envir application (APO). Relevant requirements of this	_	* *
	surface disturbance. b. Prevent causing any lar		5 5
	b. All sediment and erosion controls (including d		
	accordance with Blue Book. c. Existing access t		
	on sumps and management of chemicals to sign	•	
	rehabilitated in accordance with title conditions		
	to occur as soon as practicable after completion of any access tracks which need to be rehabilitated.		
	limited due to low traffic numbers and short term		
Duration	Short term	III Hature of exploi	ation.
Application ranking			
What is the confidence in predicting	High	Are further	No
impacts?		studies	
		required on	
		impacts or	
How resilient is the environment to	High Resilience	mitigation? What is the	Low
cope with impacts?	riigii kesiilerice	level of public	LOW
cope min impacts.		concern?	
Can the impacts be reversed?	Yes	Ranking of	Low
		potential	
		significance	
Can the impacts be mitigated?	Fully	Justification for	ranking
Do the operations comply with	Yes		
standards, plans, policies? Criteria	Soil & Stability Impacts: Increased land instability	 v with high risks fr	om land slides or subsidence
Potential impacts	1 1	=	areas where vegetation has been
	· ·	· · · · · · · · · · · · · · · · · · ·	d movements associated with the activity,
	extraction of groundwater, etc.		·-
Proposed management controls	Activities must comply with CEA Location Restric		
	comply with (Exploration Code of Practice: Envir	_	, ·
	application (APO). Relevant requirements of this		
	surface disturbance. b. Prevent causing any lar c. All sediment and erosion controls (including d		
	accordance with Blue Book (includes controls to	•	, ,
	used/upgraded wherever possible. e. Controls		
	reduce risk to soils. All disturbed areas to be	rehabilitated in ad	ccordance with title conditions
	(Exploration Code of Practice: Rehabilitation). Re	ehabilitation to occ	cur as soon as practicable after completion
	of activity (including sealing of any boreholes).		
Duration Application ranking	Short term		
Application ranking What is the confidence in predicting	High	Are further	No
impacts?	Tilgii	studies	NO
		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	High Resilience	What is the	Low
cope with impacts?		level of public	
Con the immediate be made to 12	Voc	concern?	Low
Can the impacts be reversed?	Yes	Ranking of potential	Low
		significance	
Can the impacts be mitigated?	Fully	Justification for	ranking
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Noise & Vibration Impacts: Results in increased i	noise or vibration.	

Potential impacts	Noise from vehicles, plant and machinery results in unacceptable impacts on nearby sensitive receivers, such as residences, educational establishments, medical facilities, places of worship, animal boarding/training establishments, intensive livestock agriculture, etc. Percussion drilling can have localised vibration impacts. Drilling unlikely to cause vibration impacts. Shots have vibration and overpressure impacts which may impact vibration sensitive sites. Vibroseis machinery has vibration impacts which may		
	impact vibration sensitive sites.	Vibroseis machine	ery has vibration impacts which may
Proposed management controls	Activities must comply with CEA Location Restric	ctions, Impact Thre	esholds and Criteria.
	Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Implementing all practicable measures to ensure noise levels meet acceptable criteria for sensitive receivers. b. Notifying potentially affected landholders at least 24hrs prior to detonating explosives. c. Compliance with Interim Construction Noise Guidelines and/or EPL and/or landholder agreements. d. Ground vibration thresholds limited to 5 mm/s (peak particle velocity) at any residence/sensitive receive. Ground vibration thresholds limited to 3 mm/s for any item of Aboriginal / European heritage significant or cliff line greater than 4m in height. f. Vibrating machinery not to be used within 200m of sensitive receivers, item/place of Aboriginal / European heritage significance or any cliff line greater than 4m in height. Impacts limited to immediate vicinity of exploration activity.		
	impacts limited to immediate vicinity of explorat	tion activity.	
	No drilling between August and January for bree	eding time of Critic	ally Endangered Regent Honeyeater.
Duration Application resulting	Short term		
Application ranking What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?	Low
Can the impacts be reversed?	Yes	Ranking of potential significance	Low
Can the impacts be mitigated?	Fully	Justification for	ranking
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Noise & Vibration Impacts: Affects sensitive rece	-	
Potential impacts	Noise from vehicles, plant and machinery results as residences, educational establishments, medi establishments, intensive livestock agriculture, e impacts. Drilling unlikely to cause vibration i which may impact vibration sensitive sites. impact vibration sensitive sites.	cal facilities, place etc. Percussion impacts . Shot Vibroseis machine	s of worship, animal boarding/training drilling can have localised vibration s have vibration and overpressure impacts ery has vibration impacts which may
Proposed management controls	impact vibration sensitive sites. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Implementing all practicable measures to ensure noise levels meet acceptable criteria for sensitive receivers. b. Notifying potentially affected landholders at least 24hrs prior to detonating explosives. c. Compliance with Interim Construction Noise Guidelines and/or EPL and/or landholder agreements. d. Ground vibration thresholds limited to 5 mm/s (peak particle velocity) at any residence/sensitive receive e. Ground vibration thresholds limited to 3 mm/s for any item of Aboriginal / European heritage significance or cliff line greater than 4m in height. f. Vibrating machinery not to be used within 200m of sensitive receivers, item/place of Aboriginal / Europe heritage significance or any cliff line greater than 4m in height. Impacts limited to immediate vicinity of exploration activity. Nearest known sensitive receiver is approximately 1km away from drill area. No drilling to occur between August and January - breeding season for Critically Endangered Regent Honeyeater.		
Duration	e. Ground vibration thresholds limited to 3 mm/ or cliff line greater than 4m in height. f. Vibrating machinery not to be used within 200 heritage significance or any cliff line greater than Impacts limited to immediate vicinity of explorat Nearest known sensitive receiver is approximate No drilling to occur between August and January	s for any item of A on of sensitive recont the sensitive recont the sensitive recont the sensitive recont the sensitive recontractivity. Sely 1km away from	aboriginal / European heritage significance eivers, item/place of Aboriginal / European drill area.

What is the confidence in predicting	High	Are further	No
impacts?		studies	
		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	High Resilience	What is the	Low
	Tilgii kesillerice		LOW
cope with impacts?		level of public	
		concern?	
Can the impacts be reversed?	Yes	Ranking of	Low
		potential	
		significance	
Can the impacts be mitigated?	Fully	Justification for	ranking
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Coastal Location & Processes: Affects coastal pro	resses and coasta	I hazards including those under projected
	climate change conditions.		
Data atial impacts	-		andrata anastal anasian (visina ana lavala
Potential impacts	Activities along the coastline / floodways have the		
	and increased storm activity under projected cli	mate change condi	tions could result in increased erosion
	along the coastline / floodways).		
Proposed management controls	Activities must comply with CEA Location Restric	ctions, Impact Thre	sholds and Criteria.
	Activities must comply with (Exploration Code o	f Practice: Environi	mental Management) as per the
	commitment in the application (APO). Relevant		
	a. Activities must implement all measures to pre	-	
		vent causing any a	averse impacts on water quality of
	quantity.		. /
	b. All sediment and erosion controls (including d	rainage from road	s/access tracks) to be managed in
	accordance with Blue Book.		
	CO2 emissions from activities are extremely limi	ted and inconsequ	ential in context of global emissions and
	impact.		
	·		
	Postrictions on use of azona depleting substans		
	restrictions on use of ozone depleting substance	es in NSW also limi	ts ozone depletion.
	Restrictions on use of ozone depleting substance	es in NSW also limi	ts ozone depletion.
	-		·
	All disturbed areas to be rehabilitated in accorda	ance with title cond	ditions (Exploration Code of Practice:
	All disturbed areas to be rehabilitated in accordance Rehabilitation). Rehabilitation to occur as soon a	ance with title cond	ditions (Exploration Code of Practice:
	All disturbed areas to be rehabilitated in accorda	ance with title cond	ditions (Exploration Code of Practice:
	All disturbed areas to be rehabilitated in accordance Rehabilitation). Rehabilitation to occur as soon a of any boreholes).	ance with title cond	ditions (Exploration Code of Practice:
	All disturbed areas to be rehabilitated in accordance Rehabilitation). Rehabilitation to occur as soon a	ance with title cond	ditions (Exploration Code of Practice:
Duration	All disturbed areas to be rehabilitated in accordance Rehabilitation). Rehabilitation to occur as soon a of any boreholes).	ance with title cond	ditions (Exploration Code of Practice:
	All disturbed areas to be rehabilitated in accordance Rehabilitation). Rehabilitation to occur as soon a of any boreholes). Not occuring in coastal area.	ance with title cond	ditions (Exploration Code of Practice:
Application ranking	All disturbed areas to be rehabilitated in accordance Rehabilitation). Rehabilitation to occur as soon a of any boreholes). Not occuring in coastal area. Short term	ance with title cond	ditions (Exploration Code of Practice:
Application ranking What is the confidence in predicting	All disturbed areas to be rehabilitated in accordance Rehabilitation). Rehabilitation to occur as soon a of any boreholes). Not occuring in coastal area.	ance with title cond as practicable after Are further	ditions (Exploration Code of Practice: completion of activity (including sealing
Application ranking	All disturbed areas to be rehabilitated in accordance Rehabilitation). Rehabilitation to occur as soon a of any boreholes). Not occuring in coastal area. Short term	Are further studies	ditions (Exploration Code of Practice: completion of activity (including sealing
Application ranking What is the confidence in predicting	All disturbed areas to be rehabilitated in accordance Rehabilitation). Rehabilitation to occur as soon a of any boreholes). Not occuring in coastal area. Short term	Are further studies required on	ditions (Exploration Code of Practice: completion of activity (including sealing
Application ranking What is the confidence in predicting	All disturbed areas to be rehabilitated in accordance Rehabilitation). Rehabilitation to occur as soon a of any boreholes). Not occuring in coastal area. Short term	Are further studies required on impacts or	ditions (Exploration Code of Practice: completion of activity (including sealing
Application ranking What is the confidence in predicting	All disturbed areas to be rehabilitated in accordance Rehabilitation). Rehabilitation to occur as soon a of any boreholes). Not occuring in coastal area. Short term High	Are further studies required on	ditions (Exploration Code of Practice: completion of activity (including sealing
Application ranking What is the confidence in predicting	All disturbed areas to be rehabilitated in accordance Rehabilitation). Rehabilitation to occur as soon a of any boreholes). Not occuring in coastal area. Short term	Are further studies required on impacts or	ditions (Exploration Code of Practice: completion of activity (including sealing
Application ranking What is the confidence in predicting impacts?	All disturbed areas to be rehabilitated in accordance Rehabilitation). Rehabilitation to occur as soon a of any boreholes). Not occuring in coastal area. Short term High	Are further studies required on impacts or mitigation?	ditions (Exploration Code of Practice: completion of activity (including sealing
Application ranking What is the confidence in predicting impacts? How resilient is the environment to	All disturbed areas to be rehabilitated in accordance Rehabilitation). Rehabilitation to occur as soon a of any boreholes). Not occuring in coastal area. Short term High	Are further studies required on impacts or mitigation? What is the level of public	ditions (Exploration Code of Practice: completion of activity (including sealing
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	All disturbed areas to be rehabilitated in accordance Rehabilitation). Rehabilitation to occur as soon a of any boreholes). Not occuring in coastal area. Short term High High Resilience	Are further studies required on impacts or mitigation? What is the level of public concern?	ditions (Exploration Code of Practice: completion of activity (including sealing No
Application ranking What is the confidence in predicting impacts? How resilient is the environment to	All disturbed areas to be rehabilitated in accordance Rehabilitation). Rehabilitation to occur as soon a of any boreholes). Not occuring in coastal area. Short term High	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of	ditions (Exploration Code of Practice: completion of activity (including sealing
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	All disturbed areas to be rehabilitated in accordance Rehabilitation). Rehabilitation to occur as soon a of any boreholes). Not occuring in coastal area. Short term High High Resilience	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	ditions (Exploration Code of Practice: completion of activity (including sealing No
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed?	All disturbed areas to be rehabilitated in accordance Rehabilitation). Rehabilitation to occur as soon a of any boreholes). Not occuring in coastal area. Short term High High Resilience	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	ditions (Exploration Code of Practice: completion of activity (including sealing No Low
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed?	All disturbed areas to be rehabilitated in accordance Rehabilitation). Rehabilitation to occur as soon a of any boreholes). Not occuring in coastal area. Short term High High Resilience Yes	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	ditions (Exploration Code of Practice: completion of activity (including sealing No Low
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed?	All disturbed areas to be rehabilitated in accordance Rehabilitation). Rehabilitation to occur as soon a of any boreholes). Not occuring in coastal area. Short term High High Resilience	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	ditions (Exploration Code of Practice: completion of activity (including sealing No Low
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed?	All disturbed areas to be rehabilitated in accordance Rehabilitation). Rehabilitation to occur as soon a of any boreholes). Not occuring in coastal area. Short term High High Resilience Yes	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	ditions (Exploration Code of Practice: completion of activity (including sealing No Low
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies?	All disturbed areas to be rehabilitated in accordance Rehabilitation). Rehabilitation to occur as soon a of any boreholes). Not occuring in coastal area. Short term High High Resilience Yes	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for	ditions (Exploration Code of Practice: completion of activity (including sealing No Low Low ranking
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies?	All disturbed areas to be rehabilitated in accordance Rehabilitation). Rehabilitation to occur as soon a of any boreholes). Not occuring in coastal area. Short term High High Resilience Yes Fully Yes Hazardous substances or chemicals: Impacts ass	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for	ditions (Exploration Code of Practice: completion of activity (including sealing No Low Low ranking
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria	All disturbed areas to be rehabilitated in accordance Rehabilitation). Rehabilitation to occur as soon a of any boreholes). Not occuring in coastal area. Short term High High Resilience Yes Fully Yes Hazardous substances or chemicals: Impacts asshazardous substances or chemicals.	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for	No Low Low Low Low see, generation, storage or transport of
How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with	All disturbed areas to be rehabilitated in accordance Rehabilitation). Rehabilitation to occur as soon a of any boreholes). Not occuring in coastal area. Short term High High Resilience Yes Fully Yes Hazardous substances or chemicals: Impacts asshazardous substances or chemicals. Mobilisation of pollutants (such as hydrocarbon.)	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for	Low Low Low Low Low Low Inappropriate disposal of drilling
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	All disturbed areas to be rehabilitated in accordance Rehabilitation). Rehabilitation to occur as soon a of any boreholes). Not occuring in coastal area. Short term High High Resilience Yes Fully Yes Hazardous substances or chemicals: Impacts ass hazardous substances or chemicals. Mobilisation of pollutants (such as hydrocarbon.)	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for	Low Low Low Low Low Inappropriate disposal of drilling cides, fertilisers or other chemicals have

Proposed management controls	Activities must comply with CEA Location Restric	, ,		
	comply with (Exploration Code of Practice: Envir	_		
	application (APO). Relevant requirements of this		9	
	environment by the release of chemicals, fuels, of			
	degradation or pollution/contamination of land chemicals to significantly reduce risk to environr			
	chemicals to significantly reduce risk to environing the chemicals must comply with legislative requirem	•	+A34 (including any drilling by-products)	
	to be collected, segregated and disposed of lawfully. All management and storage of produced water must comply with the title conditions. In addition, the Exploration Code of Practice: Produced Water			
	Management, Storage and Transfer applies to	•		
	produced water, or ii. activities which require			
	management of incidental groundwater mixed v			
	drilling sumps or above ground tanks). All dis	sturbed areas to be	e rehabilitated in accordance with title	
	conditions (Exploration Code of Practice: Rehabi	litation). Rehabilita	ation to occur as soon as practicable after	
	completion of activity.			
Duration	Short term			
Application ranking				
What is the confidence in predicting	High	Are further	No	
impacts?		studies		
		required on		
		impacts or		
		mitigation?		
How resilient is the environment to	High Resilience	What is the	Low	
cope with impacts?		level of public		
		concern?		
Can the impacts be reversed?	Yes	Ranking of	Low	
		potential		
0 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	F II	significance		
Can the impacts be mitigated? Do the operations comply with	Fully Yes	Justification for	ranking	
standards, plans, policies?	165			
Criteria	Wastes & Emissions: Impacts to the environmen	l t resulting from th	e generation or disposal of wastes.	
Potential impacts	Mobilisation of pollutants (such as hydrocarbons		-	
rotential impacts			ases or vapour from drilling operations or	
		_	or other chemicals have the potential to	
	build up residues in the environment, including i		of other chemicals have the potential to	
Proposed management controls	Activities must comply with CEA Location Restrict		sholds and Criteria. Activities must	
. repease management controls	comply with (Exploration Code of Practice: Envir			
	application (APO). Relevant requirements of this			
	environment by the release of chemicals, fuels,		3	
	degradation or pollution/contamination of land			
	chemicals to significantly reduce risk to environr			
	chemicals must comply with legislative requirem	ents. e. Wastes	(including any drilling by-products) to be	
	collected, segregated and disposed of lawfully.	All managemer	t 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 explo	ration which requires the management of	
	produced water, or ii. activities which require p	produced water to	be stored on site (excluding the	
	management of incidental groundwater mixed v	vith drilling fluids t	hat can be temporarily contained in	
	,		e rehabilitated in accordance with title	
	conditions (Exploration Code of Practice: Rehabi	litation). Rehabilita	ation to occur as soon as practicable after	
	completion of activity.			
Duration	Short term			
Application ranking	Short term	A co C alboro	No.	
Application ranking What is the confidence in predicting		Are further	No	
Application ranking	Short term	studies	No	
Application ranking What is the confidence in predicting	Short term	studies required on	No	
Application ranking What is the confidence in predicting	Short term	studies required on impacts or	No	
Application ranking What is the confidence in predicting impacts?	Short term High	studies required on impacts or mitigation?		
Application ranking What is the confidence in predicting impacts? How resilient is the environment to	Short term	studies required on impacts or mitigation? What is the	No	
Application ranking What is the confidence in predicting impacts?	Short term High	studies required on impacts or mitigation? What is the level of public		
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	Short term High High Resilience	studies required on impacts or mitigation? What is the level of public concern?	Low	
Application ranking What is the confidence in predicting impacts? How resilient is the environment to	Short term High	studies required on impacts or mitigation? What is the level of public concern? Ranking of		
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	Short term High High Resilience	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	Low	
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed?	Short term High High Resilience	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	Low	
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed?	Short term High High Resilience Yes Fully	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	Low	
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the operations comply with	Short term High High Resilience	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	Low	
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies?	Short term High High Resilience Yes Fully Yes	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for	Low	
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with	Short term High High Resilience Yes Fully	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for	Low	

Potential impacts					
Proposed management controls	Negligible and only localised changes to drainage flows/flooding regime. Water used for exploration temporarily not available for ecological, stock, domestic or irrigation purposes. Surface runoff can be sediment laden from areas where vegetation has been removed. Generally minimal surface water use (must be licensed or use of farm dams through landholder agreements). No use of groundwater but potential loss through produced water in drilling / deep excavation operations. Interception, cross contamination and/or depressurisation of groundwater systems in drilling operations. Groundwater depressurisation effects on surface water. Mobilisation of pollutants (such as hydrocarbons) in surface water or aquifers. Ford across creeks can cause stream bank erosion from vehicle wash. Inappropriate disposal of drilling wastes / overflow from drilling sumps. 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				
Duration	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). Rehabilitatio to occur as soon as practicable after completion of activity.				
Application ranking					
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No		
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?	Low		
Can the impacts be reversed?	Yes	Ranking of potential significance	Low		
Can the impacts be mitigated?	Fully	Justification for	ranking		
Do the operations comply with standards, plans, policies?	Yes				
Criteria	Wastes & Emissions: Impacts on groundwater re	charge areas or ar	eas with high water table.		
Potential impacts	drilling wastes / overflow from drilling sumps. Vegetation clearance in recharge areas can increase				
	Mobilisation of pollutants (such as hydrocarbons drilling wastes / overflow from drilling sumps. salinity. Acid drainage due to exposure of a	s) in surface water Vegetation clea cid sulfate soils.	rance in recharge areas can increase		
Proposed management controls	Mobilisation of pollutants (such as hydrocarbons drilling wastes / overflow from drilling sumps. salinity. Acid drainage due to exposure of a Activities must comply with CEA Location Restrict comply with (Exploration Code of Practice: Envirous application (APO). Relevant requirements of this to prevent causing any adverse impacts on wate produced water must comply with the title condesided Produced Water Management, Storage and Transmanagement of produced water, or ii. activities (excluding the management of incidental ground contained in drilling sumps or above ground tank decommissioned in accordance with authority/t Practice to protect groundwater/aquifers. Drill hon recharge and salinity).	s) in surface water Vegetation clea cid sulfate soils. ctions, Impact Thre commental Manage s Code include: a r quality or quanti litions. In addition asfer applies to i s which require pr dwater mixed with ks). Boreholes itle conditions, De	rance in recharge areas can increase esholds and Criteria. Activities must ment) as per the commitment in the . Activities must implement all measures ty. All management and storage of , the Exploration Code of Practice: . petroleum exploration which requires the oduced water to be stored on site drilling fluids that can be temporarily to be constructed, operated and partmental Guidelines and Codes of		
Duration	Mobilisation of pollutants (such as hydrocarbons drilling wastes / overflow from drilling sumps. salinity. Acid drainage due to exposure of a Activities must comply with CEA Location Restrict comply with (Exploration Code of Practice: Envirous application (APO). Relevant requirements of this to prevent causing any adverse impacts on wate produced water must comply with the title condesided Produced Water Management, Storage and Transmanagement of produced water, or ii. activities (excluding the management of incidental ground contained in drilling sumps or above ground tank decommissioned in accordance with authority/t Practice to protect groundwater/aquifers. Drill his	s) in surface water Vegetation clea cid sulfate soils. ctions, Impact Thre commental Manage s Code include: a r quality or quanti litions. In addition asfer applies to i s which require pr dwater mixed with ks). Boreholes itle conditions, De	rance in recharge areas can increase esholds and Criteria. Activities must ment) as per the commitment in the . Activities must implement all measures ty. All management and storage of , the Exploration Code of Practice: . petroleum exploration which requires the oduced water to be stored on site drilling fluids that can be temporarily to be constructed, operated and partmental Guidelines and Codes of		
Duration Application ranking	Mobilisation of pollutants (such as hydrocarbons drilling wastes / overflow from drilling sumps. salinity. Acid drainage due to exposure of a Activities must comply with CEA Location Restric comply with (Exploration Code of Practice: Envir application (APO). Relevant requirements of this to prevent causing any adverse impacts on wate produced water must comply with the title cond Produced Water Management, Storage and Transmanagement of produced water, or ii. activities (excluding the management of incidental ground contained in drilling sumps or above ground tank decommissioned in accordance with authority/t Practice to protect groundwater/aquifers. Drill hon recharge and salinity).	s) in surface water Vegetation clea cid sulfate soils. ctions, Impact Thre conmental Manage s Code include: a r quality or quanti- litions. In addition asfer applies to i s which require pr dwater mixed with ks). Boreholes itle conditions, De ioles to be cased w	rance in recharge areas can increase esholds and Criteria. Activities must ment) as per the commitment in the . Activities must implement all measures ty. All management and storage of , the Exploration Code of Practice: . petroleum exploration which requires the oduced water to be stored on site drilling fluids that can be temporarily to be constructed, operated and partmental Guidelines and Codes of where aquifers intercepted (minimal impact		
Duration Application ranking What is the confidence in predicting impacts?	Mobilisation of pollutants (such as hydrocarbons drilling wastes / overflow from drilling sumps. salinity. Acid drainage due to exposure of a Activities must comply with CEA Location Restric comply with (Exploration Code of Practice: Envir application (APO). Relevant requirements of this to prevent causing any adverse impacts on water produced water must comply with the title condestructured Produced Water Management, Storage and Transmanagement of produced water, or ii. activities (excluding the management of incidental ground contained in drilling sumps or above ground tank decommissioned in accordance with authority/t Practice to protect groundwater/aquifers. Drill hon recharge and salinity). Short term	s) in surface water Vegetation clea cid sulfate soils. ctions, Impact Thre onmental Manage s Code include: a r quality or quanti- litions. In addition nsfer applies to i s which require pr dwater mixed with ks). Boreholes itle conditions, De itle cased w Are further studies required on impacts or mitigation?	rance in recharge areas can increase esholds and Criteria. Activities must ment) as per the commitment in the . Activities must implement all measures ty. All management and storage of , the Exploration Code of Practice: . petroleum exploration which requires the oduced water to be stored on site drilling fluids that can be temporarily to be constructed, operated and partmental Guidelines and Codes of where aquifers intercepted (minimal impact		
Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	Mobilisation of pollutants (such as hydrocarbons drilling wastes / overflow from drilling sumps. salinity. Acid drainage due to exposure of a Activities must comply with CEA Location Restric comply with (Exploration Code of Practice: Envir application (APO). Relevant requirements of this to prevent causing any adverse impacts on wate produced water must comply with the title cond Produced Water Management, Storage and Trans management of produced water, or ii. activities (excluding the management of incidental ground contained in drilling sumps or above ground tand decommissioned in accordance with authority/t Practice to protect groundwater/aquifers. Drill hon recharge and salinity). Short term High Resilience	s) in surface water Vegetation clea cid sulfate soils. ctions, Impact Thre onmental Manage s Code include: a r quality or quanti- litions. In addition nsfer applies to i s which require pr dwater mixed with ks). Boreholes itle conditions, De noles to be cased w Are further studies required on impacts or mitigation? What is the level of public concern?	rance in recharge areas can increase sholds and Criteria. Activities must ment) as per the commitment in the . Activities must implement all measures ty. All management and storage of , the Exploration Code of Practice: . petroleum exploration which requires the oduced water to be stored on site drilling fluids that can be temporarily to be constructed, operated and partmental Guidelines and Codes of where aquifers intercepted (minimal impact		
Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to	Mobilisation of pollutants (such as hydrocarbons drilling wastes / overflow from drilling sumps. salinity. Acid drainage due to exposure of a Activities must comply with CEA Location Restric comply with (Exploration Code of Practice: Envir application (APO). Relevant requirements of this to prevent causing any adverse impacts on water produced water must comply with the title condestructured Produced Water Management, Storage and Transmanagement of produced water, or ii. activities (excluding the management of incidental ground contained in drilling sumps or above ground tank decommissioned in accordance with authority/t Practice to protect groundwater/aquifers. Drill hon recharge and salinity). Short term	s) in surface water Vegetation clea cid sulfate soils. ctions, Impact Thre onmental Manage s Code include: a r quality or quanti- litions. In addition asfer applies to i s which require pr dwater mixed with ks). Boreholes itle conditions, De ioles to be cased w Are further studies required on impacts or mitigation? What is the level of public	rance in recharge areas can increase esholds and Criteria. Activities must ment) as per the commitment in the . Activities must implement all measures ty. All management and storage of , the Exploration Code of Practice: . petroleum exploration which requires the oduced water to be stored on site drilling fluids that can be temporarily to be constructed, operated and partmental Guidelines and Codes of where aquifers intercepted (minimal impact		

Do the operations comply with	Yes			
standards, plans, policies?				
Criteria	Wastes and Emissions: Impacts on coastlines or dunes, alpine areas, karst features or other unique landforms.			
Potential impacts	Negligible and only localised impacts on unique landforms. Mobilisation of pollutants in soils, surface water or aquifers. Short term noise, air quality and visual impacts. Particulate emissions from plant and machinery; fugitive emissions of gases or vapour from drilling operations and the operation of flares. Soil erosion and sediment laden runoff from disturbed areas, that could lead to soil or water contamination or land degradation. Exposure of acid sulfate soils. Spread of weeds, pest animals and animal/plant diseases. Damage to structures and sensitive features, such as unique landforms. Activities along the coastline / floodways have the potential to exacerbate coastal erosion (rising sea levels and increased storm activity under projected climate change conditions could result in increased erosion along the coastline / floodways).			
Proposed management controls	Impact limited to activity site and subject to compensation and landholder access arrangements.			
	Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria.			
	Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practic Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including se of any boreholes). Proposed drilling not in areas containing known coastlines, dunes, alpine area, karst features or unique			
	landforms.			
Duration	Short term			
Application ranking			Γ	
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	what is the level of public concern?	Low	
Can the impacts be reversed?	Yes	Ranking of potential	Low	
Can the impacts be mitigated?	Fully	significance Justification for	ranking	
Do the operations comply with standards, plans, policies?	Yes	Justinication 101		
Criteria	Wastes & Emissions: Impacts on erosion prone a			
Potential impacts	Minimal potential impacts. Soil erosion and vegetation has been removed. Mobilisation riparian zone disturbance from use of poorly cor	of pollutants (such		
Proposed management controls	Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. CEA not permitted or slopes exceeding 18 degrees. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include a. Minimising vegetation clearing and surface disturbance. b. Prevent causing any land degradation or pollution/contamination of land or water. c. All sediment and erosion controls (including drainage from roads/access tracks) to be managed in accordance with Blue Book (includes controls to manage instability risks). d. Existing access tracks to be used/upgraded wherever possible. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any boreholes).			
Duration	Short term	The state of the s	5 5 1 were increase.	
Application ranking				
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No	
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?	Low	
Can the impacts be reversed?	Yes	Ranking of potential significance	Low	
Can the impacts be mitigated?	Fully	Justification for	ranking	

Do the operations comply with	Yes				
standards, plans, policies?	163				
Criteria	Wastes & Emissions: Impacts on subsidence or slip areas.				
Potential impacts	Soil erosion from disturbed areas / areas where vegetation has been removed may increase risk of slips. Drilling operations unlikely to contribute to slips or subsidence.				
Proposed management controls	Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria.				
	comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the				
	application (APO). Relevant requirements of this Code include: a. Minimising vegetation clearing and				
	surface disturbance. b. Prevent causing any land degradation or pollution/contamination of land or water				
	c. All sediment and erosion controls (including drainage from roads/access tracks) to be managed in				
	accordance with Blue Book (includes controls to manage instability risks). d. Existing access tracks to be used/upgraded wherever possible. All disturbed areas to be rehabilitated in accordance with title				
	conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after				
	completion of activity.				
Duration	Short term				
Application ranking					
What is the confidence in predicting	High	Are further No			
impacts?		studies			
		required on			
		impacts or			
		mitigation?			
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public	Low		
cope with impacts:		concern?			
Can the impacts be reversed?	Yes	Ranking of	Low		
		potential			
		significance			
Can the impacts be mitigated?	Fully	Justification for	ranking		
Do the operations comply with	Yes				
standards, plans, policies?					
Criteria	Wastes & Emissions: Impacts on areas with acid	•			
Potential impacts	Vegetation removal unlikely to exacerbate acid				
	exacerbate acid sulfate or sodicity issues. So areas where vegetation has been removed.	oil erosion and sed	iment laden runoff from disturbed areas /		
Proposed management controls	Activities must comply with CEA Location Restrict	tions Impact Thre	esholds and Criteria. Activities must		
opessegee.e.e.e.e.e	comply with (Exploration Code of Practice: Envir				
	application (APO). Relevant requirements of this	_	· · ·		
	surface disturbance. b. Prevent causing any lar	nd degradation or I	pollution/contamination of land or water.		
	c. All sediment and erosion controls (including d	-			
	accordance with Blue Book. d. Existing access t				
	on sumps and management of chemicals to sign				
	rehabilitated in accordance with title conditions		•		
	to occur as soon as practicable after completion numbers and short term nature of exploration.	or activity.	pacts generally limited due to low traffic		
Duration	Short term				
Application ranking					
What is the confidence in predicting	High	Are further	No		
impacts?		studies			
		required on			
		impacts or			
		mitigation?			
How resilient is the environment to	High Resilience	What is the	Low		
cope with impacts?		level of public concern?			
Can the impacts be reversed?	Yes	Ranking of	Low		
can the impacts be reversed:	163	potential	LOW		
		significance			
Can the impacts be mitigated?	Fully	Justification for	ranking		
Do the operations comply with	Yes				
standards, plans, policies?					
Criteria	Wastes & Emissions: Impacts on areas with salin		linity problems.		
Potential impacts	Activities unlikely to exacerbate salinity problem	•	removal may reduce vegetation		
	drawdown of water table. Spills of saline pro		Vegetation removal unlikely to exacerbate		
	acid sulfate or sodicity issues. Soil erosion where vegetation has been removed.	and sediment lade	n runoff from disturbed areas / areas		

Proposed management controls	Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Minimising vegetation clearing and surface disturbance. b. Prevent causing any land degradation or pollution/contamination of land or water. c. All sediment and erosion controls (including drainage from roads/access tracks) to be managed in accordance with Blue Book. d. Controls on sumps and management of chemicals to significantly reduce risk to soils. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity.			
Duration	Short term			
Application ranking				
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No	
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?	Low	
Can the impacts be reversed?	Yes Ranking of potential significance			
Can the impacts be mitigated?	Fully	Justification for	ranking	
Do the operations comply with standards, plans, policies?	Yes			
Criteria	Wastes & Emissions: Impacts on areas with degr	aded or contamin	ated land.	
Potential impacts	Activity unlikely to result in any change to existing contaminated soils or migration of contaminants. Soil erosion and sediment laden runoff from disturbed areas / areas where vegetation has been 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. Vegetation removal unlikely to have any impact on contaminated soils.			
Proposed management controls	Activities must comply with CEA Location Restrict comply with (Exploration Code of Practice: Environapplication (APO). Relevant requirements of this surface disturbance. b. Prevent causing any lar c. All sediment and erosion controls (including daccordance with Blue Book. d. Controls on sunt to soils. All disturbed areas to be rehabilitated Practice: Rehabilitation). Rehabilitation to occur Impacts generally limited due to short term nature existing contamination.	onmental Manage s Code include: and degradation or rainage from road aps and management ed in accordance was soon as practic	ement) as per the commitment in the a. Minimising vegetation clearing and pollution/contamination of land or water. s/access tracks) to be managed in ent of chemicals to significantly reduce risk with title conditions (Exploration Code of able 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?	Low	
Can the impacts be reversed?	Yes	Ranking of potential significance	Low	
Can the impacts be mitigated?	Fully	Justification for	ranking	
Do the operations comply with standards, plans, policies?	Yes			
Criteria	Wastes & Emissions: Impacts on areas with degr	aded or contamin	ated water (ground or surface)	
Potential impacts	Activities unlikely to have any additional impacts (ground or surface). Boreholes to be cased wher laden from areas where vegetation has been rer depressurisation of groundwater systems in drill	s on areas with exing aquifers intercep moved. Interce ling operations. Gr ch as hydrocarbor	sting degraded or contaminated water ted. Surface runoff can be sediment eption, cross contamination and/or oundwater depressurisation effects on its) in surface water or aquifers.	

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. Activities must implement all measures to prevent causing any adverse impacts on water quality or quantity. b. Activities must minimise cross connection of aquifers or groundwater sources. c. Activities must minimise any depressurisation of aquifers or groundwater sources. d. Coal and petroleum title holders must prepare and implement and Groundwater Monitoring & Modelling Plan in consultation with NSW Office of Water. e. All sediment and erosion controls to be in accordance with Blue Book to minimise off-site impacts. Boreholes to be constructed, operated and decommissioned in accordance with authority/title conditions, Departmental Guidelines and Codes of Practice to protect groundwater/aquifers. All management and storage of produced water must comply with the title conditions. In addition, the Exploration Code of Practice: Produced Water Management, Storage and Transfer applies to i. petroleum exploration which requires the management of produced water, or ii. activities which require produced water to be stored on site (excluding the management of incidental groundwater mixed with drilling fluids that can be temporarily contained in drilling sumps or above ground tanks). All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any boreholes). Activities unlikely to exacerbate any existing surface or groundwater contamination.			
Application ranking				
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No	
How resilient is the environment to	High Resilience	What is the	Low	
cope with impacts?		level of public		
Constitution and the second 2	Va	concern?	12	
Can the impacts be reversed?	Yes	Ranking of potential	Low	
		significance		
Can the impacts be mitigated?	Fully	Justification for	ranking	
Do the operations comply with	Yes	Justinication for		
standards, plans, policies?				
Criteria	Vegetation: Any clearing or modification of vege	tation (including in	mpacts on wildlife corridors, remnant	
	vegetation & habitat for species of conservation			
Potential impacts	Vegetation removal can decrease available foraging/ sheltering/ breeding habitat for species and displace species from regular place of residence. Impacts on vegetation species and ecological communities. Vegetation removal and activities can temporarily impact wildlife corridors and remnant vegetation. Areas used for exploration activities, access tracks, etc not available for fauna habitat. Mobilisation of pollutants (such as hydrocarbons) in soils, air or waters can potentially impact fauna. Drilling sumps can be a hazard for fauna. Use of pesticides, herbicides, fertilisers or other chemicals have the potential to build up residues in the environment, including in soils and water. Short term noise and air quality impacts. Soil erosion and sediment laden runoff from disturbed areas, that could lead to soil or water contamination or land degradation. Exposure of acid sulfate soils. Spread of weeds, pest animals and animal/plant diseases.			
Proposed management controls	Activities must comply with CEA Location Restric	tions, Impact Thre	esholds 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. Grassland to be slashed only. No trees removed. Removal of small trees of 15cm diameter breast height or less if required. Areas chosen which have already been previously cleared.			
Duration	Short term			
Application ranking				
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No	
How resilient is the environment to	High Resilience	What is the	Low	
cope with impacts?		level of public concern?		

Can the impacts be reversed?	Yes	Ranking of potential significance	Low
Can the impacts be mitigated?	Fully	Justification for	ranking
Do the operations comply with standards, plans, policies?	Yes		<u>-</u>
Criteria	Threatened Fauna Species: Any adverse effect o local population of the species is likely to be placed		
Potential impacts	No impacts. CEA impact thresholds apply. A as areas of outstanding biodiversity value / critic or ecological communites, or their habitats.	•	e a CEA if it: 1. occurs on land declared a significant effect on threatened species
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	Low
cope with impacts?	.47.	level of public	2011
	1,1/4	concern?	
Can the impacts be reversed?	N/A	Ranking of	
		potential	
Can the impacts be mitigated?	N/A	significance Justification for	ranking
Do the operations comply with	N/A	Justification for	Talikilig
standards, plans, policies?	N/A		
Criteria Standards, plans, poncies.	Threatened Flora Species: Any adverse effect on	•	· ·
	local population of the species is likely to be place		
Potential impacts	No impacts. CEA impact thresholds apply. An activity cannot be a CEA if it: 1. occurs on land declares as areas of outstanding biodiversity value or critical habitat, 2. has a significant effect on any threatened		
·	species or ecological communities, or their habit	ical habitat, 2. h	
Proposed management controls		ical habitat, 2. hatats.	as a significant effect on any threatened ding biodiversity value or Fisheries
Proposed management controls	species or ecological communities, or their habit N/A Not occurring on land that has been declared as Management critical habitat. No significant effect on threatened species or economic species or economic species or ec	ical habitat, 2. hatats.	as a significant effect on any threatened ding biodiversity value or Fisheries
·	species or ecological communities, or their habit N/A Not occurring on land that has been declared as Management critical habitat.	ical habitat, 2. hatats.	as a significant effect on any threatened ding biodiversity value or Fisheries
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cope with impacts? Can the impacts be reversed? N/A Ranking of potential	How reciliant is the environment to	N/A		Low
Can the impacts be reversed? N/A Ranking of potential		IV/A		LOW
Can the impacts be reversed? N/A Ranking of potential	cope with impacts?			
potential				
	Can the impacts be reversed?	N/A		
ai-mifian na				
significance			significance	

Can the impacts be mitigated?	N/A	Justification for	ranking			
Do the operations comply with standards, plans, policies?	N/A					
Criteria	Habitat of protected aquatic species or those with	Habitat of protected aquatic species or those with conservation status.				
Potential impacts	Negligible and only localised changes to drainage	e flows/flooding re	egime. Water used for exploration not			
	available for ecological purposes. Surface ru	unoff can be sedim	nent laden from areas where vegetation			
	has been removed. Generally minimal surface water use (must be licensed or use of farm dams landholder agreements). No use of groundwater but potential loss through produced water in d deep excavation operations. Interception, cross contamination and/or depressurisation of ground systems in drilling operations. Groundwater depressurisation effects on surface water. Mobilisation pollutants (such as hydrocarbons) in surface water or aquifers. Ford across creeks can cause str					
		pollutants (such as hydrocarbons) in surface water or aquifers. Ford across creeks can cause so bank erosion from vehicle wash. Inappropriate disposal of drilling wastes / overflow from dril				
Proposed management controls						
Proposed management controls	Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activitie comply with (Exploration Code of Practice: Environmental Management) as per the commitment i					
	application (APO). Relevant requirements of this					
	to prevent causing any adverse impacts on wate		·			
	controls (including drainage from roads/access t	racks) to be manag	ged in accordance with Blue Book. c. No			
	significant impact on any threatened species, the	reatened population	ons, threatened ecological communities,			
	or their habitats. d. No removal of vegetation i					
	in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation					
	soon as practicable after completion of activity.					
Duration Application ranking	Short term					
What is the confidence in predicting	High	Are further	No			
impacts?	111811	studies	140			
		required on				
		impacts or				
		mitigation?				
How resilient is the environment to	High Resilience	What is the	Low			
cope with impacts?		level of public				
		concern?				
Can the impacts be reversed?	Yes	Ranking of	Low			
		potential				
Can the impacts be mitigated?	Fully	significance Justification for	ranking			
Do the operations comply with	Yes	Justification for	Taliking			
standards, plans, policies?	163					
Criteria	Key Threatening Processes: As outlined in Sched	ule 4 of Biodiversit	ty Conservation Act 2016. Includes: a.			
	alteration, removal, clearly or degradation of hal	bitat and native ve	egetation b. loss of hollow bearing trees			
	c. removal of dead wood and dead trees d. inv		·			
Potential impacts	Vegetation removal can harm threatened specie		·			
	exploration activities, access tracks, etc not avail		tat. Mobilisation of pollutants (such as Use of pesticides, herbicides, fertilisers			
	hydrocarbons) in soils, air or waters can potential or other chemicals have the potential to build up					
	Soil erosion and sediment laden runoff from dist					
	or land degradation. Spread of weeds, pest a					
Proposed management controls	Activities must comply with CEA Location Restric					
	comply with (Exploration Code of Practice: Envir	•				
	application (APO). Relevant requirements of this	s Code include: a	. Minimise extent of vegetation clearing			
	and surface disturbance to as low as practicable.	b. Prevent adve	rse impacts to fauna caused by vegetation			
	clearing, including relocation of resident fauna.		areas to be rehabilitated in accordance			
	with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as					
B. arthur	practicable after completion of activity.					
Duration Application ranking	Short term					
What is the confidence in predicting	High	Are further	No			
impacts?		studies				
F		required on				
		impacts or				
		mitigation?				
How resilient is the environment to	High Resilience	What is the	Low			
cope with impacts?		level of public				
		concern?				
Can the impacts be reversed?	Yes	Ranking of	Low			
		potential				
	F. II.	significance				
	I	Justification for ranking				
Can the impacts be mitigated?						
Do the operations comply with standards, plans, policies?	Yes		9			

Criteria	Barriers to movement of fauna: Any potential to endanger, displace or disturb fauna (including fauna of conservation significance) or create a barrier to their movement.			
Potential impacts	Vegetation removal can decrease available foraging/ sheltering/ breeding habitat for species and displace species from regular place of residence. Access tracks can act as a barrier to movement of small fauna species. Fauna crossing access tracks may be killed or injured if hit by vehicles. Vegetation removal can remove connective corridors used for wildlife movement. Areas used for exploration activities, access tracks, etc not available for fauna habitat. Mobilisation of pollutants (such as hydrocarbons) in soils, air or waters can potentially impact fauna. Drilling sumps can be a hazard for fauna. Use of pesticides, herbicides, fertilisers or other chemicals have the potential to build up residues in the environment, including in soils and water. Short term noise and air quality impacts. Soil erosion and sediment laden runoff from disturbed areas, that could lead to soil or water contamination or land degradation. Spread of weeds, pest animals and animal/plant diseases.			
Proposed management controls	Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Minimise extent of vegetation clearing and surface disturbance to as low as practicable. b. Prevent adverse impacts to fauna caused by vegetation clearing, including relocation of resident fauna. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity.			
Duration	Short term			
Application ranking				
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No	
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?	Low	
Can the impacts be reversed?	Yes	Ranking of potential significance	Low	
Can the impacts be mitigated?	Fully	Justification for	ranking	
Do the operations comply with	Yes			
standards, plans, policies? Criteria	community.	Ecological & Biosecurity Impacts: Any threat to the biological diversity or ecological integrity of an ecological community.		
Potential impacts	Vegetation removal can decrease available foraging/ sheltering/ breeding habitat for species and displace species from regular place of residence. Areas used for exploration activities, access tracks, etc not available for flora / fauna habitat. Mobilisation of pollutants (such as hydrocarbons) in soils, air or wate can potentially impact fauna / flora. Drilling sumps can be a hazard for fauna. Use of pesticides, herbicides, fertilisers or other chemicals have the potential to build up residues in the environment, including in soils and water. Soil erosion and sediment laden runoff from disturbed areas, that could leat to soil or water contamination or land degradation. Exposure of acid sulfate soils. Spread of weeds, pest animals and animal/plant diseases. Fauna crossing access tracks may be killed or injured if hit by			
Proposed management controls	vehicles. Surface disturbance may result in removal of/damage to seed stock. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Minimise extent of vegetation clearing and surface disturbance to as low as practicable. b. Prevent adverse impacts to fauna caused by vegetation clearing, including relocation of resident fauna. c. Setbacks from steep slopes/cliffs to limit impact of shots on cave dwelling fauna. Noise impacts / disruption to fauna are temporary. Vehicle movements are limited and unlikely to have significant injury/mortality impacts. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity.			
	shots on cave dwelling fauna. Noise impact are limited and unlikely to have significant injury rehabilitated in accordance with title conditions	c. Setbacks from s / disruption to fa n/mortality impacts (Exploration Code	una are temporary. Vehicle movements s. All disturbed areas to be	
Duration	shots on cave dwelling fauna. Noise impact are limited and unlikely to have significant injury rehabilitated in accordance with title conditions	c. Setbacks from s / disruption to fa n/mortality impacts (Exploration Code	una are temporary. Vehicle movements s. All disturbed areas to be	
Duration Application ranking	shots on cave dwelling fauna. Noise impact are limited and unlikely to have significant injury rehabilitated in accordance with title conditions to occur as soon as practicable after completion	c. Setbacks from s / disruption to fa n/mortality impacts (Exploration Code	una are temporary. Vehicle movements s. All disturbed areas to be	
Application ranking What is the confidence in predicting impacts?	shots on cave dwelling fauna. Noise impact are limited and unlikely to have significant injury rehabilitated in accordance with title conditions to occur as soon as practicable after completion Short term High	c. Setbacks from s / disruption to fa n/mortality impacts (Exploration Code	una are temporary. Vehicle movements s. All disturbed areas to be	
Application ranking What is the confidence in predicting	shots on cave dwelling fauna. Noise impact are limited and unlikely to have significant injury rehabilitated in accordance with title conditions to occur as soon as practicable after completion Short term	c. Setbacks frois s / disruption to fa s/mortality impacts (Exploration Code of activity. Are further studies required on impacts or	una are temporary. Vehicle movements s. All disturbed areas to be of Practice: Rehabilitation). Rehabilitation	
Application ranking What is the confidence in predicting impacts? How resilient is the environment to	shots on cave dwelling fauna. Noise impact are limited and unlikely to have significant injury rehabilitated in accordance with title conditions to occur as soon as practicable after completion Short term High	c. Setbacks frois / disruption to fat/mortality impacts: (Exploration Code of activity. Are further studies required on impacts or mitigation? What is the level of public	una are temporary. Vehicle movements s. All disturbed areas to be of Practice: Rehabilitation). Rehabilitation No Low	

	T	1		
Do the operations comply with standards, plans, policies?	Yes			
Criteria	Ecological & Biosecurity Impacts: Creates a biose	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,			
	plant pests and diseases, d. animal diseases,	plant pests and diseases, d. animal diseases, e. noxious weeds, or f. genetically modified organisms.		
Potential impacts	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 environment, including in soils and water. Spread of weeds, pest animals and animal/plant disease.			
	Surface disturbance may result in removal of/damage to seed stock. Weed growth in disturbed are			
Proposed management controls	Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities mu 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 clear and surface disturbance to as low as practicable. b. Prevent adverse impacts to fauna caused by veget			
	clearing, including relocation of resident fauna.		t to prevent introduction and spread of	
	weeds, pest animals & animal and plant diseases	•	·	
	All disturbed areas to be rehabilitated in accorda			
	Rehabilitation). Rehabilitation to occur as soon a		• •	
	1 · · · · · · · · · · · · · · · · · · ·		access arrangements which may include	
	additional mitigation measures to manage land.			
Duration	Short term			
Application ranking				
What is the confidence in predicting	High	Are further	No	
impacts?		studies		
		required on		
		impacts or		
Hammadiant in the audinous author	High Deciliones	mitigation?	1	
How resilient is the environment to	High Resilience	What is the level of public	Low	
cope with impacts?		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 for	ranking	
Do the operations comply with	Yes			
standards, plans, policies?				
Criteria	Ecological & Biosecurity Impacts: Likely to cause	a significant bushf	ire risk.	
Potential impacts	Plant and machinery comprises a potential igniti	on source.		
Proposed management controls	Activities must comply with CEA Location Restric	ctions, Impact Thre	sholds and Criteria. Activities must	
	comply with (Exploration Code of Practice: Envir	onmental Manage	ment) as per the commitment in the	
		<i>y</i> , .		
	application (APO). Relevant requirements of this		=	
	application (APO). Relevant requirements of this implementing suitable controls to manage risks	(e.g. implementati	on of controls on activities during Extren	
	application (APO). Relevant requirements of thi implementing suitable controls to manage risks or Catastrophic Fire Conditions will largely negat	(e.g. implementati te risk). Activi	on of controls on activities during Extren ties must comply with WHS legislative	
	application (APO). Relevant requirements of thi implementing suitable controls to manage risks or Catastrophic Fire Conditions will largely negat requirements. Any existing/proposed access	(e.g. implementati te risk). Activi	on of controls on activities during Extren ties must comply with WHS legislative	
	application (APO). Relevant requirements of thi implementing suitable controls to manage risks or Catastrophic Fire Conditions will largely negat	(e.g. implementati te risk). Activi	on of controls on activities during Extren ties must comply with WHS legislative	
Application ranking	application (APO). Relevant requirements of thi implementing suitable controls to manage risks or Catastrophic Fire Conditions will largely negat requirements. Any existing/proposed access Short term	(e.g. implementati te risk). Activi tracks can be used	on of controls on activities during Extren ties must comply with WHS legislative d as firebreaks in event of fire.	
Application ranking What is the confidence in predicting	application (APO). Relevant requirements of thi implementing suitable controls to manage risks or Catastrophic Fire Conditions will largely negat requirements. Any existing/proposed access	(e.g. implementati te risk). Activit tracks can be used	on of controls on activities during Extren ties must comply with WHS legislative	
Application ranking	application (APO). Relevant requirements of thi implementing suitable controls to manage risks or Catastrophic Fire Conditions will largely negat requirements. Any existing/proposed access Short term	(e.g. implementati te risk). Activi tracks can be used Are further studies	on of controls on activities during Extren ties must comply with WHS legislative d as firebreaks in event of fire.	
Application ranking What is the confidence in predicting	application (APO). Relevant requirements of thi implementing suitable controls to manage risks or Catastrophic Fire Conditions will largely negat requirements. Any existing/proposed access Short term	(e.g. implementati te risk). Activi tracks can be used Are further studies required on	on of controls on activities during Extren ties must comply with WHS legislative d as firebreaks in event of fire.	
Application ranking What is the confidence in predicting	application (APO). Relevant requirements of thi implementing suitable controls to manage risks or Catastrophic Fire Conditions will largely negat requirements. Any existing/proposed access Short term	(e.g. implementati te risk). Activi tracks can be used Are further studies required on impacts or	on of controls on activities during Extren ties must comply with WHS legislative d as firebreaks in event of fire.	
Application ranking What is the confidence in predicting impacts?	application (APO). Relevant requirements of thi implementing suitable controls to manage risks or Catastrophic Fire Conditions will largely negat requirements. Any existing/proposed access Short term High	(e.g. implementati te risk). Activi tracks can be used Are further studies required on impacts or mitigation?	on of controls on activities during Extren ties must comply with WHS legislative d as firebreaks in event of fire.	
Application ranking What is the confidence in predicting	application (APO). Relevant requirements of thi implementing suitable controls to manage risks or Catastrophic Fire Conditions will largely negat requirements. Any existing/proposed access Short term	(e.g. implementati te risk). Activi tracks can be used Are further studies required on impacts or mitigation? What is the	on of controls on activities during Extren ties must comply with WHS legislative d as firebreaks in event of fire. No	
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Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	application (APO). Relevant requirements of thi implementing suitable controls to manage risks or Catastrophic Fire Conditions will largely negat requirements. Any existing/proposed access Short term High	(e.g. implementatice risk). Activiteracks can be used Are further studies required on impacts or mitigation? What is the level of public concern?	on of controls on activities during Extren ties must comply with WHS legislative d as firebreaks in event of fire. No	
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Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	application (APO). Relevant requirements of thi implementing suitable controls to manage risks or Catastrophic Fire Conditions will largely negat requirements. Any existing/proposed access Short term High High Resilience	(e.g. implementation of tracks can be used) Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	on of controls on activities during Extrenties must comply with WHS legislative das firebreaks in event of fire. No Low	
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed?	application (APO). Relevant requirements of thi implementing suitable controls to manage risks or Catastrophic Fire Conditions will largely negat requirements. Any existing/proposed access Short term High High Resilience	(e.g. implementation of control o	on of controls on activities during Extrenties must comply with WHS legislative das firebreaks in event of fire. No Low	
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed?	application (APO). Relevant requirements of thi implementing suitable controls to manage risks or Catastrophic Fire Conditions will largely negat requirements. Any existing/proposed access Short term High High Resilience	(e.g. implementation of control o	on of controls on activities during Extrenties must comply with WHS legislative das firebreaks in event of fire. No Low	
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies?	application (APO). Relevant requirements of thi implementing suitable controls to manage risks or Catastrophic Fire Conditions will largely negat requirements. Any existing/proposed access Short term High High Resilience	(e.g. implementation of the concern? Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for	on of controls on activities during Extrenties must comply with WHS legislative das firebreaks in event of fire. No Low Low ranking	
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies?	application (APO). Relevant requirements of thi implementing suitable controls to manage risks or Catastrophic Fire Conditions will largely negative requirements. Any existing/proposed access Short term High High Resilience Yes Fully Yes Community Resources: Any degradation of infracand infrastructure resources.	(e.g. implementation of the content	on of controls on activities during Extrenties must comply with WHS legislative das firebreaks in event of fire. No Low Low cant increase in the demand for services	
How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with	application (APO). Relevant requirements of thi implementing suitable controls to manage risks or Catastrophic Fire Conditions will largely negative requirements. Any existing/proposed access Short term High High Resilience Yes Fully Yes Community Resources: Any degradation of infra	(e.g. implementation (e.g. implementation risk). Activition activi	on of controls on activities during Extrenties must comply with WHS legislative das firebreaks in event of fire. No Low Low cant increase in the demand for services	

Proposed management controls	Criteria. Activities must comply with (Explorathe commitment in the application (APO) including and heritage. All disturbed areas to be rehabled of Practice: Rehabilitation). Rehabilitation to occ	etion Code of Practing protection of a politicated in accordatur as soon as practing the contraction of the	ince with title conditions (Exploration Code
Donation			
Duration	Short term		
Application ranking			Ι
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?	Low
Can the impacts be reversed?	Yes	Ranking of potential significance	Low
Can the impacts be mitigated?	Fully	Justification for	ranking
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Community Resources: Any diversion of resource systems.	es to the detrimen	t of other communities or natural
Potential impacts	Limited potential for any significant diversion of systems. Negligible impacts and only localise temporarily removed from natural systems and	ed changes. Are	letriment of other communities or natural eas used for exploration activities,
Proposed management controls	,	ation Code of Practivant requirements age. All disturbate: Rehabilitation).	ed areas to be rehabilitated in accordance Rehabilitation to occur as soon as
Duration	Short term		
Application ranking			
What is the confidence in predicting impacts?	N/A	Are further studies required on impacts or mitigation?	N/A
How resilient is the environment to	N/A	What is the	Low
cope with impacts?		level of public concern?	
Can the impacts be reversed?	N/A	Ranking of potential significance	
Can the impacts be mitigated?	N/A	Justification for	ranking
Do the operations comply with	N/A		
standards, plans, policies?			
Criteria	Natural Resources: Any disruption, depletion or	destruction of nat	ural resources.
Potential impacts	Limited potential for any significant diversion of systems. Negligible impacts and only localise temporarily removed as a natural resource. No significant impacts on other natural resource geological resources.	ed changes. Are Vegetation remova	eas used for exploration activities, al may remove potential timber resources.
Proposed management controls	Criteria. Activities must comply with (Explorathe commitment in the application (APO). Relevelements of the environment (water, land, soil, a rehabilitated in accordance with title conditions to occur as soon as practicable after completion arrangements and compensation limit any poter	ation Code of Praction Code of Praction Code of Praction Code of activity.	eritage. All disturbed areas to be
Duration	N/A		
Application ranking			

What is the confidence in predicting	N/A	Are further	No			
impacts?		studies				
		required on				
		impacts or				
		mitigation?				
How resilient is the environment to	N/A	What is the	Low			
cope with impacts?		level of public				
		concern?				
Can the impacts be reversed?	N/A	Ranking of	Low			
•	,	potential				
		significance				
Can the impacts be mitigated?	N/A	Justification for	ranking			
Do the operations comply with	Yes					
standards, plans, policies?						
Criteria	Natural Resources: Any disruption of existing activities which rely on natural resources, including forest					
	farming or extractive industries (or reduction of options for future activities).					
Potential impacts		of existing activities (or reduction of future activities) giver				
Totaliai iiipaata	, , , , , , , , , , , , , , , , , , , ,	. , , , , , , , , , , , , , , , , , , ,				
	used for exploration activities, temporarily remo		. , ,			
	future availability of forestry, agricultural land, s					
	potential timber resources.	ons or water resor	vegetation removal may remove			
Proposed management controls	'	nly with CEA Loca	tion Restrictions, Impact Thresholds and			
rroposed management controls			tice: Environmental Management) as per			
	the commitment in the application (APO). Relev					
	elements of the environment (water, land, soil, a	•	•			
	rehabilitated in accordance with title conditions	**	•			
	to occur as soon as practicable after completion		•			
			gislative requirement for landholder access			
Detia.a	arrangements and compensation limit any poter	itiai impacts.				
Duration	Short term					
Application ranking	21/2		Γ.,			
What is the confidence in predicting	N/A	Are further	No			
impacts?		studies				
		required on				
		impacts or				
		mitigation?				
How resilient is the environment to	N/A	What is the	Low			
cope with impacts?		level of public				
		concern?				
Can the impacts be reversed?	N/A	Ranking of	Low			
		potential				
		significance				
Can the impacts be mitigated?	N/A	Justification for	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					
Proposed management controls	N/A	conscivation purp	0363.			
Duration	N/A					
Application ranking	IV/O					
	21/2	A C .ab	21/2			
What is the confidence in predicting	N/A	Are further	N/A			
impacts?		studies				
		required on				
		impacts or				
		mitigation?				
How resilient is the environment to	N/A	What is the	Low			
cope with impacts?		level of public				
		concern?				
Can the impacts be reversed?	N/A	Ranking of				
		potential				
			1			
		significance				
Can the impacts be mitigated?	N/A	significance Justification for	ranking			
Can the impacts be mitigated? Do the operations comply with	N/A N/A		ranking			
<u> </u>			ranking			
Do the operations comply with	N/A	Justification for				
Do the operations comply with standards, plans, policies?		Justification for				
Do the operations comply with standards, plans, policies? Criteria	N/A Sensitive Land Impacts: Impacts on National parl the National Parks and Wildlife Act 1974.	Justification for				
Do the operations comply with standards, plans, policies? Criteria Potential impacts	N/A Sensitive Land Impacts: Impacts on National part the National Parks and Wildlife Act 1974. Activity not permitted in these areas.	Justification for				
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls	N/A Sensitive Land Impacts: Impacts on National part the National Parks and Wildlife Act 1974. Activity not permitted in these areas. N/A - Not in any National Park.	Justification for				
Do the operations comply with standards, plans, policies? Criteria Potential impacts	N/A Sensitive Land Impacts: Impacts on National part the National Parks and Wildlife Act 1974. Activity not permitted in these areas.	Justification for				

Do the operations comply with standards, plans, policies?	N/A		
	I NI/A		
Can the impacts be mitigated?	N/A	Justification for	ranking
Con the immediate he within 12.12	NI/A	significance	
		potential	
Can the impacts be reversed?	N/A	Ranking of	
		concern?	
cope with impacts?	.,,,	level of public	
How resilient is the environment to	N/A	What is the	N/A
		impacts or mitigation?	
		required on	
impacts?		studies	
What is the confidence in predicting	N/A	Are further	N/A
Application ranking		T	
Duration	N/A		
	2014, or Coastal Zones as defined in the Coastal	Management Act	2016.
	Drilling is not with any aquatic reserves or mari	ne parks declared	under the Marine Estate Management Act
Proposed management controls	N/A		
Potential impacts	Activity not permitted in these areas.		
	Management Act 2014. Impacts on Coastal Zone		
Criteria Criteria	Sensitive Land Impacts: Impacts on aquatic rese	rves or marine par	rks declared under the Marine Estate
standards, plans, policies?	,		
Do the operations comply with	N/A		. 0
Can the impacts be mitigated?	N/A	Justification for	ranking
		significance	
can the impacts be reversed?	17/0	potential	
Can the impacts be reversed?	N/A	Ranking of	
cope with impacts?		concern?	
cope with impacts?	IN/A	level of public	IV/A
How resilient is the environment to	N/A	mitigation? What is the	N/A
		impacts or	
		required on	
impacts?		studies	
What is the confidence in predicting	N/A	Are further	N/A
Application ranking			
Duration	N/A		
Direction	1974 and/or the Biodiversity Conservation Act 2	U16.	
Proposed management controls	N/A - drilling not in an area subject to a 'conserv		under the National Parks and Wildlife Act
Potential impacts	Activity not permitted in these areas.		
Betweetelleren	Vegetation Conservation Act 1997		
		istered property a	greements under the repealed Native
	now repealed Nature Conservation Trust Act 200		
	continue to have effect even where legislation h	· ·	<u> </u>
	established under the Biodiversity Conservation		
	agreement established under the Biodiversity Co		9 9
	under the now repealed Threatened Species Co		
	1974 and/or the Biodiversity Conservation Act 2	•	
Criteria	Sensitive Land Impacts: Land subject to a 'conse	rvation agreement	under the National Parks and Wildlife Act
standards, plans, policies?			
Can the impacts be mitigated? Do the operations comply with	N/A	Justification for	rannilg
Can the impacts be mitigated?	N/A	significance	ranking
		potential	
Can the impacts be reversed?	N/A	Ranking of	
0	21/2	concern?	
cope with impacts?		level of public	
How resilient is the environment to	N/A	What is the	Low
		mitigation?	
		impacts or	
		required on	
impacts?		studies	
What is the confidence in predicting	N/A	Are further	· ·

Potential impacts				
Potential impacts	Negligible and only localised changes to drainage flows/flooding regime. Surface runoff can be sediment laden from areas where vegetation has been removed. Generally minimal surface water use (must be licensed or use of farm dams through landholder agreements). 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 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 Rehabilitation). Rehabilitation to occur as soon a	as practicable after	completion of activity.	
	Drilling is not occuring in any fishing grounds and	d commercial fish l	breeding or nursery areas.	
Duration Application replains	Short term			
Application ranking What is the confidence in predicting	High	Are further	No	
impacts?	111511	studies required on		
		impacts or		
		mitigation?	21/2	
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?	N/A	
Can the impacts be reversed?	Yes	Ranking of	Low	
•				
		potential		
		potential significance		
Can the impacts be mitigated?	Fully		ranking	
Do the operations comply with standards, plans, policies?	Yes	significance Justification for		
Do the operations comply with	· ·	significance Justification for ive lands including lues. This includes t protection areas or a 'special area' u	: a. Land within a state forest set aside flora reserves and special management - land declared to be a 'controlled area' or under the Water Management Act 2000 or	
Do the operations comply with standards, plans, policies?	Yes Sensitive Land Impacts: Impacts on other sensit under the Forestry Act 2012 for conservation va (and other) zones. b. Drinking water catchmen a 'special area' under the Water NSW Act 2014,	significance Justification for ive lands including lues. This includes t protection areas or a 'special area' udefined under the	: a. Land within a state forest set aside flora reserves and special management - land declared to be a 'controlled area' or under the Water Management Act 2000 or Water Management Act 2000.	
Do the operations comply with standards, plans, policies? Criteria	Yes Sensitive Land Impacts: Impacts on other sensit under the Forestry Act 2012 for conservation va (and other) zones. b. Drinking water catchmen a 'special area' under the Water NSW Act 2014, Hunter Water Act 1991. c. Waterfront land as	significance Justification for ive lands including lues. This includes t protection areas or a 'special area' to defined under the es in such sensitive	: a. Land within a state forest set aside flora reserves and special management - land declared to be a 'controlled area' or under the Water Management Act 2000 or Water Management Act 2000.	
Do the operations comply with standards, plans, policies? Criteria Potential impacts	Yes Sensitive Land Impacts: Impacts on other sensit under the Forestry Act 2012 for conservation va (and other) zones. b. Drinking water catchmen a 'special area' under the Water NSW Act 2014, Hunter Water Act 1991. c. Waterfront land as N/A CEA Location restrictions prevent activities N/A	significance Justification for ive lands including lues. This includes t protection areas or a 'special area' to defined under the es in such sensitive	: a. Land within a state forest set aside flora reserves and special management - land declared to be a 'controlled area' or under the Water Management Act 2000 or Water Management Act 2000.	
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls	Yes Sensitive Land Impacts: Impacts on other sensit under the Forestry Act 2012 for conservation va (and other) zones. b. Drinking water catchmen a 'special area' under the Water NSW Act 2014, Hunter Water Act 1991. c. Waterfront land as N/A CEA Location restrictions prevent activities N/A Drilling is not occuring in any of sensitive lands li	significance Justification for ive lands including lues. This includes t protection areas or a 'special area' to defined under the es in such sensitive	: a. Land within a state forest set aside flora reserves and special management - land declared to be a 'controlled area' or under the Water Management Act 2000 or Water Management Act 2000.	
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration	Yes Sensitive Land Impacts: Impacts on other sensit under the Forestry Act 2012 for conservation va (and other) zones. b. Drinking water catchmen a 'special area' under the Water NSW Act 2014, Hunter Water Act 1991. c. Waterfront land as N/A CEA Location restrictions prevent activities N/A Drilling is not occuring in any of sensitive lands li	significance Justification for ive lands including lues. This includes t protection areas or a 'special area' to defined under the es in such sensitive	: a. Land within a state forest set aside flora reserves and special management - land declared to be a 'controlled area' or under the Water Management Act 2000 or Water Management Act 2000.	
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting	Yes Sensitive Land Impacts: Impacts on other sensit under the Forestry Act 2012 for conservation va (and other) zones. b. Drinking water catchmen a 'special area' under the Water NSW Act 2014, Hunter Water Act 1991. c. Waterfront land as N/A CEA Location restrictions prevent activitie N/A Drilling is not occuring in any of sensitive lands in N/A	significance Justification for ive lands including lues. This includes t protection areas or a 'special area' udefined under the es in such sensitive sisted. Are further studies required on impacts or	: a. Land within a state forest set aside flora reserves and special management - land declared to be a 'controlled area' or under the Water Management Act 2000 or Water Management Act 2000. locations.	
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 Sensitive Land Impacts: Impacts on other sensit under the Forestry Act 2012 for conservation va (and other) zones. b. Drinking water catchmen a 'special area' under the Water NSW Act 2014, Hunter Water Act 1991. c. Waterfront land as N/A CEA Location restrictions prevent activitie N/A Drilling is not occuring in any of sensitive lands li N/A N/A	significance Justification for ive lands including lues. This includes t protection areas or a 'special area' udefined under the es in such sensitive sisted. Are further studies required on impacts or mitigation? What is the level of public	: a. Land within a state forest set aside flora reserves and special management - land declared to be a 'controlled area' or under the Water Management Act 2000 or Water Management Act 2000. locations.	
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?	Yes Sensitive Land Impacts: Impacts on other sensit under the Forestry Act 2012 for conservation va (and other) zones. b. Drinking water catchmen a 'special area' under the Water NSW Act 2014, Hunter Water Act 1991. c. Waterfront land as N/A CEA Location restrictions prevent activitien N/A Drilling is not occuring in any of sensitive lands in N/A N/A N/A N/A N/A	significance Justification for ive lands including lues. This includes t protection areas or a 'special area' to defined under the es in such sensitive sted. Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	: a. Land within a state forest set aside flora reserves and special management - land declared to be a 'controlled area' or under the Water Management Act 2000 or Water Management Act 2000. locations. N/A N/A	
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies?	Yes Sensitive Land Impacts: Impacts on other sensit under the Forestry Act 2012 for conservation va (and other) zones. b. Drinking water catchmen a 'special area' under the Water NSW Act 2014, Hunter Water Act 1991. c. Waterfront land as N/A CEA Location restrictions prevent activitie N/A Drilling is not occuring in any of sensitive lands li N/A N/A N/A N/A N/A N/A	significance Justification for Justification for live lands including lues. This includes t protection areas or a 'special area' to defined under the es in such sensitive listed. Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for	: a. Land within a state forest set aside flora reserves and special management - land declared to be a 'controlled area' or under the Water Management Act 2000 or Water Management Act 2000. locations. N/A N/A N/A	
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with	Yes Sensitive Land Impacts: Impacts on other sensit under the Forestry Act 2012 for conservation va (and other) zones. b. Drinking water catchmen a 'special area' under the Water NSW Act 2014, Hunter Water Act 1991. c. Waterfront land as N/A CEA Location restrictions prevent activitien N/A Drilling is not occuring in any of sensitive lands in N/A N/A N/A N/A N/A	significance Justification for Justification for live lands including lues. This includes t protection areas or a 'special area' to defined under the es in such sensitive listed. Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for	: a. Land within a state forest set aside flora reserves and special management - land declared to be a 'controlled area' or under the Water Management Act 2000 or Water Management Act 2000. locations. N/A N/A N/A N/A hin the meaning of the Crown Lands Act	

Proposed management controls	N/A		
Proposed management controls	Drilling is not occuring in any areas reserved or o	ledicated within th	e meaning of the Crown Lands Act
	1989/Crown Lands Management Act 2016 for pr		=
	protection purposes.		
Duration	N/A		
Application ranking			
What is the confidence in predicting	N/A	Are further	N/A
impacts?	N/A	studies	N/A
impacts.		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	N/A	What is the	N/A
cope with impacts?	N/A	level of public	N/A
cope with impacts.		concern?	
Can the impacts be reversed?	N/A	Ranking of	
can the impacts be reverseu:	NA	potential	
		significance	
Con the imports he mitigated?	NI/A	Justification for	uankina
Can the impacts be mitigated?	N/A	Justilication for	Talikilig
Do the operations comply with	N/A		
standards, plans, policies? Criteria	Consisting Land Impacts Impacts on land identific	 d oc wilderness er	declared a wilderness area under the
Criteria	Sensitive Land Impacts: Impacts on land identifice Wilderness Act 1987.	ed as wilderness or	declared a wilderness area under the
Detential impacts			
Proposed management controls	Activity not permitted in these areas.		
Proposed management controls	N/A	المعمومة عصاصات	od a wildownosa aroa wadaa tha Wilda
	Drilling is not occuring in an area identified as wi	nuerness or declar	ed a wilderness area under the Wilderness
D. attack	Act 1987.		
Duration	N/A		
Application ranking	21/2		21/2
What is the confidence in predicting	N/A	Are further	N/A
impacts?		studies	
		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	N/A	What is the	N/A
cope with impacts?		level of public	
		concern?	
Can the impacts be reversed?	N/A	Ranking of	
		potential	
		significance	
Can the impacts be mitigated?	N/A	Justification for	ranking
Do the operations comply with	N/A		
standards, plans, policies?			
Criteria	Sensitive Lands: Impacts on wetlands of internat	-	
	on Wetlands and those designated as a national	ly important wetla	nd in the Directory of Important Wetlands
	of Australia.		
Potential impacts	Activity not permitted in these areas.		
Potential impacts Proposed management controls	Activity not permitted in these areas. N/A		
	Activity not permitted in these areas. N/A Drilling is not occuring in or near any wetlands o	_	=
	Activity not permitted in these areas. N/A Drilling is not occuring in or near any wetlands o Convention on Wetlands or those designated as	_	=
Proposed management controls	Activity not permitted in these areas. N/A Drilling is not occuring in or near any wetlands o Convention on Wetlands or those designated as Important Wetlands of Australia.	_	=
Proposed management controls Duration	Activity not permitted in these areas. N/A Drilling is not occuring in or near any wetlands o Convention on Wetlands or those designated as	_	=
Proposed management controls Duration Application ranking	Activity not permitted in these areas. N/A Drilling is not occuring in or near any wetlands o Convention on Wetlands or those designated as Important Wetlands of Australia. N/A	a nationally impor	tant wetland in the Directory of
Proposed management controls Duration	Activity not permitted in these areas. N/A Drilling is not occuring in or near any wetlands o Convention on Wetlands or those designated as Important Wetlands of Australia.	_	_
Proposed management controls Duration Application ranking	Activity not permitted in these areas. N/A Drilling is not occuring in or near any wetlands o Convention on Wetlands or those designated as Important Wetlands of Australia. N/A	a nationally impor	tant wetland in the Directory of
Proposed management controls Duration Application ranking What is the confidence in predicting	Activity not permitted in these areas. N/A Drilling is not occuring in or near any wetlands o Convention on Wetlands or those designated as Important Wetlands of Australia. N/A	a nationally impor	tant wetland in the Directory of
Proposed management controls Duration Application ranking What is the confidence in predicting	Activity not permitted in these areas. N/A Drilling is not occuring in or near any wetlands o Convention on Wetlands or those designated as Important Wetlands of Australia. N/A	a nationally impor	tant wetland in the Directory of
Proposed management controls Duration Application ranking What is the confidence in predicting	Activity not permitted in these areas. N/A Drilling is not occuring in or near any wetlands o Convention on Wetlands or those designated as Important Wetlands of Australia. N/A	a nationally impor Are further studies required on	tant wetland in the Directory of
Proposed management controls Duration Application ranking What is the confidence in predicting	Activity not permitted in these areas. N/A Drilling is not occuring in or near any wetlands o Convention on Wetlands or those designated as Important Wetlands of Australia. N/A	Are further studies required on impacts or	tant wetland in the Directory of
Proposed management controls Duration Application ranking What is the confidence in predicting impacts?	Activity not permitted in these areas. N/A Drilling is not occuring in or near any wetlands o Convention on Wetlands or those designated as Important Wetlands of Australia. N/A N/A	Are further studies required on impacts or mitigation?	tant wetland in the Directory of N/A
Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to	Activity not permitted in these areas. N/A Drilling is not occuring in or near any wetlands o Convention on Wetlands or those designated as Important Wetlands of Australia. N/A N/A	Are further studies required on impacts or mitigation?	tant wetland in the Directory of N/A
Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	Activity not permitted in these areas. N/A Drilling is not occuring in or near any wetlands o Convention on Wetlands or those designated as Important Wetlands of Australia. N/A N/A	Are further studies required on impacts or mitigation? What is the level of public	tant wetland in the Directory of N/A
Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to	Activity not permitted in these areas. N/A Drilling is not occuring in or near any wetlands o Convention on Wetlands or those designated as Important Wetlands of Australia. N/A N/A	Are further studies required on impacts or mitigation? What is the level of public concern?	tant wetland in the Directory of N/A
Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	Activity not permitted in these areas. N/A Drilling is not occuring in or near any wetlands o Convention on Wetlands or those designated as Important Wetlands of Australia. N/A N/A	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	tant wetland in the Directory 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 Drilling is not occuring in or near any wetlands o Convention on Wetlands or those designated as Important Wetlands of Australia. N/A N/A N/A	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	N/A N/A
Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	Activity not permitted in these areas. N/A Drilling is not occuring in or near any wetlands o Convention on Wetlands or those designated as Important Wetlands of Australia. N/A N/A	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	N/A N/A

Criteria	Sensitive Land Impacts: Impacts on land identifie biodiversity / conservation significance or zoned management. Includes Coastal Wetlands and Lit	l for environmenta	l conservation, protection and/or
	(Resilience and Hazards) 2021.	.torarrannorests u	inder State Environmental Flamming Folicy
Detential immedia	,		
Potential impacts	Activity not permitted in these areas.		
Proposed management controls	N/A		
	Drilling is not occuring in any area that is identifi	ied in an environm	ental planning instrument as being of
	biodiversity / conservation significance or zoned	I for environmenta	l conservation, protection and/or
	management.		
Duration	N/A		
Application ranking	14/1		
	N1/A	A C .ali	L 81/8
What is the confidence in predicting	N/A	Are further	N/A
impacts?		studies	
		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	N/A	What is the	N/A
cope with impacts?	,	level of public	,
cope with impacts.		concern?	
0	N1/A		
Can the impacts be reversed?	N/A	Ranking of	
		potential	
		significance	
Can the impacts be mitigated?	N/A	Justification for	ranking
Do the operations comply with	N/A		-
standards, plans, policies?	,		
Criteria	Sonsitive Land Impacts: Impacts on Aberiginal he	oritago protoction	areas: a Aberiginal places and objects
Citteria	Sensitive Land Impacts: Impacts on Aboriginal he		
	under the National Parks and Wildlife Act 1974	b. Areas of Aborig	ginal cultural significance identified in an
	environmental planning instrument.		
Potential impacts	Activity not permitted in these areas.		
Proposed management controls	N/A		
-	Drilling is not occuring in or near Aboriginal plac	es and objects, or	in areas of Aboriginal cultural significance
	identified in an environmental planning instrum	-	
Duration	N/A		
	N/A		
Application ranking	21/2		I
What is the confidence in predicting	N/A	Are further	N/A
impacts?		studies	
		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	N/A	What is the	N/A
	TV/A		14/74
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	N/A		
standards, plans, policies?	,		
Criteria Standards, plans, poneies.	Sensitive Land Impacts: Impacts on heritage pro	toction areas (hist	oric or natural): a Nationally and
Criteria		•	
	internationally recognised heritage sites or area	,	,
	Commonwealth Heritage List) b. Items listed o	_	c. Heritage items and conservation areas
	identified in an environmental planning instrum	ent	
Potential impacts	CEA activities not permitted in these areas.		
Proposed management controls	N/A		
-	Drilling is not occuring in or near any areas of he	eritage proction (hi	storical or natural)
Duration	N/A	5 , (,
Application ranking	.4		
• • • • • • • • • • • • • • • • • • • •	21/2		1
What is the confidence in predicting	N/A	Are further	N/A
impacts?		1 .12	ĺ
		studies	
		required on	
		required on	
How resilient is the environment to	N/A	required on impacts or mitigation?	N/A
How resilient is the environment to	N/A	required on impacts or mitigation? What is the	N/A
How resilient is the environment to cope with impacts?	N/A	required on impacts or mitigation? What is the level of public	N/A
cope with impacts?	,	required on impacts or mitigation? What is the level of public concern?	N/A
	N/A	required on impacts or mitigation? What is the level of public	N/A
cope with impacts?	,	required on impacts or mitigation? What is the level of public concern?	N/A
cope with impacts?	,	required on impacts or mitigation? What is the level of public concern? Ranking of	N/A
cope with impacts?	,	required on impacts or mitigation? What is the level of public concern? Ranking of potential	·

Do the operations comply with standards, plans, policies?	N/A			
Criteria	Sensitive Land Impacts: Impacts on community la		er the Local Government Act 1993 (for	
	which a plan of management has been prepared).			
Potential impacts	Activity not permitted in these areas.			
Proposed management controls	N/A Drilling is not occuring in an area classed as community land.			
Duration	N/A	inunity lanu.		
Application ranking	IV/O			
What is the confidence in predicting	N/A	Are further	N/A	
impacts?	1477	studies	.,,	
·		required on		
		impacts or		
		mitigation?		
How resilient is the environment to	N/A	What is the	N/A	
cope with impacts?		level of public		
Com the immeda he was and 2	NI/A	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	N/A			
standards, plans, policies?				
Criteria	Sensitive Land Impacts: Impacts on bushfire pror	ne areas.		
Potential impacts	Plant and machinery may be an ignition source.			
Proposed management controls	Activities must comply with CEA Location Restric	tions, Impact Thre	sholds and Criteria. Activities must	
	comply with (Exploration Code of Practice: Enviro	_	· ·	
	application (APO). Relevant requirements of this	_	=	
	implementing suitable controls to manage risks (9	
	or Catastrophic Fire Conditions will largely negat requirements. Any existing/proposed access		ties must comply with WHS legislative	
Duration	Short term	tracks can be used	a as medicars in event of me.	
Application ranking				
What is the confidence in predicting	High	Are further	No	
impacts?		studies		
		required on		
		impacts or		
		mitigation?		
How resilient is the environment to	High Resilience	What is the	Low	
cope with impacts?		level of public concern?		
Can the impacts be reversed?	Yes	Ranking of	Low	
		potential	2011	
		significance		
Can the impacts be mitigated?				
	Fully	Justification for	ranking	
Do the operations comply with	Fully Yes	Justification for	ranking	
standards, plans, policies?	Yes			
	Yes Social Impacts: Any impacts which result in a cha	ange in the demog	raphic structure of the community,	
standards, plans, policies?	Yes Social Impacts: Any impacts which result in a chaincluding changes to workforce or industry struct	ange in the demog ture of the area/re	raphic structure of the community, egion. Including change in demand for	
standards, plans, policies? Criteria	Yes Social Impacts: Any impacts which result in a chaincluding changes to workforce or industry structommunity resources (eg community facilities, community resources)	ange in the demog ture of the area/re ommunity service	raphic structure of the community, egion. Including change in demand for s and labour force).	
standards, plans, policies? Criteria	Yes Social Impacts: Any impacts which result in a chaincluding changes to workforce or industry struct	inge in the demog ture of the area/re ommunity service e demographic str	raphic structure of the community, egion. Including change in demand for s and labour force). ructure of the community. Negligible	
standards, plans, policies?	Yes Social Impacts: Any impacts which result in a chaincluding changes to workforce or industry structommunity resources (eg community facilities, cultimited potential for any significant change in the	inge in the demog ture of the area/re ommunity service e demographic str or community reso	raphic structure of the community, egion. Including change in demand for s and labour force). ructure of the community. Negligible rucces. Minimal increase in demand fo	
standards, plans, policies? Criteria	Yes Social Impacts: Any impacts which result in a chaincluding changes to workforce or industry structommunity resources (eg community facilities, climited potential for any significant change in thimpacts and only localised changes in demand for	inge in the demog ture of the area/re ommunity service e demographic str or community reso	raphic structure of the community, egion. Including change in demand for s and labour force). ructure of the community. Negligible rucces. Minimal increase in demand fo	
standards, plans, policies? Criteria Potential impacts	Yes Social Impacts: Any impacts which result in a chaincluding changes to workforce or industry structommunity resources (eg community facilities, cultimited potential for any significant change in the impacts and only localised changes in demand for accommodation, food, mechanical and fuel supply. Negligible impacts likely due to low personnel numbers.	ange in the demog ture of the area/re ommunity service e demographic str or community reso olies, etc. Not larg	raphic structure of the community, egion. Including change in demand for s and labour force). ructure of the community. Negligible rucces. Minimal increase in demand for e enough to warrant significant changes in	
standards, plans, policies? Criteria Potential impacts Proposed management controls	Yes Social Impacts: Any impacts which result in a chaincluding changes to workforce or industry structommunity resources (eg community facilities, cultimited potential for any significant change in the impacts and only localised changes in demand for accommodation, food, mechanical and fuel supp supply. Negligible impacts likely due to low personnel nupositive for suppliers of services and goods utilise.	ange in the demog ture of the area/re ommunity service e demographic str or community reso olies, etc. Not larg	raphic structure of the community, egion. Including change in demand for s and labour force). ructure of the community. Negligible rucces. Minimal increase in demand for e enough to warrant significant changes in	
standards, plans, policies? Criteria Potential impacts Proposed management controls Duration	Yes Social Impacts: Any impacts which result in a chaincluding changes to workforce or industry structommunity resources (eg community facilities, cultimited potential for any significant change in the impacts and only localised changes in demand for accommodation, food, mechanical and fuel supply. Negligible impacts likely due to low personnel numbers.	ange in the demog ture of the area/re ommunity service e demographic str or community reso olies, etc. Not larg	raphic structure of the community, egion. Including change in demand for s and labour force). ructure of the community. Negligible rucces. Minimal increase in demand for e enough to warrant significant changes in	
standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking	Yes Social Impacts: Any impacts which result in a chaincluding changes to workforce or industry structommunity resources (eg community facilities, cultimited potential for any significant change in the impacts and only localised changes in demand for accommodation, food, mechanical and fuel supp supply. Negligible impacts likely due to low personnel nupositive for suppliers of services and goods utilise.	ange in the demog ture of the area/re ommunity service e demographic str or community reso olies, etc. Not larg umbers and tempo ed.	raphic structure of the community, egion. Including change in demand for s and labour force). ructure of the community. Negligible ruces. Minimal increase in demand for e enough to warrant significant changes in prary nature of exploration. Generally	
standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting	Yes Social Impacts: Any impacts which result in a chaincluding changes to workforce or industry structommunity resources (eg community facilities, cultimited potential for any significant change in the impacts and only localised changes in demand for accommodation, food, mechanical and fuel supp supply. Negligible impacts likely due to low personnel nupositive for suppliers of services and goods utilise.	ange in the demog ture of the area/re ommunity service e demographic str or community reso blies, etc. Not larg umbers and tempo ed.	raphic structure of the community, egion. Including change in demand for s and labour force). ructure of the community. Negligible rucces. Minimal increase in demand for e enough to warrant significant changes in	
standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking	Yes Social Impacts: Any impacts which result in a chaincluding changes to workforce or industry structommunity resources (eg community facilities, cultimited potential for any significant change in the impacts and only localised changes in demand for accommodation, food, mechanical and fuel supp supply. Negligible impacts likely due to low personnel nupositive for suppliers of services and goods utilise.	ange in the demog ture of the area/re ommunity service e demographic str or community reso plies, etc. Not larg umbers and tempo ed. Are further studies	raphic structure of the community, egion. Including change in demand for s and labour force). ructure of the community. Negligible rurces. Minimal increase in demand for e enough to warrant significant changes i orary nature of exploration. Generally	
standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting	Yes Social Impacts: Any impacts which result in a chaincluding changes to workforce or industry structommunity resources (eg community facilities, cultimited potential for any significant change in the impacts and only localised changes in demand for accommodation, food, mechanical and fuel supp supply. Negligible impacts likely due to low personnel nupositive for suppliers of services and goods utilise.	ange in the demog ture of the area/re ommunity service e demographic str or community reso olies, etc. Not larg umbers and tempo ed. Are further studies required on	raphic structure of the community, egion. Including change in demand for s and labour force). ructure of the community. Negligible ruces. Minimal increase in demand for e enough to warrant significant changes in prary nature of exploration. Generally	
standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting	Yes Social Impacts: Any impacts which result in a chaincluding changes to workforce or industry structommunity resources (eg community facilities, cultimited potential for any significant change in the impacts and only localised changes in demand for accommodation, food, mechanical and fuel supp supply. Negligible impacts likely due to low personnel nupositive for suppliers of services and goods utilise.	ange in the demog ture of the area/re ommunity service e demographic str or community reso blies, etc. Not larg umbers and tempo ed. Are further studies required on impacts or	raphic structure of the community, egion. Including change in demand for s and labour force). ructure of the community. Negligible ruces. Minimal increase in demand for e enough to warrant significant changes in orary nature of exploration. Generally	
standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts?	Yes Social Impacts: Any impacts which result in a chaincluding changes to workforce or industry structommunity resources (eg community facilities, chimited potential for any significant change in thimpacts and only localised changes in demand for accommodation, food, mechanical and fuel supply. Negligible impacts likely due to low personnel nupositive for suppliers of services and goods utilise. Short term	ange in the demog ture of the area/re ommunity service e demographic stror community resolies, etc. Not largumbers and tempored. Are further studies required on impacts or mitigation?	raphic structure of the community, egion. Including change in demand for s and labour force). ructure of the community. Negligible rucces. Minimal increase in demand for e enough to warrant significant changes i prary nature of exploration. Generally	
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 Social Impacts: Any impacts which result in a chaincluding changes to workforce or industry structommunity resources (eg community facilities, cultimited potential for any significant change in the impacts and only localised changes in demand for accommodation, food, mechanical and fuel supp supply. Negligible impacts likely due to low personnel nupositive for suppliers of services and goods utilise.	ange in the demog ture of the area/re ommunity service e demographic stror community resolies, etc. Not largumbers and tempored. Are further studies required on impacts or mitigation? What is the	raphic structure of the community, egion. Including change in demand for s and labour force). ructure of the community. Negligible ruces. Minimal increase in demand for e enough to warrant significant changes in orary nature of exploration. Generally	
standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts?	Yes Social Impacts: Any impacts which result in a chaincluding changes to workforce or industry structommunity resources (eg community facilities, chimited potential for any significant change in thimpacts and only localised changes in demand for accommodation, food, mechanical and fuel supply. Negligible impacts likely due to low personnel nupositive for suppliers of services and goods utilise. Short term	ange in the demog ture of the area/re ommunity service e demographic stror community resolies, etc. Not largumbers and tempored. Are further studies required on impacts or mitigation?	raphic structure of the community, egion. Including change in demand for s and labour force). ructure of the community. Negligible rucces. Minimal increase in demand for e enough to warrant significant changes in prary nature of exploration. Generally	
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 Social Impacts: Any impacts which result in a chaincluding changes to workforce or industry structommunity resources (eg community facilities, chimited potential for any significant change in thimpacts and only localised changes in demand for accommodation, food, mechanical and fuel supply. Negligible impacts likely due to low personnel nupositive for suppliers of services and goods utilise. Short term	ange in the demog ture of the area/re ommunity service e demographic stror community resolies, etc. Not largumbers and tempored. Are further studies required on impacts or mitigation? What is the level of public	raphic structure of the community, egion. Including change in demand for s and labour force). ructure of the community. Negligible rucces. Minimal increase in demand for e enough to warrant significant changes in prary nature of exploration. Generally	
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?	Yes Social Impacts: Any impacts which result in a chaincluding changes to workforce or industry structommunity resources (eg community facilities, of Limited potential for any significant change in the impacts and only localised changes in demand for accommodation, food, mechanical and fuel supply. Negligible impacts likely due to low personnel nupositive for suppliers of services and goods utilise. Short term High High Resilience	ange in the demog ture of the area/re ommunity service e demographic stror community resolies, etc. Not largumbers and tempored. Are further studies required on impacts or mitigation? What is the level of public concern?	raphic structure of the community, egion. Including change in demand for s and labour force). ructure of the community. Negligible rucces. Minimal increase in demand for e enough to warrant significant changes in prary nature of exploration. Generally	

Can the impacts be mitigated?	Fully	Justification for	ranking		
Do the operations comply with	Yes				
standards, plans, policies?					
Criteria	Social Impacts: Any environmental impact that r (including loss of facilities or loss of community)	•	tial change or disruption to the community		
Potential impacts	Environmental impacts from activities not of a nature to cause any significant or long term change or				
	disruption to community. Areas used for exploration activities, temporarily removed from natural				
	systems and / community use. Short term noise, air quality and visual impacts.				
Proposed management controls	Activities must comply with CEA Location Restric				
		ronmental Management) as per the commitment in the			
		tion (APO). Relevant requirements of this Code include minimising potential impacts on all ironment (including water, land, air). All disturbed areas to be rehabilitated in accorda			
	the environment (including water, land, air).	ehabilitation). Rehabilitation to occur as soon as practicable			
	after completion of activity (including sealing of				
Duration	Short term	any borenoies).			
Application ranking					
What is the confidence in predicting	High	Are further	No		
impacts?		studies			
		required on			
		impacts or			
		mitigation?			
How resilient is the environment to	High Resilience	What is the	Low		
cope with impacts?		level of public concern?			
Can the impacts be reversed?	Yes	Ranking of	Low		
can the impacts be reversed:	163	potential	LOW		
		significance			
Can the impacts be mitigated?	Partly	Justification for	ranking		
Do the operations comply with	Yes				
standards, plans, policies?					
Criteria	Social Impacts: Any impacts which result in some				
	disadvantaged (e.g. change to community facilit		-		
Potential impacts		e any significant or long term change or disruption to tly impact on individuals or communities - short term impact			
	, , , , , , , , , , , , , , , , , , , ,				
	only Areas used for exploration activities to	mnorarily remove	d from natural systems and / community		
			d from natural systems and / community		
Proposed management controls	only. Areas used for exploration activities, to use. Short term noise, air quality and visual in Activities must comply with CEA Location Restrict	mpacts.			
Proposed management controls	use. Short term noise, air quality and visual i	mpacts. ctions, Impact Thre	esholds and Criteria. Activities must		
Proposed management controls	use. Short term noise, air quality and visual i Activities must comply with CEA Location Restric	mpacts. ctions, Impact Thre onmental Manage	esholds and Criteria. Activities must		
Proposed management controls	use. Short term noise, air quality and visual i Activities must comply with CEA Location Restric comply with (Exploration Code of Practice: Envir application (APO). Relevant requirements of thi (water, land, soil, air), culture and heritage.	mpacts. ctions, Impact Thre onmental Manage s Code include pro All disturbed areas	esholds and Criteria. Activities must ment) as per the commitment in the tection of all elements of the environment to be rehabilitated in accordance with		
Proposed management controls	use. Short term noise, air quality and visual i Activities must comply with CEA Location Restriction comply with (Exploration Code of Practice: Envirus application (APO). Relevant requirements of this (water, land, soil, air), culture and heritage. It title conditions (Exploration Code of Practice: Research	mpacts. ctions, Impact Thre onmental Manage s Code include pro All disturbed areas chabilitation). Reha	esholds and Criteria. Activities must ment) as per the commitment in the tection of all elements of the environment to be rehabilitated in accordance with abilitation to occur as soon as practicable		
Proposed management controls	use. Short term noise, air quality and visual i Activities must comply with CEA Location Restriction comply with (Exploration Code of Practice: Envirus application (APO). Relevant requirements of this (water, land, soil, air), culture and heritage. It title conditions (Exploration Code of Practice: Reafter completion of activity. Legislative requ	mpacts. ctions, Impact Thre conmental Manage s Code include pro All disturbed areas shabilitation). Reha irement for landho	esholds and Criteria. Activities must ment) as per the commitment in the tection of all elements of the environment to be rehabilitated in accordance with abilitation to occur as soon as practicable older access arrangements and		
Proposed management controls	use. Short term noise, air quality and visual i Activities must comply with CEA Location Restriction comply with (Exploration Code of Practice: Environments of this (water, land, soil, air), culture and heritage. It title conditions (Exploration Code of Practice: Reafter completion of activity. Legislative requironments in the completion of activity.	mpacts. ctions, Impact Thre conmental Manage s Code include pro All disturbed areas chabilitation). Reha irement for landho	esholds and Criteria. Activities must ment) as per the commitment in the tection of all elements of the environment to be rehabilitated in accordance with abilitation to occur as soon as practicable older access arrangements and er Mining Act available to mitigate		
	use. Short term noise, air quality and visual i Activities must comply with CEA Location Restriction comply with (Exploration Code of Practice: Enviruapplication (APO). Relevant requirements of this (water, land, soil, air), culture and heritage. It title conditions (Exploration Code of Practice: Reafter completion of activity. Legislative requirements air compensation limit any potential impacts. Compensation. Activities must comply with WH.	mpacts. ctions, Impact Thre conmental Manage s Code include pro All disturbed areas chabilitation). Reha irement for landho	esholds and Criteria. Activities must ment) as per the commitment in the tection of all elements of the environment to be rehabilitated in accordance with abilitation to occur as soon as practicable older access arrangements and er Mining Act available to mitigate		
Duration	use. Short term noise, air quality and visual i Activities must comply with CEA Location Restriction comply with (Exploration Code of Practice: Environments of this (water, land, soil, air), culture and heritage. It title conditions (Exploration Code of Practice: Reafter completion of activity. Legislative requironments in the completion of activity.	mpacts. ctions, Impact Thre conmental Manage s Code include pro All disturbed areas chabilitation). Reha irement for landho	esholds and Criteria. Activities must ment) as per the commitment in the tection of all elements of the environment to be rehabilitated in accordance with abilitation to occur as soon as practicable older access arrangements and er Mining Act available to mitigate		
	use. Short term noise, air quality and visual i Activities must comply with CEA Location Restriction comply with (Exploration Code of Practice: Enviruapplication (APO). Relevant requirements of this (water, land, soil, air), culture and heritage. It title conditions (Exploration Code of Practice: Reafter completion of activity. Legislative requirements air compensation limit any potential impacts. Compensation. Activities must comply with WH.	mpacts. ctions, Impact Thre conmental Manage s Code include pro All disturbed areas chabilitation). Reha irement for landho	esholds and Criteria. Activities must ment) as per the commitment in the tection of all elements of the environment to be rehabilitated in accordance with abilitation to occur as soon as practicable older access arrangements and er Mining Act available to mitigate		
Duration Application ranking	use. Short term noise, air quality and visual i Activities must comply with CEA Location Restrict comply with (Exploration Code of Practice: Enviruapplication (APO). Relevant requirements of this (water, land, soil, air), culture and heritage. It title conditions (Exploration Code of Practice: Reafter completion of activity. Legislative requirements compensation limit any potential impacts. Compensation. Activities must comply with WHI	mpacts. ctions, Impact Thre conmental Manage s Code include pro All disturbed areas chabilitation). Reha irement for landho compensation und S legislative require	esholds and Criteria. Activities must ment) as per the commitment in the tection of all elements of the environment to be rehabilitated in accordance with abilitation to occur as soon as practicable older access arrangements and er Mining Act available to mitigate ements.		
Duration Application ranking What is the confidence in predicting	use. Short term noise, air quality and visual i Activities must comply with CEA Location Restrict comply with (Exploration Code of Practice: Enviruapplication (APO). Relevant requirements of this (water, land, soil, air), culture and heritage. It title conditions (Exploration Code of Practice: Reafter completion of activity. Legislative requirements compensation limit any potential impacts. Compensation. Activities must comply with WHI	mpacts. ctions, Impact Thre conmental Manage s Code include pro All disturbed areas chabilitation). Reha irement for landho compensation und S legislative require	esholds and Criteria. Activities must ment) as per the commitment in the tection of all elements of the environment to be rehabilitated in accordance with abilitation to occur as soon as practicable older access arrangements and er Mining Act available to mitigate ements.		
Duration Application ranking What is the confidence in predicting	use. Short term noise, air quality and visual i Activities must comply with CEA Location Restrict comply with (Exploration Code of Practice: Enviruapplication (APO). Relevant requirements of this (water, land, soil, air), culture and heritage. It title conditions (Exploration Code of Practice: Reafter completion of activity. Legislative requirements compensation limit any potential impacts. Compensation. Activities must comply with WHI	mpacts. ctions, Impact Thre conmental Manage s Code include pro All disturbed areas chabilitation). Reha irement for landho compensation und S legislative require Are further studies required on impacts or	esholds and Criteria. Activities must ment) as per the commitment in the tection of all elements of the environment to be rehabilitated in accordance with abilitation to occur as soon as practicable older access arrangements and er Mining Act available to mitigate ements.		
Duration Application ranking What is the confidence in predicting impacts?	use. Short term noise, air quality and visual i Activities must comply with CEA Location Restric comply with (Exploration Code of Practice: Envir application (APO). Relevant requirements of thi (water, land, soil, air), culture and heritage. title conditions (Exploration Code of Practice: Re after completion of activity. Legislative requ compensation limit any potential impacts. Compensation. Activities must comply with WH. Short term High	mpacts. ctions, Impact Thre conmental Manage s Code include pro All disturbed areas chabilitation). Reha irement for landho compensation und S legislative require Are further studies required on impacts or mitigation?	esholds and Criteria. Activities must ment) as per the commitment in the stection of all elements of the environment to be rehabilitated in accordance with abilitation to occur as soon as practicable older access arrangements and er Mining Act available to mitigate ements.		
Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to	use. Short term noise, air quality and visual i Activities must comply with CEA Location Restrict comply with (Exploration Code of Practice: Enviruapplication (APO). Relevant requirements of this (water, land, soil, air), culture and heritage. It title conditions (Exploration Code of Practice: Reafter completion of activity. Legislative requirements compensation limit any potential impacts. Compensation. Activities must comply with WHI	mpacts. ctions, Impact Thre conmental Manage s Code include pro All disturbed areas chabilitation). Reha irement for landho compensation und S legislative require Are further studies required on impacts or mitigation? What is the	esholds and Criteria. Activities must ment) as per the commitment in the tection of all elements of the environment to be rehabilitated in accordance with abilitation to occur as soon as practicable older access arrangements and er Mining Act available to mitigate ements.		
Duration Application ranking What is the confidence in predicting impacts?	use. Short term noise, air quality and visual i Activities must comply with CEA Location Restric comply with (Exploration Code of Practice: Envir application (APO). Relevant requirements of thi (water, land, soil, air), culture and heritage. title conditions (Exploration Code of Practice: Re after completion of activity. Legislative requ compensation limit any potential impacts. Compensation. Activities must comply with WH. Short term High	mpacts. ctions, Impact Thre conmental Manage s Code include pro All disturbed areas chabilitation). Reha irement for landho compensation und S legislative require Are further studies required on impacts or mitigation? What is the level of public	esholds and Criteria. Activities must ment) as per the commitment in the stection of all elements of the environment to be rehabilitated in accordance with abilitation to occur as soon as practicable older access arrangements and er Mining Act available to mitigate ements.		
Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	use. Short term noise, air quality and visual i Activities must comply with CEA Location Restric comply with (Exploration Code of Practice: Envir application (APO). Relevant requirements of thi (water, land, soil, air), culture and heritage. title conditions (Exploration Code of Practice: Re after completion of activity. Legislative requ compensation limit any potential impacts. Compensation. Activities must comply with WH. Short term High High Resilience	mpacts. ctions, Impact Thre conmental Manage s Code include pro All disturbed areas chabilitation). Reha irement for landho compensation und S legislative require Are further studies required on impacts or mitigation? What is the level of public concern?	esholds and Criteria. Activities must ment) as per the commitment in the tection of all elements of the environment to be rehabilitated in accordance with abilitation to occur as soon as practicable older access arrangements and er Mining Act available to mitigate ements. No		
Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to	use. Short term noise, air quality and visual i Activities must comply with CEA Location Restric comply with (Exploration Code of Practice: Envir application (APO). Relevant requirements of thi (water, land, soil, air), culture and heritage. title conditions (Exploration Code of Practice: Re after completion of activity. Legislative requ compensation limit any potential impacts. Compensation. Activities must comply with WH. Short term High	mpacts. ctions, Impact Thre conmental Manage s Code include pro All disturbed areas chabilitation). Reha irement for landho compensation und S legislative require Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of	esholds and Criteria. Activities must ment) as per the commitment in the stection of all elements of the environment to be rehabilitated in accordance with abilitation to occur as soon as practicable older access arrangements and er Mining Act available to mitigate ements.		
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Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	use. Short term noise, air quality and visual i Activities must comply with CEA Location Restric comply with (Exploration Code of Practice: Envir application (APO). Relevant requirements of thi (water, land, soil, air), culture and heritage. title conditions (Exploration Code of Practice: Re after completion of activity. Legislative requ compensation limit any potential impacts. Compensation. Activities must comply with WH. Short term High High Resilience	mpacts. ctions, Impact Thre conmental Manage s Code include pro All disturbed areas chabilitation). Reha irement for landho compensation und S legislative require Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of	esholds and Criteria. Activities must the ement) as per the commitment in the exection of all elements of the environment to be rehabilitated in accordance with abilitation to occur as soon as practicable older access arrangements and er Mining Act available to mitigate ements. No Low Low		
Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed?	use. Short term noise, air quality and visual i Activities must comply with CEA Location Restric comply with (Exploration Code of Practice: Envir application (APO). Relevant requirements of thi (water, land, soil, air), culture and heritage. title conditions (Exploration Code of Practice: Re after completion of activity. Legislative requ compensation limit any potential impacts. Compensation. Activities must comply with WH. Short term High High Resilience	mpacts. ctions, Impact Thre conmental Manage s Code include pro All disturbed areas chabilitation). Reha irement for landho compensation und S legislative require Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	esholds and Criteria. Activities must the ement) as per the commitment in the exection of all elements of the environment to be rehabilitated in accordance with abilitation to occur as soon as practicable older access arrangements and er Mining Act available to mitigate ements. No Low Low		
Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed?	use. Short term noise, air quality and visual i Activities must comply with CEA Location Restric comply with (Exploration Code of Practice: Envir application (APO). Relevant requirements of thi (water, land, soil, air), culture and heritage. title conditions (Exploration Code of Practice: Re after completion of activity. Legislative requ compensation limit any potential impacts. Compensation. Activities must comply with WH. Short term High High Resilience	mpacts. ctions, Impact Thre conmental Manage s Code include pro All disturbed areas chabilitation). Reha irement for landho compensation und S legislative require Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	esholds and Criteria. Activities must the ement) as per the commitment in the exection of all elements of the environment to be rehabilitated in accordance with abilitation to occur as soon as practicable older access arrangements and er Mining Act available to mitigate ements. No Low Low		
Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with	use. Short term noise, air quality and visual is Activities must comply with CEA Location Restrict comply with (Exploration Code of Practice: Environapplication (APO). Relevant requirements of this (water, land, soil, air), culture and heritage. It it is conditions (Exploration Code of Practice: Reafter completion of activity. Legislative requirements compensation limit any potential impacts. Compensation. Activities must comply with WH: Short term High High Resilience Yes Fully Yes Social Impacts: Any impacts on the health, safety	mpacts. ctions, Impact Thre conmental Manage s Code include pro All disturbed areas chabilitation). Rehairement for landho compensation unde S legislative require Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for	esholds and Criteria. Activities must ment) as per the commitment in the tection of all elements of the environment to be rehabilitated in accordance with abilitation to occur as soon as practicable older access arrangements and er Mining Act available to mitigate ements. No Low Low ranking re of individuals or communities caused by		
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	use. Short term noise, air quality and visual is Activities must comply with CEA Location Restrict comply with (Exploration Code of Practice: Environapplication (APO). Relevant requirements of this (water, land, soil, air), culture and heritage. It it is conditions (Exploration Code of Practice: Reafter completion of activity. Legislative requirements compensation limit any potential impacts. Compensation. Activities must comply with WH: Short term High High Resilience Yes Fully Yes Social Impacts: Any impacts on the health, safety factors such as pollution, odour, noise, vibration.	mpacts. ctions, Impact Thre conmental Manage s Code include pro All disturbed areas chabilitation). Rehairement for landho compensation und S legislative require Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for	esholds and Criteria. Activities must ment) as per the commitment in the tection of all elements of the environment to be rehabilitated in accordance with abilitation to occur as soon as practicable older access arrangements and er Mining Act available to mitigate ements. No Low Low ranking re of individuals or communities caused by spacts, etc).		
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?	use. Short term noise, air quality and visual is Activities must comply with CEA Location Restrict comply with (Exploration Code of Practice: Envir application (APO). Relevant requirements of this (water, land, soil, air), culture and heritage. It it is conditions (Exploration Code of Practice: Reafter completion of activity. Legislative requirements activity. Legislative requirements in Legislative requirements in Legislative requirements. Compensation. Activities must comply with WH: Short term High High Resilience Yes Fully Yes Social Impacts: Any impacts on the health, safety factors such as pollution, odour, noise, vibration. Activities not of a nature to cause any significant.	mpacts. ctions, Impact Thre conmental Manage s Code include pro All disturbed areas chabilitation). Rehairement for landho compensation unde S legislative require Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for y, privacy or welfar t or long term heal	esholds and Criteria. Activities must ment) as per the commitment in the tection of all elements of the environment to be rehabilitated in accordance with abilitation to occur as soon as practicable older access arrangements and er Mining Act available to mitigate ements. No Low Low ranking re of individuals or communities caused by spacts, etc). th, safety, privacy or welfare impacts.		
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	use. Short term noise, air quality and visual is Activities must comply with CEA Location Restrict comply with (Exploration Code of Practice: Environapplication (APO). Relevant requirements of this (water, land, soil, air), culture and heritage. It it is conditions (Exploration Code of Practice: Reafter completion of activity. Legislative requirements compensation limit any potential impacts. Compensation. Activities must comply with WH: Short term High High Resilience Yes Fully Yes Social Impacts: Any impacts on the health, safety factors such as pollution, odour, noise, vibration.	mpacts. ctions, Impact Thre conmental Manage s Code include pro All disturbed areas chabilitation). Reha irement for landho compensation und S legislative require Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for y, privacy or welfar tor long term heal iduals or communi	esholds and Criteria. Activities must ement) as per the commitment in the stection of all elements of the environment to be rehabilitated in accordance with abilitation to occur as soon as practicable older access arrangements and er Mining Act available to mitigate ements. No Low Low ranking re of individuals or communities caused by spacts, etc). th, safety, privacy or welfare impacts.		

Proposed management controls	Activities must comply with CEA Location Restric	tions, Impact Thre	esholds and Criteria. Activities must
	comply with (Exploration Code of Practice: Envir	onmental Manage	ment) as per the commitment in the
	application (APO). Relevant requirements of this	s Code include pro	tection 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: Re	habilitation). Reha	abilitation to occur as soon as practicable
	after completion of activity. Legislative requi	irement for landho	older access arrangements and
			er Mining Act available to mitigate
	compensation. Activities must comply with WHS		9
Duration	Short term	-0	
Application ranking	0.0000000000000000000000000000000000000		
What is the confidence in predicting	N/A	Are further	No
impacts?	17/4	studies	140
impacts:		required on	
		impacts or	
How resilient is the environment to	N/A	mitigation?	Low
How resilient is the environment to	N/A	What is the	Low
cope with impacts?		level of public	
		concern?	
Can the impacts be reversed?	Yes	Ranking of	Low
		potential	
		significance	
Can the impacts be mitigated?	Fully	Justification for	ranking
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Social Impacts: Effect on a locality, place or build	ling having aesthe	tic, anthropological, archaeological,
	architectural, cultural, historical, scientific or soc	cial significance or	other special value for present or future
	generations?	Ü	·
Potential impacts	Negligible potential to effect a locality, place or I	building having ae	sthetic, anthropological, archaeological.
	architectural, cultural, historical, scientific or soc		
	restrictions of a CEA. Short term and tempor	•	
Proposed management controls	Negligible impacts likely due to low impact of co		on activities and temporary nature of
r roposed management controls			ions, Impact Thresholds and Criteria.
	Activities must comply with (Exploration Code of		
			nediate vicinity of exploration activity.
Duration	Short term	icts illilited to illili	leulate vicinity of exploration activity.
	Short term		
Application ranking			
	Test.	A f . ali	Lw.
What is the confidence in predicting	High	Are further	No
	High	studies	No
What is the confidence in predicting	High	studies required on	No
What is the confidence in predicting	High	studies required on impacts or	No
What is the confidence in predicting impacts?		studies required on impacts or mitigation?	No
What is the confidence in predicting	High High Resilience	studies required on impacts or	No
What is the confidence in predicting impacts?		studies required on impacts or mitigation?	
What is the confidence in predicting impacts? How resilient is the environment to		studies required on impacts or mitigation? What is the	
What is the confidence in predicting impacts? How resilient is the environment to		studies required on impacts or mitigation? What is the level of public	
What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	High Resilience	studies required on impacts or mitigation? What is the level of public concern?	Low
What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	High Resilience	studies required on impacts or mitigation? What is the level of public concern? Ranking of	Low
What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed?	High Resilience Yes	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	Low
What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated?	High Resilience Yes Partly	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	Low
What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with	High Resilience Yes	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	Low
What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies?	High Resilience Yes Partly Yes	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for	Low
What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria	High Resilience Yes Partly Yes Social Impacts: Impacts on communities with str	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for	Low Low ranking
What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies?	High Resilience Yes Partly Yes Social Impacts: Impacts on communities with str	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ong sense of ident concerns about p	Low Low ranking
What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts	High Resilience Yes Partly Yes Social Impacts: Impacts on communities with str Community likely to include members who have exploration program. Short term and tempo	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ong sense of ident concerns about prary impacts only.	Low ranking tity. ossible future mining following any
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	Partly Yes Social Impacts: Impacts on communities with str Community likely to include members who have exploration program. Short term and tempo Short term impacts on the community and prede	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ong sense of ident concerns about p rary impacts only. cominantly limited	Low Low ranking tity. ossible future mining following any to immediate site. Subject to
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	Partly Yes Social Impacts: Impacts on communities with str Community likely to include members who have exploration program. Short term and tempo Short term impacts on the community and predelandholder agreement and any compensation.	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ong sense of ident concerns about p rary impacts only. ominantly limited All disturbed an	Low Low ranking tity. ossible future mining following any to immediate site. Subject to eas to be rehabilitated in accordance with
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	Partly Yes Social Impacts: Impacts on communities with str Community likely to include members who have exploration program. Short term and tempo Short term impacts on the community and prede landholder agreement and any compensation. title conditions (Exploration Code of Practice: Re	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ong sense of ident concerns about p rary impacts only. ominantly limited All disturbed an	Low Low ranking tity. ossible future mining following any to immediate site. Subject to eas to be rehabilitated in accordance with
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	Partly Yes Social Impacts: Impacts on communities with str Community likely to include members who have exploration program. Short term and tempo Short term impacts on the community and prede landholder agreement and any compensation. title conditions (Exploration Code of Practice: Re after completion of activity.	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ong sense of ident concerns about p rary impacts only. ominantly limited All disturbed an	Low Low ranking tity. ossible future mining following any to immediate site. Subject to eas to be rehabilitated in accordance with
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	Partly Yes Social Impacts: Impacts on communities with str Community likely to include members who have exploration program. Short term and tempo Short term impacts on the community and prede landholder agreement and any compensation. title conditions (Exploration Code of Practice: Re	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ong sense of ident concerns about p rary impacts only. ominantly limited All disturbed an	Low Low ranking tity. ossible future mining following any to immediate site. Subject to eas to be rehabilitated in accordance with
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	Partly Yes Social Impacts: Impacts on communities with str Community likely to include members who have exploration program. Short term and tempo Short term impacts on the community and prede landholder agreement and any compensation. title conditions (Exploration Code of Practice: Re after completion of activity.	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ong sense of ident concerns about p rary impacts only. ominantly limited All disturbed an	Low Low ranking tity. ossible future mining following any to immediate site. Subject to eas to be rehabilitated in accordance with
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	Partly Yes Social Impacts: Impacts on communities with str Community likely to include members who have exploration program. Short term and tempo Short term impacts on the community and prede landholder agreement and any compensation. title conditions (Exploration Code of Practice: Re after completion of activity.	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ong sense of ident concerns about p rary impacts only. ominantly limited All disturbed an	Low Low ranking tity. ossible future mining following any to immediate site. Subject to eas to be rehabilitated in accordance with
What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking	Partly Yes Social Impacts: Impacts on communities with str Community likely to include members who have exploration program. Short term and tempo Short term impacts on the community and prede landholder agreement and any compensation. title conditions (Exploration Code of Practice: Re after completion of activity. Short term	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ong sense of ident concerns about p rary impacts only. ominantly limited All disturbed an	Low Low tity. ossible future mining following any to immediate site. Subject to eas to be rehabilitated in accordance with abilitation to occur as soon as practicable
What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting	Partly Yes Social Impacts: Impacts on communities with str Community likely to include members who have exploration program. Short term and tempo Short term impacts on the community and prede landholder agreement and any compensation. title conditions (Exploration Code of Practice: Re after completion of activity. Short term	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ong sense of ident concerns about p rary impacts only. ominantly limited All disturbed and chabilitation). Rehall	Low Low tity. ossible future mining following any to immediate site. Subject to eas to be rehabilitated in accordance with abilitation to occur as soon as practicable
What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting	Partly Yes Social Impacts: Impacts on communities with str Community likely to include members who have exploration program. Short term and tempo Short term impacts on the community and prede landholder agreement and any compensation. title conditions (Exploration Code of Practice: Re after completion of activity. Short term	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ong sense of ident concerns about p rary impacts only. ominantly limited All disturbed and habilitation). Rehall Are further studies required on	Low Low tity. ossible future mining following any to immediate site. Subject to eas to be rehabilitated in accordance with abilitation to occur as soon as practicable
What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting	Partly Yes Social Impacts: Impacts on communities with str Community likely to include members who have exploration program. Short term and tempo Short term impacts on the community and prede landholder agreement and any compensation. title conditions (Exploration Code of Practice: Re after completion of activity. Short term	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ong sense of ident concerns about p rary impacts only. ominantly limited All disturbed and habilitation). Rehall Are further studies required on impacts or	Low Low tity. ossible future mining following any to immediate site. Subject to eas to be rehabilitated in accordance with abilitation to occur as soon as practicable
What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts?	Partly Yes Social Impacts: Impacts on communities with str Community likely to include members who have exploration program. Short term and tempo Short term impacts on the community and prede landholder agreement and any compensation. title conditions (Exploration Code of Practice: Reafter completion of activity. Short term Medium	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ong sense of ident concerns about p rary impacts only. ominantly limited All disturbed and habilitation). Rehall habilitation on impacts or mitigation?	Low Low ranking tity. ossible future mining following any to immediate site. Subject to eas to be rehabilitated in accordance with abilitation to occur as soon as practicable No
What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to	Partly Yes Social Impacts: Impacts on communities with str Community likely to include members who have exploration program. Short term and tempo Short term impacts on the community and prede landholder agreement and any compensation. title conditions (Exploration Code of Practice: Re after completion of activity. Short term	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ong sense of ident concerns about p rary impacts only. ominantly limited All disturbed and habilitation). Rehall habilitation on impacts or mitigation? What is the	Low Low tity. ossible future mining following any to immediate site. Subject to eas to be rehabilitated in accordance with abilitation to occur as soon as practicable
What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts?	Partly Yes Social Impacts: Impacts on communities with str Community likely to include members who have exploration program. Short term and tempo Short term impacts on the community and prede landholder agreement and any compensation. title conditions (Exploration Code of Practice: Reafter completion of activity. Short term Medium	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ong sense of ident concerns about p rary impacts only. ominantly limited All disturbed and habilitation). Rehall habilitation on impacts or mitigation?	Low Low ranking tity. ossible future mining following any to immediate site. Subject to eas to be rehabilitated in accordance with abilitation to occur as soon as practicable No

Can the impacts be reversed?	Yes	Ranking of potential significance	Low
Can the impacts be mitigated?	Partly	Justification for	ranking
		Justification for	Taliking
Do the operations comply with	Yes		
standards, plans, policies?	Conint to an attention of the discontinuous		
Criteria	Social Impacts: Impacts on disadvantaged comm	iunities.	
Potential impacts	No negative impacts predicted.		
Proposed management controls	Short term impacts on the community and predelandholder agreement and any compensation. title conditions (Exploration Code of Practice: Restaurant of activity).	All disturbed ar	eas to be rehabilitated in accordance with
B. artis	after completion of activity.		
Duration	Short term		
Application ranking		T	T
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No
How resilient is the environment to	High Resilience	What is the	Low
cope with impacts?	The state of the s	level of public concern?	
Can the impacts be reversed?	Yes	Ranking of	Low
can the impacts so reversed.		potential	2511
		significance	
Can the impacts be mitigated?	Fully	Justification for	ranking
	 '	Justification for	Talikilig
Do the operations comply with	Yes		
standards, plans, policies?	Francisco de la constanción de		to a state of the
Criteria	Economic Impacts: Any impacts which may affect decrease to net economic welfare.	ct economic activit	y (positive or negative), including a
Potential impacts	No significant impacts predicted. Minimal in	crease in demand	for accommodation, food, mechanical and
	fuel supplies, etc. Not large enough to warrant s	significant changes	s in supply.
Proposed management controls	Negligible impacts likely due to low personnel no positive for suppliers of services and goods utilis		orary nature of exploration. Generally
Duration	Short term		
Application ranking	oner term		
What is the confidence in predicting	High	Are further	No
impacts?	i iigii	studies	INO
impacts:		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	High Deciliones		Low
How resilient is the environment to	High Resilience	What is the	Low
cope with impacts?		level of public	
		concern?	
Can the impacts be reversed?	Yes	Ranking of	Low
		potential	
		significance	
Can the impacts be mitigated?	Fully	Justification for	ranking
Do the operations comply with	Yes		
standards, plans, policies?	1	1	
Criteria	Economic Impacts: Any impacts that result in a c	 decrease in the eco	onomic stability of the community.
	Economic Impacts: Any impacts that result in a c Activities not of a scale to warrant changes in su		onomic stability of the community. mporary increase in demand will result in
Criteria			•
Criteria Potential impacts	Activities not of a scale to warrant changes in su	pply side. Ter	mporary increase in demand will result in
Criteria	Activities not of a scale to warrant changes in su increased income for some suppliers. Negligible impacts likely due to low personnel no	pply side. Ter	mporary increase in demand will result in
Proposed management controls	Activities not of a scale to warrant changes in su increased income for some suppliers.	pply side. Ter	mporary increase in demand will result in
Potential impacts Proposed management controls Duration	Activities not of a scale to warrant changes in su increased income for some suppliers. Negligible impacts likely due to low personnel nu positive for suppliers of services and goods utilis	pply side. Ter	mporary increase in demand will result in
Proposed management controls Duration Application ranking	Activities not of a scale to warrant changes in su increased income for some suppliers. Negligible impacts likely due to low personnel no positive for suppliers of services and goods utilis Short term	pply side. Ter umbers and tempo sed.	mporary increase in demand will result in prary nature of exploration. Generally
Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting	Activities not of a scale to warrant changes in su increased income for some suppliers. Negligible impacts likely due to low personnel nu positive for suppliers of services and goods utilis	pply side. Ter umbers and tempo sed. Are further	mporary increase in demand will result in
Proposed management controls Duration Application ranking	Activities not of a scale to warrant changes in su increased income for some suppliers. Negligible impacts likely due to low personnel no positive for suppliers of services and goods utilis Short term	pply side. Ter umbers and temposed. Are further studies	mporary increase in demand will result in prary nature of exploration. Generally
Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting	Activities not of a scale to warrant changes in su increased income for some suppliers. Negligible impacts likely due to low personnel no positive for suppliers of services and goods utilis Short term	pply side. Ter umbers and temposed. Are further studies required on	mporary increase in demand will result in prary nature of exploration. Generally
Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting	Activities not of a scale to warrant changes in su increased income for some suppliers. Negligible impacts likely due to low personnel no positive for suppliers of services and goods utilis Short term	pply side. Ter umbers and tempored. Are further studies required on impacts or	mporary increase in demand will result in prary nature of exploration. Generally
Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts?	Activities not of a scale to warrant changes in su increased income for some suppliers. Negligible impacts likely due to low personnel nu positive for suppliers of services and goods utilis Short term High	pply side. Ter umbers and tempored. Are further studies required on impacts or mitigation?	proprary increase in demand will result in orary nature of exploration. Generally
Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to	Activities not of a scale to warrant changes in su increased income for some suppliers. Negligible impacts likely due to low personnel no positive for suppliers of services and goods utilis Short term	pply side. Ter umbers and tempored. Are further studies required on impacts or mitigation? What is the	mporary increase in demand will result in prary nature of exploration. Generally
Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts?	Activities not of a scale to warrant changes in su increased income for some suppliers. Negligible impacts likely due to low personnel nu positive for suppliers of services and goods utilis Short term High	Are further studies required on impacts or mitigation? What is the level of public	proprary increase in demand will result in orary nature of exploration. Generally
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Do the operations comply with	Yes			
standards, plans, policies? Criteria	Economic Impacts: Any impacts which result in a	l change to the pul	blic sector revenue or expenditure base.	
Potential impacts	Rehabilitation security bond covers any future public liability for rehabilitation. Investment in explora			
,	may lead to significant mining investment. Limited long term negative economic impacts from exploration.			
Proposed management controls	Small increase in public revenue associated with	exploration, inclu	ding taxes from wages.	
Duration	Short term			
Application ranking	5.16.1. t.c			
What is the confidence in predicting	High	Are further	No	
impacts?	High	studies	110	
impacts:				
		required on		
		impacts or		
Harris and the state of the second se	Hisb Davilianas	mitigation?	Law	
How resilient is the environment to	High Resilience	What is the	Low	
cope with impacts?		level of public		
		concern?		
Can the impacts be reversed?	Yes	Ranking of	Low	
		potential		
		significance		
Can the impacts be mitigated?	No	Justification for	ranking	
Do the operations comply with	Yes			
standards, plans, policies?				
Criteria	Heritage Impacts: Any impacts on a locality, plac	e, landscape, build	ding or archaeological relic of heritage	
Dotontial impacts	significance.	Limited natari	al to significantly impact on leading the	
Potential impacts	Damage to structures and sensitive features. landscapes or buildings. Short term noise, ai impact on aesthetics of a locality.		al to significantly impact on locality, place I impacts. Potential for temporary	
Proposed management controls	Activities must comply with CEA Location Restric			
	comply with (Exploration Code of Practice: Envir application (APO). Relevant requirements of thi the environment (including water, land, air), cult All disturbed areas to be rehabilitated in accorda Rehabilitation). Rehabilitation to occur as soon a	s Code include mir ture and heritage (ance with title con	nimising potential impacts on all aspects o Aboriginal and Non-Indigenous heritage) ditions (Exploration Code of Practice:	
	application (APO). Relevant requirements of this the environment (including water, land, air), cult All disturbed areas to be rehabilitated in accordance Rehabilitation). Rehabilitation to occur as soon a	s Code include mir ture and heritage (ance with title con	nimising potential impacts on all aspects o Aboriginal and Non-Indigenous heritage) ditions (Exploration Code of Practice:	
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Application ranking	application (APO). Relevant requirements of this the environment (including water, land, air), cult All disturbed areas to be rehabilitated in accordance Rehabilitation). Rehabilitation to occur as soon a of any boreholes). Short term	s Code include mir ture and heritage (ance with title con as practicable after	nimising potential impacts on all aspects or Aboriginal and Non-Indigenous heritage) ditions (Exploration Code of Practice: completion of activity (including sealing	
Application ranking What is the confidence in predicting	application (APO). Relevant requirements of thi the environment (including water, land, air), cult All disturbed areas to be rehabilitated in accorda Rehabilitation). Rehabilitation to occur as soon a of any boreholes).	s Code include mir ture and heritage (ance with title con as practicable after Are further	nimising potential impacts on all aspects o Aboriginal and Non-Indigenous heritage) ditions (Exploration Code of Practice:	
Application ranking	application (APO). Relevant requirements of this the environment (including water, land, air), cult All disturbed areas to be rehabilitated in accordance Rehabilitation). Rehabilitation to occur as soon a of any boreholes). Short term	s Code include mir ture and heritage (ance with title con as practicable after Are further studies	nimising potential impacts on all aspects or Aboriginal and Non-Indigenous heritage) ditions (Exploration Code of Practice: completion of activity (including sealing	
	application (APO). Relevant requirements of this the environment (including water, land, air), cult All disturbed areas to be rehabilitated in accordance Rehabilitation). Rehabilitation to occur as soon a of any boreholes). Short term	s Code include mir ture and heritage (ance with title cone as practicable after Are further studies required on	nimising potential impacts on all aspects or Aboriginal and Non-Indigenous heritage) ditions (Exploration Code of Practice: completion of activity (including sealing	
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Application ranking What is the confidence in predicting impacts?	application (APO). Relevant requirements of this the environment (including water, land, air), cult All disturbed areas to be rehabilitated in accordance Rehabilitation). Rehabilitation to occur as soon a of any boreholes). Short term N/A	Are further studies required on impacts or mitigation?	nimising potential impacts on all aspects of Aboriginal and Non-Indigenous heritage) ditions (Exploration Code of Practice: r completion of activity (including sealing	
Application ranking What is the confidence in predicting impacts? How resilient is the environment to	application (APO). Relevant requirements of this the environment (including water, land, air), cult All disturbed areas to be rehabilitated in accordance Rehabilitation). Rehabilitation to occur as soon a of any boreholes). Short term	Are further studies required on impacts or mitigation? What is the	nimising potential impacts on all aspects or Aboriginal and Non-Indigenous heritage) ditions (Exploration Code of Practice: completion of activity (including sealing	
Application ranking What is the confidence in predicting impacts?	application (APO). Relevant requirements of this the environment (including water, land, air), cult All disturbed areas to be rehabilitated in accordance Rehabilitation). Rehabilitation to occur as soon a of any boreholes). Short term N/A	Are further studies required on impacts or mitigation? What is the level of public	nimising potential impacts on all aspects of Aboriginal and Non-Indigenous heritage) ditions (Exploration Code of Practice: r completion of activity (including sealing	
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	application (APO). Relevant requirements of this the environment (including water, land, air), cult All disturbed areas to be rehabilitated in accordance Rehabilitation). Rehabilitation to occur as soon a of any boreholes). Short term N/A High Resilience	Are further studies required on impacts or mitigation? What is the level of public concern?	nimising potential impacts on all aspects of Aboriginal and Non-Indigenous heritage) ditions (Exploration Code of Practice: r completion of activity (including sealing	
Application ranking What is the confidence in predicting impacts? How resilient is the environment to	application (APO). Relevant requirements of this the environment (including water, land, air), cult All disturbed areas to be rehabilitated in accordance Rehabilitation). Rehabilitation to occur as soon a of any boreholes). Short term N/A	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of	nimising potential impacts on all aspects of Aboriginal and Non-Indigenous heritage) ditions (Exploration Code of Practice: r completion of activity (including sealing	
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	application (APO). Relevant requirements of this the environment (including water, land, air), cult All disturbed areas to be rehabilitated in accordance Rehabilitation). Rehabilitation to occur as soon a of any boreholes). Short term N/A High Resilience	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	nimising potential impacts on all aspects of Aboriginal and Non-Indigenous heritage) ditions (Exploration Code of Practice: r completion of activity (including sealing	
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed?	application (APO). Relevant requirements of this the environment (including water, land, air), cult All disturbed areas to be rehabilitated in accordance Rehabilitation). Rehabilitation to occur as soon a of any boreholes). Short term N/A High Resilience	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	nimising potential impacts on all aspects of Aboriginal and Non-Indigenous heritage) ditions (Exploration Code of Practice: completion of activity (including sealing) No Low Low	
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed?	application (APO). Relevant requirements of this the environment (including water, land, air), cult All disturbed areas to be rehabilitated in accordance Rehabilitation). Rehabilitation to occur as soon a of any boreholes). Short term N/A High Resilience Yes	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	nimising potential impacts on all aspects of Aboriginal and Non-Indigenous heritage) ditions (Exploration Code of Practice: completion of activity (including sealing) No Low Low	
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with	application (APO). Relevant requirements of this the environment (including water, land, air), cult All disturbed areas to be rehabilitated in accordance Rehabilitation). Rehabilitation to occur as soon a of any boreholes). Short term N/A High Resilience	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	nimising potential impacts on all aspects of Aboriginal and Non-Indigenous heritage) ditions (Exploration Code of Practice: completion of activity (including sealing) No Low Low	
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not been extinguished, unless the prior consent of the Minister has been obtained. Duration Short term	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	application (APO). Relevant requirements of thi the environment (including water, land, air), cult All disturbed areas to be rehabilitated in accordance Rehabilitation). Rehabilitation to occur as soon a of any boreholes). Short term High High Resilience Yes Fully Yes Cultural Impacts: Affects areas subject to native management arrangements. Condition of exploration title/authority prohibits	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for	nimising potential impacts on all aspects of Aboriginal and Non-Indigenous heritage). ditions (Exploration Code of Practice: completion of activity (including sealing). No Low Low ranking enous land use agreements or joint ny land or waters on which Native Title has
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Can the impacts be reversed?	Yes	Ranking of potential significance	Low	
Can the impacts be mitigated?	Fully	Justification for	ranking	
Do the operations comply with	Yes			
standards, plans, policies?				
Criteria	Cultural Impacts: Impacts on Aboriginal commun	nities or areas subj	ect to land rights claims.	
Potential impacts	Condition of exploration title/authority prohibits exploration on any land or waters on which Native Titl not been extinguished, unless the prior consent of the Minister has been obtained. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities cannot occur on land declared an Aboriginal Place and activities must not harm Aboriginal Objects. Any impacts are short and temporary.			
Proposed management controls	Condition of exploration title/authority prohibits not been extinguished, unless the prior consent comply with CEA Location Restrictions, Impact T declared an Aboriginal Place and activities must	of the Minister ha hresholds and Crit	s been obtained. Activities must eria. Activities cannot occur on land	
Duration	Short term			
Application ranking		,		
What is the confidence in predicting impacts?	High	Are further studies required on	No	
		impacts or mitigation?		
How resilient is the environment to	High Resilience	What is the	Low	
cope with impacts?		level of public concern?		
Can the impacts be reversed?	Yes	Ranking of	Low	
can the impacts be reversed.		potential		
On the Language has a March 12	5 11	significance		
Can the impacts be mitigated?	Fully	Justification for	ranking	
Do the operations comply with standards, plans, policies?	Yes			
Criteria	Cultural Impacts: Impacts on areas or items of hi		ıl, archaeological, architectural, cultural,	
	heritage, historical, recreational or scientific value	ie.		
Potential impacts	Short term and temporary impacts only.			
Proposed management controls	Activities must comply with CEA Location Restrict comply with (Exploration Code of Practice: Environment (APO). Relevant requirements of this the environment (including water, land, air), cult Aboriginal or European heritage objects/items/ato be rehabilitated in accordance with title cond Rehabilitation to occur as soon as practicable aftoreholes).	onmental Manage s Code include mir ture and heritage (ireas to be demarc itions (Exploration	ement) as per the commitment in the nimising potential impacts on all aspects of (Aboriginal and Non-Indigenous heritage). Cated and avoided. All disturbed areas Code of Practice: Rehabilitation).	
Duration	N/A			
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?	Low	
Can the impacts be reversed?	N/A	Ranking of potential significance	Low	
Can the impacts be mitigated?	Fully	Justification for	ranking	
Do the operations comply with	Yes			
standards, plans, policies? Criteria	Land Use Impacts: Any major changes in land us	 	ment of other haneficial land uses	
Potential impacts	Limited potential for any major changes in land of Negligible impacts and limited to immediate vici temporarily removed from existing land use/s by productive rural industries, including agriculture resources.	nity of site. Are ut no long term im	eas used for exploration activities,	

Proposed management controls	Minimal impacts likely and limited to immediate site of the activity. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity. Legislative requirement for				
	landholder access arrangements and compensation limit any potential impacts.				
Duration	Short term				
Application ranking					
	12.1	A C .ali	Lau		
What is the confidence in predicting	High	Are further	No		
impacts?		studies			
		required on			
		impacts or			
		mitigation?			
How resilient is the environment to	High Resilience	What is the	Low		
cope with impacts?		level of public			
cope with impacts.		concern?			
0 - 1 - 1 - 1 1 - 1 12	V		1.		
Can the impacts be reversed?	Yes	Ranking of	Low		
		potential			
		significance			
Can the impacts be mitigated?	No	Justification for ranking			
Do the operations comply with	Yes				
standards, plans, policies?					
Criteria	Transportation Impacts: Substantial impacts on	evicting transports	ation systems (road rail podostrian) which		
Criteria			ation systems (road, rail, pedestriall) which		
	alter present patterns of circulation or movement.				
Potential impacts	Short term additional traffic during exploration activity, primarily during set-up/construction stage.				
Proposed management controls	Short term additional traffic during exploration a	activity, primarily o	during set-up/construction stage.		
	Limited to immediate site. Subject to landholder agreement and any compensation.				
Duration	Short term				
Application ranking	0.1014 term				
	12.1	A C .ali	I N.		
What is the confidence in predicting	High	Are further	No		
impacts?		studies			
		required on			
		impacts or			
		mitigation?			
How resilient is the environment to	High Resilience	What is the	Low		
cope with impacts?	The tree menter	level of public			
cope with impacts:		1 -			
		concern?			
Can the impacts be reversed?	Yes	Ranking of	Low		
		potential			
		significance			
Can the impacts be mitigated?	Fully	Justification for	ranking		
Do the operations comply with	Yes				
standards, plans, policies?	1.03				
Criteria	Transportation Impacts: Impacts associated with	 direct or indirect	additional traffic		
Criteria	Transportation Impacts: Impacts associated with	Tullect of mullect	auditional traffic.		
Potential impacts	Short term additional traffic during exploration	activity, primarily o	during set-up/construction stage.		
Proposed management controls	Short term additional traffic during exploration	activity, primarily o	during set-up/construction stage.		
	Limited to immediate site. Subject to landh	older agreement a	and any compensation.		
Duration	Short term	-	·		
Application ranking					
What is the confidence in predicting	High	A u.a. formation and	Ne		
	High	Are further	No		
impacts?		studies			
		required on			
		impacts or			
		mitigation?			
How resilient is the environment to	High Resilience	What is the	Low		
cope with impacts?	g Nesmeriee	level of public			
cope with impacts?					
		concern?			
Can the impacts be reversed?	Yes	Ranking of	Low		
		potential			
		significance			
Can the impacts be mitigated?	Fully	Justification for	ranking		
Do the operations comply with	Yes				
	163				
standards, plans, policies?	Consistence with applicable land to the land		air and attention in all and a control of a total of		
Criteria	Consistency with applicable local strategic plann	ning statements, re	gional strategic plans or district strategic		
	plans.				
Potential impacts	Temporary and short term impact on the land.				

Proposed management controls	Exploration comprises development that does not need consent under the EP&A Act and associated local, regional and district plans. There will be no conflict or inconsistency with applicable local strategic planning statements, regional strategic plans or district strategic plans. Minimal impacts likely and limited to immediate site of the activity. Impacts are compensable under relevant legislation, including Mining Act 1992 and Petroleum (Onshore) Act 1991. Subject to landholder agreement and any compensation. 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 - until land is rehabilitated.				
Application ranking					
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No		
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?	Low		
Can the impacts be reversed?	Uncertain	Ranking of potential significance	Low		
Can the impacts be mitigated?	Fully	Justification for	ranking		
Do the operations comply with	Yes				
standards, plans, policies?					
Criteria	Matters of National Environmental Significance: Impacts on MNES under the Commonwealth Environmental Protection and Biodiversity Conservation Act 1999:				
Proposed management controls	N/A as activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Cannot impact on MNES. N/A				
	Two MNES entities listed as likely to occur in or near the drilling area. Commonwealth Department of Climate Change, Energy, the Environment and Water advised applicant on 28 March 2024 that a self assessment should be completed and kept for records if not deemed as a significant impact on MNES. Biodiversity, Conservation and Science Group (BCS) of the NSW Department of Climate Change, Energy, the Environment and Water (NSW DCCEEW) have also advised that the activity would not impact on these entities listed under MNES upon reviewing application. Official response received on 26 March 2024.				
Duration	N/A		pense received on 20 march 202 n		
Application ranking	,				
What is the confidence in predicting impacts?	N/A	Are further studies required on impacts or mitigation?	N/A		
How resilient is the environment to cope with impacts?	N/A	What is the level of public concern?	N/A		
Can the impacts be reversed?	N/A	Ranking of potential significance			
Can the impacts be mitigated?	N/A	Justification for	ranking		
Do the operations comply with standards, plans, policies?	N/A				
Criteria	Cumulative Impacts: Cumulative environmental	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 predicting impacts?	High	Are further studies required on impacts or mitigation?	No		

How resilient is the environment to	High Resilience	What is the	Low
cope with impacts?	_	level of public	
		concern?	
Can the impacts be reversed?	Yes	Ranking of	Low
		potential	
		significance	
Can the impacts be mitigated?	Fully	Justification for ranking	
Do the operations comply with	Yes		
standards, plans, policies?			

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