Tuesday 16 April 2024

Assessable Prospecting Operation Application Decision Briefing and Review of Environmental Factors

Tallebung | APO0001739

Decision Maker	Christine Fawcett
Prepared by	Mark Buchan
Title	EL 6699 (1992)
Authorised Representative	[redacted]
Project name	Tallebung
Activity type	Non-Complying Exploration Activity

Issue

[redacted] has sought an activity approval in respect of Tallebung, within EL 6699 (1992), at Tallebung Tin Mining Field, 70km NW of Condobolin.

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

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

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

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

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

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

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

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

Background

This exploration activity approval is being sought under EL 6699 (granted 10/01/2007 with expiry date 10/01/2027) to undertake assessable prospecting operations.

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 Tallebung* report and the information provided in support of the application.

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

No alternatives options to the proposed activity were considered.

Security

The application triggered a review of the assessed deposit to secure funding for the fulfilment of obligations if Tallebung is approved.

Refer to RCE Record RCE0001937

Assessment of Impacts (Non-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.

The assessment undertaken pursuant to Division 5.1 of the EP&A Act 1979 has determined the proposed activity is not likely to have a significant impact on the environment and therefore an EIS not required.

The proposed activity will not be carried out in a declared area of outstanding biodiversity value and is not likely to significantly affect threatened species, populations or ecological communities, or their habitats or impact biodiversity values, meaning a SIS and/or BDAR is not required.

Additional terms (if approved)

No additional terms are required.

Summary

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

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

Certification

I, Mark Buchan, 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 Tallebung 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	Likely impacts to air quality include particulates and emissions from vehicle and plant exhausts, dust from vehicle travelling over tracks and dust generated during drilling process. Nil impact on sensitive receptors as closest is 4km to the south and separated by hills and vegetation.		
Proposed management controls	Activities will comply with title conditions. Dust generated from drilling operations limited to immediate vicinity of the drilling. Exhaust emissions limited to immediate area of drilling. Dust suppression to be used on drill rig. Speed restrictions on vehicles driving on tracks. Inductions for all staff and contractors. Pre start drill rig inspection to ensure fit for purpose and operating correctly. All disturbed areas to be rehabilitated as soon as practicable following completion of exploration activity Nil impact on sensitive receptors as closest is 4km to the south and separated by hills and vegetation.		
Duration	3 weeks		
Application ranking	Negligible		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain

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	Air Impacts: Greenhouse or ozone impacts.		
Potential impacts	Likely impacts to air quality include particulates and emissions from vehicle and plant exhausts, dust from vehicle travelling over tracks and dust generated during drilling process. Nil impact on sensitive receptors as closest is 4km to the south and separated by hills and vegetation.		
Proposed management controls	Activities will comply with title conditions. Dust generated from drilling operations limited to immediate vicinity of the drilling. Exhaust emissions limited to immediate area of drilling. Dust suppression to be used on drill rig. Speed restrictions on vehicles driving on tracks. Inductions for all staff and contractors. Pre start drill rig inspection to ensure fit for purpose and operating correctly. All disturbed areas to be rehabilitated as soon as practicable following completion of exploration activity Nil impact on sensitive receptors as closest is 4km to the south and separated by hills and vegetation.		
Duration	3 weeks		
Application ranking	Negligible		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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	Air Impacts: Additional impacts on areas with degraded air quality.		
Potential impacts	Likely impacts to air quality include particulates and emissions from vehicle and plant exhausts, dust from vehicle travelling over tracks and dust generated during drilling process. Nil impact on sensitive receptors as closest is 4km to the south and separated by hills and vegetation.		
Proposed management controls	Activities will comply with title conditions. Dust generated from drilling operations limited to immediate vicinity of the drilling. Exhaust emissions limited to immediate area of drilling. Dust suppression to be used on drill rig. Speed restrictions on vehicles driving on tracks. Inductions for all staff and contractors. Pre start drill rig inspection to ensure fit for purpose and operating correctly. All disturbed areas to be rehabilitated as soon as practicable following completion of exploration activity Nil impact on sensitive receptors as closest is 4km to the south and separated by hills and vegetation.		
Duration	3 weeks		
Application ranking	Negligible		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
Can the impacts be reversed?	Yes	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Fully	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Water Impacts: Impacts from the use of surface or groundwater.		
Potential impacts	Surface runoff could be sediment laden. Generally minimal surface water use. Drill holes could intersect fracture controlled groundwater. The drilling is adjacent to a NSW wetland covering historic alluvial mining areas.		
Proposed management controls	The management control are outlined in the Environmental Management Plan. Drainage sumps to be excavated on drill pads to capture any water ejected from the drill hole during drilling. Where there is the potential for runoff to impact the Wetland, bunding will be used to divert runoff.		
Duration	3 weeks		
Application ranking	Negligible		

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?	Medium Resilience	**What is the level of public concern?**	Uncertain
Can the impacts be reversed?	Yes	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Fully	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Water Impacts: Impacts from storage of water		
Potential impacts	Surface runoff could be sediment laden. Generally minimal surface water use. Drill holes could intersect fracture controlled groundwater. The drilling is adjacent to a NSW wetland covering historic alluvial mining areas.		
Proposed management controls	The management control are outlined in the Environmental Management Plan. Drainage sumps to be excavated on drill pads to capture any water ejected from the drill hole during drilling. Where there is the potential for runoff to impact the Wetland, bunding will be used to divert runoff.		
Duration	3 weeks		
Application ranking	Negligible		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
Can the impacts be reversed?	Yes	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Fully	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Water Impacts: Impacts from changes to natural water bodies, wetlands or runoff patterns.		
Potential impacts	Surface runoff could be sediment laden. Generally minimal surface water use. Drill holes could intersect fracture controlled groundwater. The drilling is adjacent to a NSW wetland covering historic alluvial mining areas.		
Proposed management controls	The management control are outlined in the Environmental Management Plan. Drainage sumps to be excavated on drill pads to capture any water ejected from the drill hole during drilling. Where there is the potential for runoff to impact the Wetland, bunding will be used to divert runoff.		
Duration	3 weeks		
Application ranking	Positive		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
Can the impacts be reversed?	Yes	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Fully	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Water Impacts: Impacts from aquifer interference, including changes to inter-aquifer connectivity.		
Potential impacts	Surface runoff could be sediment laden. Generally minimal surface water use. Drill holes could intersect fracture controlled groundwater. The drilling is adjacent to a NSW wetland covering historic alluvial mining areas.		
Proposed management controls	The management control are outlined in the Environmental Management Plan. Drainage sumps to be excavated on drill pads to capture any water ejected from the drill hole during drilling. Where there is the potential for runoff to impact the Wetland, bunding will be used to divert runoff.		
Duration	3 weeks		
Application ranking	Positive		

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?	Medium Resilience	**What is the level of public concern?**	Uncertain
Can the impacts be reversed?	Yes	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Fully	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Water Impacts: Impacts from changes to flooding or tidal regimes.		
Potential impacts	Surface runoff could be sediment laden. Generally minimal surface water use. Drill holes could intersect fracture controlled groundwater. The drilling is adjacent to a NSW wetland covering historic alluvial mining areas.		
Proposed management controls	The management control are outlined in the Environmental Management Plan. Drainage sumps to be excavated on drill pads to capture any water ejected from the drill hole during drilling. Where there is the potential for runoff to impact the Wetland, bunding will be used to divert runoff.		
Duration	3 weeks		
Application ranking	Positive		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
Can the impacts be reversed?	Yes	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Fully	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Water Impacts: Impacts from changes in surface or groundwater quality and quantity.		
Potential impacts	Surface runoff could be sediment laden. Generally minimal surface water use. Drill holes could intersect fracture controlled groundwater. The drilling is adjacent to a NSW wetland covering historic alluvial mining areas.		
Proposed management controls	The management control are outlined in the Environmental Management Plan. Drainage sumps to be excavated on drill pads to capture any water ejected from the drill hole during drilling. Where there is the potential for runoff to impact the Wetland, bunding will be used to divert runoff.		
Duration	3 weeks		
Application ranking	Positive		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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: Degradation of soil quality (including contamination, salinisation or acidification).		
Potential impacts	Potential impacts to soil quality or land stability include soil erosion and sediment laden runoff and soil compaction or disturbance from activities.		
Proposed management controls	Management controls include minimising vegetation clearing and surface disturbance, installation of sediment and erosion controls as appropriate and management in accordance with relevant codes/standards/guidelines. Utilise existing tracks where possible. Management controls outlined in EMP.		
Duration	3 weeks		
Application ranking	Negligible		

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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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 high agricultural capability.		
Potential impacts	Potential impacts to soil quality or land stability include soil erosion and sediment laden runoff and soil compaction or disturbance from activities.		
Proposed management controls	Management controls include minimising vegetation clearing and surface disturbance, installation of sediment and erosion controls as appropriate and management in accordance with relevant codes/standards/guidelines. Utilise existing tracks where possible. Management controls outlined in EMP.		
Duration	3 weeks		
Application ranking	Positive		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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: Loss of soil from wind or water erosion.		
Potential impacts	Potential impacts to soil quality or land stability include soil erosion and sediment laden runoff and soil compaction or disturbance from activities.		
Proposed management controls	Management controls include minimising vegetation clearing and surface disturbance, installation of sediment and erosion controls as appropriate and management in accordance with relevant codes/standards/guidelines. Utilise existing tracks where possible. Management controls outlined in EMP.		
Duration	3 weeks		
Application ranking	Negligible		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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: Loss of structural integrity of the soil.		
Potential impacts	Potential impacts to soil quality or land stability include soil erosion and sediment laden runoff and soil compaction or disturbance from activities.		
Proposed management controls	Management controls include minimising vegetation clearing and surface disturbance, installation of sediment and erosion controls as appropriate and management in accordance with relevant codes/standards/guidelines. Utilise existing tracks where possible. Management controls outlined in EMP.		
Duration	3 weeks		
Application ranking	Positive		

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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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: Increased land instability with high risks from land slides or subsidence.		
Potential impacts	Potential impacts to soil quality or land stability include soil erosion and sediment laden runoff and soil compaction or disturbance from activities.		
Proposed management controls	Management controls include minimising vegetation clearing and surface disturbance, installation of sediment and erosion controls as appropriate and management in accordance with relevant codes/standards/guidelines. Utilise existing tracks where possible. Management controls outlined in EMP.		
Duration	3 weeks		
Application ranking	Positive		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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: Results in increased noise or vibration.		
Potential impacts	There are no sensitive receivers within 1km of the exploration activity. Potential noise impacts are noise from drill rigs and vehicles		
Proposed management controls	Drilling unlikely to cause vibration impacts as nearest residence is 4km away. Under certain weather conditions noise from the drilling operations may be heard at the nearest residence.		
Duration	3 weeks		
Application ranking	Negligible		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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 receptors.		
Potential impacts	There are no sensitive receivers within 1km of the exploration activity. Potential noise impacts are noise from drill rigs and vehicles		
Proposed management controls	Drilling unlikely to cause vibration impacts as nearest residence is 4km away. Under certain weather conditions noise from the drilling operations may be heard at the nearest residence.		
Duration	3 weeks		
Application ranking	Negligible		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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	Coastal Location & Processes: Affects coastal processes and coastal hazards, including those under projected climate change conditions.		
Potential impacts	NA		
Proposed management controls	NA		
Duration	3 weeks		
Application ranking	Positive		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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	Hazardous substances or chemicals: Impacts associated with the use, generation, storage or transport of hazardous substances or chemicals.		
Potential impacts	Likely impacts include mobilization of hydrocarbons in soils due to spills, release of water expelled from drill hole and/or overflowing of drainage sumps.		
Proposed management controls	Using non hazardous and biodegradable drilling fluids. Ensure all hydrocarbons and liquid chemicals are stored on bunded pallet. Ensure bulk fuel trailer in good condition and fully stocked spill kit available. Clean up oil, fuel and chemical spills immediately. Inductions for all staff and contractors. Regular inspections of equipment to ensure fit for purpose.		
Duration	3 weeks		
Application ranking	Negligible		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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 to the environment resulting from the generation or disposal of wastes.		
Potential impacts	Potential impacts to the environment include inappropriate disposal of drilling and general waste, overflowing of above ground sumps and hydrocarbon leaks or spills from drill rig or fuel supply		
Proposed management controls	Solid waste generated from drilling includes drill chips and dust. Liquid waste would comprise ground water and drill cutting slurry emitted from the drill hole. The drill chips, dust and water are restricted to the drilling area. Drill chips to be stored in plastic bags until completion of drill program and receipt of results. Drill chips will then be stockpiled on site in a temporary stockpile awaiting instructions from the NSW EPA regarding permanent storage/disposal. Waste classification analysis to be conducted as required on representative samples to determine their waste classification and method of disposal. Water and drill cutting emitted from the hole will be captured in a small sump and when dry disposed of in an appropriate manner. Inductions for all staff and contractors including responsibilities in managing waste. Regular inspections of drill sites.		
Duration	3 weeks		
Application ranking	Low Adverse		

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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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 drinking water catchments, wetlands, natural water bodies, riparian zones or flood prone areas.		
Potential impacts	Nil. not in any of these areas		
Proposed management controls	Solid waste generated from drilling includes drill chips and dust. Liquid waste would comprise ground water and drill cutting slurry emitted from the drill hole. The drill chips, dust and water are restricted to the drilling area. Drill chips to be stored in plastic bags until completion of drill program and receipt of results. Drill chips will then be stockpiled on site in a temporary stockpile awaiting instructions from the NSW EPA regarding permanent storage/disposal. Waste classification analysis to be conducted as required on representative samples to determine their waste classification and method of disposal. Water and drill cutting emitted from the hole will be captured in a small sump and when dry disposed of in an appropriate manner. Inductions for all staff and contractors including responsibilities in managing waste. Regular inspections of drill sites.		
Duration	3 weeks		
Application ranking	Low Adverse		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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 recharge areas or areas with high water table.		
Potential impacts	Nil. not in any of these areas		
Proposed management controls	Solid waste generated from drilling includes drill chips and dust. Liquid waste would comprise ground water and drill cutting slurry emitted from the drill hole. The drill chips, dust and water are restricted to the drilling area. Drill chips to be stored in plastic bags until completion of drill program and receipt of results. Drill chips will then be stockpiled on site in a temporary stockpile awaiting instructions from the NSW EPA regarding permanent storage/disposal. Waste classification analysis to be conducted as required on representative samples to determine their waste classification and method of disposal. Water and drill cutting emitted from the hole will be captured in a small sump and when dry disposed of in an appropriate manner. Inductions for all staff and contractors including responsibilities in managing waste. Regular inspections of drill sites.		
Duration	3 weeks		
Application ranking	Low Adverse		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain

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 and Emissions: Impacts on coastlines or dunes, alpine areas, karst features or other unique landforms.		
Potential impacts	N/A		
Proposed management controls	N/A		
Duration	N/A		
Application ranking	N/A		
What is the confidence in predicting impacts?	N/A	**Are further studies required on impacts or mitigation?**	No
How resilient is the environment to cope with impacts?	N/A	**What is the level of public concern?**	Uncertain
Can the impacts be reversed?	N/A	**Ranking of potential significance**	Low
Can the impacts be mitigated?	N/A	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Wastes & Emissions: Impacts on erosion prone areas, areas with slopes of greater than 18 degrees.		
Potential impacts	N/A		
Proposed management controls	N/A		
Duration	N/A		
Application ranking	N/A		
What is the confidence in predicting impacts?	N/A	**Are further studies required on impacts or mitigation?**	No
How resilient is the environment to cope with impacts?	N/A	**What is the level of public concern?**	Uncertain
Can the impacts be reversed?	N/A	**Ranking of potential significance**	Low
Can the impacts be mitigated?	N/A	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Wastes & Emissions: Impacts on subsidence or slip areas.		
Potential impacts	Nil. not in any of these areas		
Proposed management controls	Solid waste generated from drilling includes drill chips and dust. Liquid waste would comprise ground water and drill cutting slurry emitted from the drill hole. The drill chips, dust and water are restricted to the drilling area. Drill chips to be stored in plastic bags until completion of drill program and receipt of results. Drill chips will then be stockpiled on site in a temporary stockpile awaiting instructions from the NSW EPA regarding permanent storage/disposal. Waste classification analysis to be conducted as required on representative samples to determine their waste classification and method of disposal. Water and drill cutting emitted from the hole will be captured in a small sump and when dry disposed of in an appropriate manner. Inductions for all staff and contractors including responsibilities in managing waste. Regular inspections of drill sites.		
Duration	3 weeks		
Application ranking	Low Adverse		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain

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 acid sulphate, sodic or highly permeable soils.		
Potential impacts	Vegetation removal unlikely to exacerbate acid sulfate or sodicity issues. Drilling activities unlikely to exacerbate acid sulfate or sodicity issues. Soil erosion and sediment laden runoff from disturbed areas / areas where vegetation has been removed.		
Proposed management controls	Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Minimising vegetation clearing and surface disturbance. b. Prevent causing any land degradation or pollution/contamination of land or water. c. All sediment and erosion controls (including drainage from roads/access tracks) to be managed in accordance with Blue Book. d. Existing access tracks to be used/upgraded wherever possible. e. Controls on sumps and management of chemicals to significantly reduce risk to soils. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity. Impacts generally limited due to low traffic numbers and short term nature of exploration.		
Duration	3 weeks		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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 salinity or potential salinity problems.		
Potential impacts	Nil. not in any of these areas		
Proposed management controls	Solid waste generated from drilling includes drill chips and dust. Liquid waste would comprise ground water and drill cutting slurry emitted from the drill hole. The drill chips, dust and water are restricted to the drilling area. Drill chips to be stored in plastic bags until completion of drill program and receipt of results. Drill chips will then be stockpiled on site in a temporary stockpile awaiting instructions from the NSW EPA regarding permanent storage/disposal. Waste classification analysis to be conducted as required on representative samples to determine their waste classification and method of disposal. Water and drill cutting emitted from the hole will be captured in a small sump and when dry disposed of in an appropriate manner. Inductions for all staff and contractors including responsibilities in managing waste. Regular inspections of drill sites.		
Duration	3 weeks		
Application ranking	Low Adverse		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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 degraded or contaminated land.		
Potential impacts	Nil. not in any of these areas		

Proposed management controls	Solid waste generated from drilling includes drill chips and dust. Liquid waste would comprise ground water and drill cutting slurry emitted from the drill hole. The drill chips, dust and water are restricted to the drilling area. Drill chips to be stored in plastic bags until completion of drill program and receipt of results. Drill chips will then be stockpiled on site in a temporary stockpile awaiting instructions from the NSW EPA regarding permanent storage/disposal. Waste classification analysis to be conducted as required on representative samples to determine their waste classification and method of disposal. Water and drill cutting emitted from the hole will be captured in a small sump and when dry disposed of in an appropriate manner. Inductions for all staff and contractors including responsibilities in managing waste. Regular inspections of drill sites.		
Duration	3 weeks		
Application ranking	Low Adverse		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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 degraded or contaminated water (ground or surface).		
Potential impacts	Nil. not in any of these areas		
Proposed management controls	Solid waste generated from drilling includes drill chips and dust. Liquid waste would comprise ground water and drill cutting slurry emitted from the drill hole. The drill chips, dust and water are restricted to the drilling area. Drill chips to be stored in plastic bags until completion of drill program and receipt of results. Drill chips will then be stockpiled on site in a temporary stockpile awaiting instructions from the NSW EPA regarding permanent storage/disposal. Waste classification analysis to be conducted as required on representative samples to determine their waste classification and method of disposal. Water and drill cutting emitted from the hole will be captured in a small sump and when dry disposed of in an appropriate manner. Inductions for all staff and contractors including responsibilities in managing waste. Regular inspections of drill sites.		
Duration	3 weeks		
Application ranking	Low Adverse		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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	Vegetation: Any clearing or modification of vegetation (including impacts on wildlife corridors, remnant vegetation & habitat for species of conservation significance).		
Potential impacts	Areas cleared for exploration activities, access tracks etc not available for flora habitat. Removal of habitat such as hollow logs and fallen timber.		
Proposed management controls	Minimise extent of vegetation and access track clearing to as low as practicable. Install diversions and bunds to reduce runoff and erosion. Install bunds and diversions to prevent direct access of run off to drainage areas and the NSW Wetland. Limit removal of top soil. All disturbed areas to be rehabilitated in accordance with title conditions. Training of staff and contractors in construction of drill pads.		
Duration	3 weeks		
Application ranking	Low Adverse		

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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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	Threatened Fauna Species: Any adverse effect on the life cycle of any threatened species such that a viable local population of the species is likely to be placed at risk of extinction.		
Potential impacts	No threatened flora or fauna have been identified in the area		
Proposed management controls	Minimise vegetation clearing, rehabilitate sites as soon as practicable following completion of activity		
Duration	3 weeks		
Application ranking	Negligible		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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	Threatened Flora Species: Any adverse effect on the life cycle of any threatened species such that a viable local population of the species is likely to be placed at risk of extinction.		
Potential impacts	No threatened flora or fauna have been identified in the area		
Proposed management controls	Minimise vegetation clearing, rehabilitate sites as soon as practicable following completion of activity		
Duration	3 weeks		
Application ranking	Negligible		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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	Areas of outstanding biodiversity value/Critical habitat: This includes: a. declared areas of outstanding biodiversity value under the Biodiversity Conservation Act 2016 b. areas declared critical habitat under the Fisheries Management Act 1994.		
Potential impacts	No areas of critical habitat identified within activity area.		
Proposed management controls	Minimise disturbance and clearing of vegetation, rehabilitation of sites as soon as practicable. Ensure machinery and vehicle are clean prior to entry to the area and avoidance of weed infested areas to reduce risk of spreading. Construct erosion control measure to prevent/reduce run off form disturbed areas. The drilling activity is short term and during daylight hours only. Protect hollow logs and other habitat on the ground where practicable and carefully remove logs to protect habitat. Appropriate supervision during vegetation clearing.		
Duration	3 weeks		
Application ranking	Negligible		

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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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	Endangered ecological community or critically endangered ecological community: Whether the activity: is likely to have an adverse effect on the extent of the ecological community such that its local occurrence is likely to be placed at risk of extinction, or is likely to substantially and adversely modify the composition of the ecological community such that its local occurrence is likely to be placed at risk of extinction.		
Potential impacts	There are no EEC's within or near the activity area		
Proposed management controls	There are no EEC's within or near the activity area		
Duration	3 weeks		
Application ranking	Positive		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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	Habitat of a threatened species or ecological community		
Potential impacts	No Threatened species or Ecological Community has been identified within or near the activity area.		
Proposed management controls	No Threatened species or Ecological Community has been identified within or near the activity area.		
Duration	3 weeks		
Application ranking	Positive		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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	Habitat of protected aquatic species or those with conservation status.		
Potential impacts	No Threatened species or Ecological Community has been identified within or near the activity area.		
Proposed management controls	No Threatened species or Ecological Community has been identified within or near the activity area.		
Duration	3 weeks		
Application ranking	Positive		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain

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	Key Threatening Processes: As outlined in Schedule 4 of Biodiversity Conservation Act 2016. Includes: a. alteration, removal, clearly or degradation of habitat and native vegetation b. loss of hollow bearing trees c. removal of dead wood and dead trees d. invasion and establishment of exotic species.		
Potential impacts	Due to the patchy nature of any vegetation clearance it is unlikely to cause any barriers to fauna movement. The duration of the activity is short term and during day light hours only. Any barriers would be temporary and once drill hole is finished wildlife could access the drill pad.		
Proposed management controls	Minimise disturbance to vegetation.		
Duration	3 weeks		
Application ranking	Negligible		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
Can the impacts be reversed?	Yes	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Fully	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Barriers to movement of fauna: Any potential to endanger, displace or disturb fauna (including fauna of conservation significance) or create a barrier to their movement.		
Potential impacts	Due to the patchy nature of any vegetation clearance it is unlikely to cause any barriers to fauna movement. The duration of the activity is short term and during day light hours only. Any barriers would be temporary and once drill hole is finished wildlife could access the drill pad.		
Proposed management controls	Minimise disturbance to vegetation.		
Duration	3 weeks		
Application ranking	Negligible		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
Can the impacts be reversed?	Yes	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Fully	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Ecological & Biosecurity Impacts: Any threat to the biological diversity or ecological integrity of an ecological community.		
Potential impacts	Impacts may include spread of weeds in disturbed areas, soil erosion or sediment laden run off from disturbed areas, areas used for exploration activities, access tracks, etc not available for flora/fauna habitat. Vegetation clearing may remove habitat for ground dwelling fauna.		
Proposed management controls	Minimise disturbance and clearing of vegetation, rehabilitation of sites as soon as practicable. Ensure machinery and vehicle are clean prior to entry to the area and avoidance of weed infested areas to reduce risk of spreading. Construct erosion control measure to prevent/reduce run off form disturbed areas. The drilling activity is short term and during daylight hours only. Protect hollow logs and other habitat on the ground where practicable and carefully remove logs to protect habitat. Appropriate supervision during vegetation clearing.		
Duration	3 weeks		
Application ranking	Negligible		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
Can the impacts be reversed?	Yes	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Fully	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Ecological & Biosecurity Impacts: Creates a biosecurity risk or introduces genetically modified organisms into an area. Includes impacts from the introduction of: a. mobilisation of pollutants b. animal pests, c. plant pests and diseases, d. animal diseases, e. noxious weeds, or f. genetically modified organisms.		
Potential impacts	Impacts may include spread of weeds in disturbed areas, soil erosion or sediment laden run off from disturbed areas, areas used for exploration activities, access tracks, etc not available for flora/fauna habitat. Vegetation clearing may remove habitat for ground dwelling fauna.		
Proposed management controls	Minimise disturbance and clearing of vegetation, rehabilitation of sites as soon as practicable. Ensure machinery and vehicle are clean prior to entry to the area and avoidance of weed infested areas to reduce risk of spreading. Construct erosion control measure to prevent/reduce run off form disturbed areas. The drilling activity is short term and during daylight hours only. Protect hollow logs and other habitat on the ground where practicable and carefully remove logs to protect habitat. Appropriate supervision during vegetation clearing.		
Duration	3 weeks		
Application ranking	Negligible		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
Can the impacts be reversed?	Yes	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Fully	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Ecological & Biosecurity Impacts: Likely to cause a significant bushfire risk.		
Potential impacts	Impacts may include spread of weeds in disturbed areas, soil erosion or sediment laden run off from disturbed areas, areas used for exploration activities, access tracks, etc not available for flora/fauna habitat. Vegetation clearing may remove habitat for ground dwelling fauna.		
Proposed management controls	Minimise disturbance and clearing of vegetation, rehabilitation of sites as soon as practicable. Ensure machinery and vehicle are clean prior to entry to the area and avoidance of weed infested areas to reduce risk of spreading. Construct erosion control measure to prevent/reduce run off form disturbed areas. The drilling activity is short term and during daylight hours only. Protect hollow logs and other habitat on the ground where practicable and carefully remove logs to protect habitat. Appropriate supervision during vegetation clearing.		
Duration	3 weeks		
Application ranking	Negligible		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
Can the impacts be reversed?	Yes	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Fully	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Community Resources: Any degradation of infrastructure or significant increase in the demand for services and infrastructure resources.		
Potential impacts	No Impact		

Proposed management controls	Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include minimising potential impacts on all aspects of the environment (including water, land, air), culture and heritage (Aboriginal and Non-Indigenous heritage). All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any boreholes).		
Duration	3 weeks		
Application ranking	Positive		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
Can the impacts be reversed?	Yes	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Fully	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Community Resources: Any diversion of resources to the detriment of other communities or natural systems.		
Potential impacts	No Impact		
Proposed management controls	Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include minimising potential impacts on all aspects of the environment (including water, land, air), culture and heritage (Aboriginal and Non-Indigenous heritage). All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any boreholes).		
Duration	3 weeks		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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	Natural Resources: Any disruption, depletion or destruction of natural resources.		
Potential impacts	No impact on Natural resources within the activity area		
Proposed management controls	Negligible impacts likely. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include protection of all elements of the environment (water, land, soil, air), culture and heritage. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity. Legislative requirement for landholder access arrangements and compensation limit any potential impacts.		
Duration	3 weeks		
Application ranking	Positive		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain

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	Natural Resources: Any disruption of existing activities which rely on natural resources, including forestry, farming or extractive industries (or reduction of options for future activities).		
Potential impacts	No impact on Natural resources within the activity area		
Proposed management controls	Negligible impacts likely. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include protection of all elements of the environment (water, land, soil, air), culture and heritage. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity. Legislative requirement for landholder access arrangements and compensation limit any potential impacts.		
Duration	3 weeks		
Application ranking	Positive		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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	Natural Resources: Any use which results in the degradation of any area reserved for conservation purposes.		
Potential impacts	No impact on Natural resources within the activity area		
Proposed management controls	Negligible impacts likely. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include protection of all elements of the environment (water, land, soil, air), culture and heritage. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity. Legislative requirement for landholder access arrangements and compensation limit any potential impacts.		
Duration	3 weeks		
Application ranking	Positive		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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	Sensitive Land Impacts: Impacts on National parks and other areas reserved or dedicated or acquired under the National Parks and Wildlife Act 1974.		
Potential impacts	N/A		
Proposed management controls	N/A		
Duration	N/A		
Application ranking	N/A		
What is the confidence in predicting impacts?	N/A	**Are further studies required on impacts or mitigation?**	N/A

How resilient is the environment to cope with impacts?	N/A	**What is the level of public concern?**	
Can the impacts be reversed?	N/A	**Ranking of potential significance**	N/A
Can the impacts be mitigated?	N/A	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Sensitive Land Impacts: Land subject to a 'conservation agreement' under the National Parks and Wildlife Act 1974 and/or the Biodiversity Conservation Act 2016. This includes: a. Biobanking agreement (established under the now repealed Threatened Species Conservation Act 1995) or a Biodiversity Stewardship agreement established under the Biodiversity Conservation Act 2016. b. Wildlife Refuge agreement established under the Biodiversity Conservation Act 2016. c. Existing conservation agreements that continue to have effect even where legislation has been repealed: Trust agreements under the now repealed Nature Conservation Trust Act 2001 Property vegetation plans made under the now-repealed Native Vegetation Act 2003 Registered property agreements under the repealed Native Vegetation Conservation Act 1997		
Potential impacts	N/A		
Proposed management controls	N/A		
Duration	N/A		
Application ranking	N/A		
What is the confidence in predicting impacts?	N/A	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	N/A	**What is the level of public concern?**	
Can the impacts be reversed?	N/A	**Ranking of potential significance**	N/A
Can the impacts be mitigated?	N/A	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Sensitive Land Impacts: Impacts on aquatic reserves or marine parks declared under the Marine Estate Management Act 2014. Impacts on Coastal Zone as defined in the Coastal Management Act 2016.		
Potential impacts	N/A		
Proposed management controls	N/A		
Duration	N/A		
Application ranking	N/A		
What is the confidence in predicting impacts?	N/A	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	N/A	**What is the level of public concern?**	
Can the impacts be reversed?	N/A	**Ranking of potential significance**	N/A
Can the impacts be mitigated?	N/A	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Sensitive Land Impacts: Fishing grounds and commercial fish breeding or nursery areas.		
Potential impacts	No impact on Natural resources within the activity area		
Proposed management controls	NA		
Duration	3 weeks		
Application ranking	Positive		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain

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	Sensitive Land Impacts: Impacts on other sensitive lands including: a. Land within a state forest set aside under the Forestry Act 2012 for conservation values. This includes flora reserves and special management (and other) zones. b. Drinking water catchment protection areas - land declared to be a 'controlled area' or a 'special area' under the Water NSW Act 2014, or a 'special area' under the Water Management Act 2000 or Hunter Water Act 1991. c. Waterfront land as defined under the Water Management Act 2000.		
Potential impacts	No impact on Natural resources within the activity area		
Proposed management controls	NA		
Duration	3 weeks		
Application ranking	Positive		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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	Sensitive Land Impacts: Impacts on land reserved or dedicated within the meaning of the Crown Lands Act 1989/Crown Lands Management Act 2016 for preservation of the environment or other environmental protection purposes.		
Potential impacts	N/A		
Proposed management controls	N/A		
Duration	N/A		
Application ranking	N/A		
What is the confidence in predicting impacts?	N/A	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	N/A	**What is the level of public concern?**	
Can the impacts be reversed?	N/A	**Ranking of potential significance**	N/A
Can the impacts be mitigated?	N/A	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Sensitive Land Impacts: Impacts on land identified as wilderness or declared a wilderness area under the Wilderness Act 1987.		
Potential impacts	N/A		
Proposed management controls	N/A		
Duration	N/A		
Application ranking	N/A		
What is the confidence in predicting impacts?	N/A	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	N/A	**What is the level of public concern?**	
Can the impacts be reversed?	N/A	**Ranking of potential significance**	N/A
Can the impacts be mitigated?	N/A	**Justification for ranking**	

Do the operations comply with standards, plans, policies?	N/A		
Criteria	Sensitive Lands: Impacts on wetlands of international significance designated under the Ramsar Convention on Wetlands and those designated as a nationally important wetland in the Directory of Important Wetlands of Australia.		
Potential impacts	Parts of the Tallebung mining area have been declared a NSW Wetland. The proposed activity is not expectedf to affect the existing land use.		
Proposed management controls	Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include minimising potential impacts on all aspects of the environment (including water, land, air).		
Duration	N/A		
Application ranking	N/A		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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	Sensitive Land Impacts: Impacts on land identified in an environmental planning instrument as being of biodiversity / conservation significance or zoned for environmental conservation, protection and/or management. Includes Coastal Wetlands and Littoral rainforests under State Environmental Planning Policy (Resilience and Hazards) 2021.		
Potential impacts	N/A		
Proposed management controls	N/A		
Duration	N/A		
Application ranking	N/A		
What is the confidence in predicting impacts?	N/A	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	N/A	**What is the level of public concern?**	
Can the impacts be reversed?	N/A	**Ranking of potential significance**	N/A
Can the impacts be mitigated?	N/A	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Sensitive Land Impacts: Impacts on Aboriginal heritage protection areas: a. Aboriginal places and objects under the National Parks and Wildlife Act 1974 b. Areas of Aboriginal cultural significance identified in an environmental planning instrument.		
Potential impacts	Activity not permitted in these areas.		
Proposed management controls	N/A		
Duration	N/A		
Application ranking	N/A		
What is the confidence in predicting impacts?	N/A	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	N/A	**What is the level of public concern?**	
Can the impacts be reversed?	N/A	**Ranking of potential significance**	N/A
Can the impacts be mitigated?	N/A	**Justification for ranking**	

Do the operations comply with standards, plans, policies?	N/A		
Criteria	Sensitive Land Impacts: Impacts on heritage protection areas (historic or natural): a. Nationally and internationally recognised heritage sites or areas (World Heritage List, National Heritage List of Commonwealth Heritage List) b. Items listed on State Heritage c. Heritage items and conservation areas identified in an environmental planning instrument		
Potential impacts	N/A		
Proposed management controls	N/A		
Duration	N/A		
Application ranking	N/A		
What is the confidence in predicting impacts?	N/A	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	N/A	**What is the level of public concern?**	
Can the impacts be reversed?	N/A	**Ranking of potential significance**	N/A
Can the impacts be mitigated?	N/A	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Sensitive Land Impacts: Impacts on community land classified under the Local Government Act 1993 (for which a plan of management has been prepared).		
Potential impacts	N/A		
Proposed management controls	N/A		
Duration	N/A		
Application ranking	N/A		
What is the confidence in predicting impacts?	N/A	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	N/A	**What is the level of public concern?**	
Can the impacts be reversed?	N/A	**Ranking of potential significance**	N/A
Can the impacts be mitigated?	N/A	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Sensitive Land Impacts: Impacts on bushfire prone areas.		
Potential impacts	No impact on Natural resources within the activity area		
Proposed management controls	NA		
Duration	3 weeks		
Application ranking	Positive		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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	Social Impacts: Any impacts which result in a change in the demographic structure of the community, including changes to workforce or industry structure of the area/region. Including change in demand for community resources (eg community facilities, community services and labour force).		
Potential impacts	No Impact		

Proposed management controls	Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include protection of all elements of the environment (water, land, soil, air), culture and heritage.		
Duration	3 weeks		
Application ranking	Positive		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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	Social Impacts: Any environmental impact that may cause substantial change or disruption to the community (including loss of facilities or loss of community identity).		
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 Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include protection of all elements of the environment (water, land, soil, air), culture and heritage.		
Duration	3 weeks		
Application ranking	Positive		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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	Social Impacts: Any impacts which result in some individuals or communities being significantly disadvantaged (e.g. change to community facilities, services or labour force).		
Potential impacts	No Impact		
Proposed management controls	Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include protection of all elements of the environment (water, land, soil, air), culture and heritage.		
Duration	3 weeks		
Application ranking	Positive		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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	Social Impacts: Any impacts on the health, safety, privacy or welfare of individuals or communities caused by factors such as pollution, odour, noise, vibration, lighting, visual impacts, etc).		
Potential impacts	No Impact		
Proposed management controls	Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include protection of all elements of the environment (water, land, soil, air), culture and heritage.		
Duration	3 weeks		
Application ranking	Positive		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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	Social Impacts: Effect on a locality, place or building having aesthetic, anthropological, archaeological, architectural, cultural, historical, scientific or social significance or other special value for present or future generations?		
Potential impacts	No Impact		
Proposed management controls	Stannum Pty Ltd have completed the right to negotiate process prior to Minister's Consent under condition 2 of EL6699 being granted on 22 December 2023. Therefore, Stannum have complied with condition 2 – over the entire licence area – and no further native title actions are required.		
Duration	3 weeks		
Application ranking	Positive		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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	Social Impacts: Impacts on communities with strong sense of identity.		
Potential impacts	No Impact		
Proposed management controls	Stannum Pty Ltd have completed the right to negotiate process prior to Minister's Consent under condition 2 of EL6699 being granted on 22 December 2023. Therefore, Stannum have complied with condition 2 – over the entire licence area – and no further native title actions are required.		
Duration	3 weeks		
Application ranking	Positive		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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	Social Impacts: Impacts on disadvantaged communities.		

Potential impacts	No Impact		
Proposed management controls	Stannum Pty Ltd have completed the right to negotiate process prior to Minister's Consent under condition 2 of EL6699 being granted on 22 December 2023. Therefore, Stannum have complied with condition 2 – over the entire licence area – and no further native title actions are required.		
Duration	3 weeks		
Application ranking	Positive		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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	Economic Impacts: Any impacts which may affect economic activity (positive or negative), including a decrease to net economic welfare.		
Potential impacts	Minor positive impacts on local economy due to purchasing of supplies and materials.		
Proposed management controls	Engage with local businesses and encourage purchasing goods locally where practicable.		
Duration	3 weeks		
Application ranking	Positive		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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	Economic Impacts: Any impacts that result in a decrease in the economic stability of the community.		
Potential impacts	Minor positive impacts on local economy due to purchasing of supplies and materials.		
Proposed management controls	Engage with local businesses and encourage purchasing goods locally where practicable.		
Duration	3 weeks		
Application ranking	Positive		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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	Economic Impacts: Any impacts which result in a change to the public sector revenue or expenditure base.		
Potential impacts	Minor positive impacts on local economy due to purchasing of supplies and materials.		
Proposed management controls	Engage with local businesses and encourage purchasing goods locally where practicable.		
Duration	3 weeks		
Application ranking	Positive		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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	Heritage Impacts: Any impacts on a locality, place, landscape, building or archaeological relic of heritage significance.		
Potential impacts	No impact		
Proposed management controls	Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include minimising potential impacts on all aspects of the environment (including water, land, air), culture and heritage (Aboriginal and Non-Indigenous heritage). All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any boreholes).		
Duration	3 weeks		
Application ranking	Positive		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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	Aesthetic Impacts: Any impacts on the visual or scenic landscape, including lighting, venting or flaring of gas.		
Potential impacts	No impact		
Proposed management controls	Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include minimising potential impacts on all aspects of the environment (including water, land, air), culture and heritage (Aboriginal and Non-Indigenous heritage). All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any boreholes).		
Duration	3 weeks		
Application ranking	Positive		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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	Aesthetic Impacts: Areas or items of high aesthetic or scenic value.		
Potential impacts	No impact		
Proposed management controls	Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include minimising potential impacts on all aspects of the environment (including water, land, air), culture and heritage (Aboriginal and Non-Indigenous heritage). All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any boreholes).		

Duration	3 weeks		
Application ranking	Positive		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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	Cultural Impacts: Any disturbance of the ground surface or any culturally modified trees (e.g. a scar tree).		
Potential impacts	Disturbance of the ground during preparation and conduct of drilling operations. No impact as the ground and historic vegetation has been extensively disturbed by historic mining activity.		
Proposed management controls	The proposed activity is in an area under Native Title claim. An access agreement has been negotiated and Ministers Consent received. A Cultural Heritage survey will be undertaken prior to commencement of activities. Staff will undergo cultural heritage training. Ensure native title boundaries are shown on maps and plans. Conduct cultural heritage due diligence assessment as part of APO process. Inductions and training for staff in Cultural Heritage procedure and what to do if find cultural heritage site or object.		
Duration	3 weeks		
Application ranking	Negligible		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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	Cultural Impacts: Any impacts on known Aboriginal objects or Aboriginal places.		
Potential impacts	No known site or places from AHIMs search		
Proposed management controls	The proposed activity is in an area under Native Title claim. An access agreement has been negotiated and Ministers Consent received. A Cultural Heritage survey will be undertaken prior to commencement of activities. Staff will undergo cultural heritage training. Ensure native title boundaries are shown on maps and plans. Conduct cultural heritage due diligence assessment as part of APO process. Inductions and training for staff in Cultural Heritage procedure and what to do if find cultural heritage site or object.		
Duration	3 weeks		
Application ranking	Negligible		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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	Cultural Impacts: Affects areas where the landscape features indicate the likely presence of Aboriginal objects.		
Potential impacts	Not located near any of these areas		

Proposed management controls	The proposed activity is in an area under Native Title claim. An access agreement has been negotiated and Ministers Consent received. A Cultural Heritage survey will be undertaken prior to commencement of activities. Staff will undergo cultural heritage training. Ensure native title boundaries are shown on maps and plans. Conduct cultural heritage due diligence assessment as part of APO process. Inductions and training for staff in Cultural Heritage procedure and what to do if find cultural heritage site or object.		
Duration	3 weeks		
Application ranking	Negligible		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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	Cultural Impacts: Affects areas subject to native title claims, indigenous land use agreements or joint management arrangements.		
Potential impacts	The area of proposed activity is under Native Title Claim		
Proposed management controls	The proposed activity is in an area under Native Title claim. An access agreement has been negotiated and Ministers Consent received. A Cultural Heritage survey will be undertaken prior to commencement of activities. Staff will undergo cultural heritage training. Ensure native title boundaries are shown on maps and plans. Conduct cultural heritage due diligence assessment as part of APO process. Inductions and training for staff in Cultural Heritage procedure and what to do if find cultural heritage site or object.		
Duration	3 weeks		
Application ranking	Negligible		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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	Cultural Impacts: Impacts on Aboriginal communities or areas subject to land rights claims.		
Potential impacts	No known site or places from AHIMs search		
Proposed management controls	The proposed activity is in an area under Native Title claim. An access agreement has been negotiated and Ministers Consent received. A Cultural Heritage survey will be undertaken prior to commencement of activities. Staff will undergo cultural heritage training. Ensure native title boundaries are shown on maps and plans. Conduct cultural heritage due diligence assessment as part of APO process. Inductions and training for staff in Cultural Heritage procedure and what to do if find cultural heritage site or object.		
Duration	3 weeks		
Application ranking	Negligible		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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	Cultural Impacts: Impacts on areas or items of high anthropological, archaeological, architectural, cultural, heritage, historical, recreational or scientific value.		
Potential impacts	Disturbance of the ground during preparation and conduct of drilling operations. No impact as the ground and historic vegetation has been extensively disturbed by historic mining activity.		
Proposed management controls	The proposed activity is in an area under Native Title claim. An access agreement has been negotiated and Ministers Consent received. A Cultural Heritage survey will be undertaken prior to commencement of activities. Staff will undergo cultural heritage training. Ensure native title boundaries are shown on maps and plans. Conduct cultural heritage due diligence assessment as part of APO process. Inductions and training for staff in Cultural Heritage procedure and what to do if find cultural heritage site or object.		
Duration	3 weeks		
Application ranking	Negligible		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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	Land Use Impacts: Any major changes in land use, including curtailment of other beneficial land uses.		
Potential impacts	No impact on land use		
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	3 weeks		
Application ranking	Positive		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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	Transportation Impacts: Substantial impacts on existing transportation systems (road, rail, pedestrian) which alter present patterns of circulation or movement.		
Potential impacts	No significant impacts on transportation		
Proposed management controls	Minimise use of gravel road when wet and follow local council directions regarding road closures and weight limits to minimise damage. Drive to conditions to minimise dust and damage to roads		
Duration	3 weeks		
Application ranking	Negligible		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain

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	Transportation Impacts: Impacts associated with direct or indirect additional traffic.		
Potential impacts	No significant impacts on transportation		
Proposed management controls	Minimise use of gravel road when wet and follow local council directions regarding road closures and weight limits to minimise damage. Drive to conditions to minimise dust and damage to roads		
Duration	3 weeks		
Application ranking	Negligible		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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	Consistency with applicable local strategic planning statements, regional strategic plans or district strategic plans.		
Potential impacts	The activity area falls within the area covered by the Central West and Orana Regional Plan 2041. The activity area is within the Cobar Shire and the LSEP supports the development of mining activities. The closest town, Condobolin, is in the Lachlan Shire and one of the aims of the LEP is to encourage development and provision of employment opportunities and sustainable growth.		
Proposed management controls	Liaise with local Councils and update on progress of our activities.		
Duration	3 weeks		
Application ranking	Positive		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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	Matters of National Environmental Significance: Impacts on MNES under the Commonwealth Environmental Protection and Biodiversity Conservation Act 1999:		
Potential impacts	No impacts		
Proposed management controls	NA		
Duration	3 weeks		
Application ranking	Positive		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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	Cumulative Impacts: Cumulative environmental effects with other existing or likely future activities.		
Potential impacts	The environment has been significantly altered over time due to historic open cut alluvial mining and hard rock reef mining activities. The proposed activity is anticipated to cause only minor additional impact on the already highly disturbed environment. The impacts will be vegetation clearing for drill pads and access.		
Proposed management controls	Management control include minimising vegetation clearing, rehabilitation of sites as soon as practicable following completion of activity		
Duration	3 weeks		
Application ranking	Negligible		
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?	Medium Resilience	**What is the level of public concern?**	Uncertain
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		

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