

Wednesday 29 May 2024

Assessable Prospecting Operation Application Decision Briefing and Review of Environmental Factors document Toorang | APO0001762

| Decision Maker | Jenifa Richards |
|---------------------------|--------------------------------|
| Prepared by | Marianne Bonnay |
| Title | EL 9301 (1992) |
| Authorised Representative | |
| Project name | Toorang |
| Activity type | Complying Exploration Activity |

Issue

has sought an activity approval in respect of Toorang, within EL 9301 (1992), at 34km SSW of Brewarrina.

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,

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- 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 9302 (granted 1/10/2021 & expiry 1/10/2026) to undertake assessable prospecting operations.

The current security deposit held for EL 9301 is \$10,000.

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

Proposed exploration activity

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

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

No alternatives options to the proposed activity were considered.

Security

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

Assessment of Impacts (Complying exploration activity)

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

Additional terms (if approved)

No additional terms are required.

Summary

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

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

Certification

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

Recommendation

The Decision Maker, under delegation from the Minister:

- Assesses the environmental impact of Toorang 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

| Air Impacts: Air quality impacts (including impacts on nearby sensitive receptors). |
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| Particulates and emissions from vehicle exhausts, plant and machinery. |
| Wind erosion and dust from disturbed soils during construction and operations. |
| Dust from vehicles travelling over tracks. |
| Dust generation from operating plant and machinery. |
| Air quality impacts on nearby sensitive receivers. |
| Dust generated will equate to less than generated on adjacent station track, and the main dust issue is the health of the drilling personnel. Accordingly management controls will be designed to reduce the potential dust impacts of the RC drilling and will utilize dust suppression for this air drilling technique. |
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| Proposed management controls | Activities must comply with CEA Location Po | estrictions Impac | t Thresholds and Criteria. Activities |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Duration | Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Activities must comply with cumulative AQ criteria. b. Emissions from the activities should not result in cumulative PM10 levels exceeding 50ug/m3 (24hr) or 30 ug/m3 (annual average) at any occupied residence. c. Emissions from the activities should not result in cumulative PM2.5 emissions exceeding 25 ug/m3 (24hr) or 8 ug/m3 (annual average) at any occupied residence. d. Vehicle speeds limited to minimise dust. e. Roads watered during high traffic periods. f. Surface disturbance managed in accordance with Blue Book. Impacts of any drilling limited to immediate vicinity of drilling due to controls set out in title conditions (Exploration Code of Practice: Environmental Management). Impacts negligible due to nature of drilling activities. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any boreholes). | | |
| Application ranking | | | |
| What is the confidence in predicting impacts? | High | Are further studies required on impacts or mitigation? | No |
| How resilient is the environment to cope with impacts? | N/A | What is the level of public concern? | Low |
| Can the impacts be reversed? | Yes | Ranking of potential significance | Low |
| Can the impacts be mitigated? | Partly | Justification f | or ranking |
| Do the operations comply with standards, plans, policies? | Yes | | |
| Criteria Potential impacts | Air Impacts: Greenhouse or ozone impacts. | | |
| | construction, operations and rehabilitation. Fugitive methane emissions from intercepte Fugitive emissions of gases or vapour from AIR Dust generated will equate to less than gene is the health of the drilling personnel. Accord the potential dust impacts of the RC drilling a technique. | drilling operations erated on adjacer lingly manageme | nt station track, and the main dust issue ent controls will be designed to reduce |
| Proposed management controls | Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Petroleum exploration activities cannot be a CEA. CO2 emissions from activities are extremely limited and inconsequential in context of global emissions and impact. Restrictions on use of ozone depleting substances in NSW also limits ozone depletion. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any boreholes). | | |
| Duration | Medium term atmospheric residence. | | |
| Application ranking | | | |
| What is the confidence in predicting impacts? | High | Are further studies required on impacts or mitigation? | No |
| How resilient is the environment to cope with impacts? | High Resilience | What is the level of public concern? | Low |
| Can the impacts be reversed? | Yes | Ranking of potential significance | Low |
| Can the impacts be mitigated? | Partly | Justification f | or ranking |
| Do the operations comply with standards, plans, policies? | Yes | | |
| Criteria | Air Impacts: Additional impacts on areas wit | n degraded air qu | uality. |

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| Potential impacts | Potential for temperature inversions in winter to trap dust and air particulates. | | | | |
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| | Wind erosion possible from exposed soils. | | | | |
| | Particulate emissions from vehicles and machinery. | | | | |
| | Dust generation from operating machinery, vehicles travelling over tracks, etc. | | | | |
| | AIR Dust generated will equate to less than generated on adjacent station track, and the main dust issue is the health of the drilling personnel. Accordingly management controls will be designed to reduce the potential dust impacts of the RC drilling and will utilize dust suppression for this air drilling technique. | | | | |
| Down and management as natural | | | | | |
| Proposed management controls | Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Activities must comply with cumulative AQ criteria. b. Emissions from the activities should not result in cumulative PM10 levels exceeding 50ug/m3 (24hr) or 30 ug/m3 (annual average) at any occupied residence. c. Emissions from the activities should not result in cumulative PM2.5 emissions exceeding 25 ug/m3 (24hr) or 8 ug/m3 (annual average) at any occupied residence. d. Vehicle speeds limited to minimise dust. e. Roads watered during high traffic periods. f. Surface disturbance managed in accordance with Blue Book. Impacts of any drilling limited to immediate vicinity of drilling due to controls set out in Exploration Code of Practice: Environmental Management (impacts negligible due to nature of drilling activities). All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any boreholes). | | | | |
| Duration | Short term | | | | |
| Application ranking | | | | | |
| What is the confidence in predicting impacts? | High | Are further studies required on impacts or | No | | |
| | mitigation? | | | | |
| How resilient is the environment to cope with impacts? | High Resilience What is the level of public | | | | |
| Can the impacts be reversed? | Yes Concern? Yes Ranking of Low | | | | |
| | potential significance | | | | |
| Can the impacts be mitigated? | Partly | Justification f | or ranking | | |
| Do the operations comply with standards, plans, policies? | Yes | | | | |
| Criteria | Water Impacts: Impacts from the use of surface or groundwater. | | | | |
| Potential impacts | Water used for exploration not available for e | ecological, stock, | , domestic or irrigation purposes. | | |
| | Surface runoff can be sediment laden. | | | | |
| | Generally minimal surface water use (must be licensed or use of farm dams through landholder agreements). No use of groundwater but potential loss through produced water in drilling / deep excavation operations. Interception, cross contamination and/or depressurisation of groundwater systems in drilling operations. Groundwater depressurisation effects on surface water. | | | | |
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| | Mobilisation of pollutants (such as hydrocarb | oons) in surface v | water or aquifers. | | |
| SURFACE Water Land subject to inundation and flooding (refer to 2022 flooding) observed in ex The CH3 site is 1.5 km north of the Bogan River, and has no connection with to sloped partly downward away from the river (i.e. northward) | | | | | |
| | GROUND Water While nil groundwater is expected, the title holder will contain all drill cuttings, fluids and ground water returned to the surface as part of the drilling process in above-ground sump tanks or inground sumps pending recirculation of disposal. In-ground sumps must be lined with impermeable barrier where there is a potential risk of contamination from drill cuttings or fluids. | | | | |

| or quantity. b. Activities must not cause adverse impacts to livestock (including any adverse impacts on surface water supplies used by livestock). Water used for access track watering must be obtained from licensed source or farm dams (with consent of owner). Boreholes to be constructed, operated and decommissioned in accordance with authority/fittle conditions, Departmental Guidelines and Codes of Practice to protect groundwater/aquifers. Duration Application ranking What is the confidence in predicting impacts? What is the environment to cope with impacts? High Resilience High Resilience What is the environment to cope with impacts? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Negligible and only localised impacts from storage of water. Water used for exploration temporarily not available for ecological, stock, domestic or irrigation purposes. Generally minimal redirection of flow and changes to flow rates and volumes of a waterbody. Surface runoff can be sediment laden. Generally minimal surface water use (must be licensed or use of farm dams through landholder agreements). No use of groundwater but potential loss through produced water in drilling / deep excavation operations. SURFACE Water Land subject to inundation and flooding (refer to 2022 flooding) observed in exploration area. The CH3 site is 1.5 km north of the Bogan River, and has no connection with the Bogan. The land | Proposed management controls | commitment in the application (APO). Relevant requirements of this Code include: a. Activities must implement all measures to prevent causing any adverse impacts on water quality or quantity. b. Activities must not cause adverse impacts to livestock (including any adverse impacts on surface water supplies used by livestock). Water used for access track watering must be obtained from licensed source or farm dams (with consent of owner). Boreholes to be constructed, operated and decommissioned in accordance with authority/title | | |
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| Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with the Exploration Code of Practice: Environmental Management as per the commitment in the application (APO). Relevant requirements of this Code include: a. Activities must implement all measures to prevent causing any adverse impacts on water quality or quantity b. Activities must not cause adverse impacts to livestock (including any adverse impacts on surfact water supplies used by livestock). All management and storage of produced water must comp with the title conditions. In addition, the Exploration Code of Practice: Produced Water Management, Storage and Transfer applies to i. petroleum exploration which requires the management of produced water, or ii. activities which require produced water to be stored on sit (excluding the management of incidental groundwater mixed with drilling fluids that can be temporarily contained in drilling sumps or above ground tanks). Any impacts subject to compensation and landholder access arrangements (e.g. any impacts on land use from storage o water). Duration Activities must comply with CEA Location Restrictions, Impact Supplies to Practice: Environmental Management as per the commitment of this Code include: a. Activities must require must comp water must comp water supplies to investock (including any adverse impacts on water must comp water must comp water supplies to it in a constitution of produced water must comp with the title conditions. In addition, the Exploration Code of Practice: Produced water must comp wa | | must comply with the Exploration Code of P commitment in the application (APO). Relevented in the application (APO). Relevented in the application (APO). Relevented in the application (APO). All makes adverse impacts water supplies used by livestock). All makes water supplies used by livestock). All makes water supplies used by livestock). All makes water applies water title conditions. In addition, the Exp Management, Storage and Transfer applies management of produced water, or ii. actives (excluding the management of incidental great temporarily contained in drilling sumps or all compensation and landholder access arrangement). | ractice: Environmy ant requirements using any adverse s to livestock (incanagement and soloration Code of to i. petroleum vities which require undwater mixed to ve ground tanks | nental Management as per the sof this Code include: a. Activities impacts on water quality or quantity. Iuding any adverse impacts on surface torage of produced water must comply Practice: Produced Water exploration which requires the re produced water to be stored on site with drilling fluids that can be so. Any impacts subject to |
| Application ranking | | | | |

| How resilient is the environment to cope with impacts? High Resilience High Resilience What is the level of public concern? | | | | |
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| How resilient is the environment to cope with impacts? High Resilience What is the level of public concern? | What is the confidence in | High | Are further | No |
| How resilient is the environment to cope with impacts? High Resilience What is the level of public concern? | predicting impacts? | | studies | |
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| Can the impacts be reversed? Yes | | | mitigation? | |
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| ground sumps pending recirculation of disposal. In-ground sumps must be lined with impermeat barrier where there is a potential risk of contamination from drill cuttings or fluids. 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 commitr in the application (APO). Relevant requirements of this Code include: a. Activities must implied all measures to prevent causing any adverse impacts on water quality or quantity. b. All sediment and erosion controls (including drainage from roads/access tracks) to be managed in accordance with Blue Book. c. Existing access tracks to be used/upgraded wherever possible. All management and storage of produced water must comply with the title conditions. In addition the Exploration Code of Practice: Produced Water Management, Storage and Transfer applies to perform a committee of produced water to be stored on site (excluding the management of incidental groundwater mixed with drilling fluids that can be temporarily contained in drilling sumps or above ground tan an accordance in predicting impacts? What is the confidence in predicting impacts? High Are further studies required on impacts or mitigation? High Resilience What is the level of public concern? Can the impacts be reversed? Yes Ranking of concern? Can the impacts be mitigated? Do the operations comply with the concern and produced water or ranking. | | | | |
| 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 commitre in the application (APO). Relevant requirements of this Code include: a. Activities must impler all measures to prevent causing any adverse impacts on water quality or quantity. b. All sediment and erosion controls (including drainage from roads/access tracks) to be managed in accordance with Blue Book. c. Existing access tracks to be used/upgraded wherever possible. All management and storage of produced water must comply with the title conditions. In addition the Exploration Code of Practice: Produced Water Management, Storage and Transfer applies to it. petroleum exploration which requires the management of produced water, or ii. activities with require produced water to be stored on site (excluding the management of incidental groundwate mixed with drilling fluids that can be temporarily contained in drilling sumps or above ground tan Short term Population Application ranking What is the confidence in predicting impacts? High Resilience High Resilience What is the environment to cope with impacts? Yes Ranking of potential significance Can the impacts be mitigated? Fully Justification for ranking Do the operations comply with standards, plans, policies? | | | | |
| Proposed management controls Activities must comply with Exploration Code of Practice: Environmental Management as per the committing the application (APO). Relevant requirements of this Code include: a. Activities must impler all measures to prevent causing any adverse impacts on water quality or quantity. b. All sediment and erosion controls (including drainage from roads/access tracks) to be managed in accordance with Blue Book. c. Existing access tracks to be used/upgraded wherever possible. All management and storage of produced water must comply with the title conditions. In addition the Exploration Code of Practice: Produced Water Management, Storage and Transfer applies to perform a produced water to be stored on site (excluding the management of incidental groundwate mixed with drilling fluids that can be temporarily contained in drilling sumps or above ground tansplication ranking What is the confidence in predicting impacts? High Resilience High Resilience What is the environment to cope with impacts be reversed? Yes Ranking of Low potential significance Can the impacts be mittigated? Fully Justification for ranking Do the operations comply with standards, plans, policies? | | | | |
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| must comply with Exploration Code of Practice: Environmental Management as per the commitr in the application (APO). Relevant requirements of this Code include: a. Activities must implier all measures to prevent causing any adverse impacts on water quality or quantity. b. All sediment and erosion controls (including drainage from roads/access tracks) to be managed in accordance with Blue Book. c. Existing access tracks to be used/upgraded wherever possible. All management and storage of produced water must comply with the title conditions. In addition the Exploration Code of Practice: Produced Water Management, Storage and Transfer applies to it. Petroleum exploration which requires the management of produced water, or ii. activities whith require produced water to be stored on site (excluding the management of incidental groundwate mixed with drilling fluids that can be temporarily contained in drilling sumps or above ground tand an accordance in predicting impacts? High | | | | |
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| All management and storage of produced water must comply with the title conditions. In addition the Exploration Code of Practice: Produced Water Management, Storage and Transfer applies to it petroleum exploration which requires the management of produced water, or it activities whis require produced water to be stored on site (excluding the management of incidental groundwate mixed with drilling fluids that can be temporarily contained in drilling sumps or above ground tand Short term Duration | | | | |
| the Exploration Code of Practice: Produced Water Management, Storage and Transfer applies to it petroleum exploration which requires the management of produced water, or it activities white require produced water to be stored on site (excluding the management of incidental groundwate mixed with drilling fluids that can be temporarily contained in drilling sumps or above ground tanson Short term Duration Short term | | | | |
| i. petroleum exploration which requires the management of produced water, or ii. activities whi require produced water to be stored on site (excluding the management of incidental groundwat mixed with drilling fluids that can be temporarily contained in drilling sumps or above ground tan Short term Duration | | | | |
| require produced water to be stored on site (excluding the management of incidental groundwat mixed with drilling fluids that can be temporarily contained in drilling sumps or above ground tand Short term Application ranking | | | | |
| Duration Short term Application ranking What is the confidence in predicting impacts? High Are further studies required on impacts or mitigation? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Medium Medium Medium Medium Medium Medium Low Par further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ranking Yes | | | | |
| Duration Short term | | | | |
| Mode | D4! | | irily contained in | drilling sumps or above ground tanks). |
| What is the confidence in predicting impacts? High Are further studies required on impacts or mitigation? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? High Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ranking | | Snort term | | |
| predicting impacts? Studies required on impacts or mitigation? | | Litale | A | l NI- |
| Tequired on impacts or mitigation? High Resilience What is the level of public concern? | | Hign | | INO |
| How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? | predicting impacts? | | | |
| How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? | | | | |
| How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? High Resilience What is the level of public concern? Ranking of potential significance Justification for ranking Yes | | | | |
| cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? | Have no alliant to the | Histor Davillance | | B.A. dissue |
| Can the impacts be reversed? Can the impacts be mitigated? Can the impacts be mitigated? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? | | High Resilience | | Iviedium |
| Can the impacts be reversed? Can the impacts be mitigated? Can the impacts be mitigated? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? | cope with impacts? | | | |
| Can the impacts be reversed? Yes Ranking of potential significance Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Yes Ranking of potential significance Justification for ranking | | | | |
| Can the impacts be mitigated? Fully Justification for ranking Do the operations comply with standards, plans, policies? | Con the immediate in the control is | V | | Law |
| Can the impacts be mitigated? Fully Justification for ranking Do the operations comply with standards, plans, policies? | Can the impacts be reversed? | Yes | | Low |
| Can the impacts be mitigated? Fully Justification for ranking Do the operations comply with standards, plans, policies? Yes | | | | |
| Do the operations comply with standards, plans, policies? | One the book of the 10 of 10 | E.U. | | |
| standards, plans, policies? | | , | Justification f | or ranking |
| | | Yes | | |
| vvater impacts: impacts from aquifer interference, including changes to inter-aquifer connectivity | | Materilles and the least of the | l | hamma to inter a self-second self-second |
| | Griteria | vvaler impacts. Impacts from aquiter interfer | ence, including o | manges to inter-aquirer connectivity. |

| Potential impacts | No use of groundwater but potential loss throoperations. | ough produced w | rater in drilling / deep excavation | |
|--------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-------------------------------------|--|
| | Interception, cross contamination and/or depressurisation of groundwater systems in drilling operations. Groundwater depressurisation effects on surface water. | | | |
| | Mobilisation of pollutants (such as hydrocarbons) in surface water or aquifers. | | | |
| | GROUND Water While nil groundwater is expected, the title holder will contain all drill cuttings, fluids and ground water returned to the surface as part of the drilling process in above-ground sump tanks or inground sumps pending recirculation of disposal. In-ground sumps must be lined with impermeable barrier where there is a potential risk of contamination from drill cuttings or fluids. | | | |
| Proposed management controls | Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Activities must implement all measures to prevent causing any adverse impacts on water quality or quantity. b. Activities must minimise cross connection of aquifers or groundwater sources. c. Activities must minimise any depressurisation of aquifers or groundwater sources. d. Coal and petroleum title holders must prepare and implement and Groundwater Monitoring & Modelling Plan in consultation with NSW Office of Water. Boreholes to be constructed, operated and decommissioned in accordance with authority/title conditions, Departmental Guidelines and Codes of Practice to protect groundwater/aquifers. | | | |
| Duration | Short term | | | |
| Application ranking What is the confidence in predicting impacts? | High | Are further studies required on impacts or mitigation? | No | |
| How resilient is the environment to cope with impacts? | High Resilience | What is the level of public concern? | Low | |
| Can the impacts be reversed? | Yes Ranking of potential significance | | | |
| Can the impacts be mitigated? | Fully Justification for ranking | | | |
| Do the operations comply with | Yes | | | |
| standards, plans, policies? Criteria | Water Impacts: Impacts from changes to floo | | mos | |
| Potential impacts | | | | |
| | Negligible and only localised changes to drainage flows/flooding regime. Surface runoff can be sediment laden. SURFACE Water Land subject to inundation and flooding (refer to 2022 flooding) observed in exploration area. The CH3 site is 1.5 km north of the Bogan River, and has no connection with the Bogan. The land slopes gently downward away from the river (i.e. northward) | | | |
| Proposed management controls | Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Activities must implement all measures to prevent causing any adverse impacts on water quality or quantity. b. All sediment and erosion controls (including drainage from roads/access tracks) to be managed i accordance with Blue Book. c. Existing access tracks to be used/upgraded wherever possible. All management and storage of produced water must comply with the title conditions. In addition, the Exploration Code of Practice: Produced Water Management, Storage and Transfer applies to i. petroleum exploration which requires the management of produced water, or ii. activities which require produced water to be stored on site (excluding the management of incidental groundwater mixed with drilling fluids that can be temporarily contained in drilling sumps or above ground tanks). | | | |
| Duration Application replains | Short term | | | |
| Application ranking What is the confidence in predicting impacts? | High | Are further studies required on impacts or mitigation? | No | |
| How resilient is the environment to cope with impacts? | High Resilience | What is the level of public concern? | Medium | |

| Can the impacts be reversed? | Yes | Ranking of potential significance | Low | |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|--------------------------------|--|
| Can the impacts be mitigated? | Fully | Justification f | or ranking | |
| Do the operations comply with standards, plans, policies? | Yes | | | |
| Criteria | Water Impacts: Impacts from changes in surface or groundwater quality and quantity. | | | |
| Potential impacts | Water Impacts: Impacts from changes in surface or groundwater quality and quantity. Water used for exploration temporarily not available for ecological, stock, domestic or irrigation purposes. Surface runoff can be sediment laden from areas where vegetation has been removed. Generally minimal surface water use (must be licensed or use of farm dams through landholder agreements). No use of groundwater but potential loss through produced water in drilling / deep excavation operations. Interception, cross contamination and/or depressurisation of groundwater systems in drilling operations. Groundwater depressurisation effects on surface water. Mobilisation of pollutants (such as hydrocarbons) in surface water or aquifers. Ford across creeks can cause stream bank erosion from vehicle wash. Inappropriate disposal of drilling wastes / overflow from drilling sumps. SURFACE Water Land subject to inundation and flooding (refer to 2022 flooding) observed in exploration area. The CH3 site is 1.5 km north of the Bogan River, and has no connection with the Bogan. The land slopes gently downward away from the river (i.e. northward) GROUND Water While nil groundwater is expected, the title holder will contain all drill cuttings, fluids and ground water returned to the surface as part of the drilling process in above-ground sump tanks or in- | | | |
| Proposed management controls | ground sumps pending recirculation of disposal. In-ground sumps must be lined with impermeable barrier where there is a potential risk of contamination from drill cuttings or fluids. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Activities must implement all measures to prevent causing any adverse impacts on water quality or quantity. b. Activities must minimise cross connection of aquifers or groundwater sources. c. Activities must minimise any depressurisation of aquifers or groundwater sources. d. Coal and petroleum title holders must prepare and implement and Groundwater Monitoring & Modelling Plan in consultation with NSW Office of Water. e. All sediment and erosion controls to be in accordance with Blue | | | |
| | Book to minimise off-site impacts. | | | |
| Duration | Short term | | | |
| Application ranking | | | | |
| What is the confidence in predicting impacts? | High | Are further studies required on impacts or mitigation? | No | |
| How resilient is the environment to cope with impacts? | High Resilience | What is the level of public concern? | Medium | |
| Can the impacts be reversed? | Yes | Ranking of potential significance | Low | |
| Can the impacts be mitigated? | Fully | Justification f | or ranking | |
| Do the operations comply with standards, plans, policies? | Yes | | | |
| Criteria | Soil & Stability Impacts: Degradation of soil acidification). | quality (including | contamination, salinisation or | |

| Potential impacts | Soil erosion and sediment laden runoff from removed. | disturbed areas | / areas where vegetation has been |
|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------------------------------|
| | Mobilisation of pollutants (such as hydrocarbons) in soils. Inappropriate disposal of drilling wastes / overflow from drilling sumps. Exposure of acid sulfate soils. Soil compaction from construction/operations. Impacts on land with high agricultural capability. | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | Land Soil Capability 6 The soil at the drill site is clayey sand, lackir of river mud from the November 2022 flood. The area of the drill sites and extending bey clumps of trees (but not at the drill sites). Pa'claypan' ground. | ond is flat and ba | are, with occasional single small tree or |
| Proposed management controls | Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Minimising vegetation clearing and surface disturbance. b. Prevent causing any land degradation or pollution/contamination of land or water. b. All sediment and erosion controls (including drainage from roads/access tracks) to be managed in accordance with Blue Book. c. Existing access tracks to be used/upgraded wherever possible. d. Controls on sumps and management of chemicals to significantly reduce risk to soils. All management and storage of produced water must comply with the title conditions. In addition, the Exploration Code of Practice: Produced Water Management, Storage and Transfer applies to i. petroleum exploration which requires the management of produced water, or ii. activities which require produced water to be stored on site (excluding the management of incidental groundwater mixed with drilling fluids that can be temporarily contained in drilling sumps or above ground tanks). All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any | | |
| Duration | boreholes). Short term | | |
| Application ranking | 0.1017 101111 | | |
| What is the confidence in | High | Are further | No |
| predicting impacts? | | studies | |
| | | required on | |
| | | impacts or | |
| Harris Ward to the analysis and to | Little Designation | mitigation? | 1 |
| How resilient is the environment to cope with impacts? | High Resilience | What is the level of | Low |
| cope with impacts? | | public | |
| | | concern? | |
| Can the impacts be reversed? | Yes | Ranking of | Low |
| , and the second | | potential | |
| | | significance | |
| Can the impacts be mitigated? | Fully | Justification f | or ranking |
| Do the operations comply with standards, plans, policies? | Yes | | |
| Criteria | Soil & Stability Impacts: Impacts on land with | n high agricultura | l capability. |
| | | | |

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| Potential impacts | Areas used for exploration activities, access production. | tracks, etc tempo | orarily not available for agricultural | |
|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-------------------------------------------|--|
| | Temporary loss of use of land. | | | |
| | Mobilisation of pollutants (such as hydrocarbons) in soils, air or waters. Inappropriate disposal of drilling wastes / overflow from drilling sumps. | | | |
| | | | | |
| | Use of pesticides, herbicides, fertilisers or ot the environment, including in soils and water | | ave the potential to build up residues in | |
| | Short term noise, air quality and visual impa | cts. | | |
| | Soil erosion and sediment laden runoff from disturbed areas, that could lead to soil or water contamination or land degradation. | | | |
| | Exposure of acid sulfate soils. | | | |
| | Spread of weeds, pest animals and animal/p | lant diseases. | | |
| | Disruption to agricultural / livestock operations. Land Soil Capability 6 The soil at the drill site is clayey sand, lacking in humus, and intermittently topped with a of river mud from the November 2022 flood. The area of the drill sites and extending beyond is flat and bare, with occasional single sclumps of trees (but not at the drill sites). Patches of native grasses occur surrounded b 'claypan' ground. | | | |
| 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 the environment (including livestock protection, control of weeds, pest animals, diseases, etc - and use of above-ground sumps required on BSAL. Impacts limited to activity site and subject to compensation and landholder access arrangements. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any | | | |
| Duration | boreholes). Short term | | | |
| Application ranking | | | | |
| What is the confidence in predicting impacts? | High | Are further studies required on impacts or mitigation? | No | |
| How resilient is the environment to cope with impacts? | High Resilience | What is the level of public concern? | Low | |
| Can the impacts be reversed? | Yes | Ranking of potential significance | Low | |
| Can the impacts be mitigated? | Fully Justification for ranking | | | |
| Do the operations comply with | Yes | | | |
| standards, plans, policies? Criteria | Soil & Stability Impacts: Loss of soil from wir | l nd or water erosio | on | |
| Potential impacts | Increased risk of erosion where vegetation h | | | |
| i otomai impaoto | Potential erosion of disturbed areas. | as scorremove. | . | |
| | Land Soil Capability 6 The soil at the drill site is clayey sand, lackin of river mud from the November 2022 flood. The area of the drill sites and extending beyor clumps of trees (but not at the drill sites). Pa 'claypan' ground. | ond is flat and ba | re, with occasional single small tree or | |

| Proposed management controls Duration Application ranking | Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Minimising vegetation clearing and surface disturbance. b. Prevent causing any land degradation or pollution/contamination of land or water. c. All sediment and erosion controls (including drainage from roads/access tracks) to be managed in accordance with Blue Book. d. Existing access tracks to be used/upgraded wherever possible. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any boreholes). | | |
|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|------------|
| | LE de | A fourth an | LAL |
| What is the confidence in predicting impacts? | High | Are further studies required on impacts or mitigation? | No |
| How resilient is the environment to cope with impacts? | High Resilience | What is the level of public concern? | Low |
| Can the impacts be reversed? | Yes | Ranking of potential significance | Low |
| Can the impacts be mitigated? | Fully | Justification f | or ranking |
| Do the operations comply with standards, plans, policies? | Yes Soil & Stability Impacts: Loss of structural in | togrity of the soil | |
| Potential impacts | Soil compaction from access traffic, use of p | <u> </u> | |
| Proposed management controls Duration | Soil erosion from disturbed areas / areas where vegetation has been removed. Mobilisation of pollutants (such as hydrocarbons) in soils. Land Soil Capability 6 The soil at the drill site is clayey sand, lacking in humus, and intermittently topped with a thin veneer of river mud from the November 2022 flood. The area of the drill sites and extending beyond is flat and bare, with occasional single small tree or clumps of trees (but not at the drill sites). Patches of native grasses occur surrounded by bare 'claypan' ground. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Minimising vegetation clearing and surface disturbance. b. Prevent causing any land degradation or pollution/contamination of land or water. b. All sediment and erosion controls (including drainage from roads/access tracks) to be managed in accordance with Blue Book. c. Existing access tracks to be used/upgraded wherever possible. d. Controls on sumps and management of chemicals to significantly reduce risk to soils. All disturbed areas to be rehabilitation in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any boreholes). Deep ripping of any access tracks which need to be rehabilitated can remediate compaction impacts. Impact generally limited due to low traffic numbers and short term nature of exploration. | | |
| Application ranking | Short term | | |
| What is the confidence in predicting impacts? | High | Are further studies required on impacts or mitigation? | No |
| How resilient is the environment to cope with impacts? | High Resilience | What is the level of public concern? | Low |
| | Yes | | I Low |
| Can the impacts be reversed? | | Ranking of potential significance | |
| Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with | Fully Yes | potential | |

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| Potential impacts | Minimal potential impacts. | | | |
|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| | Soil erosion from disturbed areas / areas where vegetation has been removed. | | | |
| | Negligible impacts from induced seismicity or ground movements associated with the activity, extraction of groundwater, etc. | | | |
| | extraction of groundwater, etc. Land Soil Capability 6 The soil at the drill site is clayey sand, lacking in humus, and intermittently topped with a thin veneer of river mud from the November 2022 flood. The area of the drill sites and extending beyond is flat and bare, with occasional single small tree or clumps of trees (but not at the drill sites). Patches of native grasses occur surrounded by bare 'claypan' ground. | | | |
| Proposed management controls | Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Minimising vegetation clearing and surface disturbance. b. Prevent causing any land degradation or pollution/contamination of land or water. c. All sediment and erosion controls (including drainage from roads/access tracks) to be managed in accordance with Blue Book (includes controls to manage instability risks). d. Existing access tracks to be used/upgraded wherever possible. e. Controls on sumps and management of chemicals to significantly reduce risk to soils. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any boreholes). | | | |
| Duration | Short term | | | |
| Application ranking What is the confidence in | High | Aro further | No | |
| predicting impacts? | High Are further studies required on impacts or mitigation? | | | |
| How resilient is the environment to cope with impacts? | High Resilience | What is the level of public concern? | Low | |
| Can the impacts be reversed? | Yes Ranking of potential significance | | | |
| 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 | Noise from vehicles, plant and machinery results in unacceptable impacts on nearby sensitive receivers, such as residences, educational establishments, medical facilities, places of worship, animal boarding/training establishments, intensive livestock agriculture, etc. Percussion drilling can have localised vibration impacts. Drilling unlikely to cause vibration impacts. | | | |
| | Shots have vibration and overpressure impa | cts which may im | npact vibration sensitive sites. | |
| | Vibroseis machinery has vibration impacts which may impact vibration sensitive sites. TIMING/NOISE Standard business hours but 7 days a week Timing: 1/7/2024 to 1/10/2024 While there is a homestead that is occasionally occupied 5 km to the west of the site, the nearest realistically sensitive receiver is the town of Brewarrina, 34 km to the NNE. The title holder will comply with appropriate noise management measures are set out in the Interim Construction Noise Guidelines (DECC,2009) | | | |
| Proposed management controls | Activities must comply with CEA Location Remust comply with (Exploration Code of Pract commitment in the application (APO). Releve Implementing all practicable measures to en receivers. b. Notifying potentially affected less c. Compliance with Interim Construction Noise agreements. d. Ground vibration thresholds residence/sensitive receiver. e. Ground vibrational / European heritage significance of machinery not to be used within 200m of ser heritage significance or any cliff line greater vicinity of exploration activity. | tice: Environment ant requirements sure noise levels andholders at lease Guidelines and s limited to 5 mm ration thresholds or cliff line greate asitive receivers, than 4m in heigh | tal Management) as per the s of this Code include: a. a. meet acceptable criteria for sensitive ast 24hrs prior to detonating explosives. d/or EPL and/or landholder s/s (peak particle velocity) at any il limited to 3 mm/s for any item of r than 4m in height. f. Vibrating item/place of Aboriginal / European | |

| Duration | Short term | | |
|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|----------------------------------------|
| Application ranking | Le L | | |
| What is the confidence in predicting impacts? | High | Are further studies required on impacts or | No |
| | | mitigation? | |
| How resilient is the environment to cope with impacts? | High Resilience | What is the level of public | Low |
| Can the impacts be reversed? | Yes | concern? Ranking of | Low |
| Can the impacts be reversed? | res | potential significance | |
| Can the impacts be mitigated? | Fully | Justification for | or ranking |
| Do the operations comply with standards, plans, policies? | Yes | | |
| Criteria | Noise & Vibration Impacts: Affects sensitive | receptors. | |
| Potential impacts | Noise from vehicles, plant and machinery results in unacceptable impacts on nearby sensitive receivers, such as residences, educational establishments, medical facilities, places of worship, animal boarding/training establishments, intensive livestock agriculture, etc. Percussion drilling can have localised vibration impacts. | | |
| | Drilling unlikely to cause vibration impacts . | | |
| | Shots have vibration and overpressure impa | cts which may im | npact vibration sensitive sites. |
| | Vibroseis machinery has vibration impacts w | hich may impact | vibration sensitive sites. |
| | TIMING/NOISE Standard business hours but 7 days a week Timing: 1/7/2024 to 1/10/2024 While there is a homestead that is occasionally occupied 5 km to the west of the site, the nearest realistically sensitive receiver is the town of Brewarrina, 34 km to the NNE. The title holder will comply with appropriate noise management measures are set out in the Interim Construction Noise Guidelines (DECC,2009) | | |
| Proposed management controls | Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Implementing all practicable measures to ensure noise levels meet acceptable criteria for sensitive receivers. b. Notifying potentially affected landholders at least 24hrs prior to detonating explosives. c. Compliance with Interim Construction Noise Guidelines and/or EPL and/or landholder agreements. d. Ground vibration thresholds limited to 5 mm/s (peak particle velocity) at any residence/sensitive receiver. e. Ground vibration thresholds limited to 3 mm/s for any item of Aboriginal / European heritage significance or cliff line greater than 4m in height. f. Vibrating machinery not to be used within 200m of sensitive receivers, item/place of Aboriginal / European heritage significance or any cliff line greater than 4m in height. Impacts limited to immediate vicinity of exploration activity. | | |
| Duration | Short term | | |
| Application ranking What is the confidence in | Lligh | Ara foutber | No |
| predicting impacts? | High | Are further studies required on impacts or mitigation? | NO |
| How resilient is the environment to cope with impacts? | High Resilience | What is the level of public concern? | Low |
| Can the impacts be reversed? | Yes | Ranking of potential significance | Low |
| Can the impacts be mitigated? | Fully | Justification for | or ranking |
| Do the operations comply with | Yes | | |
| standards, plans, policies? Criteria | Coastal Location & Processes: Affects coast | l al processes and | d coastal hazards, including those |
| Potential impacts | under projected climate change conditions. Activities along the coastline / floodways have | e the notential to | exacerbate coastal erosion (rising sea |
| . Storikar impaoto | Activities along the coastline / floodways have the potential to exacerbate coastal erosion (rising sea levels and increased storm activity under projected climate change conditions could result in increased erosion along the coastline / floodways). | | |
| NOTE: Land subject to inundation and flooding observed in exploration area. | | | |

| Proposed management controls | Activities must comply with CEA Location Remust comply with (Exploration Code of Practicommitment in the application (APO). Relevented implement all measures to prevent cause. All sediment and erosion controls (including accordance with Blue Book. CO2 emissi inconsequential in context of global emission depleting substances in NSW also limits ozo in accordance with title conditions (Exploration occur as soon as practicable after completion). | tice: Environmenty ant requirements any adverse any drainage from ons from activitiens and impact on Code of Practi | tal Management) as per the s of this Code include: a. Activities e impacts on water quality or quantity. roads/access tracks) to be managed in as are extremely limited and Restrictions on use of ozone All disturbed areas to be rehabilitated tice: Rehabilitation). Rehabilitation to |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Duration | Short term | | |
| Application ranking | | | |
| What is the confidence in predicting impacts? | High | Are further studies required on impacts or mitigation? | No |
| How resilient is the environment to cope with impacts? | High Resilience | What is the level of public concern? | Low |
| Can the impacts be reversed? | Yes | Ranking of potential significance | Low |
| Can the impacts be mitigated? | Fully | Justification f | or ranking |
| Do the operations comply with | Yes | | |
| standards, plans, policies? Criteria | Hazardous substances or chemicals: Impact | | h the use, generation, storage or |
| Potential impacts | transport of hazardous substances or chemic Mobilisation of pollutants (such as hydrocarb | | or waters |
| Proposed management controls | Inappropriate disposal of drilling wastes / overflow from drilling sumps. Use of pesticides, herbicides, fertilisers or other chemicals have the potential to build up residues in the environment, including in soils and water. CHEMICAL Regarding drilling additives and especially fuel, the licencee will demand clean practice and no spillage of the contractor. While dry drilling is anticipated, at this stage it is not possible to identify, quantify or describe chemicals additives and muds that might be required in the drilling. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Preventing contamination of the environment by the release of chemicals, fuels, other potential pollutants. b. Preventing any land degradation or pollution/contamination of land or water. c. Controls on sumps and management of chemicals to significantly reduce risk to environment. d. Use of pesticides, herbicides, fertilisers or other chemicals must comply with legislative requirements. e. Wastes+A34 (including any drilling by-products) to be collected, segregated and disposed of lawfully. All management and storage of produced water must comply with the title conditions. In addition, the Exploration Code of Practice: Produced Water Management, Storage and Transfer applies to i. petroleum exploration which requires the management of produced water, or ii. activities which require produced water to be stored on site (excluding the management of incidental groundwater mixed with drilling fluids that can be temporarily contained in drilling sumps or above ground tanks). All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after | | |
| Duration | completion of activity. Short term | | |
| Application ranking | | | |
| What is the confidence in predicting impacts? | High | Are further studies required on impacts or mitigation? | No |
| How resilient is the environment to cope with impacts? | High Resilience | What is the level of public concern? | Low |
| Can the impacts be reversed? | Yes | Ranking of potential significance | Low |
| Can the impacts be mitigated? | Fully | Justification f | or ranking |
| Do the operations comply with standards, plans, policies? | Yes | | |

| Criteria | Wastes & Emissions: Impacts to the environment resulting from the generation or disposal of wastes. | | |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-------------------------------------------|
| Potential impacts | Mobilisation of pollutants (such as hydrocar | bons) in soils, air | or waters. |
| | Inappropriate disposal of drilling wastes / ov | erflow from drillin | ng sumps. |
| | Fugitive emissions of gases or vapour from | drilling operation | s or the operation of flares. |
| | Use of pesticides, herbicides, fertilisers or other chemicals have the potential to build up residue the environment, including in soils and water. WASTE The licencee will ensure that all wastes (including drilling by-products contaminated by chemical contaminated residues, chemicals, oils or fuels) are collected, segregated and securely deposit properly constructed containers and disposed of lawfully. | | |
| | | | |
| Proposed management controls | Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Preventing contamination of the environment by the release of chemicals, fuels, other potential pollutants. b. Preventing any land degradation or pollution/contamination of land or water. c. Controls on sumps and management of chemicals to significantly reduce risk to environment. d. Use of pesticides, herbicides, fertilisers or other chemicals must comply with legislative requirements. e. Wastes (including any drilling by-products) to be collected, segregated and disposed of lawfully. All management and storage of produced water must comply with the title conditions. In addition, the Exploration Code of Practice: Produced Water Management, Storage and Transfer applies to i. petroleum exploration which requires the management of produced water, or ii. activities which require produced water to be stored on site (excluding the management of incidental groundwater mixed with drilling fluids that can be temporarily contained in drilling sumps or above ground tanks). All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of | | |
| Duration | Practice: Rehabilitation). Rehabilitation to of Short term | cour as soon as p | oracticable after completion of activity. |
| Application ranking | Chortenn | | |
| What is the confidence in predicting impacts? | High | Are further studies required on impacts or mitigation? | No |
| How resilient is the environment to cope with impacts? | High Resilience | What is the level of public concern? | Low |
| Can the impacts be reversed? | Yes | Ranking of potential significance | Low |
| Can the impacts be mitigated? | Fully | Justification f | or ranking |
| Do the operations comply with standards, plans, policies? | Yes | | |
| Criteria | Wastes & Emissions: Impacts on drinking w riparian zones or flood prone areas. | ater catchments, | wetlands, natural water bodies, |

| Potential impacts | Negligible and only localised changes to drainage flows/flooding regime. | | | | |
|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------------------------|--|--|
| | Water used for exploration temporarily not a purposes. | vailable for ecolo | gical, stock, domestic or irrigation | | |
| | Surface runoff can be sediment laden from a | reas where vege | etation has been removed. | | |
| | Generally minimal surface water use (must be licensed or use of farm dams through landholder agreements). | | | | |
| | No use of groundwater but potential loss through produced water in drilling / deep excavation operations. | | | | |
| | Interception, cross contamination and/or depressurisation of groundwater systems in drilling operations. Groundwater depressurisation effects on surface water. | | | | |
| | Mobilisation of pollutants (such as hydrocarb | ons) in surface v | vater or aquifers. | | |
| | Ford across creeks can cause stream bank of | erosion from veh | icle wash. | | |
| | Inappropriate disposal of drilling wastes / over | erflow from drillin | g sumps. | | |
| | SURFACE Water Land subject to inundation and flooding (refe The CH3 site is 1.5 km north of the Bogan R slopes gently downward away from the river | iver, and has no | | | |
| | GROUND Water While nil groundwater is expected, the title holder will contain all drill cuttings, fluids and ground water returned to the surface as part of the drilling process in above-ground sump tanks or inground sumps pending recirculation of disposal. In-ground sumps must be lined with impermeable barrier where there is a potential risk of contamination from drill cuttings or fluids. | | | | |
| Proposed management controls | Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Activities must implement all measures to prevent causing any adverse impacts on water quality or quantity. b. All sediment and erosion controls (including drainage from roads/access tracks) to be managed in accordance with Blue Book. All management and storage of produced water must comply with the title conditions. In addition, the Exploration Code of Practice: Produced Water Management, Storage and Transfer applies to i. petroleum exploration which requires the management of produced water, or ii. activities which require produced water to be stored on site (excluding the management of incidental groundwater mixed with drilling fluids that can be temporarily contained in drilling sumps or above ground tanks). All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity. | | | | |
| Duration | Short term | | | | |
| Application ranking | | | | | |
| What is the confidence in | High | Are further studies | No | | |
| predicting impacts? | | required on | | | |
| | | impacts or | | | |
| | | mitigation? | | | |
| How resilient is the environment to cope with impacts? | High Resilience | What is the level of | Medium | | |
| cope with impacts: | | public | | | |
| | | concern? | | | |
| Can the impacts be reversed? | Yes | Ranking of | Low | | |
| | | potential significance | | | |
| Can the impacts be mitigated? | Fully | Justification f | or ranking | | |
| Do the operations comply with | Yes | | | | |
| standards, plans, policies? | Market O Francisco | | | | |
| Criteria | Wastes & Emissions: Impacts on groundwate | er recnarge area | s or areas with high water table. | | |

| Potential impacts | Minimal impact on recharge and salinity. | | |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|------------------------------------------|
| | No use of groundwater but potential loss through produced water in drilling / deep excavati operations. | | |
| | Interception, cross contamination and/or depressurisation of groundwater systems in drilling operations. Groundwater depressurisation effects on surface water. | | |
| | Mobilisation of pollutants (such as hydrocart | oons) in surface v | vater or aquifers. |
| | Inappropriate disposal of drilling wastes / ov | erflow from drillin | g sumps. |
| | Vegetation clearance in recharge areas can | increase salinity | <i>1</i> . |
| | Acid drainage due to exposure of acid sulfat | e soils. | |
| | GROUND Water While nil groundwater is expected, the title holder will contain all drill cuttings, fluids and ground water returned to the surface as part of the drilling process in above-ground sump tanks or inground sumps pending recirculation of disposal. In-ground sumps must be lined with impermeab barrier where there is a potential risk of contamination from drill cuttings or fluids. | | |
| Proposed management controls | Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Activities must implement all measures to prevent causing any adverse impacts on water quality or quantity. All management and storage of produced water must comply with the title conditions. In addition, the Exploration Code of Practice: Produced Water Management, Storage and Transfer applies to i. petroleum exploration which requires the management of produced water, or ii. activities which require produced water to be stored on site (excluding the management of incidental groundwater mixed with drilling fluids that can be temporarily contained in drilling sumps or above ground tanks). Boreholes to be constructed, operated and decommissioned in accordance with authority/title conditions, Departmental Guidelines and Codes of Practice to protect groundwater/aquifers. Drill holes to be cased where aquifers intercepted (minimal impact on recharge and salinity). | | |
| Duration | Short term | , | |
| Application ranking | | | |
| What is the confidence in predicting impacts? | High | Are further studies required on impacts or mitigation? | No |
| How resilient is the environment to cope with impacts? | High Resilience | What is the level of public concern? | Medium |
| Can the impacts be reversed? | Yes | Ranking of potential significance | Low |
| Can the impacts be mitigated? | Fully | Justification for ranking | |
| Do the operations comply with standards, plans, policies? | Yes | | |
| Criteria | Wastes and Emissions: Impacts on coastline landforms. | es or dunes, alpir | ne areas, karst features or other unique |

| operations and the operation of flares. Soil erosion and sediment laden runoff from disturbed areas, that could lead to soil or contamination or land degradation. Exposure of acid sulfate soils. Spread of weeds, pest animals and animal/plant diseases. | from drilling | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| Short term noise, air quality and visual impacts. Particulate emissions from plant and machinery; fugitive emissions of gases or vapour operations and the operation of flares. Soil erosion and sediment laden runoff from disturbed areas, that could lead to soil or contamination or land degradation. Exposure of acid sulfate soils. Spread of weeds, pest animals and animal/plant diseases. | from drilling | | | |
| Particulate emissions from plant and machinery; fugitive emissions of gases or vapour operations and the operation of flares. Soil erosion and sediment laden runoff from disturbed areas, that could lead to soil or contamination or land degradation. Exposure of acid sulfate soils. Spread of weeds, pest animals and animal/plant diseases. | from drilling | | | |
| operations and the operation of flares. Soil erosion and sediment laden runoff from disturbed areas, that could lead to soil or contamination or land degradation. Exposure of acid sulfate soils. Spread of weeds, pest animals and animal/plant diseases. | from drilling | | | |
| contamination or land degradation. Exposure of acid sulfate soils. Spread of weeds, pest animals and animal/plant diseases. | Particulate emissions from plant and machinery; fugitive emissions of gases or vapour from drilling operations and the operation of flares. | | | |
| Spread of weeds, pest animals and animal/plant diseases. | Soil erosion and sediment laden runoff from disturbed areas, that could lead to soil or water contamination or land degradation. | | | |
| | Exposure of acid sulfate soils. | | | |
| | | | | |
| Damage to structures and sensitive features, such as unique landforms. | | | | |
| Activities along the coastline / floodways have the potential to exacerbate coastal eros levels and increased storm activity under projected climate change conditions could re increased erosion along the coastline / floodways). | | | | |
| LANDUSE The existing and continuing land use is low-carrying-capacity sheep grazing, which wil impacted by the drilling operations. | I not be | | | |
| Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria must comply with (Exploration Code of Practice: Environmental Management) as per t commitment in the application (APO). All disturbed areas to be rehabilitated in action (APO). | title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as | | | |
| Duration Short term | | | | |
| Application ranking | | | | |
| What is the confidence in predicting impacts? High Are further studies required on impacts or mitigation? | | | | |
| How resilient is the environment to cope with impacts? High Resilience What is the level of public concern? | | | | |
| Can the impacts be reversed? Yes Ranking of potential Low | | | | |
| significance | | | | |
| Can the impacts be mitigated? Fully Justification for ranking Do the operations comply with Yes | | | | |
| standards, plans, policies? Criteria Wastes & Emissions: Impacts on erosion prone areas, areas with slopes of greater that | an 18 | | | |
| Potential impacts degrees. Minimal potential impacts. | | | | |
| Soil erosion and sediment laden runoff from disturbed areas / areas where vegetation removed. | has been | | | |
| Mobilisation of pollutants (such as hydrocarbons) in soils. | | | | |
| Riverbed / riparian zone disturbance from use of poorly constructed or maintained rive | Ü | | | |
| The area of the drill sites and extending beyond is flat and bare, with occasional single clumps of trees (but not at the drill sites). Patches of native grasses occur surrounded 'claypan' ground. | | | | |
| Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria permitted on slopes exceeding 18 degrees. Activities must comply with (Exploration Practice: Environmental Management) as per the commitment in the application (APO requirements of this Code include: a. Minimising vegetation clearing and surface dist Prevent causing any land degradation or pollution/contamination of land or water. sediment and erosion controls (including drainage from roads/access tracks) to be man accordance with Blue Book (includes controls to manage instability risks). d. Existing tracks to be used/upgraded wherever possible. All disturbed areas to be rehabilitat accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabil occur as soon as practicable after completion of activity (including sealing of any borel | Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. CEA not permitted on slopes exceeding 18 degrees. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Minimising vegetation clearing and surface disturbance. b. Prevent causing any land degradation or pollution/contamination of land or water. c. All sediment and erosion controls (including drainage from roads/access tracks) to be managed in accordance with Blue Book (includes controls to manage instability risks). d. Existing access tracks to be used/upgraded wherever possible. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any boreholes). | | | |
| Duration Short term | | | | |
| Application ranking | | | | |

| What is the confidence in | High | Are further | No |
|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|--------------------------------------|
| predicting impacts? | | studies | |
| | | required on impacts or | |
| | | mitigation? | |
| How resilient is the environment to | High Resilience | What is the | Low |
| cope with impacts? | | level of | |
| | | public | |
| Can the impacts he verrand? | Yes | concern? Ranking of | Low |
| Can the impacts be reversed? | res | potential | LOW |
| | | significance | |
| Can the impacts be mitigated? | Fully | Justification for | or ranking |
| Do the operations comply with | Yes | | |
| standards, plans, policies? Criteria | Wastes & Emissions: Impacts on subsidence | or elin areae | |
| Potential impacts | • | <u> </u> | as been removed may increase risk of |
| Potential impacts | Soil erosion from disturbed areas / areas where vegetation has been removed may increase risk slips. | | |
| | Drilling operations unlikely to contribute to sli | ps or subsidence |) . |
| | The area of the drill sites and extending beyon clumps of trees (but not at the drill sites). Paticlaypan' ground. | | |
| Proposed management controls | claypan' ground. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Minimising vegetation clearing and surface disturbance. b. Prevent causing any land degradation or pollution/contamination of land or water. c. All sediment and erosion controls (including drainage from roads/access tracks) to be managed in accordance with Blue Book (includes controls to manage instability risks). d. Existing access tracks to be used/upgraded wherever possible. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity. | | |
| Duration | Short term | on do pradudable | and completion of activity. |
| Application ranking | | | |
| What is the confidence in predicting impacts? | High | Are further studies required on impacts or | No |
| How resilient is the environment to | High Resilience | mitigation? What is the | Low |
| cope with impacts? | riigii Nesillelice | level of public | Low |
| | | concern? | |
| Can the impacts be reversed? | Yes | Ranking of potential | Low |
| | | significance | |
| Can the impacts be mitigated? Do the operations comply with | Fully Yes | Justification fo | or ranking |
| standards, plans, policies? | 165 | | |
| Criteria | Wastes & Emissions: Impacts on areas with | acid sulphate, so | dic or highly permeable soils. |
| Potential impacts | Vegetation removal unlikely to exacerbate ad | cid sulfate or sodi | icity issues. |
| · | Drilling activities unlikely to exacerbate acid | sulfate or sodicity | r issues. |
| | Soil erosion and sediment laden runoff from disturbed areas / areas where vegetation has been removed. | | |
| | SOIL Land Soil Capability 6 The soil at the drill site is clayey sand, lacking in humus, and intermittently topped with a thin vener of river mud from the November 2022 flood. | | |
| Proposed management controls | Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Minimising vegetation clearing and surface disturbance. b. Prevent causing any land degradation or pollution/contamination of land or water. c. All sediment and erosion controls (including drainage from roads/access tracks) to be managed in accordance with Blue Book. d. Existing access tracks to be used/upgraded wherever possible. e. Controls on sumps and management of chemicals to significantly reduce risk to soils. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity. Impacts generally limited due to low traffic numbers and short term nature of exploration. | | |

| Duration | Short term | | |
|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|------------------------------------------|
| Application ranking | | | |
| What is the confidence in predicting impacts? | High | Are further studies required on impacts or | No |
| | | mitigation? | |
| How resilient is the environment to cope with impacts? | High Resilience | What is the level of public concern? | Low |
| Can the impacts be reversed? | Yes | Ranking of | Low |
| can the impacts be reversed. | 100 | potential significance | Low |
| Can the impacts be mitigated? | Fully | Justification f | or ranking |
| Do the operations comply with standards, plans, policies? | Yes | | |
| Criteria | Wastes & Emissions: Impacts on areas with | salinity or potent | tial salinity problems. |
| Potential impacts | Activities unlikely to exacerbate salinity prob | | 71 |
| | Vegetation removal may reduce vegetation of | | er table. |
| | Spills of saline produced water. | | |
| | Vegetation removal unlikely to exacerbate a | cid sulfate or sod | licity issues. |
| | Soil erosion and sediment laden runoff from disturbed areas / areas where veget removed. | | |
| | SOIL Land Soil Capability 6 The soil at the drill site is clayey sand, lackin of river mud from the November 2022 flood. | g in humus, and | intermittently topped with a thin veneer |
| Proposed management controls | Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Minimising vegetation clearing and surface disturbance. b. Prevent causing any land degradation or pollution/contamination of land or water. c. All sediment and erosion controls (including drainage from roads/access tracks) to be managed in accordance with Blue Book. d. Controls on sumps and management of chemicals to significantly reduce risk to soils. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity. | | |
| Duration | Short term | • | • |
| Application ranking | | | |
| What is the confidence in predicting impacts? | High | Are further studies required on impacts or mitigation? | No |
| How resilient is the environment to | High Resilience | mitigation? What is the | Low |
| cope with impacts? | | level of public concern? | |
| Can the impacts be reversed? | Yes | Ranking of potential significance | Low |
| Can the impacts be mitigated? | Fully | Justification f | or ranking |
| Do the operations comply with standards, plans, policies? | Yes | | |
| Criteria | Wastes & Emissions: Impacts on areas with | degraded or con | taminated land. |

| Potential impacts | Activity unlikely to result in any change to existing contaminated soils or migration of contaminal | | |
|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------------------------------------------------------------|
| | Soil erosion and sediment laden runoff from disturbed areas / areas where vegetation has been removed. | | |
| | Mobilisation of pollutants (such as hydrocarbons) in soils. | | |
| | Inappropriate disposal of drilling wastes / over | erflow from drillin | g sumps. |
| | Exposure of acid sulfate soils. | | |
| | Soil compaction from construction / operation | ns. | |
| | Vegetation removal unlikely to have any imp | act on contamina | ated soils. |
| | SOIL/TOPO Land Soil Capability 6 The soil at the drill site is clayey sand, lacking in humus, and intermittently topped with a thin veneer of river mud from the November 2022 flood. The area of the drill sites and extending beyond is flat and bare, with occasional single small tree or clumps of trees (but not at the drill sites). Patches of native grasses occur surrounded by bare 'claypan' ground. | | |
| 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 drainag from roads/access tracks) to be managed in accordance with Blue Book. d. Controls on sumps and management of chemicals to significantly reduce risk to soils. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity. Impacts generally limited due to short term nature of exploration. Activity unlikely to exacerbate any existing contamination. | | |
| Duration | Short term | | |
| Application ranking | | | |
| What is the confidence in predicting impacts? | High | Are further studies required on impacts or | No |
| How resilient is the environment to | High Resilience | mitigation? What is the | Low |
| cope with impacts? | Tiigh Nesillence | level of public concern? | Low |
| Can the impacts be reversed? | Yes | Ranking of potential significance | |
| Can the impacts be mitigated? | Fully | Justification f | or ranking |
| Do the operations comply with standards, plans, policies? | Yes | | |
| Criteria | Wastes & Emissions: Impacts on areas with | degraded or con | taminated water (ground or surface). |
| Potential impacts | Activities unlikely to have any additional impacts on areas with existing degraded or contaminated water (ground or surface). Boreholes to be cased when aquifers intercepted. | | |
| | Surface runoff can be sediment laden from areas where vegetation has been removed. | | |
| | Interception, cross contamination and/or depoperations. Groundwater depressurisation e | | |
| | Mobilisation of pollutants (such as hydrocarbons) in surface water or aquifers. | | |
| | Inappropriate disposal of drilling wastes / overflow from drilling sumps. | | |
| | Excavations excluded from acid sulfate soils. SURFACE Water Land subject to inundation and flooding (refer to 2022 flooding) observed in exploration area. | | |
| | The CH3 site is 1.5 km north of the Bogan River, and has no connection with the Bogan. The land slopes gently downward away from the river (i.e. northward) GROUND Water While nil groundwater is expected, the title holder will contain all drill cuttings, fluids and ground | | |
| | water returned to the surface as part of the c ground sumps pending recirculation of dispo barrier where there is a potential risk of contr | Irilling process in sal. In-ground รเ | above-ground sump tanks or in- umps must be lined with impermeable |

| Proposed management controls Duration | Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Activities must implement all measures to prevent causing any adverse impacts on water quality or quantity. b. Activities must minimise cross connection of aquifers or groundwater sources. c. Activities must minimise any depressurisation of aquifers or groundwater sources. d. Coal and petroleum title holders must prepare and implement and Groundwater Monitoring & Modelling Plan in consultation with NSW Office of Water. e. All sediment and erosion controls to be in accordance with Blue Book to minimise off-site impacts. Boreholes to be constructed, operated and decommissioned in accordance with authority/title conditions, Departmental Guidelines and Codes of Practice to protect groundwater/aquifers. All management and storage of produced water must comply with the title conditions. In addition, the Exploration Code of Practice: Produced Water Management, Storage and Transfer applies to i. petroleum exploration which requires the management of produced water, or ii. activities which require produced water to be stored on site (excluding the management of incidental groundwater mixed with drilling fluids that can be temporarily contained in drilling sumps or above ground tanks). All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any boreholes). Activities unlikely to exacerbate any existing surface or groundwater contamination. | | |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------|
| Application ranking What is the confidence in | High | Are further | No |
| predicting impacts? | 1 1911 | studies | 110 |
| | | required on | |
| | | impacts or mitigation? | |
| How resilient is the environment to | High Resilience | What is the | Medium |
| cope with impacts? | | level of | |
| | | public concern? | |
| Can the impacts be reversed? | Yes | Ranking of | Low |
| | | potential | |
| Can the impacts be mitigated? | Fully | significance Justification f | or ranking |
| Do the operations comply with | Yes | | |
| standards, plans, policies? Criteria | Vegetation: Any clearing or modification of v | egetation (includ | ing impacts on wildlife corridors |
| Ontena | remnant vegetation & habitat for species of o | conservation sign | nificance). |
| Potential impacts | Vegetation removal can decrease available displace species from regular place of reside | ence. | ng/ breeding habitat for species and |
| | Impacts on vegetation species and ecological | al communities. | |
| | Vegetation removal and activities can tempo | | Ç |
| | Areas used for exploration activities, access | tracks, etc not a | vailable for fauna habitat. |
| | Mobilisation of pollutants (such as hydrocarb | oons) in soils, air | or waters can potentially impact fauna. |
| | Drilling sumps can be a hazard for fauna. | | |
| | Use of pesticides, herbicides, fertilisers or other chemicals have the potential to build up residues in the environment, including in soils and water. | | |
| | Short term noise and air quality impacts. | | |
| | Soil erosion and sediment laden runoff from disturbed areas, that could lead to soil or water contamination or land degradation. | | |
| | Exposure of acid sulfate soils. | | |
| | Spread of weeds, pest animals and animal/p | olant diseases. | |
| | LANDUSE The existing and continuing land use is low-compacted by the drilling operations. SURFACE DISTURBANCE 900sqm | carrying-capacity | sheep grazing, which will not be |

| Proposed management controls | Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Minimise extent of vegetation clearing and surface disturbance to as low as practicable. b. Prevent adverse impacts to fauna caused by vegetation clearing, including relocation of resident fauna. c. Access track widths unlikely to pose significant barrier to fauna. All disturbed areas to be | | |
|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| | rehabilitated in accordance with title condition Rehabilitation to occur as soon as practicable | ns (Exploration C | Code of Practice: Rehabilitation). |
| Duration | Short term | e arter completio | in or donvity. |
| Application ranking | onor to m | | |
| What is the confidence in predicting impacts? | High | Are further studies required on impacts or | No |
| | | mitigation? | |
| How resilient is the environment to cope with impacts? | High Resilience | What is the level of public concern? | Low |
| Can the impacts be reversed? | Yes | Ranking of potential significance | Low |
| Can the impacts be mitigated? | Fully | Justification for | or ranking |
| Do the operations comply with | Yes | | |
| standards, plans, policies? | | | |
| Criteria | Threatened Fauna Species: Any adverse eff a viable local population of the species is like | | |
| Potential impacts | No impacts. | | |
| | CEA impact thresholds apply. An activity cannot be a CEA if it: 1. occurs on land declared as areas of outstanding biodiversity value / critical habitat, 2. has a significant effect on threatened species or ecological communites, or their habitats. NOTE: | | |
| | location, and, with a small ephemeral creek Currently, there is no creek or other drainage "Olive-Perchlet distribution in NSW.jpg" sugg River, which is 1.5 km south of the CH3 drill such as Olive Perchlets might possibly be for site, and this will not be disturbed. | e in the vicinity of gests that the oliv site. Otherwise, | f the drill site. The attached map ve perchlet may be found in the Bogan the only permanent water where fish |
| Proposed management controls | N/A | | |
| Duration | N/A | | |
| Application ranking | | | |
| What is the confidence in predicting impacts? | N/A | Are further studies required on impacts or mitigation? | N/A |
| How resilient is the environment to cope with impacts? | N/A | What is the level of public concern? | Medium |
| Can the impacts be reversed? | N/A | Ranking of potential significance | |
| Can the impacts be mitigated? | N/A | Justification for | or ranking |
| Do the operations comply with standards, plans, policies? | N/A | | |
| Criteria Potential impacts | Threatened Flora Species: Any adverse effe a viable local population of the species is like No impacts. | | |
| i otomuu iinpaoto | CEA impact thresholds apply. An activity ca 1. occurs on land declares as areas of outsta 2. has a significant effect on any threatened | anding biodiversi species or ecolo | ty value or critical habitat, ogical communities, or their habitats. |
| | NOTE: PCT: Chenopod low open shrubland occasionally flooded pale clay scalds in the l | | |
| Proposed management controls | N/A | | |

| | T | | |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|
| Duration | N/A | | |
| Application ranking | | | |
| What is the confidence in | N/A | Are further | N/A |
| predicting impacts? | | studies | |
| prodicting impactor | | required on | |
| | | impacts or | |
| | | mitigation? | |
| Harris Ward to the condensation of the | A1/A | | 1 |
| How resilient is the environment to | N/A | What is the | Low |
| cope with impacts? | | level of | |
| | | public | |
| | | concern? | |
| Can the impacts be reversed? | N/A | Ranking of | |
| | | potential | |
| | | significance | |
| Can the impacts be mitigated? | N/A | Justification f | or ranking |
| Do the operations comply with | N/A | | <u> </u> |
| standards, plans, policies? | | | |
| Criteria Criteria | Areas of outstanding biodiversity value/Critic | ı cal habitat: This ir | ocludes: a declared areas of |
| - Thoria | outstanding biodiversity value under the Biodiversity | | |
| | critical habitat under the Fisheries Managem | | alion Act 2010 b. alcas acciared |
| Detential impacts | Chilical habitat under the hisheries Managen | IEIIL ACL 1994. | |
| Potential impacts | Detential increase limited due to CEA increase | 41 | N. a. a. |
| | Potential impacts limited due to CEA impact threshold restrictions. | | |
| | | | |
| | CEAs are not permitted to occur on land declared as areas of outstanding biodiversity value or | | |
| | critical habitat. | | |
| | | | |
| | CEAs are not permitted to have a significant impact on threatened fauna or flora species or | | |
| | ecological communities (or their habitats). | | |
| | (Also refer to flora and fauna impact tables). | | |
| Proposed management controls | N/A | | |
| Duration | N/A | | |
| Application ranking | | | |
| What is the confidence in | N/A | Are further | N/A |
| predicting impacts? | | studies | |
| p | | required on | |
| | | impacts or | |
| | | mitigation? | |
| How resilient is the environment to | N/A | What is the | N/A |
| | IN/A | | IN/A |
| cope with impacts? | | level of | |
| | | public | |
| | | concern? | |
| Can the impacts be reversed? | N/A | Ranking of | |
| | | potential | |
| | | significance | |
| Can the impacts be mitigated? | N/A | Justification f | or ranking |
| Do the operations comply with standards, plans, policies? | N/A | | |
| Criteria | Endangered ecological community or critical | lly endangered or | cological community: Whether the |
| Onteria | | | |
| | activity: is likely to have an adverse effect on the extent of the ecological | | |
| | community such that its local occurrence is likely to be placed at risk of extinction, or is likely | | |
| | to substantially and adversely modify the composition of the ecological community such that its local | | |
| occurrence is likely to be placed at risk of extinction. | | | |

| Potential impacts | Vegetation removal and activities can tempo | rarily impact eco | logical communities. | |
|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|--|
| | Areas cleared for exploration activities, acce | ss tracks, etc not | available for flora / fauna habitat. | |
| | Use of pesticides, herbicides, fertilisers or other chemicals have the potential to build up residues in the environment, including in soils and water. | | | |
| | Soil erosion and sediment laden runoff from disturbed areas, that could lead to soil or water contamination or land degradation. | | | |
| | Spread of weeds, pest animals and animal/plant diseases. | | | |
| | Removal of vegetation, barriers created by access tracks, etc can interrupt movement of fauna species. | | | |
| | SEED search showed: Threatened Olive Perchet According to SEED portal, threatened Olive Perchet has been mapped close to the drill location, and, with a small ephemeral creek or drainage passing near the drill site mapp Currently, there is no creek or other drainage in the vicinity of the drill site. The attache "Olive-Perchlet distribution in NSW.jpg" suggests that the olive perchlet may be found i River, which is 1.5 km south of the CH3 drill site. Otherwise, the only permanent water such as Olive Perchlets might possibly be found is a man-made dam 630m to the SW of site, and this will not be disturbed. | | | |
| Proposed management controls | Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Minimise extent of vegetation clearing and surface disturbance to as low as practicable. b. Prevent adverse impacts to fauna caused by vegetation clearing, including relocation of resident fauna. c. Access track widths unlikely to pose significant barrier to fauna. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to | | | |
| Duration | occur as soon as practicable after completio Short term | n or activity. | | |
| Application ranking | Short term | | | |
| What is the confidence in | High | Are further | No | |
| predicting impacts? How resilient is the environment to | High Resilience | studies required on impacts or mitigation? What is the | Low | |
| cope with impacts? | riigiri kesiileriee | level of public concern? | Low | |
| Can the impacts be reversed? | Yes | Ranking of potential significance | Low | |
| Can the impacts be mitigated? | Fully | Justification for | or ranking | |
| Do the operations comply with standards, plans, policies? | Yes | | - | |
| Criteria | Habitat of a threatened species or ecologica | community | | |
| Potential impacts | Potential impacts limited due to CEA impact | | ions | |
| | CEAs are not permitted to occur in areas of | | | |
| | CEAs are not permitted to have a significant ecological communities (or their habitats). (Also refer to flora and fauna impact tables). | impact on threat | ened fauna or flora species or | |
| | SEED search showed: Threatened Olive Pe | rchet | | |
| | According to SEED portal, threatened Olive location, and, with a small ephemeral creek Currently, there is no creek or other drainage "Olive-Perchlet distribution in NSW.jpg" sugg River, which is 1.5 km south of the CH3 drill such as Olive Perchlets might possibly be fo site, and this will not be disturbed. | or drainage pass e in the vicinity of gests that the oliv site. Otherwise, | ing near the drill site mapped. the drill site. The attached map te perchlet may be found in the Bogan the only permanent water where fish | |
| Proposed management controls | location, and, with a small ephemeral creek of Currently, there is no creek or other drainage "Olive-Perchlet distribution in NSW.jpg" sugg River, which is 1.5 km south of the CH3 drill such as Olive Perchlets might possibly be fo | or drainage pass e in the vicinity of gests that the oliv site. Otherwise, | ing near the drill site mapped. the drill site. The attached map te perchlet may be found in the Bogan the only permanent water where fish | |
| Proposed management controls Duration | location, and, with a small ephemeral creek of Currently, there is no creek or other drainage "Olive-Perchlet distribution in NSW.jpg" sugg River, which is 1.5 km south of the CH3 drill such as Olive Perchlets might possibly be fo site, and this will not be disturbed. | or drainage pass e in the vicinity of gests that the oliv site. Otherwise, | ing near the drill site mapped. the drill site. The attached map te perchlet may be found in the Bogan the only permanent water where fish | |

| What is the confidence in | N/A | Are further | N/A |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| predicting impacts? | | studies | |
| | | required on | |
| | | impacts or | |
| Have reallient in the anythermore to | NI/A | mitigation? | Law |
| How resilient is the environment to | N/A | What is the | Low |
| cope with impacts? | | level of | |
| | | public concern? | |
| Can the impacts be reversed? | N/A | Ranking of | |
| can the impacts be reversed? | IN/A | potential | |
| | | significance | |
| Can the impacts be mitigated? | N/A | Justification f | or ranking |
| Do the operations comply with | N/A | oustinoution i | or runking |
| standards, plans, policies? | 1471 | | |
| Criteria | Habitat of protected aquatic species or those | with conservation | on status. |
| Potential impacts | Negligible and only localised changes to drainage flows/flooding regime. | | |
| r otential impacts | Negligible and only localised changes to dia | mage nows/nood | iling regime. |
| | Water used for exploration not available for e | ecological purpos | ses. |
| | Surface runoff can be sediment laden from a | areas where vege | etation has been removed. |
| | | | |
| | Generally minimal surface water use (must be agreements). | oe licensed or us | e of farm dams through landholder |
| | No use of groundwater but potential loss through operations. | ough produced w | vater in drilling / deep excavation |
| | Interception, cross contamination and/or depoperations. Groundwater depressurisation e | | , , |
| | Mobilisation of pollutants (such as hydrocarb | oons) in surface v | vater or aquifers. |
| | Ford across creeks can cause stream bank | erosion from veh | icle wash. |
| | Inappropriate disposal of drilling wastes / over | erflow from drillin | g sumps. |
| | SEED search showed: Threatened Olive Perchet According to SEED portal, threatened Olive Perchet has been mapped close to the drill hole location, and, with a small ephemeral creek or drainage passing near the drill site mapped. Currently, there is no creek or other drainage in the vicinity of the drill site. The attached ma "Olive-Perchlet distribution in NSW.jpg" suggests that the olive perchlet may be found in the River, which is 1.5 km south of the CH3 drill site. Otherwise, the only permanent water whe such as Olive Perchlets might possibly be found is a man-made dam 630m to the SW of the site, and this will not be disturbed. | | |
| | , | | |
| Proposed management controls | Activities must comply with CEA Location Remust comply with (Exploration Code of Pract commitment in the application (APO). Relev must implement all measures to prevent caub. All sediment and erosion controls (includir accordance with Blue Book. c. No significat populations, threatened ecological community waterfront land. All disturbed areas to be (Exploration Code of Practice: Rehabilitation) | tice: Environmenty ant requirements ising any adverse on drainage from int impact on any ties, or their habit rehabilitated in a | tal Management) as per the sof this Code include: a. Activities e impacts on water quality or quantity. roads/access tracks) to be managed in threatened species, threatened tats. d. No removal of vegetation in accordance with title conditions |
| | completion of activity. | | |
| Duration | completion of activity. Short term | | |
| Application ranking | Short term | | |
| Application ranking What is the confidence in | · | Are further | No |
| Application ranking | Short term | studies | No |
| Application ranking What is the confidence in | Short term | studies required on | No |
| Application ranking What is the confidence in | Short term | studies required on impacts or | No |
| Application ranking What is the confidence in predicting impacts? | Short term High | studies required on impacts or mitigation? | |
| Application ranking What is the confidence in predicting impacts? How resilient is the environment to | Short term | studies required on impacts or mitigation? What is the | No |
| Application ranking What is the confidence in predicting impacts? | Short term High | studies required on impacts or mitigation? What is the level of | |
| Application ranking What is the confidence in predicting impacts? How resilient is the environment to | Short term High | studies required on impacts or mitigation? What is the level of public | |
| Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? | High Resilience | studies required on impacts or mitigation? What is the level of public concern? | Low |
| Application ranking What is the confidence in predicting impacts? How resilient is the environment to | Short term High | studies required on impacts or mitigation? What is the level of public concern? Ranking of | |
| Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? | High Resilience | studies required on impacts or mitigation? What is the level of public concern? Ranking of potential | Low |
| Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? | Short term High High Resilience | studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance | Low |
| Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? | High Resilience | studies required on impacts or mitigation? What is the level of public concern? Ranking of potential | Low |

| Criteria | Key Threatening Processes: As outlined in Schedule 4 of Biodiversity Conservation Act 2016. Includes: a. alteration, removal, clearly or degradation of habitat and native vegetation b. loss of hollow bearing trees c. removal of dead wood and dead trees d. invasion and establishment of exotic species. | | |
|--------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Potential impacts | Vegetation removal can harm threatened species or reduce local abundance of species. Areas cleared for exploration activities, access tracks, etc not available for flora habitat. Mobilisation of pollutants (such as hydrocarbons) in soils, air or waters can potentially impact fauna. Use of pesticides, herbicides, fertilisers or other chemicals have the potential to build up residues in the environment, including in soils and water. Soil erosion and sediment laden runoff from disturbed areas, that could lead to soil or water contamination or land degradation. Spread of weeds, pest animals and animal/plant diseases. | | |
| Proposed management controls | Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Minimise extent of vegetation clearing and surface disturbance to as low as practicable. b. Prevent adverse impacts to fauna caused by vegetation clearing, including relocation of resident fauna. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity. | | |
| Duration | Short term | | |
| Application ranking What is the confidence in predicting impacts? | High | Are further studies required on impacts or | No |
| | | mitigation? | |
| How resilient is the environment to cope with impacts? | High Resilience | What is the level of public concern? | Low |
| Can the impacts be reversed? | Yes | Ranking of potential significance | Low |
| Can the impacts be mitigated? | Fully | Justification f | or ranking |
| Do the operations comply with | Yes | | |
| standards, plans, policies? Criteria | Barriers to movement of fauna: Any potential | l to endanger dis | enlace or disturb fauna (including fauna |
| Officeria | of conservation significance) or create a barr | | |
| Proposed management controls | Vegetation removal can decrease available f displace species from regular place of reside Access tracks can act as a barrier to movem tracks may be killed or injured if hit by vehicle Vegetation removal can remove connective of Areas used for exploration activities, access Mobilisation of pollutants (such as hydrocarb Drilling sumps can be a hazard for fauna. Use of pesticides, herbicides, fertilisers or of the environment, including in soils and water Short term noise and air quality impacts. Soil erosion and sediment laden runoff from contamination or land degradation. Spread of weeds, pest animals and animal/p ACCESS An existing well-used station property track pronstruction is required. SURFACE DISTURBANCE 900sqm | ent of small faunces. corridors used fo tracks, etc not a cons) in soils, air ther chemicals had a disturbed areas, lant diseases. | r wildlife movement. vailable for fauna habitat. or waters can potentially impact fauna. ave the potential to build up residues in that could lead to soil or water the SW of the site, hence no track |
| Proposed management controls Duration | Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Minimise extent of vegetation clearing and surface disturbance to as low as practicable. b. Prevent adverse impacts to fauna caused by vegetation clearing, including relocation of resident fauna. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity. | | |
| | Short term | | |

| A wall and a war later o | T | | | |
|-----------------------------------------------|----------------------------------------------------------------------------------------------|-----------------------------|-------------------------------------------|--|
| Application ranking What is the confidence in | High | A wa fuutha w | No | |
| | High | Are further | NO NO | |
| predicting impacts? | | studies required on | | |
| | | impacts or | | |
| | | mitigation? | | |
| How resilient is the environment to | High Resilience | What is the | Low | |
| cope with impacts? | High Resilience | level of | LOW | |
| cope with impacts? | | public | | |
| | | concern? | | |
| Can the impacts be reversed? | Yes | Ranking of | Low | |
| can the impacts be reversed? | 165 | potential | LOW | |
| | | significance | | |
| Can the impacts be mitigated? | Fully | Justification f | or ranking | |
| Do the operations comply with | Yes | - Custinication for fanking | | |
| standards, plans, policies? | 165 | | | |
| Criteria | Ecological & Biosecurity Impacts: Any threat | to the biological | diversity or ecological integrity of an | |
| | ecological community. | | , , , | |
| Potential impacts | Vegetation removal can decrease available | | | |
| | displace species from regular place of reside | | used for exploration activities, access | |
| | tracks, etc not available for flora / fauna hab | | tion of pollutants (such as | |
| | hydrocarbons) in soils, air or waters can pote | | | |
| | | | s or other chemicals have the potential | |
| | to build up residues in the environment, inclu | | | |
| | laden runoff from disturbed areas, that could | | | |
| | | | mals and animal/plant diseases. | |
| | Fauna crossing access tracks may be killed | | y vehicles. Surface disturbance | |
| Due noted management controls | may result in removal of/damage to seed sto | | at Three-balds and Cuitania Astivities | |
| Proposed management controls | Activities must comply with CEA Location Re | | | |
| | must comply with (Exploration Code of Practice Complyment in the application (APC). Polyment | | | |
| | commitment in the application (APO). Relev | | | |
| | extent of vegetation clearing and surface dis impacts to fauna caused by vegetation clear | | | |
| | Setbacks from steep slopes/cliffs to limit imp | | | |
| | / disruption to fauna are temporary. Vehicle | | | |
| | injury/mortality impacts. All disturbed are | ac to be rehabili | tated in accordance with title conditions | |
| | (Exploration Code of Practice: Rehabilitation | | | |
| | completion of activity. | i). I Chabilitation | to occur as soon as practicable after | |
| Duration | Short term | | | |
| Application ranking | Chort term | | | |
| What is the confidence in | High | Are further | No | |
| predicting impacts? | riigii | studies | 110 | |
| predicting impacts: | | required on | | |
| | | impacts or | | |
| | | mitigation? | | |
| How resilient is the environment to | High Resilience | What is the | Low | |
| cope with impacts? | 1 light results from | level of | | |
| Topo min impuoto: | | public | | |
| | | concern? | | |
| Can the impacts be reversed? | Yes | Ranking of | Low | |
| can the impacto so reversed i | | potential | 2511 | |
| | | significance | | |
| Can the impacts be mitigated? | Partly | Justification f | or ranking | |
| Do the operations comply with | Yes | | - ······ 3 | |
| standards, plans, policies? | | | | |
| Criteria | Ecological & Biosecurity Impacts: Creates a | | | |
| | organisms into an area. Includes impacts fro | | | |
| | animal pests, c. plant pests and diseases, | d. animal disea | ases, e. noxious weeds, or f. | |
| | genetically modified organisms. | | | |
| Potential impacts | Mobilisation of pollutants (such as hydrocart | | | |
| | | | emicals have the potential to build up | |
| | residues in the environment, including in soil | | Spread of weeds, pest animals and | |
| | | nce may result in | removal of/damage to seed stock. | |
| | Weed growth in disturbed areas. | | | |

| Proposed management controls | Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| | must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Minimise extent of vegetation clearing and surface disturbance to as low as practicable. b. Prevent adver impacts to fauna caused by vegetation clearing, including relocation of resident fauna. c. Requirement to prevent introduction and spread of weeds, pest animals & animal and plant diseases (required to implement "come clean, go clean" protocols). All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (includes weed growth management). Legislative requirement for landholder access arrangements which may included different managements. | | | | |
| | | | | | |
| | | | | | |
| Duration | additional mitigation measures to manage la Short term | and. | | | |
| Application ranking | Onort term | | | | |
| What is the confidence in predicting impacts? | High | Are further studies | No | | |
| | | required on impacts or | | | |
| How resilient is the environment to | High Resilience | mitigation? What is the | Low | | |
| cope with impacts? | Tilgit Nesillerice | level of public | Low | | |
| | | concern? | | | |
| Can the impacts be reversed? | Yes | Ranking of potential | Low | | |
| | - " | significance | <u> </u> | | |
| Can the impacts be mitigated? | Fully Yes | Justification f | or ranking | | |
| Do the operations comply with standards, plans, policies? Criteria | Yes Ecological & Biosecurity Impacts: Likely to c | acusa a significan | t hughfing right | | |
| | , , , | | t bustilite risk. | | |
| Proposed management controls | Plant and machinery comprises a potential in Activities must comply with CEA Location Re | | t Thresholds and Criteria. Activities | | |
| | must comply with (Exploration Code of Practicommitment in the application (APO). Releving a suitable of controls on activities during Extreme or Cata Activities must comply with WHS legislative can be used as firebreaks in event of fire. | tice: Environmen vant requirements controls to mana astrophic Fire Coi | tal Management) as per the s of this Code include undertaking a ge risks (e.g. implementation of | | |
| Duration | Short term | | | | |
| Application ranking | | | | | |
| What is the confidence in predicting impacts? | High | Are further studies required on | No | | |
| | | impacts or mitigation? | | | |
| | | What is the | Medium | | |
| How resilient is the environment to cope with impacts? | High Resilience | level of public | | | |
| | Yes | public concern? Ranking of potential | Low | | |
| cope with impacts? Can the impacts be reversed? | Yes | public concern? Ranking of potential significance | | | |
| Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with | | public concern? Ranking of potential | | | |
| Can the impacts be reversed? Can the impacts be mitigated? | Yes Fully Yes Community Resources: Any degradation of i | public concern? Ranking of potential significance Justification f | or ranking | | |
| Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? | Yes Fully Yes | public concern? Ranking of potential significance Justification f | or ranking significant increase in the demand for | | |
| Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria | Fully Yes Community Resources: Any degradation of iservices and infrastructure resources. Limited potential for any significant increase Negligible potential for degradation of infrast ACCESS An existing well-used station property track property track property. | public concern? Ranking of potential significance Justification f infrastructure or s in demand for restructure, such as | or ranking significant increase in the demand for sources. roads and bridges. | | |
| Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria | Fully Yes Community Resources: Any degradation of iservices and infrastructure resources. Limited potential for any significant increase Negligible potential for degradation of infrast ACCESS | public concern? Ranking of potential significance Justification f infrastructure or s in demand for restructure, such as | or ranking significant increase in the demand for sources. roads and bridges. | | |
| Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria | Fully Yes Community Resources: Any degradation of iservices and infrastructure resources. Limited potential for any significant increase Negligible potential for degradation of infrast ACCESS An existing well-used station property track pronstruction is required. SURFACE DISTURBANCE 900sqm Negligible impacts likely. Activities must of the transport of the environment, culture and accordance with title conditions (Exploration occur as soon as practicable after completions) | public concern? Ranking of potential significance Justification f infrastructure or s in demand for restructure, such as passes 200m to | significant increase in the demand for sources. roads and bridges. the SW of the site, hence no track Location Restrictions, Impact loration Code of Practice: pplication (APO) including protection of disturbed areas to be rehabilitated in exceptabilitation). Rehabilitation to udes weed growth management). | | |
| Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts | Fully Yes Community Resources: Any degradation of iservices and infrastructure resources. Limited potential for any significant increase Negligible potential for degradation of infrast ACCESS An existing well-used station property track pronstruction is required. SURFACE DISTURBANCE 900sqm Negligible impacts likely. Activities must Thresholds and Criteria. Activities must Environmental Management) as per the comall elements of the environment, culture and accordance with title conditions (Exploration) | public concern? Ranking of potential significance Justification f infrastructure or s in demand for restructure, such as passes 200m to | significant increase in the demand for sources. roads and bridges. the SW of the site, hence no track Location Restrictions, Impact loration Code of Practice: pplication (APO) including protection of disturbed areas to be rehabilitated in the Erick Rehabilitation). Rehabilitation to under weed growth management). | | |

| What is the confidence in | High | Are further | No |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------|
| predicting impacts? | | studies | |
| | | required on | |
| | | impacts or | |
| | | mitigation? | |
| How resilient is the environment to | High Resilience | What is the | Low |
| cope with impacts? | | level of | |
| | | public | |
| | | concern? | |
| Can the impacts be reversed? | Yes | Ranking of | Low |
| | | potential | |
| | | significance | <u> </u> |
| Can the impacts be mitigated? | Fully | Justification f | or ranking |
| Do the operations comply with | Yes | | |
| standards, plans, policies? Criteria | Community Passurage: Any diversion of rec | | riment of other communities or natural |
| | Community Resources: Any diversion of resources to the detriment of other communities or natural systems. | | |
| Potential impacts | Limited potential for any significant diversion | of resources to | the detriment of other communities or |
| | natural systems. | | |
| | | | |
| | Negligible impacts and only localised change | es. | |
| | Areas used for exploration activities temper | arily ramayad fra | m natural avatama and / aammunitu |
| | Areas used for exploration activities, tempor | anily removed no | m natural systems and / community |
| | use. ACCESS | | |
| | An existing well-used station property track p | passes 200m to t | he SW of the site, hence no track |
| | construction is required. | 0a3363 200111 to t | The SW of the site, hence no track |
| | SURFACE DISTURBANCE | | |
| | 900sqm | | |
| | PROPOSED PROJECT | | |
| | 1 RC hole. Proposed disturbance: 900sqm. | | |
| | No earthworks nor clearing required for RC of | drilling at this site | . Commitment to return to pre-existing |
| | landuse. The licencee will contain all drill cut | | |
| | as part of the drilling process in above-groun | | |
| | of disposal. In-ground sumps will be lined wi | | |
| | contamination from drill cuttings or fluids. | | anno moro anoro to a potential more of |
| | Land subject to inundation and flooding (refe | er to 2022 floods) | observed in exploration area. |
| | REHAB: Sealing of DH at 40 cm below surfa | | |
| | assays, return to site, to carry out any follow | | |
| | contractor, for suitable dumping or for flood i | mitigation. Final o | clean-up by hand shoveling. |
| | | _ | |
| | | | |
| Proposed management controls | | | Location Restrictions, Impact |
| | | | loration Code of Practice: |
| | Environmental Management) as per the com | | |
| | requirements of this Code include protection | | |
| | | | ance with title conditions (Exploration |
| | Code of Practice: Rehabilitation). Rehabilitat | | |
| | activity. (includes weed growth management arrangements and compensation. | i). Legisiative | requirement for landholder access |
| Duration | Short term | | |
| Application ranking | Short term | | |
| What is the confidence in | N/A | Are further | N/A |
| predicting impacts? | 19/7 | studies | 19/7 |
| predicting impacts: | | required on | |
| | | impacts or | |
| | | mitigation? | |
| How resilient is the environment to | N/A | What is the | Low |
| cope with impacts? | | level of | |
| - 575 | | public | |
| | | concern? | |
| Can the impacts be reversed? | N/A | Ranking of | |
| • | | potential | |
| | | significance | |
| Can the impacts be mitigated? | N/A | Justification f | or ranking |
| Do the operations comply with | N/A | | <u> </u> |
| standards, plans, policies? | | | |
| Criteria | Natural Resources: Any disruption, depletion | or destruction o | f natural resources. |
| | | | |

| Potential impacts | Limited potential for any significant diversion natural systems. | of resources to | the detriment of other communities or | | |
|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--|--|
| | Negligible impacts and only localised change | es. | | | |
| | Areas used for exploration activities, temporarily removed as a natural resource. | | | | |
| | Vegetation removal may remove potential timber resources. | | | | |
| | No significant impacts on other natural resources other than positive in terms of increased knowledge of geological resources. PROPOSED PROJECT 1 RC hole. Proposed disturbance: 900sqm. No earthworks nor clearing required for RC drilling at this site. Commitment to return to pre-existin landuse. The licencee will contain all drill cuttings, fluids and ground water returned to the surface as part of the drilling process in above-ground sump tanks or in-ground sumps pending recirculation of disposal. In-ground sumps will be lined with impermeable barrier where there is a potential risk of contamination from drill cuttings or fluids. Land subject to inundation and flooding (refer to 2022 floods) observed in exploration area. REHAB: Sealing of DH at 40 cm below surface with commercial cap. Following receipt of any assays, return to site, to carry out any follow-up sampling, and removal of bags of cuttings by a contractor, for suitable dumping or for flood mitigation. Final clean-up by hand shoveling. | | | | |
| | | | | | |
| Proposed management controls | | | | | |
| 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 | N/A | | | | |
| Application ranking | | | | | |
| What is the confidence in predicting impacts? | N/A | Are further studies required on impacts or mitigation? | No | | |
| How resilient is the environment to cope with impacts? | N/A | What is the level of public concern? | Low | | |
| Can the impacts be reversed? | N/A | Ranking of potential significance | Low | | |
| Can the impacts be mitigated? | N/A | Justification f | or ranking | | |
| Do the operations comply with | Yes | | · · · · · · · · · · · · · · · · · · · | | |
| standards, plans, policies? | | | | | |
| Criteria | Natural Resources: Any disruption of existing forestry, farming or extractive industries (or r | | | | |
| Potential impacts | Limited potential for any significant disruption given temporary nature of exploration. | n of existing activ | vities (or reduction of future activities) | | |
| | Negligible impacts and only localised & temp | oorary changes. | | | |
| | Areas used for exploration activities, tempora impacts on future availability of forestry, agri- | | | | |
| | Vegetation removal may remove potential tir PROPOSED PROJECT | mber resources. | | | |
| | 1 RC hole. Proposed disturbance: 900sqm. No earthworks nor clearing required for RC clanduse. The licencee will contain all drill cut as part of the drilling process in above-groun of disposal. In-ground sumps will be lined with contamination from drill cuttings or fluids. | tings, fluids and nd sump tanks or th impermeable l | ground water returned to the surface in-ground sumps pending recirculation barrier where there is a potential risk of | | |
| | Land subject to inundation and flooding (refe REHAB: Sealing of DH at 40 cm below surfa assays, return to site, to carry out any follow contractor, for suitable dumping or for flood r | ace with commer /-up sampling, ar | rcial cap. Following receipt of any and removal of bags of cuttings by a | | |

| | The Police of Police Access | | | | |
|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------------------|--|--|
| Proposed management controls | | | A Location Restrictions, Impact | | |
| | | | loration Code of Practice: | | |
| | Environmental Management) as per the co | | | | |
| | requirements of this Code include protection | | | | |
| | air), culture and heritage. All disturbed areas to be rehabilitated in accordance with conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as so | | | | |
| | | | | | |
| | practicable after completion of activity. | | ement for landholder access | | |
| | arrangements and compensation limit any | potential impacts. | | | |
| Duration | Short term | | | | |
| Application ranking | | | | | |
| What is the confidence in | N/A | Are further | No | | |
| predicting impacts? | | studies | | | |
| | | required on | | | |
| | | impacts or | | | |
| | | mitigation? | | | |
| How resilient is the environment to | N/A | What is the | Low | | |
| cope with impacts? | | level of | | | |
| · | | public | | | |
| | | concern? | | | |
| Can the impacts be reversed? | N/A | Ranking of | Low | | |
| • | | potential | | | |
| | | significance | | | |
| Can the impacts be mitigated? | N/A | Justification f | or ranking | | |
| Do the operations comply with | Yes | | <u> </u> | | |
| standards, plans, policies? | | | | | |
| Criteria | Natural Resources: Any use which results | in the degradation | of any area reserved for conservation | | |
| | purposes. | | , | | |
| Potential impacts | CEA activity not permitted in areas reserve | ed for conservation | purposes. | | |
| Proposed management controls | N/A | | | | |
| Duration | N/A | | | | |
| Application ranking | 1471 | | | | |
| What is the confidence in | N/A | Are further | N/A | | |
| predicting impacts? | | studies | 14/7 | | |
| predicting impubits. | | required on | | | |
| | | impacts or | | | |
| | | mitigation? | | | |
| How resilient is the environment to | N/A | What is the | N/A | | |
| cope with impacts? | IN/A | level of | IN/A | | |
| cope with impuote. | | public | | | |
| | | concern? | | | |
| Can the impacts be reversed? | N/A | Ranking of | | | |
| can the impacts be reversed: | IN/A | potential | | | |
| | | significance | | | |
| Can the impacts be mitigated? | N/A | Justification f | or ranking | | |
| | N/A | Justilication | or ranking | | |
| Do the operations comply with standards, plans, policies? | IN/A | | | | |
| | Sensitive Land Impacts: Impacts on Nation | al parks and other | careas reserved or dedicated or | | |
| Criteria | acquired under the National Parks and Wil | | areas reserved or dedicated or | | |
| Potential impacts | Activity not permitted in these areas. | Iulile Act 1974. | | | |
| | , , | | | | |
| Proposed management controls | N/A | | | | |
| Duration | N/A | | | | |
| Application ranking | 21/2 | | Lava | | |
| What is the confidence in | N/A | Are further | N/A | | |
| predicting impacts? | | studies | | | |
| | | required on | | | |
| | | impacts or | | | |
| | | mitigation? | | | |
| How resilient is the environment to | N/A | What is the | N/A | | |
| cope with impacts? | | level of | | | |
| | | public | | | |
| | | concern? | | | |
| Can the impacts be reversed? | N/A | Ranking of | | | |
| | I . | potential | | | |
| , | | p | | | |
| | | significance | | | |
| Can the impacts be mitigated? | N/A | | or ranking | | |
| | N/A N/A | significance | or ranking | | |

| | Sensitive Land Impacts: Land subject to a 'c Wildlife Act 1974 and/or the Biodiversity Cor agreement (established under the now repe: Biodiversity Stewardship agreement establis Wildlife Refuge agreement established unde conservation agreements that continue to ha Trust agreements under the now-repea vegetation plans made under the now-repea | nservation Act 20 aled Threatened shed under the Bi er the Biodiversity ave effect even w bealed Nature Co aled Native Veget | 16. This includes: a. Biobanking Species Conservation Act 1995) or a dodiversity Conservation Act 2016. b. or Conservation Act 2016. c. Existing where legislation has been repealed: onservation Trust Act 2001 Property ation Act 2003 Registered | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Potential impacts | Activity not permitted in these areas. | | | |
| Proposed management controls | N/A | | | |
| Duration | N/A | | | |
| Application ranking | | | | |
| What is the confidence in | N/A | Are further | N/A | |
| predicting impacts? | 19/73 | studies | 19/7 | |
| predicting impacts: | | required on | | |
| | | | | |
| | | impacts or | | |
| | N/A | mitigation? | 1 | |
| How resilient is the environment to | N/A | What is the | N/A | |
| cope with impacts? | | level of | | |
| | | public | | |
| | | concern? | | |
| Can the impacts be reversed? | N/A | Ranking of | | |
| | | potential | | |
| | | | | |
| | | | | |
| Can the impacts be mitigated? | N/A | significance | or ranking | |
| Can the impacts be mitigated? | N/A N/A | | or ranking | |
| Do the operations comply with | N/A N/A | significance | or ranking | |
| Do the operations comply with standards, plans, policies? | N/A | significance Justification fo | _ | |
| Do the operations comply with | N/A Sensitive Land Impacts: Impacts on aquatic Estate Management Act 2014. Impacts on C | significance Justification for reserves or man | ine parks declared under the Marine | |
| Do the operations comply with standards, plans, policies? Criteria | N/A Sensitive Land Impacts: Impacts on aquatic Estate Management Act 2014. Impacts on C 2016. | significance Justification for reserves or man | ine parks declared under the Marine | |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts | N/A Sensitive Land Impacts: Impacts on aquatic Estate Management Act 2014. Impacts on C 2016. Activity not permitted in these areas. | significance Justification for reserves or man | ine parks declared under the Marine | |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls | N/A Sensitive Land Impacts: Impacts on aquatic Estate Management Act 2014. Impacts on C 2016. Activity not permitted in these areas. N/A | significance Justification for reserves or man | ine parks declared under the Marine | |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration | N/A Sensitive Land Impacts: Impacts on aquatic Estate Management Act 2014. Impacts on C 2016. Activity not permitted in these areas. | significance Justification for reserves or man | ine parks declared under the Marine | |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking | N/A Sensitive Land Impacts: Impacts on aquatic Estate Management Act 2014. Impacts on C 2016. Activity not permitted in these areas. N/A N/A | significance Justification for the serves or mark coastal Zone as described by the serves of the serves or mark coastal Zone as described by the serves of t | ine parks declared under the Marine lefined in the Coastal Management Act | |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration | N/A Sensitive Land Impacts: Impacts on aquatic Estate Management Act 2014. Impacts on C 2016. Activity not permitted in these areas. N/A | significance Justification for reserves or man | ine parks declared under the Marine | |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking | N/A Sensitive Land Impacts: Impacts on aquatic Estate Management Act 2014. Impacts on C 2016. Activity not permitted in these areas. N/A N/A | significance Justification for the serves or mark coastal Zone as described by the serves of the serves or mark coastal Zone as described by the serves of t | ine parks declared under the Marine lefined in the Coastal Management Act | |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in | N/A Sensitive Land Impacts: Impacts on aquatic Estate Management Act 2014. Impacts on C 2016. Activity not permitted in these areas. N/A N/A | significance Justification for the serves or many coastal Zone as described in the serves of the ser | ine parks declared under the Marine lefined in the Coastal Management Act | |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in | N/A Sensitive Land Impacts: Impacts on aquatic Estate Management Act 2014. Impacts on C 2016. Activity not permitted in these areas. N/A N/A | significance Justification for reserves or maricoastal Zone as described in the control of the c | ine parks declared under the Marine lefined in the Coastal Management Act | |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in | N/A Sensitive Land Impacts: Impacts on aquatic Estate Management Act 2014. Impacts on C 2016. Activity not permitted in these areas. N/A N/A | significance Justification for the serves or mark coastal Zone as described by the server of the ser | ine parks declared under the Marine lefined in the Coastal Management Act | |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? | N/A Sensitive Land Impacts: Impacts on aquatic Estate Management Act 2014. Impacts on C 2016. Activity not permitted in these areas. N/A N/A N/A | significance Justification for the serves or mark coastal Zone as described by the server of the ser | ine parks declared under the Marine lefined in the Coastal Management Act | |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to | N/A Sensitive Land Impacts: Impacts on aquatic Estate Management Act 2014. Impacts on C 2016. Activity not permitted in these areas. N/A N/A | significance Justification for the serves or mark coastal Zone as described by the server of the ser | ine parks declared under the Marine lefined in the Coastal Management Act | |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? | N/A Sensitive Land Impacts: Impacts on aquatic Estate Management Act 2014. Impacts on C 2016. Activity not permitted in these areas. N/A N/A N/A | significance Justification for the serves or mark coastal Zone as described by the server of the ser | ine parks declared under the Marine lefined in the Coastal Management Act | |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to | N/A Sensitive Land Impacts: Impacts on aquatic Estate Management Act 2014. Impacts on C 2016. Activity not permitted in these areas. N/A N/A N/A | significance Justification for the studies required on impacts or mitigation? What is the level of public | ine parks declared under the Marine lefined in the Coastal Management Act | |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? | N/A Sensitive Land Impacts: Impacts on aquatic Estate Management Act 2014. Impacts on C 2016. Activity not permitted in these areas. N/A N/A N/A | Are further studies required on impacts or mitigation? What is the level of public concern? | ine parks declared under the Marine lefined in the Coastal Management Act | |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to | N/A Sensitive Land Impacts: Impacts on aquatic Estate Management Act 2014. Impacts on C 2016. Activity not permitted in these areas. N/A N/A N/A | significance Justification for the state of | ine parks declared under the Marine lefined in the Coastal Management Act | |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? | N/A Sensitive Land Impacts: Impacts on aquatic Estate Management Act 2014. Impacts on C 2016. Activity not permitted in these areas. N/A N/A N/A | Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential | ine parks declared under the Marine lefined in the Coastal Management Act | |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? | N/A Sensitive Land Impacts: Impacts on aquatic Estate Management Act 2014. Impacts on C 2016. Activity not permitted in these areas. N/A N/A N/A N/A | Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance | ine parks declared under the Marine lefined in the Coastal Management Act N/A N/A | |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? | N/A Sensitive Land Impacts: Impacts on aquatic Estate Management Act 2014. Impacts on C 2016. Activity not permitted in these areas. N/A N/A N/A N/A N/A | Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential | ine parks declared under the Marine lefined in the Coastal Management Act N/A N/A | |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the operations comply with | N/A Sensitive Land Impacts: Impacts on aquatic Estate Management Act 2014. Impacts on C 2016. Activity not permitted in these areas. N/A N/A N/A N/A | Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance | ine parks declared under the Marine lefined in the Coastal Management Act N/A N/A | |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? | N/A Sensitive Land Impacts: Impacts on aquatic Estate Management Act 2014. Impacts on C 2016. Activity not permitted in these areas. N/A N/A N/A N/A N/A | Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for | ine parks declared under the Marine lefined in the Coastal Management Act N/A N/A or ranking | |

| Potential impacts | Negligible and only localised changes to dra | inage flows/flood | ling regime. | |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|--|
| | Surface runoff can be sediment laden from a | reas where vege | etation has been removed. | |
| | Generally minimal surface water use (must be licensed or use of farm dams through landholder agreements). | | | |
| | Interception, cross contamination and/or depoperations. Groundwater depressurisation e | | | |
| | Mobilisation of pollutants (such as hydrocarb | oons) in surface v | vater or aquifers. | |
| | Ford across creeks can cause stream bank o | Ford across creeks can cause stream bank erosion from vehicle wash. | | |
| | Inappropriate disposal of drilling wastes / over | erflow from drillin | ng sumps. | |
| | SEED search showed: Threatened Olive Perchet According to SEED portal, threatened Olive Perchet has been mapped close to the drill hole location, and, with a small ephemeral creek or drainage passing near the drill site mapped. Currently, there is no creek or other drainage in the vicinity of the drill site. The attached map "Olive-Perchlet distribution in NSW.jpg" suggests that the olive perchlet may be found in the Bogal River, which is 1.5 km south of the CH3 drill site. Otherwise, the only permanent water where fish such as Olive Perchlets might possibly be found is a man-made dam 630m to the SW of the drill site, and this will not be disturbed. | | | |
| Proposed management controls | Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include: a. Activities must implement all measures to prevent causing any adverse impacts on water quality or quantity. b. All sediment and erosion controls (including drainage from roads/access tracks) to be managed in accordance with Blue Book. c. No significant impact on any threatened species, threatened populations, threatened ecological communities, or their habitats. d. No removal of vegetation in waterfront land. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity. | | | |
| Duration | Short term | | | |
| Application ranking | | | T | |
| What is the confidence in predicting impacts? | High | Are further studies required on impacts or mitigation? | No | |
| How resilient is the environment to cope with impacts? | High Resilience | What is the level of public concern? | Medium | |
| Can the impacts be reversed? | Yes | Ranking of potential significance | Low | |
| Can the impacts be mitigated? | Fully | Justification f | or ranking | |
| Do the operations comply with standards, plans, policies? | Yes | | | |
| Criteria | Sensitive Land Impacts: Impacts on other sensitive lands including: a. Land within a state force 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. | | s. This includes flora reserves and atchment protection areas - land water NSW Act 2014, or a 'special | |
| Potential impacts | N/A CEA Location restrictions prevent acti | | nsitive locations. | |
| Proposed management controls | N/A | | | |
| Duration | N/A | | | |
| Application ranking | | | 1 | |
| What is the confidence in predicting impacts? | N/A | Are further studies required on impacts or mitigation? | N/A | |
| How resilient is the environment to cope with impacts? | N/A | What is the level of public concern? | Low | |
| Can the impacts be reversed? | N/A | Ranking of potential significance | | |

| Can the impacts be mitigated? Do the operations comply with | N/A N/A | Justification f | or ranking |
|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| standards, plans, policies? | IV/A | | |
| Criteria | Sensitive Land Impacts: Impacts on land re Lands Act 1989/Crown Lands Management environmental protection purposes. | | |
| Potential impacts | Activity not permitted in area. | | |
| Proposed management controls | N/A | | |
| Duration | N/A | | |
| Application ranking | | | |
| What is the confidence in | N/A | Are further | N/A |
| predicting impacts? | | studies | |
| | | required on | |
| | | impacts or mitigation? | |
| How resilient is the environment to | N/A | What is the | N/A |
| cope with impacts? | | level of | |
| | | public | |
| | | concern? | |
| Can the impacts be reversed? | N/A | Ranking of | |
| | | potential | |
| | | significance | |
| Can the impacts be mitigated? | N/A | Justification f | or ranking |
| Do the operations comply with | N/A | | |
| standards, plans, policies? | Sensitive Land Impacts: Impacts on land id | entified as wildern | ness or declared a wilderness area |
| Officia | under the Wilderness Act 1987. | critinoa ao wilaon | icos di decidida a wilderiicos dica |
| Potential impacts | Activity not permitted in these areas. | | |
| Proposed management controls | N/A | | |
| Duration | N/A | | |
| Application ranking | | | |
| What is the confidence in | N/A | Are further | N/A |
| predicting impacts? | | studies | |
| | | required on impacts or | |
| | | mitigation? | |
| How resilient is the environment to | N/A | What is the | N/A |
| cope with impacts? | | level of | |
| | | public | |
| | | concern? | |
| Can the impacts be reversed? | N/A | Ranking of | |
| | | potential significance | |
| Can the impacts be mitigated? | N/A | Justification f | or ranking |
| Do the operations comply with | N/A | | J |
| standards, plans, policies? | | | |
| Criteria | Sensitive Lands: Impacts on wetlands of int | | |
| | Convention on Wetlands and those designates | ated as a national | y important wetland in the Directory of |
| Potential impacts | Important Wetlands of Australia. Activity not permitted in these areas. | | |
| Proposed management controls | N/A | | |
| Duration | N/A | | |
| Application ranking | | | |
| What is the confidence in | N/A | Are further | N/A |
| predicting impacts? | | studies | |
| | | required on | |
| | | | |
| | | impacts or | |
| How resilient is the environment to | N/A | impacts or mitigation? | N/A |
| How resilient is the environment to cope with impacts? | N/A | impacts or | N/A |
| | N/A | impacts or mitigation? What is the | N/A |
| cope with impacts? | | impacts or mitigation? What is the level of public concern? | N/A |
| | N/A | impacts or mitigation? What is the level of public concern? Ranking of | N/A |
| cope with impacts? | | impacts or mitigation? What is the level of public concern? Ranking of potential | N/A |
| cope with impacts? Can the impacts be reversed? | N/A | impacts or mitigation? What is the level of public concern? Ranking of potential significance | |
| Can the impacts be reversed? Can the impacts be mitigated? | N/A | impacts or mitigation? What is the level of public concern? Ranking of potential | |
| Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with | N/A | impacts or mitigation? What is the level of public concern? Ranking of potential significance | |
| Can the impacts be reversed? Can the impacts be mitigated? | N/A | impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification f | or ranking |
| Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? | N/A N/A N/A N/A Sensitive Land Impacts: Impacts on land id of biodiversity / conservation significance o | impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification f | for ranking ronmental planning instrument as being nmental conservation, protection and/or |
| Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? | N/A N/A N/A N/A Sensitive Land Impacts: Impacts on land id of biodiversity / conservation significance o management. Includes Coastal Wetlands a | impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification f | for ranking ronmental planning instrument as being nmental conservation, protection and/or |
| Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria | N/A N/A N/A N/A Sensitive Land Impacts: Impacts on land id of biodiversity / conservation significance o management. Includes Coastal Wetlands a Planning Policy (Resilience and Hazards) 2 | impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification f | for ranking ronmental planning instrument as being nmental conservation, protection and/or |
| Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? | N/A N/A N/A N/A Sensitive Land Impacts: Impacts on land id of biodiversity / conservation significance o management. Includes Coastal Wetlands a | impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification f | for ranking ronmental planning instrument as being nmental conservation, protection and/or |

| Duration | N/A | | |
|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|------------------------------------------|
| Application ranking | | | |
| What is the confidence in | N/A | Are further | N/A |
| predicting impacts? | | studies | |
| , | | required on | |
| | | impacts or | |
| | | mitigation? | |
| How resilient is the environment to | N/A | What is the | N/A |
| | IN/A | | IN/A |
| cope with impacts? | | level of | |
| | | public | |
| | | concern? | |
| Can the impacts be reversed? | N/A | Ranking of | |
| | | potential | |
| | | significance | |
| Can the impacts be mitigated? | N/A | Justification f | or ranking |
| Do the operations comply with | N/A | - Cuotinoution i | or ranking |
| standards, plans, policies? | 19/73 | | |
| | Consitius I and Inspector Inspector on Aborini | | ation and a Abanininal places and |
| Criteria | Sensitive Land Impacts: Impacts on Aborigin | | |
| | objects under the National Parks and Wildlif | | reas of Aboriginal cultural significance |
| | identified in an environmental planning instru | ument. | |
| Potential impacts | Activity not permitted in these areas. | | |
| Proposed management controls | N/A | | |
| Duration | N/A | | |
| Application ranking | | | |
| | NI/A | A r.a. £ | NI/A |
| What is the confidence in | N/A | Are further | N/A |
| predicting impacts? | | studies | |
| | | required on | |
| | | impacts or | |
| | | mitigation? | |
| How resilient is the environment to | N/A | What is the | N/A |
| cope with impacts? | 1477 | level of | 14/7 |
| cope with impacts: | | | |
| | | public | |
| | | concern? | |
| Can the impacts be reversed? | N/A | Ranking of | |
| | | potential | |
| | | significance | |
| Can the impacts be mitigated? | N/A | Justification f | or ranking |
| Do the operations comply with | N/A | | |
| standards, plans, policies? | 19/73 | | |
| Criteria | Sensitive Land Impacts: Impacts on heritage | nrotootion aroos | (historia or natural): a Nationally |
| Criteria | | | |
| | and internationally recognised heritage sites | | |
| | Commonwealth Heritage List) b. Items list | | |
| | conservation areas identified in an environm | nental planning in | strument |
| Potential impacts | CEA activities not permitted in these areas. | | |
| Proposed management controls | N/A | | |
| Duration | N/A | | |
| Application ranking | 1,77 | | |
| | NI/A | A u.a. forutle a u | NI/A |
| What is the confidence in | N/A | Are further | N/A |
| predicting impacts? | | studies | |
| | | required on | |
| | | impacts or | |
| | | mitigation? | |
| How resilient is the environment to | N/A | What is the | N/A |
| cope with impacts? | | level of | ,, . |
| cope with impuoto: | | public | |
| | | | |
| | | concern? | |
| Can the impacts be reversed? | N/A | Ranking of | |
| | | potential | |
| | | significance | |
| Can the impacts be mitigated? | | | or ranking |
| Do the operations comply with | N/A | Justification f | or ranking |
| standards, plans, policies? | | Justification f | or ranking |
| | N/A N/A | Justification f | or ranking |
| | N/A | | |
| Criteria | N/A Sensitive Land Impacts: Impacts on commu | nity land classifie | |
| Criteria | N/A Sensitive Land Impacts: Impacts on commu 1993 (for which a plan of management has | nity land classifie | |
| Criteria Potential impacts | N/A Sensitive Land Impacts: Impacts on commu 1993 (for which a plan of management has I Activity not permitted in these areas. | nity land classifie | |
| Criteria | N/A Sensitive Land Impacts: Impacts on commu 1993 (for which a plan of management has l Activity not permitted in these areas. N/A | nity land classifie | |
| Criteria Potential impacts | N/A Sensitive Land Impacts: Impacts on commu 1993 (for which a plan of management has I Activity not permitted in these areas. | nity land classifie | |
| Criteria Potential impacts Proposed management controls Duration | N/A Sensitive Land Impacts: Impacts on commu 1993 (for which a plan of management has l Activity not permitted in these areas. N/A | nity land classifie | |
| Potential impacts Proposed management controls Duration Application ranking | N/A Sensitive Land Impacts: Impacts on commu 1993 (for which a plan of management has I Activity not permitted in these areas. N/A N/A | nity land classifie been prepared). | d under the Local Government Act |
| Potential impacts Proposed management controls Duration Application ranking What is the confidence in | N/A Sensitive Land Impacts: Impacts on commu 1993 (for which a plan of management has l Activity not permitted in these areas. N/A | nity land classifie been prepared). Are further | |
| Potential impacts Proposed management controls Duration Application ranking | N/A Sensitive Land Impacts: Impacts on commu 1993 (for which a plan of management has I Activity not permitted in these areas. N/A N/A | nity land classifie been prepared). Are further studies | d under the Local Government Act |
| Potential impacts Proposed management controls Duration Application ranking What is the confidence in | N/A Sensitive Land Impacts: Impacts on commu 1993 (for which a plan of management has I Activity not permitted in these areas. N/A N/A | nity land classifie been prepared). Are further studies required on | d under the Local Government Act |
| Potential impacts Proposed management controls Duration Application ranking What is the confidence in | N/A Sensitive Land Impacts: Impacts on commu 1993 (for which a plan of management has I Activity not permitted in these areas. N/A N/A | nity land classifie been prepared). Are further studies | d under the Local Government Act |

| | T | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| How resilient is the environment to | N/A | What is the | N/A |
| cope with impacts? | | level of | |
| | | public | |
| 0 41 1 | N1/A | concern? | |
| Can the impacts be reversed? | N/A | Ranking of | |
| | | potential significance | |
| Can the impacts be mitigated? | N/A | Justification f | or ranking |
| Do the operations comply with | N/A | Justilication | or ranking |
| standards, plans, policies? | 14/7 | | |
| Criteria | Sensitive Land Impacts: Impacts on bushfire | prone areas. | |
| Potential impacts | Plant and machinery may be an ignition sou | rce | |
| Proposed management controls | Activities must comply with CEA Location Re | | t Thresholds and Criteria. Activities |
| | must comply with (Exploration Code of Praccommitment in the application (APO). Relevant | ant requirements | s of this Code including undertaking a |
| | risk assessment and implementing suitable controls on activities during Extreme or Cata | | |
| | Activities must comply with WHS legislative can be used as firebreaks in event of fire. | | Any existing/proposed access tracks |
| Duration | Short term | | |
| Application ranking | | | |
| What is the confidence in | High | Are further | No |
| predicting impacts? | | studies | |
| | | required on | |
| | | impacts or mitigation? | |
| How resilient is the environment to | High Resilience | What is the | Medium |
| cope with impacts? | Tilgit Resilienes | level of | Wicdiam |
| | | public | |
| | | concern? | |
| Can the impacts be reversed? | Yes | Ranking of | Low |
| | | potential | |
| | | significance | |
| | l = " | 1 4161 41 6 | |
| Can the impacts be mitigated? | Fully | Justification f | or ranking |
| Do the operations comply with | Yes | Justification f | or ranking |
| Do the operations comply with standards, plans, policies? | Yes | | _ |
| Do the operations comply with | , | a change in the c | lemographic structure of the |
| Do the operations comply with standards, plans, policies? | Yes Social Impacts: Any impacts which result in | a change in the co | lemographic structure of the ure of the area/region. Including |
| Do the operations comply with standards, plans, policies? Criteria | Yes Social Impacts: Any impacts which result in community, including changes to workforce change in demand for community resources labour force). | a change in the coor industry struction (eg community f | lemographic structure of the ure of the area/region. Including acilities, community services and |
| Do the operations comply with standards, plans, policies? | Yes Social Impacts: Any impacts which result in community, including changes to workforce change in demand for community resources labour force). Limited potential for any significant change in the community resources labour force. | a change in the coor industry struction (eg community for the demograph | lemographic structure of the ure of the area/region. Including acilities, community services and ic structure of the community. |
| Do the operations comply with standards, plans, policies? Criteria | Yes Social Impacts: Any impacts which result in community, including changes to workforce change in demand for community resources labour force). Limited potential for any significant change i Negligible impacts and only localised change. | a change in the coor industry struction (eg community for the demographes in demand for | lemographic structure of the ure of the area/region. Including acilities, community services and ic structure of the community. |
| Do the operations comply with standards, plans, policies? Criteria | Yes Social Impacts: Any impacts which result in community, including changes to workforce change in demand for community resources labour force). Limited potential for any significant change i Negligible impacts and only localised changincrease in demand for accommodation, foo | a change in the coor industry struction (eg community for the demographes in demand for | lemographic structure of the ure of the area/region. Including acilities, community services and ic structure of the community. |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts | Yes Social Impacts: Any impacts which result in community, including changes to workforce change in demand for community resources labour force). Limited potential for any significant change in Negligible impacts and only localised change increase in demand for accommodation, foo to warrant significant changes in supply. | a change in the cor industry structr (eg community fin the demographes in demand for d, mechanical and | lemographic structure of the ure of the area/region. Including acilities, community services and ic structure of the community. community resources. Minimal d fuel supplies, etc. Not large enough |
| Do the operations comply with standards, plans, policies? Criteria | Yes Social Impacts: Any impacts which result in community, including changes to workforce change in demand for community resources labour force). Limited potential for any significant change i Negligible impacts and only localised change increase in demand for accommodation, foo to warrant significant changes in supply. Negligible impacts likely due to low personner. | a change in the cor industry structr (eg community fin the demographes in demand for d, mechanical and l numbers and to | lemographic structure of the ure of the area/region. Including acilities, community services and ic structure of the community. community resources. Minimal d fuel supplies, etc. Not large enough emporary nature of exploration. |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts | Yes Social Impacts: Any impacts which result in community, including changes to workforce change in demand for community resources labour force). Limited potential for any significant change in Negligible impacts and only localised change increase in demand for accommodation, foo to warrant significant changes in supply. | a change in the cor industry structr (eg community fin the demographes in demand for d, mechanical and l numbers and to | lemographic structure of the ure of the area/region. Including acilities, community services and ic structure of the community. community resources. Minimal d fuel supplies, etc. Not large enough emporary nature of exploration. |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls | Yes Social Impacts: Any impacts which result in community, including changes to workforce change in demand for community resources labour force). Limited potential for any significant change i Negligible impacts and only localised change increase in demand for accommodation, foo to warrant significant changes in supply. Negligible impacts likely due to low personned Generally positive for suppliers of services as | a change in the cor industry structr (eg community fin the demographes in demand for d, mechanical and l numbers and to | lemographic structure of the ure of the area/region. Including acilities, community services and ic structure of the community. community resources. Minimal d fuel supplies, etc. Not large enough emporary nature of exploration. |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in | Yes Social Impacts: Any impacts which result in community, including changes to workforce change in demand for community resources labour force). Limited potential for any significant change i Negligible impacts and only localised change increase in demand for accommodation, foo to warrant significant changes in supply. Negligible impacts likely due to low personned Generally positive for suppliers of services as | a change in the cor industry structr (eg community fin the demographes in demand for d, mechanical and l numbers and to | lemographic structure of the ure of the area/region. Including acilities, community services and ic structure of the community. community resources. Minimal d fuel supplies, etc. Not large enough emporary nature of exploration. |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking | Yes Social Impacts: Any impacts which result in community, including changes to workforce change in demand for community resources labour force). Limited potential for any significant change i Negligible impacts and only localised change increase in demand for accommodation, foo to warrant significant changes in supply. Negligible impacts likely due to low personned Generally positive for suppliers of services a Short term | a change in the cor industry structive (eg community for the demographes in demand for d, mechanical and lel numbers and to tind goods utilised. Are further studies | lemographic structure of the ure of the area/region. Including acilities, community services and ic structure of the community. community resources. Minimal d fuel supplies, etc. Not large enough emporary nature of exploration. |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in | Yes Social Impacts: Any impacts which result in community, including changes to workforce change in demand for community resources labour force). Limited potential for any significant change i Negligible impacts and only localised change increase in demand for accommodation, foo to warrant significant changes in supply. Negligible impacts likely due to low personned Generally positive for suppliers of services a Short term | a change in the cor industry structive (eg community for the demographes in demand for d, mechanical and goods utilised. Are further studies required on | lemographic structure of the ure of the area/region. Including acilities, community services and ic structure of the community. community resources. Minimal d fuel supplies, etc. Not large enough emporary nature of exploration. |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in | Yes Social Impacts: Any impacts which result in community, including changes to workforce change in demand for community resources labour force). Limited potential for any significant change i Negligible impacts and only localised change increase in demand for accommodation, foo to warrant significant changes in supply. Negligible impacts likely due to low personned Generally positive for suppliers of services a Short term | a change in the cor industry structive (eg community for the demographes in demand for d, mechanical and goods utilised. Are further studies required on impacts or | lemographic structure of the ure of the area/region. Including acilities, community services and ic structure of the community. community resources. Minimal d fuel supplies, etc. Not large enough emporary nature of exploration. |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? | Yes Social Impacts: Any impacts which result in community, including changes to workforce change in demand for community resources labour force). Limited potential for any significant change i Negligible impacts and only localised changincrease in demand for accommodation, foo to warrant significant changes in supply. Negligible impacts likely due to low personne Generally positive for suppliers of services a Short term | a change in the cor industry structive (eg community for the demographes in demand for d, mechanical and goods utilised. Are further studies required on impacts or mitigation? | lemographic structure of the ure of the area/region. Including acilities, community services and ic structure of the community. community resources. Minimal d fuel supplies, etc. Not large enough emporary nature of exploration. |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to | Yes Social Impacts: Any impacts which result in community, including changes to workforce change in demand for community resources labour force). Limited potential for any significant change i Negligible impacts and only localised change increase in demand for accommodation, foo to warrant significant changes in supply. Negligible impacts likely due to low personned Generally positive for suppliers of services a Short term | a change in the cor industry structive (eg community for the demographes in demand for d, mechanical and goods utilised. Are further studies required on impacts or mitigation? | lemographic structure of the ure of the area/region. Including acilities, community services and ic structure of the community. community resources. Minimal d fuel supplies, etc. Not large enough emporary nature of exploration. |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? | Yes Social Impacts: Any impacts which result in community, including changes to workforce change in demand for community resources labour force). Limited potential for any significant change i Negligible impacts and only localised changincrease in demand for accommodation, foo to warrant significant changes in supply. Negligible impacts likely due to low personne Generally positive for suppliers of services a Short term | a change in the cor industry structr (eg community for the demographes in demand for d, mechanical and goods utilised. Are further studies required on impacts or mitigation? What is the level of | lemographic structure of the ure of the area/region. Including acilities, community services and ic structure of the community. community resources. Minimal d fuel supplies, etc. Not large enough emporary nature of exploration. |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to | Yes Social Impacts: Any impacts which result in community, including changes to workforce change in demand for community resources labour force). Limited potential for any significant change i Negligible impacts and only localised changincrease in demand for accommodation, foo to warrant significant changes in supply. Negligible impacts likely due to low personne Generally positive for suppliers of services a Short term | a change in the cor industry structr (eg community for the demographes in demand for d, mechanical and goods utilised. Are further studies required on impacts or mitigation? What is the level of public | lemographic structure of the ure of the area/region. Including acilities, community services and ic structure of the community. community resources. Minimal d fuel supplies, etc. Not large enough emporary nature of exploration. |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to | Yes Social Impacts: Any impacts which result in community, including changes to workforce change in demand for community resources labour force). Limited potential for any significant change i Negligible impacts and only localised changincrease in demand for accommodation, foo to warrant significant changes in supply. Negligible impacts likely due to low personne Generally positive for suppliers of services a Short term | a change in the cor industry structr (eg community for the demographes in demand for d, mechanical and goods utilised. Are further studies required on impacts or mitigation? What is the level of public concern? | lemographic structure of the ure of the area/region. Including acilities, community services and ic structure of the community. community resources. Minimal d fuel supplies, etc. Not large enough emporary nature of exploration. |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? | Yes Social Impacts: Any impacts which result in community, including changes to workforce change in demand for community resources labour force). Limited potential for any significant change i Negligible impacts and only localised change increase in demand for accommodation, foo to warrant significant changes in supply. Negligible impacts likely due to low personne Generally positive for suppliers of services a Short term High High Resilience | a change in the cor industry structr (eg community for the demographes in demand for d, mechanical and goods utilised. Are further studies required on impacts or mitigation? What is the level of public | lemographic structure of the ure of the area/region. Including acilities, community services and ic structure of the community. community resources. Minimal d fuel supplies, etc. Not large enough emporary nature of exploration. |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? | Yes Social Impacts: Any impacts which result in community, including changes to workforce change in demand for community resources labour force). Limited potential for any significant change i Negligible impacts and only localised change increase in demand for accommodation, foo to warrant significant changes in supply. Negligible impacts likely due to low personne Generally positive for suppliers of services a Short term High High Resilience | a change in the cor industry structr (eg community for the demographes in demand for d, mechanical and goods utilised. Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance | lemographic structure of the ure of the area/region. Including acilities, community services and ic structure of the community. community resources. Minimal d fuel supplies, etc. Not large enough emporary nature of exploration. No Low |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? | Yes Social Impacts: Any impacts which result in community, including changes to workforce change in demand for community resources labour force). Limited potential for any significant change i Negligible impacts and only localised change increase in demand for accommodation, foo to warrant significant changes in supply. Negligible impacts likely due to low personne Generally positive for suppliers of services a Short term High High Resilience | a change in the cor industry struct (eg community for the demographes in demand for d, mechanical and goods utilised. Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential | lemographic structure of the ure of the area/region. Including acilities, community services and ic structure of the community. community resources. Minimal d fuel supplies, etc. Not large enough emporary nature of exploration. No Low |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with | Yes Social Impacts: Any impacts which result in community, including changes to workforce change in demand for community resources labour force). Limited potential for any significant change i Negligible impacts and only localised changincrease in demand for accommodation, foo to warrant significant changes in supply. Negligible impacts likely due to low personning Generally positive for suppliers of services at Short term High High Resilience | a change in the cor industry structr (eg community for the demographes in demand for d, mechanical and goods utilised. Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance | lemographic structure of the ure of the area/region. Including acilities, community services and ic structure of the community. community resources. Minimal d fuel supplies, etc. Not large enough emporary nature of exploration. No Low |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the operations comply with standards, plans, policies? | Yes Social Impacts: Any impacts which result in community, including changes to workforce change in demand for community resources labour force). Limited potential for any significant change i Negligible impacts and only localised changincrease in demand for accommodation, foo to warrant significant changes in supply. Negligible impacts likely due to low personne Generally positive for suppliers of services a Short term High High Resilience Yes Fully Yes | a change in the cor industry struct (eg community for the demographes in demand for d, mechanical and goods utilised. Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for | lemographic structure of the ure of the area/region. Including acilities, community services and ic structure of the community. community resources. Minimal d fuel supplies, etc. Not large enough emporary nature of exploration. |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the operations comply with | Yes Social Impacts: Any impacts which result in community, including changes to workforce change in demand for community resources labour force). Limited potential for any significant change i Negligible impacts and only localised changincrease in demand for accommodation, foo to warrant significant changes in supply. Negligible impacts likely due to low personning Generally positive for suppliers of services at Short term High High Resilience | a change in the cor industry structr (eg community for the demographes in demand for d, mechanical and el numbers and tour doods utilised. Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for the public cancer or the public concern. | lemographic structure of the ure of the area/region. Including acilities, community services and ic structure of the community. community resources. Minimal d fuel supplies, etc. Not large enough emporary nature of exploration. No Low Low bstantial change or disruption to the |

| Potential impacts | Environmental impacts from activities not of disruption to community. | a nature to caus | e any significant or long term change or | |
|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|------------------------------------------|--|
| | Areas used for exploration activities, temporuse. | arily removed fro | m natural systems and / community | |
| | Short term noise, air quality and visual impact AIR Dust generated will equate to less than gene is the health of the drilling personnel. Accord the potential dust impacts of the RC drilling a technique. | erated on adjacer lingly manageme | ent controls will be designed to reduce | |
| | TIMING/NOISE Standard business hours but 7 days a week Timing: 1/7/2024 to 1/10/2024 While there is a homestead that is occasiona realistically sensitive receiver is the town of I comply with appropriate noise management Guidelines (DECC,2009) | ally occupied 5 ki Brewarrina, 34 ki | m to the NNE. The title holder will | |
| Proposed management controls | Activities must comply with CEA Location Re | estrictions, Impac | ct Thresholds and Criteria. | |
| | Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as p commitment in the application (APO). Relevant requirements of this Code include minimisin potential impacts on all aspects of the environment (including water, land, air). All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Code). | | | |
| | Practice: Rehabilitation). Rehabilitation to oc (including sealing of any boreholes). | ccur as soon as p | practicable after completion of activity | |
| Duration | Short term | | | |
| Application ranking | | | | |
| What is the confidence in predicting impacts? | High | Are further studies required on impacts or | No | |
| | | mitigation? | | |
| How resilient is the environment to cope with impacts? | High Resilience | What is the level of public concern? | Low | |
| Can the impacts be reversed? | Yes | Ranking of potential significance | Low | |
| Can the impacts be mitigated? | Partly | Justification f | or ranking | |
| Do the operations comply with | Yes | | | |
| standards, plans, policies? Criteria | Social Impacts: Any impacts which result in | somo individuals | or communities being significantly | |
| Potential impacts | disadvantaged (e.g. change to community fa Impacts from activities not of a nature to cau community. | acilities, services | or labour force). | |
| | Limited potential to significantly impact on in | dividuals or com | munities - short term impacts only. | |
| | Areas used for exploration activities, temporause. | arily removed fro | m natural systems and / community | |
| | Short term noise, air quality and visual impac | cts. | | |
| | Dust generated will equate to less than gene is the health of the drilling personnel. Accord the potential dust impacts of the RC drilling a technique. | lingly manageme | ent controls will be designed to reduce | |
| | TIMING/NOISE Standard business hours but 7 days a week Timing: 1/7/2024 to 1/10/2024 While there is a homestead that is occasiona realistically sensitive receiver is the town of I comply with appropriate noise management Guidelines (DECC,2009) | ally occupied 5 ki Brewarrina, 34 ki | m to the NNE. The title holder will | |
| | l . | | | |

| Proposed management controls Duration | Activities must comply with CEA Location Remust comply with (Exploration Code of Pract commitment in the application (APO). Relevelements of the environment (water, land, so be rehabilitated in accordance with title cond Rehabilitation to occur as soon as practicable requirement for landholder access arrangem Compensation under Mining Act available to WHS legislative requirements. | tice: Environment rant requirement oil, air), culture au litions (Exploration e after completion ents and compe | ntal Management) as per the softhis Code include protection of all and heritage. All disturbed areas to con Code of Practice: Rehabilitation). On of activity. Legislative insation limit any potential impacts. |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application ranking | | | |
| What is the confidence in | High | Are further | No |
| predicting impacts? | | studies | |
| | | required on | |
| | | impacts or | |
| | | mitigation? | |
| How resilient is the environment to | High Resilience | What is the | Low |
| cope with impacts? | | level of | |
| | | public | |
| | | concern? | |
| Can the impacts be reversed? | Yes | Ranking of | Low |
| | | potential | |
| | | significance | |
| Can the impacts be mitigated? | Fully | Justification f | or ranking |
| Do the operations comply with | Yes | | |
| standards, plans, policies? | | | |
| Criteria | Social Impacts: Any impacts on the health, s caused by factors such as pollution, odour, r | | |
| Potential impacts | Activities not of a nature to cause any significant | cant or long term | h health, safety, privacy or welfare |
| P | impacts. | 3 | , ,,,, |
| | Limited potential to significantly impact on in | dividuala ar aam | munities short torre imposts only |
| | Limited potential to significantly impact on in | uividuais or com | munities - short term impacts only. |
| | Short term and temporary noise, air quality a | and visual impact | ts. |
| | AIR | | |
| | Dust generated will equate to less than gene | | |
| | is the health of the drilling personnel. Accord | | |
| | the potential dust impacts of the RC drilling a | and will utilize du | st suppression for this air drilling |
| | technique. | | |
| | | | |
| | TIMING/NOISE | | |
| | Standard business hours but 7 days a week | | |
| | Timing: 1/7/2024 to 1/10/2024 | | |
| | While there is a homestead that is occasional | | |
| | realistically sensitive receiver is the town of I | | |
| | comply with appropriate noise management | measures are se | et out in the Interim Construction Noise |
| | Guidelines (DECC,2009) | | |
| | | | |
| Proposed management controls | Activities must comply with CEA Location Re | | |
| | must comply with (Exploration Code of Pract | | |
| | commitment in the application (APO). Relev | | |
| | elements of the environment (water, land, so | | |
| | be rehabilitated in accordance with title cond | | , |
| | Rehabilitation to occur as soon as practicable | | |
| | requirement for landholder access arrangem | | |
| | Compensation under Mining Act available to | mitigate comper | nsation. Activities must comply with |
| | WHS legislative requirements. | | |
| Duration | Short term | | |
| Application ranking | | | L |
| What is the confidence in | N/A | Are further | No |
| predicting impacts? | | studies | |
| | | required on | |
| | | impacts or | |
| | N/A | mitigation? | |
| How resilient is the environment to | N/A | What is the | Low |
| cope with impacts? | | level of | |
| | | public | |
| On the Late | V | concern? | 1 |
| Can the impacts be reversed? | Yes | Ranking of | Low |
| | | potential | |
| | | significance | 1 |
| Can the impacts be mitigated? | Fully | Justification f | or ranking |
| Do the operations comply with | Yes | | |
| standards, plans, policies? | | | |

| Criteria | Social Impacts: Effect on a locality, place or archaeological, architectural, cultural, historivalue for present or future generations? | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Potential impacts | Negligible potential to effect a locality, place archaeological, architectural, cultural, historivalue due to location restrictions of a CEA. | | |
| | Short term and temporary impacts only. | | |
| | LANDUSE The existing and continuing land use is low- | carrying-capacity | sheep grazing which will not be |
| | impacted by the drilling operations. PHOTO Relatively flat. Grassy area. | , , , | 1 3 3, |
| Proposed management controls | | h CEA Location loloration Code of | oration activities and temporary nature Restrictions, Impact Thresholds and Practice: Environmental Management) s limited to immediate vicinity of |
| Duration | Short term | | |
| Application ranking | | | |
| What is the confidence in predicting impacts? | High | Are further studies required on impacts or mitigation? | No |
| How resilient is the environment to | High Resilience | What is the | Low |
| cope with impacts? | Trigit resilience | level of public | Low |
| Can the impacts he verraged? | Voc | concern? | Low |
| Can the impacts be reversed? | Yes | Ranking of potential | Low |
| | | significance | |
| Can the impacts be mitigated? | Partly | Justification for | or ranking |
| Do the operations comply with | Yes | | |
| standards, plans, policies? | | | |
| Criteria | Social Impacts: Impacts on communities with | n strong sense of | identity. |
| Potential impacts | Community likely to include members who h | | |
| Proposed management controls | exploration program. Short term and tem Short term impacts on the community and pr | iporary impacts c redominantly lim | ited to immediate site. Subject to |
| | landholder agreement and any compensatio accordance with title conditions (Exploration occur as soon as practicable after completio | n. All disturbe Code of Practice | ed areas to be rehabilitated in |
| Duration | Short term | | |
| Application ranking | | | |
| What is the confidence in | Medium | Are further | No |
| predicting impacts? | | studies required on impacts or | |
| | | mitigation? | |
| How resilient is the environment to | High Resilience | What is the | Low |
| cope with impacts? | | level of public concern? | |
| Can the impacts be reversed? | Yes | Ranking of | Low |
| - a impacto so iotoloca: | | potential | |
| | | | |
| · | | significance | |
| Can the impacts be mitigated? | Partly | Justification for | or ranking |
| Can the impacts be mitigated? Do the operations comply with standards, plans, policies? | Partly Yes | | or ranking |
| Do the operations comply with | • | Justification for | or ranking |
| Do the operations comply with standards, plans, policies? | Yes | Justification for | or ranking |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls | Yes Social Impacts: Impacts on disadvantaged c No negative impacts predicted. Short term impacts on the community and predicted agreement and any compensation accordance with title conditions (Exploration occur as soon as practicable after completion). | Justification for communities. redominantly limin. All disturbed Code of Practices | ited to immediate site. Subject to |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration | Yes Social Impacts: Impacts on disadvantaged c No negative impacts predicted. Short term impacts on the community and predicted agreement and any compensation accordance with title conditions (Exploration). | Justification for communities. redominantly limin. All disturbed Code of Practices | ited to immediate site. Subject to |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking | Yes Social Impacts: Impacts on disadvantaged c No negative impacts predicted. Short term impacts on the community and pr landholder agreement and any compensatio accordance with title conditions (Exploration occur as soon as practicable after completio Short term | Justification for communities. redominantly limin. All disturbed Code of Practices of activity. | ited to immediate site. Subject to ed areas to be rehabilitated in e: Rehabilitation). Rehabilitation to |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration | Yes Social Impacts: Impacts on disadvantaged c No negative impacts predicted. Short term impacts on the community and predicted agreement and any compensation accordance with title conditions (Exploration occur as soon as practicable after completion). | Justification for communities. redominantly limin. All disturbed Code of Practices | ited to immediate site. Subject to |

| How resilient is the environment to cope with impacts? | High Resilience | What is the level of | Low |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| cope with impacts: | | public | |
| | | concern? | |
| Can the impacts be reversed? | Yes | Ranking of | Low |
| our the impuoto be reversed. | 165 | potential | 2011 |
| | | significance | |
| Can the impacts be mitigated? | Fully | Justification f | or ranking |
| Do the operations comply with | Yes | Gustinoution | or ranking |
| standards, plans, policies? | 163 | | |
| Criteria | Economic Impacts: Any impacts which may | affect economic | activity (positive or negative) including |
| | a decrease to net economic welfare. | and of occinonia | double (poolars of hogalits), molading |
| Potential impacts | | al increase in den | nand for accommodation, food, |
| | mechanical and fuel supplies, etc. Not larg | | · · · · · · · · · · · · · · · · · · · |
| Proposed management controls | Negligible impacts likely due to low personr | | |
| 3 | Generally positive for suppliers of services | | |
| Duration | Short term | <u> </u> | |
| Application ranking | | | |
| What is the confidence in | High | Are further | No |
| predicting impacts? | 9 | studies | |
| producting impactor | | required on | |
| | | impacts or | |
| | | mitigation? | |
| How resilient is the environment to | High Resilience | What is the | Low |
| cope with impacts? | | level of | |
| cope with impacts: | | public | |
| | | concern? | |
| Can the impacts be reversed? | Yes | Ranking of | Low |
| can the impacts be reversed: | 163 | potential | LOW |
| | | significance | |
| | E. II. | Justification f | |
| Can the impacts be mitigated? | | Justilication | or ranking |
| Can the impacts be mitigated? | Fully | | |
| Do the operations comply with | Yes | | |
| Do the operations comply with standards, plans, policies? | Yes | in a degrade in t | ha acanomia atability of the community |
| Do the operations comply with standards, plans, policies? Criteria | Yes Economic Impacts: Any impacts that result | | <u> </u> |
| Do the operations comply with standards, plans, policies? | Yes Economic Impacts: Any impacts that result Activities not of a scale to warrant changes | in supply side. | he economic stability of the community. Temporary increase in demand will |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts | Yes Economic Impacts: Any impacts that result Activities not of a scale to warrant changes result in increased income for some supplie | in supply side. | Temporary increase in demand will |
| Do the operations comply with standards, plans, policies? Criteria | Yes Economic Impacts: Any impacts that result Activities not of a scale to warrant changes result in increased income for some supplie Negligible impacts likely due to low personr | in supply side. ers. nel numbers and t | Temporary increase in demand will emporary nature of exploration. |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls | Yes Economic Impacts: Any impacts that result Activities not of a scale to warrant changes result in increased income for some supplie Negligible impacts likely due to low personr Generally positive for suppliers of services | in supply side. ers. nel numbers and t | Temporary increase in demand will emporary nature of exploration. |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration | Yes Economic Impacts: Any impacts that result Activities not of a scale to warrant changes result in increased income for some supplie Negligible impacts likely due to low personr | in supply side. ers. nel numbers and t | Temporary increase in demand will emporary nature of exploration. |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking | Yes Economic Impacts: Any impacts that result Activities not of a scale to warrant changes result in increased income for some supplie Negligible impacts likely due to low personr Generally positive for suppliers of services Short term | in supply side. ers. nel numbers and t and goods utilised | Temporary increase in demand will emporary nature of exploration. |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in | Yes Economic Impacts: Any impacts that result Activities not of a scale to warrant changes result in increased income for some supplie Negligible impacts likely due to low personr Generally positive for suppliers of services | in supply side. irs. iel numbers and t and goods utilised Are further | Temporary increase in demand will emporary nature of exploration. |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking | Yes Economic Impacts: Any impacts that result Activities not of a scale to warrant changes result in increased income for some supplie Negligible impacts likely due to low personr Generally positive for suppliers of services Short term | in supply side. irs. iel numbers and to and goods utilised Are further studies | Temporary increase in demand will emporary nature of exploration. |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in | Yes Economic Impacts: Any impacts that result Activities not of a scale to warrant changes result in increased income for some supplie Negligible impacts likely due to low personr Generally positive for suppliers of services Short term | in supply side. irs. iel numbers and to and goods utilised Are further studies required on | Temporary increase in demand will emporary nature of exploration. |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in | Yes Economic Impacts: Any impacts that result Activities not of a scale to warrant changes result in increased income for some supplie Negligible impacts likely due to low personr Generally positive for suppliers of services Short term | in supply side. irs. iel numbers and to and goods utilised. Are further studies required on impacts or | Temporary increase in demand will emporary nature of exploration. |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? | Yes Economic Impacts: Any impacts that result Activities not of a scale to warrant changes result in increased income for some supplie Negligible impacts likely due to low personr Generally positive for suppliers of services Short term High | in supply side. irs. iel numbers and to and goods utilised. Are further studies required on impacts or mitigation? | Temporary increase in demand will emporary nature of exploration. |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to | Yes Economic Impacts: Any impacts that result Activities not of a scale to warrant changes result in increased income for some supplie Negligible impacts likely due to low personr Generally positive for suppliers of services Short term | in supply side. irs. iel numbers and the supply side. Are further studies required on impacts or mitigation? What is the | Temporary increase in demand will emporary nature of exploration. |
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| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to | Yes Economic Impacts: Any impacts that result Activities not of a scale to warrant changes result in increased income for some supplie Negligible impacts likely due to low personr Generally positive for suppliers of services Short term High | in supply side. Irs. Itel numbers and to and goods utilised Are further studies required on impacts or mitigation? What is the level of public | Temporary increase in demand will emporary nature of exploration. |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? | Yes Economic Impacts: Any impacts that result Activities not of a scale to warrant changes result in increased income for some supplie Negligible impacts likely due to low personr Generally positive for suppliers of services Short term High High Resilience | in supply side. irs. iel numbers and to and goods utilised Are further studies required on impacts or mitigation? What is the level of public concern? | Temporary increase in demand will emporary nature of exploration. |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to | Yes Economic Impacts: Any impacts that result Activities not of a scale to warrant changes result in increased income for some supplie Negligible impacts likely due to low personr Generally positive for suppliers of services Short term High | in supply side. Irs. Itel numbers and to and goods utilised Are further studies required on impacts or mitigation? What is the level of public | Temporary increase in demand will emporary nature of exploration. |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? | Yes Economic Impacts: Any impacts that result Activities not of a scale to warrant changes result in increased income for some supplie Negligible impacts likely due to low personr Generally positive for suppliers of services Short term High High Resilience | in supply side. irs. lel numbers and to and goods utilised Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential | Temporary increase in demand will emporary nature of exploration. No Low |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? | Yes Economic Impacts: Any impacts that result Activities not of a scale to warrant changes result in increased income for some supplie Negligible impacts likely due to low personr Generally positive for suppliers of services Short term High High Resilience | in supply side. irs. lel numbers and to and goods utilised. Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance | Temporary increase in demand will emporary nature of exploration. No Low |
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| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the operations comply with | Yes Economic Impacts: Any impacts that result Activities not of a scale to warrant changes result in increased income for some supplie Negligible impacts likely due to low personr Generally positive for suppliers of services Short term High High Resilience | in supply side. irs. lel numbers and to and goods utilised. Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance | Temporary increase in demand will emporary nature of exploration. No Low |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the operations comply with | Yes Economic Impacts: Any impacts that result Activities not of a scale to warrant changes result in increased income for some supplie Negligible impacts likely due to low personr Generally positive for suppliers of services Short term High High Resilience | in supply side. irs. lel numbers and to and goods utilised. Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance | Temporary increase in demand will emporary nature of exploration. No Low |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? | Yes Economic Impacts: Any impacts that result Activities not of a scale to warrant changes result in increased income for some supplie Negligible impacts likely due to low personr Generally positive for suppliers of services Short term High High Resilience | in supply side. Irs. Itel numbers and to and goods utilised. Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification f | Temporary increase in demand will emporary nature of exploration. No Low Low or ranking |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the operations comply with standards, plans, policies? | Yes Economic Impacts: Any impacts that result Activities not of a scale to warrant changes result in increased income for some supplie Negligible impacts likely due to low personr Generally positive for suppliers of services Short term High High Resilience Yes Partly Yes | in supply side. Irs. Itel numbers and to and goods utilised. Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification f | Temporary increase in demand will emporary nature of exploration. No Low Low or ranking |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the operations comply with standards, plans, policies? | Yes Economic Impacts: Any impacts that result Activities not of a scale to warrant changes result in increased income for some supplie Negligible impacts likely due to low personr Generally positive for suppliers of services Short term High High Resilience Yes Partly Yes Economic Impacts: Any impacts which resuexpenditure base. | in supply side. Irs. Itel numbers and to and goods utilised Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification f | Temporary increase in demand will emporary nature of exploration. No Low Low or ranking he public sector revenue or |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the operations comply with standards, plans, policies? Criteria | Yes Economic Impacts: Any impacts that result Activities not of a scale to warrant changes result in increased income for some supplie Negligible impacts likely due to low personr Generally positive for suppliers of services Short term High High Resilience Yes Partly Yes Economic Impacts: Any impacts which resuexpenditure base. Rehabilitation security bond covers any future. | in supply side. Irs. Itel numbers and to and goods utilised Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification full tin a change to to a signification. | Temporary increase in demand will emporary nature of exploration. No Low Low or ranking the public sector revenue or for rehabilitation. Investment in |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the operations comply with standards, plans, policies? Criteria | Yes Economic Impacts: Any impacts that result Activities not of a scale to warrant changes result in increased income for some supplie Negligible impacts likely due to low personr Generally positive for suppliers of services Short term High High Resilience Yes Partly Yes Economic Impacts: Any impacts which resu expenditure base. Rehabilitation security bond covers any futu exploration may lead to significant mining in | in supply side. Irs. Itel numbers and to and goods utilised Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification full tin a change to to a signification. | Temporary increase in demand will emporary nature of exploration. No Low Low or ranking he public sector revenue or |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts | Yes Economic Impacts: Any impacts that result Activities not of a scale to warrant changes result in increased income for some supplie Negligible impacts likely due to low personr Generally positive for suppliers of services. Short term High High Resilience Yes Partly Yes Economic Impacts: Any impacts which resuexpenditure base. Rehabilitation security bond covers any futt exploration may lead to significant mining in impacts from exploration. | in supply side. irs. itel numbers and to and goods utilised Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification full tin a change to the public liability investment. | Temporary increase in demand will emporary nature of exploration. No Low Low or ranking the public sector revenue or for rehabilitation. Investment in nited long term negative economic |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls | Yes Economic Impacts: Any impacts that result Activities not of a scale to warrant changes result in increased income for some supplie Negligible impacts likely due to low personr Generally positive for suppliers of services. Short term High High Resilience Yes Partly Yes Economic Impacts: Any impacts which resuexpenditure base. Rehabilitation security bond covers any futtexploration may lead to significant mining in impacts from exploration. Small increase in public revenue associated. | in supply side. irs. itel numbers and to and goods utilised Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification full tin a change to the public liability investment. | Temporary increase in demand will emporary nature of exploration. No Low Low or ranking the public sector revenue or for rehabilitation. Investment in nited long term negative economic |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration | Yes Economic Impacts: Any impacts that result Activities not of a scale to warrant changes result in increased income for some supplie Negligible impacts likely due to low personr Generally positive for suppliers of services. Short term High High Resilience Yes Partly Yes Economic Impacts: Any impacts which resuexpenditure base. Rehabilitation security bond covers any futt exploration may lead to significant mining in impacts from exploration. | in supply side. irs. itel numbers and to and goods utilised Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification full tin a change to the public liability investment. | Temporary increase in demand will emporary nature of exploration. No Low Low or ranking the public sector revenue or for rehabilitation. Investment in nited long term negative economic |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking | Yes Economic Impacts: Any impacts that result Activities not of a scale to warrant changes result in increased income for some supplie Negligible impacts likely due to low personr Generally positive for suppliers of services. Short term High High Resilience Yes Partly Yes Economic Impacts: Any impacts which resuexpenditure base. Rehabilitation security bond covers any futtexploration may lead to significant mining in impacts from exploration. Small increase in public revenue associated Short term | in supply side. irs. itel numbers and to and goods utilised. Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification full tin a change to the public liability investment. | Temporary increase in demand will emporary nature of exploration. No Low Low or ranking he public sector revenue or for rehabilitation. Investment in nited long term negative economic including taxes from wages. |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in | Yes Economic Impacts: Any impacts that result Activities not of a scale to warrant changes result in increased income for some supplie Negligible impacts likely due to low personr Generally positive for suppliers of services. Short term High High Resilience Yes Partly Yes Economic Impacts: Any impacts which resuexpenditure base. Rehabilitation security bond covers any futtexploration may lead to significant mining in impacts from exploration. Small increase in public revenue associated. | in supply side. irs. lel numbers and to and goods utilised. Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification full tin a change to the public liability investment. Line descriptions. | Temporary increase in demand will emporary nature of exploration. No Low Low or ranking the public sector revenue or for rehabilitation. Investment in nited long term negative economic |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking | Yes Economic Impacts: Any impacts that result Activities not of a scale to warrant changes result in increased income for some supplie Negligible impacts likely due to low personr Generally positive for suppliers of services. Short term High High Resilience Yes Partly Yes Economic Impacts: Any impacts which resuexpenditure base. Rehabilitation security bond covers any futtexploration may lead to significant mining in impacts from exploration. Small increase in public revenue associated Short term | in supply side. irs. lel numbers and to and goods utilised. Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification full tin a change to to the public liability for the public liabi | Temporary increase in demand will emporary nature of exploration. No Low Low or ranking he public sector revenue or for rehabilitation. Investment in nited long term negative economic including taxes from wages. |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in | Yes Economic Impacts: Any impacts that result Activities not of a scale to warrant changes result in increased income for some supplie Negligible impacts likely due to low personr Generally positive for suppliers of services. Short term High High Resilience Yes Partly Yes Economic Impacts: Any impacts which resuexpenditure base. Rehabilitation security bond covers any futtexploration may lead to significant mining in impacts from exploration. Small increase in public revenue associated Short term | in supply side. irs. lel numbers and to and goods utilised. Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification fure public liability for the studies required on the studies required on | Temporary increase in demand will emporary nature of exploration. No Low Low or ranking he public sector revenue or for rehabilitation. Investment in nited long term negative economic including taxes from wages. |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in | Yes Economic Impacts: Any impacts that result Activities not of a scale to warrant changes result in increased income for some supplie Negligible impacts likely due to low personr Generally positive for suppliers of services. Short term High High Resilience Yes Partly Yes Economic Impacts: Any impacts which resuexpenditure base. Rehabilitation security bond covers any futtexploration may lead to significant mining in impacts from exploration. Small increase in public revenue associated Short term | in supply side. Irs. Itel numbers and to and goods utilised and goods required on impacts or and goods utilised and goods uti | Temporary increase in demand will emporary nature of exploration. No Low Low or ranking he public sector revenue or for rehabilitation. Investment in nited long term negative economic including taxes from wages. |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? | Yes Economic Impacts: Any impacts that result Activities not of a scale to warrant changes result in increased income for some supplie Negligible impacts likely due to low personr Generally positive for suppliers of services. Short term High High Resilience Yes Partly Yes Economic Impacts: Any impacts which resuexpenditure base. Rehabilitation security bond covers any futtexploration may lead to significant mining ir impacts from exploration. Small increase in public revenue associated Short term High | in supply side. Irs. Itel numbers and to and goods utilised and goods an | Temporary increase in demand will emporary nature of exploration. No Low Low or ranking he public sector revenue or for rehabilitation. Investment in nited long term negative economic including taxes from wages. |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to | Yes Economic Impacts: Any impacts that result Activities not of a scale to warrant changes result in increased income for some supplie Negligible impacts likely due to low personr Generally positive for suppliers of services. Short term High High Resilience Yes Partly Yes Economic Impacts: Any impacts which resuexpenditure base. Rehabilitation security bond covers any futtexploration may lead to significant mining in impacts from exploration. Small increase in public revenue associated Short term | in supply side. Irs. Itel numbers and to and goods utilised required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for a change to the public liability for the pub | Temporary increase in demand will emporary nature of exploration. No Low Low or ranking he public sector revenue or for rehabilitation. Investment in nited long term negative economic including taxes from wages. |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? | Yes Economic Impacts: Any impacts that result Activities not of a scale to warrant changes result in increased income for some supplie Negligible impacts likely due to low personr Generally positive for suppliers of services. Short term High High Resilience Yes Partly Yes Economic Impacts: Any impacts which resuexpenditure base. Rehabilitation security bond covers any futtexploration may lead to significant mining ir impacts from exploration. Small increase in public revenue associated Short term High | in supply side. Irs. Itel numbers and to and goods utilised and goods and | Temporary increase in demand will emporary nature of exploration. No Low Low or ranking he public sector revenue or for rehabilitation. Investment in nited long term negative economic including taxes from wages. |
| Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to | Yes Economic Impacts: Any impacts that result Activities not of a scale to warrant changes result in increased income for some supplie Negligible impacts likely due to low personr Generally positive for suppliers of services. Short term High High Resilience Yes Partly Yes Economic Impacts: Any impacts which resuexpenditure base. Rehabilitation security bond covers any futtexploration may lead to significant mining ir impacts from exploration. Small increase in public revenue associated Short term High | in supply side. Irs. Itel numbers and to and goods utilised required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for a change to the public liability for the pub | Temporary increase in demand will emporary nature of exploration. No Low Low or ranking he public sector revenue or for rehabilitation. Investment in nited long term negative economic including taxes from wages. |

| Can the impacts be reversed? | Yes | Ranking of potential significance | Low | | |
|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| Can the impects he mitigated? | No | Justification for | or ranking | | |
| Can the impacts be mitigated? Do the operations comply with standards, plans, policies? | No Yes | Justification fo | or ranking | | |
| Criteria | Heritage Impacts: Any impacts on a locality, heritage significance. | | e, building or archaeological relic of | | |
| Potential impacts | Damage to structures and sensitive features | | | | |
| | Limited potential to significantly impact on lo | | | | |
| | Short term noise, air quality and visual impa | cts. | | | |
| | Potential for temporary impact on aesthetics HERITAGE AHIMS search- no records found. Heritage- no records found. | of a locality. | | | |
| Proposed management controls | Activities must comply with CEA Location Remust comply with (Exploration Code of Pract commitment in the application (APO). Releve potential impacts on all aspects of the enviro (Aboriginal and Non-Indigenous heritage). With title conditions (Exploration Code of Practicable after completion of activity (included). | tice: Environment rant requirements onment (including All disturbed a ctice: Rehabilitat | tal Management) as per the sof this Code include minimising water, land, air), culture and heritage reas to be rehabilitated in accordance ion). Rehabilitation to occur as soon as | | |
| Duration | Short term | | | | |
| Application ranking | | | | | |
| What is the confidence in predicting impacts? | N/A | Are further studies required on impacts or mitigation? | No | | |
| How resilient is the environment to | High Resilience | What is the | Low | | |
| cope with impacts? | · | level of public | | | |
| Can the impacts be reversed? | Yes | concern? Ranking of | Low | | |
| can the impacts be reversed: | 165 | potential significance | Low | | |
| Can the impacts be mitigated? | Partly | Justification for | or ranking | | |
| Do the operations comply with standards, plans, policies? | Yes | | | | |
| Criteria | Aesthetic Impacts: Any impacts on the visua flaring of gas. | | | | |
| Potential impacts | Limited potential to significantly impact on vis | sual or scenic lar | ndscape. | | |
| | Short term noise, air quality and visual impa | | | | |
| | Potential for temporary impact on aesthetics | • | | | |
| | Lighting during night time operations and use amenity . | e of access frack | s by venicles at night may affect local | | |
| | The existing and continuing land use is low-compacted by the drilling operations. | | | | |
| Proposed management controls | impacted by the drilling operations. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include minimising potential impacts on all aspects of the environment (including water, land, air), culture and heritage (Aboriginal and Non-Indigenous heritage). All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any boreholes). | | | | |
| Duration | Short term | | | | |
| Application ranking | | | N | | |
| What is the confidence in predicting impacts? | High | Are further studies required on impacts or | No | | |
| How resilient is the environment to | High Resilience | mitigation? What is the | Low | | |
| cope with impacts? | | level of public | | | |

| Can the impacts be reversed? | N/A | Ranking of potential significance | Low |
|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Can the impacts be mitigated? | Fully | Justification for | or ranking |
| Do the operations comply with standards, plans, policies? | Yes | - Custilloution is | or running |
| Criteria | Aesthetic Impacts: Areas or items of high ae | sthetic or scenic | value. |
| Potential impacts | Limited potential to significantly impact on ac | sthetic or scenic | value. |
| | Short term noise, air quality and visual impac | ots. | |
| | Potential for temporary impact on aesthetics | of a locality. | |
| | Lighting during night time operations and use amenity . | e of access track | s by vehicles at night may affect local |
| | Exploration activities, including any removal | of vegetation and | d access track locations, may impact |
| | on visual amenity. The existing and continuing land use is low-continuing land use is low-continuing land use is low-continuing operations. | carrying-capacity | sheep grazing, which will not be |
| Proposed management controls | Short term impacts predominantly limited to | | Activities must comply with CEA |
| | Code of Practice: Rehabilitation). Rehabilitat activity (including sealing of any boreholes). | nt) as per the con minimising potent are and heritage consilitated in accord | tial impacts on all aspects of the (Aboriginal and Non-Indigenous ance with title conditions (Exploration |
| Duration | Short term | | |
| Application ranking | | | |
| What is the confidence in predicting impacts? | High | Are further studies | No |
| predicting impacts: | | required on | |
| | | impacts or | |
| | | mitigation? | |
| How resilient is the environment to cope with impacts? | High Resilience | What is the level of public | Low |
| Can the impacts be reversed? | Yes | concern? Ranking of | Low |
| oun the impacts be reversed: | 103 | potential significance | Low |
| Can the impacts be mitigated? | Partly | Justification for | or ranking |
| Do the operations comply with | Yes | | - · · · · · · · · · · · · · · · · · · · |
| standards, plans, policies? | | | |
| Criteria | Cultural Impacts: Any disturbance of the groutee). | und surface or ar | ny culturally modified trees (e.g. a scar |
| Potential impacts | Short term ground disturbance. | | |
| | Potential for temporary impact on aesthetics AHIMS search- no records found. | of a locality. | |
| Proposed management controls | Activities must comply with CEA Location Recannot occur on land declared an Aboriginal Activities must comply with (Exploration Cod commitment in the application (APO). Relev potential impacts on all aspects of the enviro (Aboriginal and Non-Indigenous heritage). | Place and activit e of Practice: En ant requirements nment (including | ies must not harm Aboriginal Objects. vironmental Management) as per the sof this Code include minimising water, land, air), culture and heritage reas to be rehabilitated in accordance |
| | with title conditions (Exploration Code of Pra practicable after completion of activity (include | ctice: Rehabilitat | |
| Duration | with title conditions (Exploration Code of Pra | ctice: Rehabilitat | |
| Application ranking | with title conditions (Exploration Code of Pra practicable after completion of activity (include Short term | ctice: Rehabilitat ding sealing of ar | ny boreholes). |
| Application ranking What is the confidence in | with title conditions (Exploration Code of Pra practicable after completion of activity (include | ctice: Rehabilitat ling sealing of ar Are further | |
| Application ranking | with title conditions (Exploration Code of Pra practicable after completion of activity (include Short term | ctice: Rehabilitat ding sealing of ar Are further studies required on impacts or | ny boreholes). |
| Application ranking What is the confidence in predicting impacts? | with title conditions (Exploration Code of Pra practicable after completion of activity (include Short term High | Are further studies required on impacts or mitigation? | ny boreholes). No |
| Application ranking What is the confidence in | with title conditions (Exploration Code of Pra practicable after completion of activity (include Short term | Are further studies required on impacts or mitigation? What is the level of public | ny boreholes). |
| Application ranking What is the confidence in predicting impacts? How resilient is the environment to | with title conditions (Exploration Code of Pra practicable after completion of activity (include Short term High | Are further studies required on impacts or mitigation? What is the level of | ny boreholes). No |

| Can the impacts be mitigated? | Fully | Justification f | or ranking |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Do the operations comply with | Yes | | |
| standards, plans, policies? Criteria | Cultural Impacts: Any impacts on known Abo | riginal objects o | r Aboriginal places |
| Potential impacts | Short term ground disturbance. | original objects of | Aboliginal places. |
| Potential impacts | Short term ground disturbance. | | |
| | Potential for impact on Aboriginal objects and | d places through | ground disturbance, excavations, |
| | vegetation clearing, etc. | | |
| Droposed management controls | AHIMS search- no records found. Activities must comply with CEA Location Re | actrictions Impac | at Threeholds and Critoria. Activities |
| Proposed management controls | cannot occur on land declared an Aboriginal | | |
| | Activities must comply with (Exploration Cod | | |
| | commitment in the application (APO). Relev | | |
| | potential impacts on all aspects of the enviro (Aboriginal and Non-Indigenous heritage). | , , | reas to be rehabilitated in accordance |
| | with title conditions (Exploration Code of Pra | | |
| | practicable after completion of activity (include | ding sealing of ar | ny boreholes). |
| Duration | Short term | | |
| Application ranking What is the confidence in | High | Are further | No |
| predicting impacts? | riigii | studies | NO |
| , | | required on | |
| | | impacts or | |
| How resilient is the environment to | High Resilience | mitigation? What is the | Medium |
| cope with impacts? | Tiigit Nesilietice | level of | Wedidiff |
| · | | public | |
| 0 - 1 th - 1 10 | W | concern? | L |
| Can the impacts be reversed? | Yes | Ranking of potential | Low |
| | | significance | |
| Can the impacts be mitigated? | Fully | Justification f | or ranking |
| Do the operations comply with | Yes | | |
| standards, plans, policies? Criteria | Cultural Impacts: Affects areas where the lar | l ndscane features | indicate the likely presence of |
| - Cintolia | Aboriginal objects. | raccapo reatarec | , maiotate the interpretation of |
| Potential impacts | Short term ground disturbance. | | |
| Proposed management controls | Potential for impact on Aboriginal objects and vegetation clearing, etc. AHIMS search- no records found. Activities must comply with CEA Location Recannot occur on land declared an Aboriginal Activities must comply with (Exploration Cod commitment in the application (APO). Relev potential impacts on all aspects of the enviro (Aboriginal and Non-Indigenous heritage). with title conditions (Exploration Code of Pra | estrictions, Impac Place and activi le of Practice: En vant requirements onment (including All disturbed a actice: Rehabilitat | ct Thresholds and Criteria. Activities ties must not harm Aboriginal Objects. vironmental Management) as per the s of this Code include minimising water, land, air), culture and heritage reas to be rehabilitated in accordance cion). Rehabilitation to occur as soon as |
| Duration | practicable after completion of activity (include Short term | unig sealing of al | ly borerioles). |
| Application ranking | | | |
| What is the confidence in predicting impacts? | High | Are further studies required on impacts or mitigation? | No |
| How resilient is the environment to cope with impacts? | High Resilience | What is the level of public concern? | Medium |
| Can the impacts be reversed? | Yes | Ranking of potential significance | Low |
| Can the impacts be mitigated? | Fully Yes | Justification f | or ranking |
| Do the operations comply with standards, plans, policies? | 100 | | |
| Criteria | Cultural Impacts: Affects areas subject to na | tive title claims, i | ndigenous land use agreements or |
| Potential imposts | joint management arrangements. Condition of exploration title/authority prohibition. | ita avaloration | any land or waters on which Native |
| Potential impacts | Title has not been extinguished, unless the p | | |
| | NOTE: Register of Native Claim | | |
| Proposed management controls | Condition of exploration title/authority prohib | | |
| | Title has not been extinguished, unless the p | | |

| Duration | Short term | | |
|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application ranking | | | |
| What is the confidence in | High | Are further | No |
| predicting impacts? | | studies | |
| | | required on | |
| | | impacts or | |
| | | mitigation? | |
| How resilient is the environment to | High Resilience | What is the | Low |
| cope with impacts? | | level of | |
| | | public | |
| | | concern? | |
| Can the impacts be reversed? | Yes | Ranking of | Low |
| | | potential | |
| | | significance | |
| Can the impacts be mitigated? | Fully | Justification for | or ranking |
| Do the operations comply with | Yes | | |
| standards, plans, policies? | | | |
| Criteria | Cultural Impacts: Impacts on Aboriginal com | munities or areas | s subject to land rights claims. |
| Potential impacts | Condition of exploration title/authority prohib | its exploration on | any land or waters on which Native |
| 1 Otential impacts | Title has not been extinguished, unless the | | |
| | The has not been extinguished, diffess the p | onor consent or tr | ie Millistel Has been obtained. |
| | Activities must comply with CEA Location Re | etrictione Impac | t Thresholds and Criteria Activities |
| | cannot occur on land declared an Aboriginal | | |
| | cannot occur on land declared an Aboriginal | riace and activit | les must not nami Abonginai Objects. |
| | Any impacts are short term and temperary | | |
| | Any impacts are short term and temporary. | | |
| | NOTE: Pogister of Notive Claim | | |
| | NOTE: Register of Native Claim | | |
| Duen and management controls | Condition of composition title / contraction to | :4 | and land an order an order b Native |
| Proposed management controls | Condition of exploration title/authority prohib | | |
| | Title has not been extinguished, unless the p | | |
| | Activities must comply with CEA Location Re | | |
| | cannot occur on land declared an Aboriginal | Place and activit | lies must not harm Aboriginal Objects. |
| Duration | Short term | | |
| Application ranking | | | |
| What is the confidence in | High | Are further | No |
| predicting impacts? | | studies | |
| | | required on | |
| | | impacts or | |
| | | mitigation? | |
| How resilient is the environment to | High Resilience | What is the | Low |
| cope with impacts? | | level of | |
| | | public | |
| | | concern? | |
| Can the impacts be reversed? | Yes | Ranking of | Low |
| | | potential | |
| | | significance | |
| Can the impacts be mitigated? | Fully | Justification for | or ranking |
| Do the operations comply with | Yes | | - |
| standards, plans, policies? | | | |
| Criteria | Cultural Impacts: Impacts on areas or items | of high anthropol | ogical archaeological architectural |
| | cultural, heritage, historical, recreational or s | | ogioai, aromaconogioai, aromicotarai, |
| Potential impacts | Short term and temporary impacts only. | oloriumo valao. | |
| 1 Otential impacts | HERITAGE- no records found. | | |
| | | | |
| | | | |
| | AHIMS search- no records found. | | |
| Dranged management controls | AHIMS search- no records found. | potriotiono Impo | t Thresholds and Critoria Activities |
| Proposed management controls | AHIMS search- no records found. Activities must comply with CEA Location Re | | |
| Proposed management controls | AHIMS search- no records found. Activities must comply with CEA Location Remust comply with (Exploration Code of Practice) | tice: Environment | tal Management) as per the |
| Proposed management controls | AHIMS search- no records found. Activities must comply with CEA Location Remust comply with (Exploration Code of Practicommitment in the application (APO). Relev | tice: Environment ant requirements | tal Management) as per the sof this Code include minimising |
| Proposed management controls | AHIMS search- no records found. Activities must comply with CEA Location Remust comply with (Exploration Code of Practicommitment in the application (APO). Relevant commitment in the application (APO) and the environment | tice: Environment ant requirements onment (including | tal Management) as per the sof this Code include minimising water, land, air), culture and heritage |
| Proposed management controls | AHIMS search- no records found. Activities must comply with CEA Location Remust comply with (Exploration Code of Practice Commitment in the application (APO). Relevant impacts on all aspects of the environment (Aboriginal and Non-Indigenous heritage). A | tice: Environment vant requirements onment (including boriginal or Euro | tal Management) as per the softhis Code include minimising water, land, air), culture and heritage pean heritage objects/items/areas to |
| Proposed management controls | AHIMS search- no records found. Activities must comply with CEA Location Remust comply with (Exploration Code of Practice Commitment in the application (APO). Relevant impacts on all aspects of the environment (Aboriginal and Non-Indigenous heritage). Abe demarcated and avoided. All disturbed | tice: Environment vant requirements onment (including boriginal or Euro d areas to be reh | tal Management) as per the softhis Code include minimising water, land, air), culture and heritage pean heritage objects/items/areas to nabilitated in accordance with title |
| Proposed management controls | AHIMS search- no records found. Activities must comply with CEA Location Remust comply with (Exploration Code of Practice Commitment in the application (APO). Relevant potential impacts on all aspects of the environment | tice: Environment vant requirements onment (including boriginal or Euro ed areas to be reh chabilitation). Reh | tal Management) as per the softhis Code include minimising water, land, air), culture and heritage pean heritage objects/items/areas to habilitated in accordance with title habilitation to occur as soon as |
| · • | AHIMS search- no records found. Activities must comply with CEA Location Remust comply with (Exploration Code of Practice Commitment in the application (APO). Relevant potential impacts on all aspects of the environ (Aboriginal and Non-Indigenous heritage). A be demarcated and avoided. All disturbed conditions (Exploration Code of Practice: Repracticable after completion of activity (included). | tice: Environment vant requirements onment (including boriginal or Euro ed areas to be reh chabilitation). Reh | tal Management) as per the softhis Code include minimising water, land, air), culture and heritage pean heritage objects/items/areas to habilitated in accordance with title habilitation to occur as soon as |
| Duration | AHIMS search- no records found. Activities must comply with CEA Location Remust comply with (Exploration Code of Practice Commitment in the application (APO). Relevant potential impacts on all aspects of the environment | tice: Environment vant requirements onment (including boriginal or Euro ed areas to be reh chabilitation). Reh | tal Management) as per the softhis Code include minimising water, land, air), culture and heritage pean heritage objects/items/areas to habilitated in accordance with title habilitation to occur as soon as |
| Duration Application ranking | AHIMS search- no records found. Activities must comply with CEA Location Remust comply with (Exploration Code of Practicommitment in the application (APO). Relev potential impacts on all aspects of the enviro (Aboriginal and Non-Indigenous heritage). A be demarcated and avoided. All disturbe conditions (Exploration Code of Practice: Repracticable after completion of activity (including). | tice: Environment yant requirements onment (including boriginal or Euro d areas to be reh habilitation). Reh ding sealing of ar | tal Management) as per the sof this Code include minimising water, land, air), culture and heritage pean heritage objects/items/areas to pabilitated in accordance with title pabilitation to occur as soon as my boreholes). |
| Duration Application ranking What is the confidence in | AHIMS search- no records found. Activities must comply with CEA Location Remust comply with (Exploration Code of Practice Commitment in the application (APO). Relevant potential impacts on all aspects of the environ (Aboriginal and Non-Indigenous heritage). A be demarcated and avoided. All disturbed conditions (Exploration Code of Practice: Repracticable after completion of activity (included). | tice: Environment vant requirements onment (including boriginal or Euro d areas to be reh habilitation). Reh ding sealing of ar | tal Management) as per the sof this Code include minimising water, land, air), culture and heritage pean heritage objects/items/areas to pabilitated in accordance with title pabilitation to occur as soon as |
| Duration Application ranking | AHIMS search- no records found. Activities must comply with CEA Location Remust comply with (Exploration Code of Practicommitment in the application (APO). Relev potential impacts on all aspects of the enviro (Aboriginal and Non-Indigenous heritage). A be demarcated and avoided. All disturbe conditions (Exploration Code of Practice: Repracticable after completion of activity (including). | tice: Environment yant requirements onment (including boriginal or Euro d areas to be reh habilitation). Reh ding sealing of ar | tal Management) as per the sof this Code include minimising water, land, air), culture and heritage pean heritage objects/items/areas to nabilitated in accordance with title nabilitation to occur as soon as my boreholes). |
| Duration Application ranking What is the confidence in | AHIMS search- no records found. Activities must comply with CEA Location Remust comply with (Exploration Code of Practicommitment in the application (APO). Relev potential impacts on all aspects of the enviro (Aboriginal and Non-Indigenous heritage). A be demarcated and avoided. All disturbe conditions (Exploration Code of Practice: Repracticable after completion of activity (including). | tice: Environment vant requirements onment (including boriginal or Euro d areas to be reh habilitation). Reh ding sealing of ar | tal Management) as per the sof this Code include minimising water, land, air), culture and heritage pean heritage objects/items/areas to nabilitated in accordance with title nabilitation to occur as soon as my boreholes). |
| Duration Application ranking What is the confidence in | AHIMS search- no records found. Activities must comply with CEA Location Remust comply with (Exploration Code of Practicommitment in the application (APO). Relev potential impacts on all aspects of the enviro (Aboriginal and Non-Indigenous heritage). A be demarcated and avoided. All disturbe conditions (Exploration Code of Practice: Repracticable after completion of activity (including). | tice: Environment vant requirements onment (including boriginal or Euro od areas to be ref- shabilitation). Reh ding sealing of ar Are further studies | tal Management) as per the sof this Code include minimising water, land, air), culture and heritage pean heritage objects/items/areas to nabilitated in accordance with title nabilitation to occur as soon as my boreholes). |
| Duration Application ranking What is the confidence in | AHIMS search- no records found. Activities must comply with CEA Location Remust comply with (Exploration Code of Practicommitment in the application (APO). Relev potential impacts on all aspects of the enviro (Aboriginal and Non-Indigenous heritage). A be demarcated and avoided. All disturbe conditions (Exploration Code of Practice: Repracticable after completion of activity (including). | tice: Environment vant requirements onment (including boriginal or Euro od areas to be ref- chabilitation). Reh ding sealing of ar Are further studies required on | tal Management) as per the sof this Code include minimising water, land, air), culture and heritage pean heritage objects/items/areas to nabilitated in accordance with title nabilitation to occur as soon as my boreholes). |
| Duration Application ranking What is the confidence in | AHIMS search- no records found. Activities must comply with CEA Location Remust comply with (Exploration Code of Practicommitment in the application (APO). Relev potential impacts on all aspects of the enviro (Aboriginal and Non-Indigenous heritage). A be demarcated and avoided. All disturbe conditions (Exploration Code of Practice: Repracticable after completion of activity (including). | tice: Environment vant requirements onment (including boriginal or Euro d areas to be ref- chabilitation). Ref- ding sealing of ar Are further studies required on impacts or | tal Management) as per the sof this Code include minimising water, land, air), culture and heritage pean heritage objects/items/areas to nabilitated in accordance with title nabilitation to occur as soon as my boreholes). |
| Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to | AHIMS search- no records found. Activities must comply with CEA Location Remust comply with (Exploration Code of Practicommitment in the application (APO). Relev potential impacts on all aspects of the enviro (Aboriginal and Non-Indigenous heritage). A be demarcated and avoided. All disturbed conditions (Exploration Code of Practice: Repracticable after completion of activity (including). High | care transfer of the state of t | tal Management) as per the sof this Code include minimising water, land, air), culture and heritage pean heritage objects/items/areas to nabilitated in accordance with title nabilitation to occur as soon as my boreholes). |
| Duration Application ranking What is the confidence in predicting impacts? | AHIMS search- no records found. Activities must comply with CEA Location Remust comply with (Exploration Code of Practicommitment in the application (APO). Relev potential impacts on all aspects of the enviro (Aboriginal and Non-Indigenous heritage). A be demarcated and avoided. All disturbed conditions (Exploration Code of Practice: Repracticable after completion of activity (including). High | care impacts or mitigation? Are further studies required on impacts or mitigation? What is the level of | tal Management) as per the sof this Code include minimising water, land, air), culture and heritage pean heritage objects/items/areas to habilitated in accordance with title habilitation to occur as soon as my boreholes). |
| Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to | AHIMS search- no records found. Activities must comply with CEA Location Remust comply with (Exploration Code of Practicommitment in the application (APO). Relev potential impacts on all aspects of the enviro (Aboriginal and Non-Indigenous heritage). A be demarcated and avoided. All disturbed conditions (Exploration Code of Practice: Repracticable after completion of activity (including). High | care transfer of the state of t | al Management) as per the sof this Code include minimising water, land, air), culture and heritage pean heritage objects/items/areas to habilitated in accordance with title habilitation to occur as soon as my boreholes). |

| Can the impacts be reversed? | N/A | Ranking of potential significance | Low |
|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Can the impacts be mitigated? | Fully | Justification f | or ranking |
| Do the operations comply with | Yes | Justilication | or ranking |
| standards, plans, policies? | 103 | | |
| Criteria | Land Use Impacts: Any major changes in lar uses. | nd use, including | curtailment of other beneficial land |
| Potential impacts | Limited potential for any major changes in la exploration. | nd use due to sh | ort term and temporary nature of |
| | Negligible impacts and limited to immediate | vicinity of site. | |
| | Areas used for exploration activities, temporal impacts (e.g. temporary impacts on production | | |
| | Vegetation removal may remove potential tir | nber resources. | |
| | REHAB: Sealing of DH at 40 cm below surfa | ace with commer | cial cap. Following receipt of any |
| | assays, return to site, to carry out any follow | | |
| | contractor, for suitable dumping or for flood i | | |
| Proposed management controls | (Exploration Code of Practice: Rehabilitation completion of activity. Legislative require | ds and Criteria. al Management) a o be rehabilitated). Rehabilitation | Activities must comply with as per the commitment in the din accordance with title conditions |
| Demotion | compensation limit any potential impacts. | | |
| Duration | Short term | | |
| Application ranking | | A 6 () | Lau |
| What is the confidence in | High | Are further | No |
| predicting impacts? | | studies | |
| | | required on | |
| | | impacts or | |
| | | mitigation? | |
| How resilient is the environment to | High Resilience | What is the | Low |
| cope with impacts? | | level of | |
| | | public | |
| | | concern? | |
| Can the impacts be reversed? | Yes | Ranking of | Low |
| | | potential | |
| | | significance | |
| Can the impacts be mitigated? | No | Justification f | or ranking |
| Do the operations comply with | Yes | | |
| standards, plans, policies? | | | |
| Criteria | Transportation Impacts: Substantial impacts | on existing trans | sportation systems (road, rail, |
| | pedestrian) which alter present patterns of c | irculation or move | ement. |
| Potential impacts | Short term additional traffic during exploration | n activity, primar | ily during set-up/construction stage. |
| • | ACCESS | 371 | , , , , |
| | An existing well-used station property track p | passes 200m to t | he SW of the site, hence no track |
| | construction is required. | | |
| | | | |
| Proposed management controls | Short term additional traffic during exploration | n activity, primar | ily during set-up/construction stage. |
| | | | ent and any compensation. |
| Duration | Short term | | |
| Application ranking | | | |
| What is the confidence in | High | Are further | No |
| predicting impacts? | | studies | |
| promoting impacts | | required on | |
| | | impacts or | |
| | | mitigation? | |
| How resilient is the environment to | High Resilience | What is the | Low |
| cope with impacts? | 3 | level of | |
| | | | |
| | | public | |
| · | | public concern? | |
| | Yes | concern? | Low |
| Can the impacts be reversed? | Yes | concern? Ranking of | Low |
| | Yes | concern? Ranking of potential | Low |
| Can the impacts be reversed? | | concern? Ranking of potential significance | |
| Can the impacts be reversed? Can the impacts be mitigated? | Fully | concern? Ranking of potential | |
| Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with | | concern? Ranking of potential significance | |
| Can the impacts be reversed? Can the impacts be mitigated? | Fully | concern? Ranking of potential significance Justification f | or ranking |

| B 4 4111 4 | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Potential impacts | Short term additional traffic during exploration ACCESS An existing well-used station property track property construction is required. | | |
| Proposed management controls | Short term additional traffic during exploration Limited to immediate site. Subject to late | | ily during set-up/construction stage. ent and any compensation. |
| Duration | Short term | | |
| Application ranking | | | |
| What is the confidence in predicting impacts? | High | Are further studies required on impacts or mitigation? | No |
| How resilient is the environment to cope with impacts? | High Resilience | What is the level of public concern? | Low |
| Can the impacts be reversed? | Yes | Ranking of potential significance | Low |
| Can the impacts be mitigated? | Fully | Justification f | or ranking |
| Do the operations comply with | Yes | | |
| standards, plans, policies? | 0 | | As a second of the second of t |
| Criteria | Consistency with applicable local strategic p strategic plans. | | nts, regional strategic plans or district |
| Proposed management controls | Temporary and short term impact on the lan Exploration comprises development that doe | | |
| | associated local, regional and district plans. local strategic planning statements, regional impacts likely and limited to immediate site or relevant legislation, including Mining Act 198 landholder agreement and any compensatio accordance with title conditions (Exploration occur as soon as practicable after completio | strategic plans of the activity. 02 and Petroleum n. All disturbe Code of Practice | or district strategic plans. Minimal Impacts are compensable under Information (Onshore) Act 1991. Subject to ed areas to be rehabilitated in Expension (Expension). Rehabilitation to |
| Duration | Short term - until land is rehabilitated. | | |
| Application ranking | | | |
| What is the confidence in | High | Are further studies | No |
| predicting impacts? | | required on impacts or | |
| How resilient is the environment to cope with impacts? | High Resilience | required on | Low |
| How resilient is the environment to | Uncertain | required on impacts or mitigation? What is the level of public concern? Ranking of potential significance | Low |
| How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? | Uncertain | required on impacts or mitigation? What is the level of public concern? Ranking of potential | Low |
| How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with | Uncertain | required on impacts or mitigation? What is the level of public concern? Ranking of potential significance | Low |
| How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? | Uncertain | required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification f | Low or ranking MNES under the Commonwealth |
| How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts | Fully Yes Matters of National Environmental Significar Environmental Protection and Biodiversity C N/A as activities must comply with CEA Loca THREATENED SPECIES On an April 2024 visit to the area, it was obsto native birds, and no other observable living of SEED search showed: Threatened Olive Pe According to SEED portal, threatened Olive location, and, with a small ephemeral creek Currently, there is no creek or other drainage "Olive-Perchlet distribution in NSW.jpg" sugge River, which is 1.5 km south of the CH3 drill such as Olive Perchlets might possibly be for site, and this will not be disturbed. | required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ce: Impacts on Monservation Activation Restrictions derived that there creatures at ground rehet Perchet has bee or drainage passe in the vicinity of gests that the olivisite. Otherwise, | In mapped close to the drill hole ing near the drill site. The attached map the perchlet may be found in the Bogan the only permanent water where fish |
| How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls | Fully Yes Matters of National Environmental Significar Environmental Protection and Biodiversity C N/A as activities must comply with CEA Loca THREATENED SPECIES On an April 2024 visit to the area, it was obstaive birds, and no other observable living of SEED search showed: Threatened Olive Pe According to SEED portal, threatened Olive location, and, with a small ephemeral creek Currently, there is no creek or other drainage "Olive-Perchlet distribution in NSW.jpg" sugg. River, which is 1.5 km south of the CH3 drill such as Olive Perchlets might possibly be for site, and this will not be disturbed. N/A | required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ce: Impacts on Monservation Activation Restrictions derived that there creatures at ground rehet Perchet has bee or drainage passe in the vicinity of gests that the olivisite. Otherwise, | In mapped close to the drill hole ing near the drill site. The attached map re perchlet may be found in the Bogan the only permanent water where fish |
| How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts | Fully Yes Matters of National Environmental Significar Environmental Protection and Biodiversity C N/A as activities must comply with CEA Loca THREATENED SPECIES On an April 2024 visit to the area, it was obsto native birds, and no other observable living of SEED search showed: Threatened Olive Pe According to SEED portal, threatened Olive location, and, with a small ephemeral creek Currently, there is no creek or other drainage "Olive-Perchlet distribution in NSW.jpg" sugge River, which is 1.5 km south of the CH3 drill such as Olive Perchlets might possibly be for site, and this will not be disturbed. | required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ce: Impacts on Monservation Activation Restrictions derived that there creatures at ground rehet Perchet has bee or drainage passe in the vicinity of gests that the olivisite. Otherwise, | In mapped close to the drill hole ing near the drill site. The attached map re perchlet may be found in the Bogan the only permanent water where fish |

| What is the confidence in predicting impacts? | N/A | Are further studies required on impacts or mitigation? | N/A |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| How resilient is the environment to cope with impacts? | N/A | What is the level of public concern? | Low |
| Can the impacts be reversed? | N/A | Ranking of potential significance | |
| Can the impacts be mitigated? | N/A | Justification for ranking | |
| Do the operations comply with standards, plans, policies? | N/A | - Canada | |
| Criteria | Cumulative Impacts: Cumulative environmental effects with other existing or likely future activities. | | |
| Potential impacts | Only short term and temporary impacts. No significant additional impacts on the environment from past, current and relevant future projects. | | |
| | | | |
| Proposed management controls | PROPOSED PROJECT 1 RC hole. Proposed disturbance: 900sqm. No earthworks nor clearing required for RC drilling at this site. Commitment to return to pre-existing landuse. The licencee will contain all drill cuttings, fluids and ground water returned to the surface as part of the drilling process in above-ground sump tanks or in-ground sumps pending recirculation of disposal. In-ground sumps will be lined with impermeable barrier where there is a potential risk of contamination from drill cuttings or fluids. Land subject to inundation and flooding (refer to 2022 floods) observed in exploration area. REHAB: Sealing of DH at 40 cm below surface with commercial cap. Following receipt of any assays, return to site, to carry out any follow-up sampling, and removal of bags of cuttings by a contractor, for suitable dumping or for flood mitigation. Final clean-up by hand shoveling. LANDUSE The existing and continuing land use is low-carrying-capacity sheep grazing, which will not be impacted by the drilling operations. Short term impacts predominantly limited to immediate site. Subject to landholder agreement and any compensation. Activities must comply with CEA Location Restrictions, Impact Thresholds and Criteria. Activities must comply with (Exploration Code of Practice: Environmental Management) as per the commitment in the application (APO). Relevant requirements of this Code include minimising all impacts on the environment. All disturbed areas to be rehabilitated in accordance with title conditions (Exploration Code of Practice: Rehabilitation). | | |
| | Rehabilitation to occur as soon as practicable after completion of activity (including sealing of any boreholes). | | |
| Duration | Short term | | |
| Application ranking | Onort tollii | | |
| What is the confidence in predicting impacts? | High | Are further studies required on impacts or mitigation? | No |
| How resilient is the environment to cope with impacts? | High Resilience | What is the level of public concern? | Low |
| Can the impacts be reversed? | Yes | Ranking of potential significance | Low |
| Can the impacts be mitigated? | Fully | Justification f | or ranking |
| Do the operations comply with standards, plans, policies? | Yes | | |

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

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