

Tuesday 16 April 2024

Assessable Prospecting Operation Application Decision Briefing and Review of Environmental Factors

Longstowe | APO0001691

Decision Maker	Monique Meyer
Prepared by	Jenifa Richards
Title	EL 9622 (1992)
Authorised Representative	
Project name	Longstowe
Activity type	Non-Complying Exploration Activity

Issue

has sought an activity approval in respect of Longstowe, within EL 9622 (1992), at approximately 500m west of The Willows, NSW.

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

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

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

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

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

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

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

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

Background

This exploration activity approval is being sought under EL 9622 (granted 05 Dec 2023 & expires 05 Dec 2029) to undertake assessable prospecting operations.

The current security deposit held for EL 9622 is \$10,000.

There are no other activity applications granted for this title.

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

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

No alternatives options to the proposed activity were considered.

Security

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

Refer to RCE Record RCE0001774

Assessment of Impacts (Non-complying exploration activity)

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

The assessment 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.

Additional terms (if approved)

No additional terms are required.

Summary

Based on the information provided in the APPLICATION TO UNDERTAKE ASSESSABLE PROSPECTING OPERATIONS Longstowe 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, Jenifa Richards, certify that I have reviewed and endorsed the contents of the attached Review of Environmental Factors document and, to the best of my knowledge, it is in accordance with the *Environmental Planning and Assessment Act 1979*, the Environmental Planning and Assessment Regulation 2021 and the Guidelines approved under clause 170 of the EP&A Regulation, and the information it contains is neither false nor misleading.

Recommendation

The Decision Maker, under delegation from the Minister:

- Assesses the environmental impact of Longstowe 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*.

Criteria	Air Impacts: Air quality impacts (including impac	ts on nearby sensit	ive receptors).	
Potential impacts	Air impacts from the proposed program are neg	ligible.		
	Longstowe_01 is 550m northwest of Longstowe	Longstowe_01 is 550m northwest of Longstowe Homestead, Longstowe_02 is 1.3km south, and		
	Longstowe_03 is 2.3km north. Drilling will not o	ccur within 500m o	f houses. As mud rotary and diamond	
	drilling does not produce significant dust the im	pact to the recepto	r is predicted to be negligible.	
	All vehicles will be in good working order and no	ot releasing excess e	exhaust fumes.	
	No new tracks are being created.			
Proposed management controls	Drilling will not occur within 500m of sensitive r	eceptors.		
	Vehicles will travel slowly along all farm tracks t	o minimise travellin	ng dust.	
	Vehicles will be well maintained to minimise exe	cessive exhaust fum	les.	
	Landholder consultation throughout the whole	program to ensure	best and appropriate practices are being	
	maintained.			
Duration	21			
Application ranking	Positive			
What is the confidence in predicting	High	Are further	No	
impacts?		studies		
		required on		
		impacts or		
		mitigation?		

Review of Environmental Factors document

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 ra	anking
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Air Impacts: Greenhouse or ozone impacts.		
Potential impacts	Air impacts from the proposed program are neg Longstowe_01 is 550m northwest of Longstowe Longstowe_03 is 2.3km north. Drilling will not o drilling does not produce significant dust the im All vehicles will be in good working order and no No new tracks are being created.	Homestead, Longs ccur within 500m o pact to the recepto	f houses. As mud rotary and diamond r is predicted to be negligible.
Proposed management controls	Drilling will not occur within 500m of sensitive r Vehicles will travel slowly along all farm tracks t Vehicles will be well maintained to minimise exi Landholder consultation throughout the whole maintained.	o minimise travellin cessive exhaust fum	es.
Duration	21		
Application ranking	Positive		
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No
How resilient is the environment to	High Resilience	What is the	Low
cope with impacts?		level of public concern?	
Can the impacts be reversed?	Yes	Ranking of potential significance	Low
Can the impacts be mitigated?	Fully	Justification for ra	anking
Do the operations comply with standards, plans, policies?	Yes		~~~~
Criteria	Air Impacts: Additional impacts on areas with de	agraded air quality	
Potential impacts	Air impacts from the proposed program are neg Longstowe_01 is 550m northwest of Longstowe Longstowe_03 is 2.3km north. Drilling will not o drilling does not produce significant dust the im All vehicles will be in good working order and no No new tracks are being created.	ligible. Homestead, Longs ccur within 500m o pact to the recepto	f houses. As mud rotary and diamond r is predicted to be negligible.
Proposed management controls	Drilling will not occur within 500m of sensitive r Vehicles will travel slowly along all farm tracks t		a dust
	Vehicles will be well maintained to minimise exo Landholder consultation throughout the whole maintained.	cessive exhaust fum program to ensure	es. best and appropriate practices are being
Duration	Vehicles will be well maintained to minimise exit Landholder consultation throughout the whole maintained. TOPOGRAPHY is fairly flat landscape - reduces c	cessive exhaust fum program to ensure	es. best and appropriate practices are being
Duration	Vehicles will be well maintained to minimise exe Landholder consultation throughout the whole maintained. TOPOGRAPHY is fairly flat landscape - reduces c 21	cessive exhaust fum program to ensure	es. best and appropriate practices are being
Application ranking	Vehicles will be well maintained to minimise exc Landholder consultation throughout the whole maintained. TOPOGRAPHY is fairly flat landscape - reduces c 21 Positive	cessive exhaust fum program to ensure hanges of trapping	es. best and appropriate practices are being air of lower quality.
Application ranking What is the confidence in predicting impacts?	Vehicles will be well maintained to minimise exc Landholder consultation throughout the whole maintained. TOPOGRAPHY is fairly flat landscape - reduces c 21 Positive High	Are further studies required on mitigation?	es. best and appropriate practices are being air of lower quality. No
Application ranking What is the confidence in predicting	Vehicles will be well maintained to minimise exc Landholder consultation throughout the whole maintained. TOPOGRAPHY is fairly flat landscape - reduces c 21 Positive	Are further studies required on impacts or mitigation? What is the level of public	es. best and appropriate practices are being air of lower quality.
Application ranking What is the confidence in predicting impacts? How resilient is the environment to	Vehicles will be well maintained to minimise exc Landholder consultation throughout the whole maintained. TOPOGRAPHY is fairly flat landscape - reduces c 21 Positive High	Are further studies required on impacts or What is the	es. best and appropriate practices are being air of lower quality. No
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	Vehicles will be well maintained to minimise exc Landholder consultation throughout the whole maintained. TOPOGRAPHY is fairly flat landscape - reduces c 21 Positive High High Resilience	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	es. best and appropriate practices are being air of lower quality. No Low
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed?	Vehicles will be well maintained to minimise exc Landholder consultation throughout the whole maintained. TOPOGRAPHY is fairly flat landscape - reduces of 21 Positive High High Resilience Yes	cessive exhaust fum program to ensure hanges of trapping Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra	es. best and appropriate practices are being air of lower quality. No Low

Potential impacts	The program is not expected to impact groundw water is contained in the same strata and not or The program is not expected to have an impact Wambuul/Macquarie River located 2km east of Wambuul/Macquarie River as the method of dr and there will be no ancillary water stored on si the approval area is within the Macquarie Mars	ross to different war on surface water. T the approval area. illing will ensure tha te. All proposed act hes Wetland.	ter bearing strata. The nearest watercourse is Drilling is not expected to impact is at all ground water remains in the ground, ivities will be completed in dry season as
Proposed management controls	Drilling will not be undertaken during extreme v Groundwater is not expected to cause concern concerns. AIS Response: Anticipated that water will be gen landholder.	as areas close by ha	we been drilled previously with no
Duration	21		
Application ranking	Positive		
What is the confidence in predicting impacts?	N/A	Are further studies required on impacts or	No
How resilient is the environment to cope with impacts?	Medium Resilience	mitigation? What is the level of public	Low
Can the impacts be reversed?	Uncertain	concern? Ranking of potential	Low
Can the impacts he mitigated?	Partly	significance Justification for ra	anking
Can the impacts be mitigated? Do the operations comply with	Yes	Justification for n	anking
standards, plans, policies?	165		
Criteria	Water Impacts: Impacts from storage of water		
Potential impacts	The program is not expected to impact groundy	vator. Suitable drilli	ng mathada will be utilized to ansure that
Proposed management controls	Wambuul/Macquarie River located 2km east of Wambuul/Macquarie River as the method of dr and there will be no ancillary water stored on si the approval area is within the Macquarie Mars Drilling will not be undertaken during extreme	illing will ensure that te. All proposed act hes Wetland.	at all ground water remains in the ground, ivities will be completed in dry season as
	Groundwater is not expected to cause concern concerns. Water required for drilling will be stored in above		
Duration	21		
Application ranking	Positive	Ang family	No
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No
How resilient is the environment to cope with impacts?	Medium Resilience	What is the level of public concern?	Low
Can the impacts be reversed?	Uncertain	Ranking of potential significance	Low
Can the impacts be mitigated?	Partly	Justification for ra	anking
Do the operations comply with	Yes		
standards, plans, policies? Criteria	Water Impacts: Impacts from changes to natura	 water bodies, wat	lands or rupoff patterns
Potential impacts	The program is not expected to impact groundw water is contained in the same strata and not or The program is not expected to have an impact Wambuul/Macquarie River located 2km east of Wambuul/Macquarie River as the method of dr and there will be no ancillary water stored on si the approval area is within the Macquarie Mars	vater. Suitable drilli ross to different war on surface water. T the approval area. illing will ensure tha te. All proposed act	ng methods will be utilised to ensure that ter bearing strata. The nearest watercourse is Drilling is not expected to impact is at all ground water remains in the ground,

Proposed management controls	Drilling will not be undertaken during extreme v Groundwater is not expected to cause concernation concerns.		
	Nationally Important Wetland 10km to East of c DCCEEW on Thursday 28 March 11.00 – ~12.00 completed by Australian Consolidated Gold Hole outcome confirming that there will not be a sign sufficient mitigating protocols are in place to en Drilling fluids managed in above ground tanks a Nearest named waterway is 2km to the East (M Swampland areas to be avoided.	(AEST). Outcome w dings (ACGH). ACGH nificant impact to th isure management of nd water trucks.	as that a self-assessment was to be I completed a self-assessment with the Ne Wetlands and Macquarie Marshes,
Duration	21		
Application ranking	Positive		
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No
How resilient is the environment to cope with impacts?	Medium Resilience	What is the level of public concern?	Low
Can the impacts be reversed?	Uncertain	Ranking of potential significance	Low
Can the impacts be mitigated?	Partly	Justification for ra	anking
Do the operations comply with standards, plans, policies?	Yes		
standards plans policios?	1		
	Water Impacts: Impacts from aquifer interference, including changes to inter-aquifer connectivity.		os to intor aquifor connectivity
Criteria Potential impacts	Water Impacts: Impacts from aquifer interferen The program is not expected to impact groundw water is contained in the same strata and not cr The program is not expected to have an impact	vater. Suitable drillin ross to different wat	ng methods will be utilised to ensure that ter bearing strata.
Criteria Potential impacts	The program is not expected to impact groundw water is contained in the same strata and not cr The program is not expected to have an impact Wambuul/Macquarie River located 2km east of Wambuul/Macquarie River as the method of dr and there will be no ancillary water stored on si the approval area is within the Macquarie Mars	vater. Suitable drillin ross to different wat on surface water. T the approval area. illing will ensure tha te. All proposed act hes Wetland.	ng methods will be utilised to ensure that ter bearing strata. he nearest watercourse is Drilling is not expected to impact is at all ground water remains in the ground ivities will be completed in dry season as
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Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to	The program is not expected to impact groundw water is contained in the same strata and not or The program is not expected to have an impact Wambuul/Macquarie River located 2km east of Wambuul/Macquarie River as the method of dr and there will be no ancillary water stored on si the approval area is within the Macquarie Mars Drilling will not be undertaken during extreme w Groundwater is not expected to cause concernation concerns. Nationally Important Wetland 10km to East of or DCCEEW on Thursday 28 March 11.00 – ~12.00 completed by Australian Consolidated Gold Hole outcome confirming that there will not be a sign sufficient mitigating protocols are in place to en Drilling fluids managed in above ground tanks a Rehabilitation of drill hole will cement from at low water crossing strata. 21 Positive High	vater. Suitable drillin ross to different wat on surface water. T the approval area. illing will ensure tha te. All proposed act hes Wetland. weather events and as areas close by ha drilling area. Pre-refi (AEST). Outcome w dings (ACGH). ACGH nificant impact to th sure management of nd water trucks. east 18m below sur Are further studies required on impacts or mitigation? What is the level of public	ng methods will be utilised to ensure that ter bearing strata. he nearest watercourse is Drilling is not expected to impact is at all ground water remains in the ground ivities will be completed in dry season as so surface water will not be affected. ve been drilled previously with no erral meeting held with Commonwealth as that a self-assessment was to be I completed a self-assessment with the ne Wetlands and Macquarie Marshes, of identified risks and sensitivities. face to 1m below surface to prevent No
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?	The program is not expected to impact groundw water is contained in the same strata and not or The program is not expected to have an impact Wambuul/Macquarie River located 2km east of Wambuul/Macquarie River as the method of dr and there will be no ancillary water stored on si the approval area is within the Macquarie Mars Drilling will not be undertaken during extreme v Groundwater is not expected to cause concernation concerns. Nationally Important Wetland 10km to East of or DCCEEW on Thursday 28 March 11.00 – ~12.00 completed by Australian Consolidated Gold Hole outcome confirming that there will not be a sign sufficient mitigating protocols are in place to en Drilling fluids managed in above ground tanks a Rehabilitation of drill hole will cement from at low water crossing strata. 21 Positive High Medium Resilience	vater. Suitable drillin ross to different wat on surface water. T the approval area. illing will ensure tha te. All proposed act hes Wetland. weather events and as areas close by ha drilling area. Pre-refi (AEST). Outcome w dings (ACGH). ACGH- nificant impact to th usure management of nd water trucks. east 18m below sur Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	ng methods will be utilised to ensure that ter bearing strata. he nearest watercourse is Drilling is not expected to impact is at all ground water remains in the ground ivities will be completed in dry season as so surface water will not be affected. ve been drilled previously with no erral meeting held with Commonwealth as that a self-assessment was to be to completed a self-assessment with the we Wetlands and Macquarie Marshes, of identified risks and sensitivities. face to 1m below surface to prevent No Low
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?	The program is not expected to impact groundw water is contained in the same strata and not or The program is not expected to have an impact Wambuul/Macquarie River located 2km east of Wambuul/Macquarie River as the method of dr and there will be no ancillary water stored on si the approval area is within the Macquarie Mars Drilling will not be undertaken during extreme v Groundwater is not expected to cause concernation concerns. Nationally Important Wetland 10km to East of or DCCEEW on Thursday 28 March 11.00 – ~12.00 completed by Australian Consolidated Gold Hole outcome confirming that there will not be a sign sufficient mitigating protocols are in place to en Drilling fluids managed in above ground tanks a Rehabilitation of drill hole will cement from at low water crossing strata. 21 Positive High Medium Resilience	vater. Suitable drillin ross to different wat on surface water. T the approval area. illing will ensure tha te. All proposed act hes Wetland. weather events and as areas close by ha drilling area. Pre-refe (AEST). Outcome w dings (ACGH). ACGH nificant impact to th isure management of nd water trucks. east 18m below sur Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra	ng methods will be utilised to ensure that ter bearing strata. he nearest watercourse is Drilling is not expected to impact is at all ground water remains in the ground ivities will be completed in dry season as so surface water will not be affected. ve been drilled previously with no erral meeting held with Commonwealth as that a self-assessment was to be to completed a self-assessment with the we Wetlands and Macquarie Marshes, of identified risks and sensitivities. face to 1m below surface to prevent No Low

Potential impacts	The program is not expected to impact	groundwater. Suitable drilli	ng methods will be utilised to ensure tha
	water is contained in the same strata a		
	The program is not expected to have a	n impact on surface water. T	he nearest watercourse is
	Wambuul/Macquarie River located 2kr	n east of the approval area.	Drilling is not expected to impact is
	Wambuul/Macquarie River as the met	nod of drilling will ensure the	at all ground water remains in the ground
	and there will be no ancillary water sto	red on site. All proposed act	tivities will be completed in dry season as
	the approval area is within the Macqua	rie Marshes Wetland.	
Proposed management controls	Drilling will not be undertaken during e		so surface water will not be affected.
	Groundwater is not expected to cause		
	concerns.		······································
	Sensitive swampland will be avoided.		
		ling	
a	Drilling not carried out in times of floor	ling.	
Duration	21		
Application ranking	Positive		
What is the confidence in predicting	High	Are further	No
impacts?		studies	
		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	Medium Resilience	What is the	Low
	Medium Resilience		LOW
cope with impacts?		level of public	
6		concern?	
Can the impacts be reversed?	Uncertain	Ranking of	Low
		potential	
		significance	
Can the impacts be mitigated?	Partly	Justification for r	anking
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Water Impacts: Impacts from changes	n surface or groundwater o	uality and quantity
Potential impacts		-	ng methods will be utilised to ensure tha
	water is contained in the same strata a		0
	The program is not expected to have a	n impact on surface water. T	he nearest watercourse is
	Wambuul/Macquarie River located 2kr	n east of the approval area.	Drilling is not expected to impact is
	Wambuul/Macquarie River as the met	nod of drilling will ensure the	at all ground water remains in the ground
		-	tivities will be completed in dry season as
	the approval area is within the Macqua		· · · · · · · · · · · · · · · · · · ·
Proposed management controls	Drilling will not be undertaken during e		so surface water will not be affected
roposed management controls	Groundwater is not expected to cause		
	concerns.	concern as areas close by ha	we been armed previously with no
	concerns.		
	Water not being taken from natural wa		
		v water stored on site - Sen	sitive swampland will be avoided - Drillin
	in dry season, not during wet condition	s - approval area includes N	lacquarie Marshes Wetland under the
		s - approval area includes N	lacquarie Marshes Wetland under the
	in dry season, not during wet condition Warren Local Environmental Plan 2012	s - approval area includes N , exempt development.	
	in dry season, not during wet conditior Warren Local Environmental Plan 2012 GW - drilling methods used to ensure v	s - approval area includes N , exempt development. vater retained in same strat:	a and does not cross into water bearing
	in dry season, not during wet condition Warren Local Environmental Plan 2012	s - approval area includes N , exempt development. vater retained in same strat:	a and does not cross into water bearing
Duration	in dry season, not during wet condition Warren Local Environmental Plan 2012 GW - drilling methods used to ensure w strata - One borehole in area, not antic	s - approval area includes N , exempt development. vater retained in same strat:	a and does not cross into water bearing
Duration	in dry season, not during wet condition Warren Local Environmental Plan 2012 GW - drilling methods used to ensure w strata - One borehole in area, not antic	s - approval area includes N , exempt development. vater retained in same strat:	a and does not cross into water bearing
Application ranking	in dry season, not during wet condition Warren Local Environmental Plan 2012 GW - drilling methods used to ensure w strata - One borehole in area, not antic 21 Positive	s - approval area includes M , exempt development. vater retained in same strati ipated to be impacted, man	a and does not cross into water bearing aged with drill methods.
Application ranking What is the confidence in predicting	in dry season, not during wet condition Warren Local Environmental Plan 2012 GW - drilling methods used to ensure w strata - One borehole in area, not antic	s - approval area includes M , exempt development. vater retained in same strati ipated to be impacted, man Are further	a and does not cross into water bearing
Application ranking	in dry season, not during wet condition Warren Local Environmental Plan 2012 GW - drilling methods used to ensure w strata - One borehole in area, not antic 21 Positive	s - approval area includes M , exempt development. vater retained in same strati ipated to be impacted, man Are further studies	a and does not cross into water bearing aged with drill methods.
Application ranking What is the confidence in predicting	in dry season, not during wet condition Warren Local Environmental Plan 2012 GW - drilling methods used to ensure w strata - One borehole in area, not antic 21 Positive	s - approval area includes M , exempt development. vater retained in same strati ipated to be impacted, man Are further studies required on	a and does not cross into water bearing aged with drill methods.
Application ranking What is the confidence in predicting	in dry season, not during wet condition Warren Local Environmental Plan 2012 GW - drilling methods used to ensure w strata - One borehole in area, not antic 21 Positive	s - approval area includes M , exempt development. vater retained in same strati ipated to be impacted, man Are further studies	a and does not cross into water bearing aged with drill methods.
Application ranking What is the confidence in predicting	in dry season, not during wet condition Warren Local Environmental Plan 2012 GW - drilling methods used to ensure w strata - One borehole in area, not antic 21 Positive	s - approval area includes M , exempt development. vater retained in same strati ipated to be impacted, man Are further studies required on	a and does not cross into water bearing aged with drill methods.
Application ranking What is the confidence in predicting	in dry season, not during wet condition Warren Local Environmental Plan 2012 GW - drilling methods used to ensure w strata - One borehole in area, not antic 21 Positive	s - approval area includes M , exempt development. vater retained in same strat. ipated to be impacted, man Are further studies required on impacts or	a and does not cross into water bearing aged with drill methods.
Application ranking What is the confidence in predicting impacts? How resilient is the environment to	in dry season, not during wet condition Warren Local Environmental Plan 2012 GW - drilling methods used to ensure w strata - One borehole in area, not antic 21 Positive High	s - approval area includes M , exempt development. vater retained in same strat. ipated to be impacted, man Are further studies required on impacts or mitigation?	a and does not cross into water bearing aged with drill methods.
Application ranking What is the confidence in predicting impacts?	in dry season, not during wet condition Warren Local Environmental Plan 2012 GW - drilling methods used to ensure w strata - One borehole in area, not antic 21 Positive High	s - approval area includes M , exempt development. vater retained in same strat. ipated to be impacted, man Are further studies required on impacts or mitigation? What is the level of public	a and does not cross into water bearing aged with drill methods.
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	in dry season, not during wet condition Warren Local Environmental Plan 2012 GW - drilling methods used to ensure w strata - One borehole in area, not antic 21 Positive High Medium Resilience	s - approval area includes M , exempt development. vater retained in same strat. ipated to be impacted, man Are further studies required on impacts or mitigation? What is the level of public concern?	a and does not cross into water bearing aged with drill methods.
Application ranking What is the confidence in predicting impacts? How resilient is the environment to	in dry season, not during wet condition Warren Local Environmental Plan 2012 GW - drilling methods used to ensure w strata - One borehole in area, not antic 21 Positive High	s - approval area includes M , exempt development. vater retained in same strat. ipated to be impacted, man Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of	a and does not cross into water bearing aged with drill methods.
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	in dry season, not during wet condition Warren Local Environmental Plan 2012 GW - drilling methods used to ensure w strata - One borehole in area, not antic 21 Positive High Medium Resilience	s - approval area includes M , exempt development. vater retained in same strat. ipated to be impacted, man Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	a and does not cross into water bearing aged with drill methods.
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed?	in dry season, not during wet condition Warren Local Environmental Plan 2012 GW - drilling methods used to ensure w strata - One borehole in area, not antic 21 Positive High Medium Resilience Uncertain	s - approval area includes M , exempt development. vater retained in same strat. ipated to be impacted, man Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	and does not cross into water bearing aged with drill methods.
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?	in dry season, not during wet condition Warren Local Environmental Plan 2012 GW - drilling methods used to ensure w strata - One borehole in area, not antic 21 Positive High Medium Resilience	s - approval area includes M , exempt development. vater retained in same strat. ipated to be impacted, man Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	and does not cross into water bearing aged with drill methods.
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed?	in dry season, not during wet condition Warren Local Environmental Plan 2012 GW - drilling methods used to ensure w strata - One borehole in area, not antic 21 Positive High Medium Resilience Uncertain	s - approval area includes M , exempt development. vater retained in same strat. ipated to be impacted, man Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	and does not cross into water bearing aged with drill methods.
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?	in dry season, not during wet condition Warren Local Environmental Plan 2012 GW - drilling methods used to ensure w strata - One borehole in area, not antic 21 Positive High Medium Resilience Uncertain Partly	s - approval area includes M , exempt development. vater retained in same strat. ipated to be impacted, man Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	and does not cross into water bearing aged with drill methods.
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	in dry season, not during wet condition Warren Local Environmental Plan 2012 GW - drilling methods used to ensure w strata - One borehole in area, not antic 21 Positive High Medium Resilience Uncertain Partly Yes	s - approval area includes M , exempt development. vater retained in same strat. ipated to be impacted, man Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	and does not cross into water bearing aged with drill methods. No Low Low anking
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	in dry season, not during wet condition Warren Local Environmental Plan 2012 GW - drilling methods used to ensure w strata - One borehole in area, not antic 21 Positive High Medium Resilience Uncertain Partly Yes Soil & Stability Impacts: Degradation of	s - approval area includes M , exempt development. vater retained in same strat. ipated to be impacted, man Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for r	and does not cross into water bearing aged with drill methods. No Low Low anking mination, salinisation or acidification).
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?	in dry season, not during wet condition Warren Local Environmental Plan 2012 GW - drilling methods used to ensure w strata - One borehole in area, not antic 21 Positive High Medium Resilience Uncertain Partly Yes Soil & Stability Impacts: Degradation of The effects of this small drilling program	s - approval area includes M , exempt development. vater retained in same strat. ipated to be impacted, man Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for r soil quality (including conta n within the area will not ca	a and does not cross into water bearing aged with drill methods.
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	in dry season, not during wet condition Warren Local Environmental Plan 2012 GW - drilling methods used to ensure w strata - One borehole in area, not antic 21 Positive High Medium Resilience Uncertain Partly Yes Soil & Stability Impacts: Degradation of	s - approval area includes M , exempt development. vater retained in same strat. ipated to be impacted, man Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for r soil quality (including conta n within the area will not ca	and does not cross into water bearing aged with drill methods.

Proposed management controls	There will be no vegetation clearing for this drill sites safe, should this be necessary care will be vegetation regrowth. Minimal surface disturbar tracks where possible, should soil compaction re ensure all ground is returned to existing state.	taken to ensure to lence to ensure minim	eave root stock to enable existing al impact to the soil. Utilising existing
	Salinity considered but water staying in ground		
Duration	21		
Application ranking	Positive		
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No
How resilient is the environment to cope with impacts?	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 for ra	anking
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Soil & Stability Impacts: Impacts on land with hi	gh agricultural capa	bility.
Potential impacts	The effects of this small drilling program within soil in this area. Existing tracks will be utilised w mitigate wind erosion issues.	the area will not ca	use soil erosion. There is no acid sulphate
	There will be no vegetation clearing for this drill sites safe, should this be necessary care will be vegetation regrowth. Minimal surface disturbar	taken to ensure to l	eave root stock to enable existing
	tracks where possible, should soil compaction re ensure all ground is returned to existing state. Land and soil capability 4 & 5 - to be treated as Currently used for agriculture. Consultation witl Land is not classed as high agricultural capabilit	sensitive agricultura h landholder.	then the landholder will manage and
Duration	ensure all ground is returned to existing state. Land and soil capability 4 & 5 - to be treated as Currently used for agriculture. Consultation with Land is not classed as high agricultural capability	sensitive agricultura h landholder.	then the landholder will manage and
Duration Application ranking	ensure all ground is returned to existing state. Land and soil capability 4 & 5 - to be treated as Currently used for agriculture. Consultation with Land is not classed as high agricultural capability 21	sensitive agricultura h landholder.	then the landholder will manage and
Duration Application ranking What is the confidence in predicting impacts?	ensure all ground is returned to existing state. Land and soil capability 4 & 5 - to be treated as Currently used for agriculture. Consultation with Land is not classed as high agricultural capability	sensitive agricultura h landholder.	then the landholder will manage and
Application ranking What is the confidence in predicting impacts?	ensure all ground is returned to existing state. Land and soil capability 4 & 5 - to be treated as Currently used for agriculture. Consultation witl Land is not classed as high agricultural capabilit 21 Positive High	sensitive agricultura h landholder. y. Are further studies required on impacts or mitigation?	then the landholder will manage and al area. No
Application ranking What is the confidence in predicting	ensure all ground is returned to existing state. Land and soil capability 4 & 5 - to be treated as Currently used for agriculture. Consultation with Land is not classed as high agricultural capability 21 Positive	sensitive agricultura h landholder. y. Are further studies required on impacts or	then the landholder will manage and al area.
Application ranking What is the confidence in predicting impacts? How resilient is the environment to	ensure all ground is returned to existing state. Land and soil capability 4 & 5 - to be treated as Currently used for agriculture. Consultation witl Land is not classed as high agricultural capabilit 21 Positive High	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	then the landholder will manage and al area. No Low
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	ensure all ground is returned to existing state. Land and soil capability 4 & 5 - to be treated as Currently used for agriculture. Consultation witl Land is not classed as high agricultural capabilit 21 Positive High	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	then the landholder will manage and al area. No Low
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed?	ensure all ground is returned to existing state. Land and soil capability 4 & 5 - to be treated as Currently used for agriculture. Consultation with Land is not classed as high agricultural capabilit 21 Positive High High Resilience	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	then the landholder will manage and al area. No Low
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with	ensure all ground is returned to existing state. Land and soil capability 4 & 5 - to be treated as Currently used for agriculture. Consultation with Land is not classed as high agricultural capabilit 21 Positive High High High Resilience Yes Fully	sensitive agricultura h landholder. y. Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra	then the landholder will manage and al area. No Low
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria	ensure all ground is returned to existing state. Land and soil capability 4 & 5 - to be treated as Currently used for agriculture. Consultation with Land is not classed as high agricultural capability 21 Positive High High High Resilience Yes Fully Yes Soil & Stability Impacts: Loss of soil from wind o	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra	then the landholder will manage and al area. No Low Low
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts	ensure all ground is returned to existing state. Land and soil capability 4 & 5 - to be treated as Currently used for agriculture. Consultation with Land is not classed as high agricultural capabilit 21 Positive High High High Resilience Yes Soil & Stability Impacts: Loss of soil from wind o The effects of this small drilling program within soil in this area. Existing tracks will be utilised w mitigate wind erosion issues.	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra r water erosion. the area will not can here possible. This a	then the landholder will manage and al area. No Low Low anking use soil erosion. There is no acid sulphate area has vegetation nearby which will
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	ensure all ground is returned to existing state. Land and soil capability 4 & 5 - to be treated as Currently used for agriculture. Consultation with Land is not classed as high agricultural capability 21 Positive High High High Resilience Yes Fully Yes Soil & Stability Impacts: Loss of soil from wind o The effects of this small drilling program within soil in this area. Existing tracks will be utilised w	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra r water erosion. the area will not can here possible. This a	then the landholder will manage and al area. No Low Low anking use soil erosion. There is no acid sulphate area has vegetation nearby which will earing of grass may be required to make eave root stock to enable existing al impact to the soil. Utilising existing
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	ensure all ground is returned to existing state. Land and soil capability 4 & 5 - to be treated as Currently used for agriculture. Consultation with Land is not classed as high agricultural capability 21 Positive High Yes Soil & Stability Impacts: Loss of soil from wind o The effects of this small drilling program within soil in this area. Existing tracks will be utilised w mitigate wind erosion issues. There will be no vegetation clearing for this drill sites safe, should this be necessary care will be vegetation regrowth. Minimal surface disturbar tracks where possible, should soil compaction regrowth	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra the area will not car here possible. This a program. Minor cle taken to ensure to la ce to ensure minime equire scarification	then the landholder will manage and al area. No Low Low anking use soil erosion. There is no acid sulphate area has vegetation nearby which will earing of grass may be required to make eave root stock to enable existing al impact to the soil. Utilising existing
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	 ensure all ground is returned to existing state. Land and soil capability 4 & 5 - to be treated as Currently used for agriculture. Consultation with Land is not classed as high agricultural capability 21 Positive High High Resilience Yes Soil & Stability Impacts: Loss of soil from wind on The effects of this small drilling program within soil in this area. Existing tracks will be utilised wind mitigate wind erosion issues. There will be no vegetation clearing for this drill sites safe, should this be necessary care will be vegetation regrowth. Minimal surface disturbar tracks where possible, should soil compaction re ensure all ground is returned to existing state. Wind erosion assessed in consultation with land 	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra the area will not car here possible. This a program. Minor cle taken to ensure to la ce to ensure minime equire scarification	then the landholder will manage and al area. No Low Low anking use soil erosion. There is no acid sulphate area has vegetation nearby which will earing of grass may be required to make eave root stock to enable existing al impact to the soil. Utilising existing

What is the confidence in predicting	High	Are further	No
impacts?		studies	
		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	Medium Resilience	What is the	Low
cope with impacts?		level of public	
		concern?	
Can the impacts be reversed?	Uncertain	Ranking of	Low
can the impacts be reversed.	oncertain	potential	2010
		significance	
Con the imposte he mitigated?	Death		
Can the impacts be mitigated?	Partly	Justification for ra	anking
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Soil & Stability Impacts: Loss of structural integr		
Potential impacts	The effects of this small drilling program within	the area will not ca	use soil erosion. There is no acid sulphat
	soil in this area. Existing tracks will be utilised w	here possible. This a	area has vegetation nearby which will
	mitigate wind erosion issues.		
Proposed management controls	There will be no vegetation clearing for this dril	program. Minor cle	earing of grass may be required to make
	sites safe, should this be necessary care will be		
	vegetation regrowth. Minimal surface disturbar		
	tracks where possible, should soil compaction re		
	ensure all ground is returned to existing state.	Lyane scarnicatiOII	then the fantitioner will manage difu
Demotion			
Duration	21 Desitive		
Application ranking	Positive		
What is the confidence in predicting	High	Are further	No
impacts?		studies	
		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	Medium Resilience	What is the	Low
cope with impacts?		level of public	
cope with impacts.		concern?	
Con the impacts he reversed?	Uncortain	Ranking of	Low
Can the impacts be reversed?	Uncertain		Low
		potential	
		significance	
Can the impacts be mitigated?	Partly	Justification for ra	anking
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Soil & Stability Impacts: Increased land instabilit	y with high risks fro	m land slides or subsidence.
Potential impacts	The effects of this small drilling program within	the area will not ca	use soil erosion. There is no acid sulphat
	soil in this area. Existing tracks will be utilised w		
	mitigate wind erosion issues.		area has vegetation nearby which whi
Droposed menogement controls	There will be no vegetation clearing for this dril	nrogram Minor de	paring of grace may be required to make
Proposed management controls			5 5 <i>j</i> i
	sites safe, should this be necessary care will be		-
	vegetation regrowth. Minimal surface disturbar		
	tracks where possible, should soil compaction re	equire scarification	then the landholder will manage and
		equile bearmoution	
	ensure all ground is returned to existing state.		
Duration	ensure all ground is returned to existing state.		
	ensure all ground is returned to existing state. Drilling areas are relatively flat topography		
Application ranking	ensure all ground is returned to existing state. Drilling areas are relatively flat topography 21 Positive	· 	Νο
Application ranking What is the confidence in predicting	ensure all ground is returned to existing state. Drilling areas are relatively flat topography 21	Are further	No
Application ranking	ensure all ground is returned to existing state. Drilling areas are relatively flat topography 21 Positive	Are further studies	No
Application ranking What is the confidence in predicting	ensure all ground is returned to existing state. Drilling areas are relatively flat topography 21 Positive	Are further studies required on	No
Application ranking What is the confidence in predicting	ensure all ground is returned to existing state. Drilling areas are relatively flat topography 21 Positive	Are further studies required on impacts or	No
Application ranking What is the confidence in predicting impacts?	ensure all ground is returned to existing state. Drilling areas are relatively flat topography 21 Positive High	Are further studies required on impacts or mitigation?	
Application ranking What is the confidence in predicting impacts? How resilient is the environment to	ensure all ground is returned to existing state. Drilling areas are relatively flat topography 21 Positive	Are further studies required on impacts or mitigation? What is the	No
Application ranking What is the confidence in predicting impacts?	ensure all ground is returned to existing state. Drilling areas are relatively flat topography 21 Positive High	Are further 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	ensure all ground is returned to existing state. Drilling areas are relatively flat topography 21 Positive High	Are further studies required on impacts or mitigation? What is the level of public concern?	
impacts? How resilient is the environment to	ensure all ground is returned to existing state. Drilling areas are relatively flat topography 21 Positive High	Are further 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?	ensure all ground is returned to existing state. Drilling areas are relatively flat topography 21 Positive High High Resilience	Are further 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 cope with impacts?	ensure all ground is returned to existing state. Drilling areas are relatively flat topography 21 Positive High High Resilience	Are further 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?	ensure all ground is returned to existing state. Drilling areas are relatively flat topography 21 Positive High High Resilience Yes	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	Low
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated?	ensure all ground is returned to existing state. Drilling areas are relatively flat topography 21 Positive High High Resilience Yes Fully	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	Low
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with	ensure all ground is returned to existing state. Drilling areas are relatively flat topography 21 Positive High High Resilience Yes	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	Low
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated?	ensure all ground is returned to existing state. Drilling areas are relatively flat topography 21 Positive High High Resilience Yes Fully	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra	Low

Potential impacts	Longstowe homestead is more than 500m awar daylight hours only and not within 500m of rec relatively low noise outputs compared to other	eptors. Mud rotary a	
Proposed management controls	Drilling will not occur within 500m of sensitive only.	-	orks will be undertaken in daylight hours
Duration	21		
Application ranking	Negligible		
What is the confidence in predicting		Are further	No
	High		No
impacts?		studies	
		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	High Resilience	What is the	Low
cope with impacts?		level of public	
		concern?	
Can the impacts be reversed?	Uncertain	Ranking of	Low
can the impacts be reversed?	Uncertain	-	LOW
		potential	
		significance	
Can the impacts be mitigated?	Partly	Justification for ra	anking
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Noise & Vibration Impacts: Affects sensitive rec	entors	
	•	•	
Potential impacts	Longstowe homestead is more than 500m away		
	daylight hours only and not within 500m of rec		and diamond drilling method selected ha
	relatively low noise outputs compared to other	drilling methods.	
Proposed management controls	Drilling will not occur within 500m of sensitive		orks will be undertaken in davlight hours
	only.	0	
	only.		
	Circus the distance from the duill vie and veletion		
	Given the distance from the drill rig and relative	ely low noise output	f of the drilling method, the activity is no
	expected to impact sensitive receptors.		
Duration	21		
Application ranking	Negligible		
What is the confidence in predicting	High	Are further	No
impacts?		studies	
impacts:			
		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	High Resilience	What is the	Low
cope with impacts?		level of public	
		concern?	
Can the impacts he reversed?	Uncertain		Low
Can the impacts be reversed?	Uncertain	Ranking of	LOW
		potential	
		significance	
Can the impacts be mitigated?	Partly	Justification for ra	anking
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Coastal Location & Processes: Affects coastal pr	I	bazards including those under projects
Citteria		ocesses and coastal	inazarus, meluung mose under projecte
	climate change conditions.		
Potential impacts	n/a		
Proposed management controls	n/a		
Duration	21		
Application ranking	Positive		
What is the confidence in predicting	High	Are further	No
	1''8''		
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	
cope minimpacts		concern?	
Can the immediate because 12	N/A	-	Low
Can the impacts be reversed?	N/A	Ranking of	Low
		potential	
		significance	
Can the impacts be mitigated?	N/A	Justification for ra	anking
Do the operations comply with	Yes	1	
Bo the operations comply with	103		
standards plans policies?			
standards, plans, policies?		a a si sha shu tu bu tu	
standards, plans, policies? Criteria	Hazardous substances or chemicals: Impacts as hazardous substances or chemicals.	sociated with the us	se, generation, storage or transport of

Potential impacts	Diesel fuel is the only anticipated hydrocarbon t		•
	diesel tank mounted on an auxiliary drill vehicle cleaned up and waste material removed from si		
	waste facility.		
Proposed management controls	Maintain regular checks of all fuel and lubricant the site at all times.	s, provide bunded a	areas where required. A spill kit will be at
Duration	21		
Application ranking	Negligible		
What is the confidence in predicting	High	Are further	No
impacts?		studies	
		required on	
		impacts or	
		mitigation?	
How resilient is the environment to cope with impacts?	Medium Resilience	What is the level of public	Low
cope with impacts?		concern?	
Can the impacts be reversed?	Uncertain	Ranking of	Low
can the impacts be reversed.	oncertain	potential	
		significance	
Can the impacts be mitigated?	Partly	Justification for ra	anking
Do the operations comply with	Yes		0
standards, plans, policies?			
Criteria	Wastes & Emissions: Impacts to the environment	nt resulting from the	e generation or disposal of wastes.
Potential impacts	There should be minimal impact to the environ	nent from the prop	osed short drilling program. Fuels
·	maintained in appropriately bunded storage tar		0. 0
	waste removed from site and disposed of at app	propriately licenced	waste facility.
Proposed management controls	Clean up any minor spills immediately and dispo	ose of any contamin	ated materials to an appropriately
	managed licenced facility.		
	Once drilling is complete, any minor spoil, rubbi	sh and all materials	will be removed from site.
Duration	21		
Application ranking	Negligible		
What is the confidence in predicting	High	Are further	No
impacts?		studies	
		required on	
		impacts or	
How resilient is the environment to	High Resilience	mitigation? What is the	Low
cope with impacts?	Tigh Resilence	level of public	
cope with impacts.		concern?	
Can the impacts be reversed?	Yes	Ranking of	Low
		potential	
		significance	
Can the impacts be mitigated?	Fully	Justification for ra	anking
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Wastes & Emissions: Impacts on drinking water or flood prone areas.	catchments, wetlar	nds, natural water bodies, riparian zones
Potential impacts	There will be no impact to the Macquarie Marsh Drilling to be conducted in the dry season.	nes Wetlands during	g this proposed short drilling program.
Proposed management controls	Clean up any minor spills immediately and dispo	ose of any contamin	ated materials to an appropriately
	managed licenced facility.		
	There are areas of swampland which are sensiti	ve and will be avoid	led, in addition, work will be conducted i
	There are areas of swampland which are sensiti the dry season and not during wet conditions.		
	There are areas of swampland which are sensiti the dry season and not during wet conditions. The nearest named waterway is Wambuul/Mac	quarie River located	d 2km east of the approval area. No
	There are areas of swampland which are sensiti the dry season and not during wet conditions. The nearest named waterway is Wambuul/Mac impact is expected as the drilling method will en	quarie River located	d 2km east of the approval area. No
Duration	There are areas of swampland which are sensiti the dry season and not during wet conditions. The nearest named waterway is Wambuul/Mac impact is expected as the drilling method will er will be no ancillary water stored on site.	quarie River located	d 2km east of the approval area. No
	There are areas of swampland which are sensiti the dry season and not during wet conditions. The nearest named waterway is Wambuul/Mac impact is expected as the drilling method will en will be no ancillary water stored on site. 21	quarie River located	d 2km east of the approval area. No
Application ranking	There are areas of swampland which are sensiti the dry season and not during wet conditions. The nearest named waterway is Wambuul/Mac impact is expected as the drilling method will er will be no ancillary water stored on site. 21 Negligible	quarie River located	d 2km east of the approval area. No d water remains in the ground, and there
Duration Application ranking What is the confidence in predicting impacts?	There are areas of swampland which are sensiti the dry season and not during wet conditions. The nearest named waterway is Wambuul/Mac impact is expected as the drilling method will en will be no ancillary water stored on site. 21	quarie River located nsure that all ground Are further	d 2km east of the approval area. No
Application ranking	There are areas of swampland which are sensiti the dry season and not during wet conditions. The nearest named waterway is Wambuul/Mac impact is expected as the drilling method will er will be no ancillary water stored on site. 21 Negligible	quarie River located nsure that all ground Are further studies	d 2km east of the approval area. No d water remains in the ground, and there
Application ranking What is the confidence in predicting	There are areas of swampland which are sensiti the dry season and not during wet conditions. The nearest named waterway is Wambuul/Mac impact is expected as the drilling method will er will be no ancillary water stored on site. 21 Negligible	quarie River located nsure that all ground Are further studies required on	d 2km east of the approval area. No d water remains in the ground, and there
Application ranking What is the confidence in predicting	There are areas of swampland which are sensiti the dry season and not during wet conditions. The nearest named waterway is Wambuul/Mac impact is expected as the drilling method will er will be no ancillary water stored on site. 21 Negligible	quarie River located nsure that all ground Are further studies required on impacts or	d 2km east of the approval area. No d water remains in the ground, and there
Application ranking What is the confidence in predicting	There are areas of swampland which are sensiti the dry season and not during wet conditions. The nearest named waterway is Wambuul/Mac impact is expected as the drilling method will er will be no ancillary water stored on site. 21 Negligible	quarie River located nsure that all ground Are further studies required on	d 2km east of the approval area. No d water remains in the ground, and there
Application ranking What is the confidence in predicting impacts?	There are areas of swampland which are sensiti the dry season and not during wet conditions. The nearest named waterway is Wambuul/Mac impact is expected as the drilling method will en will be no ancillary water stored on site. 21 Negligible High	quarie River located nsure that all ground Are further studies required on impacts or mitigation?	d 2km east of the approval area. No d water remains in the ground, and there No

Can the impacts be reversed?	Yes	Ranking of potential significance	Low
Can the impacts be mitigated?	Fully	Justification for r	anking
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Wastes & Emissions: Impacts on groundwater	recharge areas or are	eas with high water table.
Potential impacts	There will be no impact to the Macquarie Mars	shes Wetlands during	g this proposed short drilling program.
	Drilling to be conducted in the dry season.		
Proposed management controls	Clean up any minor spills immediately and disp managed licenced facility. Suitable drilling methods will be utilised to ens different water bearing strata. Salinity of groundwater will be considered, how remain in the ground.	ure that water is cor	ntained in the same strata and not cross
Duration	21		
Application ranking	Negligible		
What is the confidence in predicting	High	Are further	No
impacts?	5	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?	Uncertain	Ranking of	Low
·		potential	
		significance	
Can the impacts be mitigated?	Fully	Justification for r	anking
Do the operations comply with	Yes		
	165		
standards, plans, policies?	Wastes and Emissions: Impacts on coastlines o	r dunes, alpine areas	s karst features or other unique
	Wastes and Emissions: Impacts on coastlines o landforms.	r dunes, alpine areas	s, karst features or other unique
standards, plans, policies? Criteria	landforms.	r dunes, alpine areas	s, karst features or other unique
standards, plans, policies? Criteria Potential impacts	landforms. N/A	 r dunes, alpine areas	s, karst features or other unique
standards, plans, policies? Criteria Potential impacts	landforms. N/A N/A	 r dunes, alpine areas	s, karst features or other unique
standards, plans, policies? Criteria Potential impacts Proposed management controls Duration	landforms. N/A	 r dunes, alpine areas	s, karst features or other unique
standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking	Iandforms. N/A N/A N/A	r dunes, alpine areas	
standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting	Iandforms. N/A N/A N/A N/A		s, karst features or other unique
standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking	Iandforms. N/A N/A N/A N/A	Are further	
standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting	Iandforms. N/A N/A N/A N/A	Are further studies required on	
standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting	Iandforms. N/A N/A N/A N/A	Are further studies	
standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting	Iandforms. N/A N/A N/A N/A	Are further studies required on impacts or	
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	landforms. N/A N/A N/A N/A N/A	Are further studies required on impacts or mitigation? What is the	N/A
standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts?	landforms. N/A N/A N/A N/A N/A	Are further studies required on impacts or mitigation? What is the level of public	N/A
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?	Iandforms. 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?	N/A N/A
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	landforms. 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	N/A
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?	Iandforms. 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?	N/A N/A
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?	Iandforms. N/A N/A 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	N/A N/A N/A
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?	Iandforms. N/A N/A N/A 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	N/A N/A N/A
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?	Iandforms. N/A N/A 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	N/A N/A N/A
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?	Iandforms. N/A	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re	N/A N/A N/A anking
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 reversed? Do the operations comply with standards, plans, policies? Criteria	Iandforms. N/A N/A N/A 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 re	N/A N/A N/A anking
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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 reversed? Can the impacts be reversed? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking	Iandforms. N/A N/A N/A 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 re areas, areas with ske	N/A N/A N/A anking
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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 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	Iandforms. N/A N/A N/A 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 re areas, areas with ske Are further studies required on	N/A N/A N/A anking
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 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	Iandforms. N/A N/A N/A 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 re areas, areas with ske Are further studies required on impacts or	N/A N/A N/A anking
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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 reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to	Iandforms. N/A N/A N/A 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 re areas, areas with ske Are further studies required on impacts or mitigation? What is the	N/A N/A N/A anking
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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 reversed? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	Iandforms. 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 re areas, areas with ske areas, areas with ske concern? Are further studies required on impacts or mitigation? What is the level of public concern?	N/A N/A N/A anking opes of greater than 18 degrees.
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 reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to	Iandforms. N/A N/A N/A N/A N/A N/A N/A N/A N/A Wastes & Emissions: Impacts on erosion prone N/A N/A N/A 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 r areas, areas with ske areas, areas with ske what is the level of public concern?	N/A N/A N/A anking ppes of greater than 18 degrees.
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 reversed? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	Iandforms. 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 r areas, areas with ske required on impacts or mitigation? What is the level of public concern?	N/A N/A N/A anking opes of greater than 18 degrees.
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 reversed? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	Iandforms. 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 r areas, areas with ske areas, areas with ske what is the level of public concern?	N/A N/A N/A anking opes of greater than 18 degrees.

Do the operations comply with	N/A		
standards, plans, policies? Criteria	Wastos & Emissions: Impacts on subsiderers		
	Wastes & Emissions: Impacts on subsidence or s	1	this proposed short delling stress
Potential impacts	There will be no impact to the Macquarie Marsl Drilling to be conducted in the dry season.		
Proposed management controls	Clean up any minor spills immediately and dispo managed licenced facility.	ose of any contamin	ated materials to an appropriately
	Area of drilling is relatively flat. All disturbed areas to be rehabilitated in accord		
Duration	Rehabilitation). Rehabilitation to occur as soon 21	as practicable after	completion of activity.
Application ranking	Negligible		
What is the confidence in predicting	High	Are further	No
impacts?		studies	
		required on	
		impacts or	
How resilient is the environment to	N/A	mitigation? What is the	Low
cope with impacts?		level of public	
		concern?	
Can the impacts be reversed?	N/A	Ranking of	Low
		potential	
		significance	L
Can the impacts be mitigated?	N/A	Justification for ra	anking
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Wastes & Emissions: Impacts on areas with acid	l sulphate, sodic or l	highly permeable soils.
Potential impacts	There are no acid sulfate soils within this area.		
Proposed management controls	Salinity of groundwater will be considered, how remain in the ground.	ever with the propo	osed drilling methods groundwater wi
-	remain in the ground. The proposed drilling areas cover soil types 4 ar		
-	remain in the ground. The proposed drilling areas cover soil types 4 ar No ancillary water stored on site.	nd 5 from the Land a	
Proposed management controls	remain in the ground. The proposed drilling areas cover soil types 4 ar No ancillary water stored on site. Drilling in dry season only. No drilling in times o	nd 5 from the Land a	
Proposed management controls Duration	remain in the ground. The proposed drilling areas cover soil types 4 ar No ancillary water stored on site.	nd 5 from the Land a	
Proposed management controls Duration Application ranking	remain in the ground. The proposed drilling areas cover soil types 4 ar No ancillary water stored on site. Drilling in dry season only. No drilling in times o 21	nd 5 from the Land a f flooding.	
Proposed management controls Duration	remain in the ground. The proposed drilling areas cover soil types 4 ar No ancillary water stored on site. Drilling in dry season only. No drilling in times o	nd 5 from the Land a	and Soil Capability Classification.
Proposed management controls Duration Application ranking What is the confidence in predicting	remain in the ground. The proposed drilling areas cover soil types 4 ar No ancillary water stored on site. Drilling in dry season only. No drilling in times o 21	nd 5 from the Land a f flooding. Are further	and Soil Capability Classification.
Proposed management controls Duration Application ranking What is the confidence in predicting	remain in the ground. The proposed drilling areas cover soil types 4 ar No ancillary water stored on site. Drilling in dry season only. No drilling in times o 21	nd 5 from the Land a f flooding. Are further studies	and Soil Capability Classification.
Proposed management controls Duration Application ranking What is the confidence in predicting impacts?	remain in the ground. The proposed drilling areas cover soil types 4 ar No ancillary water stored on site. Drilling in dry season only. No drilling in times o 21 High	nd 5 from the Land a f flooding. Are further studies required on impacts or mitigation?	and Soil Capability Classification.
Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to	remain in the ground. The proposed drilling areas cover soil types 4 ar No ancillary water stored on site. Drilling in dry season only. No drilling in times o 21	nd 5 from the Land a f flooding. Are further studies required on impacts or mitigation? What is the	and Soil Capability Classification.
Proposed management controls Duration Application ranking What is the confidence in predicting impacts?	remain in the ground. The proposed drilling areas cover soil types 4 ar No ancillary water stored on site. Drilling in dry season only. No drilling in times o 21 High	nd 5 from the Land a f flooding. Are further studies required on impacts or mitigation? What is the level of public	and Soil Capability Classification.
Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	remain in the ground. The proposed drilling areas cover soil types 4 ar No ancillary water stored on site. Drilling in dry season only. No drilling in times o 21 High	nd 5 from the Land a f flooding. Are further studies required on impacts or mitigation? What is the level of public concern?	and Soil Capability Classification.
Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to	remain in the ground. The proposed drilling areas cover soil types 4 ar No ancillary water stored on site. Drilling in dry season only. No drilling in times o 21 High	nd 5 from the Land a f flooding. Are further studies required on impacts or mitigation? What is the level of public	and Soil Capability Classification.
Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	remain in the ground. The proposed drilling areas cover soil types 4 ar No ancillary water stored on site. Drilling in dry season only. No drilling in times o 21 High	nd 5 from the Land a f flooding. Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of	and Soil Capability Classification.
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?	remain in the ground. The proposed drilling areas cover soil types 4 ar No ancillary water stored on site. Drilling in dry season only. No drilling in times o 21 High	nd 5 from the Land a f flooding. Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	and Soil Capability Classification. No Low Low
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	remain in the ground. The proposed drilling areas cover soil types 4 ar No ancillary water stored on site. Drilling in dry season only. No drilling in times o 21 High High Uncertain	nd 5 from the Land a f flooding. Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	and Soil Capability Classification. No Low Low
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?	remain in the ground. The proposed drilling areas cover soil types 4 ar No ancillary water stored on site. Drilling in dry season only. No drilling in times o 21 High High High Resilience Uncertain Partly Yes	nd 5 from the Land a f flooding. Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re	And Soil Capability Classification.
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 reversed? Do the operations comply with standards, plans, policies? Criteria	remain in the ground. The proposed drilling areas cover soil types 4 ar No ancillary water stored on site. Drilling in dry season only. No drilling in times o 21 High High High Resilience Uncertain Partly Yes Wastes & Emissions: Impacts on areas with salin	nd 5 from the Land a f flooding. Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re-	and Soil Capability Classification. No Low anking nity problems.
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?	remain in the ground. The proposed drilling areas cover soil types 4 ar No ancillary water stored on site. Drilling in dry season only. No drilling in times o 21 High High High Resilience Uncertain Partly Yes Wastes & Emissions: Impacts on areas with salin There will be no impact to the Macquarie Marsh	nd 5 from the Land a f flooding. Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re-	and Soil Capability Classification. No Low anking nity problems.
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 reversed? Do the operations comply with standards, plans, policies? Criteria	remain in the ground. The proposed drilling areas cover soil types 4 ar No ancillary water stored on site. Drilling in dry season only. No drilling in times o 21 High High High Resilience Uncertain Partly Yes Wastes & Emissions: Impacts on areas with salin	nd 5 from the Land a f flooding. Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re- nity or potential sali	and Soil Capability Classification. No Low Low anking nity problems. g this proposed short drilling program.
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 reversed? Do the operations comply with standards, plans, policies? Criteria Potential impacts	remain in the ground. The proposed drilling areas cover soil types 4 ar No ancillary water stored on site. Drilling in dry season only. No drilling in times o 21 High High High Resilience Uncertain Partly Yes Wastes & Emissions: Impacts on areas with salin There will be no impact to the Macquarie Marsl Drilling to be conducted in the dry season.	nd 5 from the Land a f flooding. Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re- nity or potential sali	and Soil Capability Classification. No Low Low anking nity problems. g this proposed short drilling program.
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 reversed? Do the operations comply with standards, plans, policies? Criteria Potential impacts	remain in the ground. The proposed drilling areas cover soil types 4 ar No ancillary water stored on site. Drilling in dry season only. No drilling in times of 21 High High High Resilience Uncertain Partly Yes Wastes & Emissions: Impacts on areas with salin There will be no impact to the Macquarie Marsl Drilling to be conducted in the dry season. Clean up any minor spills immediately and dispor managed licenced facility. Salinity of groundwater will be considered, how	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re- nity or potential sali hes Wetlands during	and Soil Capability Classification. No Low Low anking nity problems. g this proposed short drilling program. ated materials to an appropriately
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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 reversed? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration	remain in the ground. The proposed drilling areas cover soil types 4 ar No ancillary water stored on site. Drilling in dry season only. No drilling in times o 21 High High High Resilience Uncertain Partly Yes Wastes & Emissions: Impacts on areas with salin There will be no impact to the Macquarie Marsl Drilling to be conducted in the dry season. Clean up any minor spills immediately and dispormanaged licenced facility. Salinity of groundwater will be considered, how remain in the ground.	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re- nity or potential sali hes Wetlands during	and Soil Capability Classification. No Low Low anking nity problems. g this proposed short drilling program. ated materials to an appropriately
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 reversed? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration	remain in the ground. The proposed drilling areas cover soil types 4 ar No ancillary water stored on site. Drilling in dry season only. No drilling in times of 21 High High High Resilience Uncertain Partly Yes Wastes & Emissions: Impacts on areas with saling There will be no impact to the Macquarie Marsh Drilling to be conducted in the dry season. Clean up any minor spills immediately and dispon managed licenced facility. Salinity of groundwater will be considered, how remain in the ground. 21	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re- nity or potential sali hes Wetlands during	and Soil Capability Classification. No Low Low anking nity problems. g this proposed short drilling program. ated materials to an appropriately
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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 reversed? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting	remain in the ground. The proposed drilling areas cover soil types 4 ar No ancillary water stored on site. Drilling in dry season only. No drilling in times o 21 High High High Resilience Uncertain Partly Yes Wastes & Emissions: Impacts on areas with salin There will be no impact to the Macquarie Marsl Drilling to be conducted in the dry season. Clean up any minor spills immediately and dispormanaged licenced facility. Salinity of groundwater will be considered, how remain in the ground. 21 Negligible	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re- nity or potential sali hes Wetlands during ose of any contamin rever with the propo-	and Soil Capability Classification. No Low Low anking nity problems. g this proposed short drilling program. ated materials to an appropriately osed drilling methods groundwater wi
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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?	remain in the ground. The proposed drilling areas cover soil types 4 ar No ancillary water stored on site. Drilling in dry season only. No drilling in times o 21 High High High Resilience Uncertain Partly Yes Wastes & Emissions: Impacts on areas with salin There will be no impact to the Macquarie Marsl Drilling to be conducted in the dry season. Clean up any minor spills immediately and dispormanaged licenced facility. Salinity of groundwater will be considered, how remain in the ground. 21 Negligible High	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re- nity or potential sali hes Wetlands during ose of any contamin rever with the proportion and the proportion of the proportion required on impacts or mitigation?	and Soil Capability Classification. No Low Low anking nity problems. g this proposed short drilling program. ated materials to an appropriately osed drilling methods groundwater wi No
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 reversed? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting	remain in the ground. The proposed drilling areas cover soil types 4 ar No ancillary water stored on site. Drilling in dry season only. No drilling in times o 21 High High High Resilience Uncertain Partly Yes Wastes & Emissions: Impacts on areas with salin There will be no impact to the Macquarie Marsl Drilling to be conducted in the dry season. Clean up any minor spills immediately and dispormanaged licenced facility. Salinity of groundwater will be considered, how remain in the ground. 21 Negligible	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re- nity or potential sali hes Wetlands during ose of any contamin rever with the propo-	and Soil Capability Classification. No Low Low anking nity problems. g this proposed short drilling program. ated materials to an appropriately osed drilling methods groundwater wi

	Uncertain	Ranking of potential significance	Low
Can the impacts be mitigated?	Partly	Justification for r	anking
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Wastes & Emissions: Impacts on areas with deg	raded or contamina	ted land.
Potential impacts	There will be no impact to the Macquarie Marsl Drilling to be conducted in the dry season.	hes Wetlands during	g this proposed short drilling program.
Proposed management controls	Clean up any minor spills immediately and disponent managed licenced facility.	ose of any contamin	ated materials to an appropriately
Duration	21		
Application ranking	Negligible		
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No
How resilient is the environment to	Medium Resilience	What is the	Low
cope with impacts?		level of public concern?	
Can the impacts be reversed?	Uncertain	Ranking of potential	Low
		significance	
Can the impacts be mitigated?	Partly	Justification for ra	anking
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Wastes & Emissions: Impacts on areas with deg		
Potential impacts	There will be no impact to the Macquarie Marsh Drilling to be conducted in the dry season.	hes Wetlands during	g this proposed short drilling program.
Proposed management controls	Clean up any minor spills immediately and dispo managed licenced facility.	ose of any contamin	ated materials to an appropriately
	Encountered groundwater to be contained. Above ground sumps for drilling liquids.		
Duration			
Duration Application ranking	Above ground sumps for drilling liquids.		
	Above ground sumps for drilling liquids.	Are further studies required on impacts or mitigation?	No
Application ranking What is the confidence in predicting	Above ground sumps for drilling liquids. 21 Negligible	studies required on	No
Application ranking What is the confidence in predicting impacts?	Above ground sumps for drilling liquids. 21 Negligible High	studies required on impacts or mitigation?	
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed?	Above ground sumps for drilling liquids. 21 Negligible High Medium Resilience N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	Low
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated?	Above ground sumps for drilling liquids. 21 Negligible High Medium Resilience N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	Low
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies?	Above ground sumps for drilling liquids. 21 Negligible High Medium Resilience N/A Yes	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re	Low
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria	Above ground sumps for drilling liquids. 21 Negligible High Medium Resilience N/A N/A Yes Vegetation: Any clearing or modification of vegovegetation & habitat for species of conservation	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re- etation (including in a significance).	Low
Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies?	Above ground sumps for drilling liquids. 21 Negligible High Medium Resilience N/A N/A Yes Vegetation: Any clearing or modification of vege	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re- etation (including in a significance). posed drilling.	Low Low anking npacts on wildlife corridors, remnant
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	Above ground sumps for drilling liquids. 21 Negligible High Medium Resilience N/A N/A Yes Vegetation: Any clearing or modification of vegovegetation & habitat for species of conservation There will be no vegetation clearing for the pro There is one endangered (NSW E1) species, Aus	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re- tation (including in significance). posed drilling. tralian Bustard, reco	Low Low anking npacts on wildlife corridors, remnant orded within the proposed drilling area
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	Above ground sumps for drilling liquids. 21 Negligible High Medium Resilience N/A N/A Yes Vegetation: Any clearing or modification of vegovegetation & habitat for species of conservation There will be no vegetation clearing for the proof There is one endangered (NSW E1) species, Aus BioNet. n/a No vegetation clearance proposed. Location of drill hole will be moved to avoid vegovegetation of drill hole will be moved to avoid vegovegetation of drill hole will be moved to avoid vegovegetation of drill hole will be moved to avoid vegovegetation of drill hole will be moved to avoid vegovegetation of drill hole will be moved to avoid vegovegetation of drill hole will be moved to avoid vegovegetation of drill hole will be moved to avoid vegovegetation of drill hole will be moved to avoid vegovegetation of drill hole will be moved to avoid vegovegetation of drill hole will be moved to avoid vegovegetation of drill hole will be moved to avoid vegovegetation of drill hole will be moved to avoid vegovegetation of drill hole will be movegetation degovegetation of drill hole will be movegetation degovegetation de	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re- tation (including in significance). posed drilling. tralian Bustard, reco	Low Low anking npacts on wildlife corridors, remnant orded within the proposed drilling area
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 reversed? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls	Above ground sumps for drilling liquids. 21 Negligible High Medium Resilience N/A N/A Yes Vegetation: Any clearing or modification of vegovegetation & habitat for species of conservation There will be no vegetation clearing for the pro There will be no vegetation clearing for the pro There is one endangered (NSW E1) species, Aus BioNet. n/a No vegetation clearance proposed. Location of drill hole will be moved to avoid vego If grass required to be cleared, will be done in a	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re- tation (including in significance). posed drilling. tralian Bustard, reco	Low Low anking npacts on wildlife corridors, remnant orded within the proposed drilling area

How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?	Low
Can the impacts be reversed?	Uncertain	Ranking of potential significance	Low
Can the impacts be mitigated?	Fully	Justification for ra	anking
Do the operations comply with	Yes	Justification for ta	
standards, plans, policies?	Tes		
Criteria	Threatened Fauna Species: Any adverse effect on local population of the species is likely to be plated by the species by the species is likely to be plated by the species by the species is likely to be plated by the species is likely to be plated by the species by the species is likely to be plated by the species is likely to be plated by the species is likely to be plated by the species by the species is likely to be plated by the species by the sp		
Potential impacts	There are no threatened fauna or flora recorded		
Proposed management controls	n/a		
Duration	21		
Application ranking	Positive		
What is the confidence in predicting	High	Are further	No
impacts?	i iigii	studies	110
impacts?			
		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	High Resilience	What is the	Low
cope with impacts?		level of public	
		concern?	
Can the impacts be reversed?	N/A	Ranking of	Low
•		potential	
		significance	
Can the impacts be mitigated?	N/A	Justification for ra	anking
Do the operations comply with	Yes	Justineation for h	
	res		
standards, plans, policies?			The second s
Criteria	Threatened Flora Species: Any adverse effect or local population of the species is likely to be pla	ced at risk of extinc	
Potential impacts	There are no threatened fauna or flora recorded	d in this area	
Proposed management controls	n/a		
Duration	21		
Application ranking	Positive		
What is the confidence in predicting	High	Are further	No
impacts?	5	studies	
		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	High Resilience	What is the	Low
cope with impacts?	nigh Kesinenee	level of public	2000
cope with impacts?			
	N1 / A	concern?	1 -
Can the impacts be reversed?	N/A	Ranking of	Low
		potential	
		cignificanco	
		significance	
Can the impacts be mitigated?	N/A	Justification for ra	anking
Can the impacts be mitigated? Do the operations comply with	N/A Yes		anking
Do the operations comply with			anking
	Yes Areas of outstanding biodiversity value/Critical biodiversity value under the Biodiversity Conser	Justification for ra	es: a. declared areas of outstanding
Do the operations comply with standards, plans, policies? Criteria	Yes Areas of outstanding biodiversity value/Critical biodiversity value under the Biodiversity Conser Fisheries Management Act 1994.	Justification for ra habitat: This include vation Act 2016 b	es: a. declared areas of outstanding . areas declared critical habitat under th
Do the operations comply with standards, plans, policies? Criteria Potential impacts	Yes Areas of outstanding biodiversity value/Critical biodiversity value under the Biodiversity Conser Fisheries Management Act 1994. There are no areas of critical habitat/area of ou	Justification for ra habitat: This include vation Act 2016 b	es: a. declared areas of outstanding . areas declared critical habitat under th
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls	Yes Areas of outstanding biodiversity value/Critical biodiversity value under the Biodiversity Conser Fisheries Management Act 1994. There are no areas of critical habitat/area of ou n/a	Justification for ra habitat: This include vation Act 2016 b	es: a. declared areas of outstanding . areas declared critical habitat under th
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration	Yes Areas of outstanding biodiversity value/Critical biodiversity value under the Biodiversity Conser Fisheries Management Act 1994. There are no areas of critical habitat/area of ou n/a 21	Justification for ra habitat: This include vation Act 2016 b	es: a. declared areas of outstanding . areas declared critical habitat under th
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking	Yes Areas of outstanding biodiversity value/Critical biodiversity value under the Biodiversity Conser Fisheries Management Act 1994. There are no areas of critical habitat/area of ou n/a	Justification for ra habitat: This include vation Act 2016 b	es: a. declared areas of outstanding . areas declared critical habitat under th
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration	Yes Areas of outstanding biodiversity value/Critical biodiversity value under the Biodiversity Conser Fisheries Management Act 1994. There are no areas of critical habitat/area of ou n/a 21	Justification for ra habitat: This include vation Act 2016 b	es: a. declared areas of outstanding . areas declared critical habitat under th
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking	Yes Areas of outstanding biodiversity value/Critical biodiversity value under the Biodiversity Conser Fisheries Management Act 1994. There are no areas of critical habitat/area of ou n/a 21 N/A	Justification for ra habitat: This include vation Act 2016 b tstanding biodiversi	es: a. declared areas of outstanding . areas declared critical habitat under th ty within the approval area.
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting	Yes Areas of outstanding biodiversity value/Critical biodiversity value under the Biodiversity Conser Fisheries Management Act 1994. There are no areas of critical habitat/area of ou n/a 21 N/A	Justification for ra habitat: This include vation Act 2016 b tstanding biodiversi Are further	es: a. declared areas of outstanding . areas declared critical habitat under the ty within the approval area.
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting	Yes Areas of outstanding biodiversity value/Critical biodiversity value under the Biodiversity Conser Fisheries Management Act 1994. There are no areas of critical habitat/area of ou n/a 21 N/A	Justification for ra habitat: This include vation Act 2016 b tstanding biodiversi Are further studies required on	es: a. declared areas of outstanding . areas declared critical habitat under the ty within the approval area.
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting	Yes Areas of outstanding biodiversity value/Critical biodiversity value under the Biodiversity Conser Fisheries Management Act 1994. There are no areas of critical habitat/area of ou n/a 21 N/A	Justification for ra habitat: This include vation Act 2016 b tstanding biodiversi Are further studies required on impacts or	es: a. declared areas of outstanding . areas declared critical habitat under t ty within the approval area.
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 Areas of outstanding biodiversity value/Critical biodiversity value under the Biodiversity Conser Fisheries Management Act 1994. There are no areas of critical habitat/area of ou n/a 21 N/A High	Justification for ra habitat: This include vation Act 2016 b tstanding biodiversi Are further studies required on impacts or mitigation?	es: a. declared areas of outstanding . areas declared critical habitat under t ty within the approval area. No
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 Areas of outstanding biodiversity value/Critical biodiversity value under the Biodiversity Conser Fisheries Management Act 1994. There are no areas of critical habitat/area of ou n/a 21 N/A	Justification for ra habitat: This include vation Act 2016 b tstanding biodiversi Are further studies required on impacts or mitigation? What is the	es: a. declared areas of outstanding . areas declared critical habitat under t ty within the approval area.
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 Areas of outstanding biodiversity value/Critical biodiversity value under the Biodiversity Conser Fisheries Management Act 1994. There are no areas of critical habitat/area of ou n/a 21 N/A High	Justification for ra habitat: This include vation Act 2016 b tstanding biodiversi Are further studies required on impacts or mitigation? What is the level of public	es: a. declared areas of outstanding . areas declared critical habitat under th ty within the approval area. No
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 Areas of outstanding biodiversity value/Critical biodiversity value under the Biodiversity Conser Fisheries Management Act 1994. There are no areas of critical habitat/area of ou n/a 21 N/A High	Justification for ra habitat: This include vation Act 2016 b tstanding biodiversi Are further studies required on impacts or mitigation? What is the level of public concern?	es: a. declared areas of outstanding . areas declared critical habitat under the ty within the approval area. No
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 Areas of outstanding biodiversity value/Critical biodiversity value under the Biodiversity Conser Fisheries Management Act 1994. There are no areas of critical habitat/area of ou n/a 21 N/A High	Justification for ra habitat: This include vation Act 2016 b tstanding biodiversi Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of	es: a. declared areas of outstanding . areas declared critical habitat under t ty within the approval area. No
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 Areas of outstanding biodiversity value/Critical biodiversity value under the Biodiversity Conser Fisheries Management Act 1994. There are no areas of critical habitat/area of ou n/a 21 N/A High	Justification for ra habitat: This include vation Act 2016 b tstanding biodiversi Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	es: a. declared areas of outstanding . areas declared critical habitat under the ty within the approval area. No
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 Areas of outstanding biodiversity value/Critical biodiversity value under the Biodiversity Conser Fisheries Management Act 1994. There are no areas of critical habitat/area of ou n/a 21 N/A High	Justification for ra habitat: This include vation Act 2016 b tstanding biodiversi Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of	es: a. declared areas of outstanding . areas declared critical habitat under th ty within the approval area. No

Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Endangered ecological community or critically e is likely to have an adverse effect on th occurrence is likely to be placed at risk of extinc modify the composition of the ecological comm risk of extinction.	e extent of the ecol tion, or 🛛 i	ogical community such that its local s likely to substantially and adversely
Potential impacts	There are no endangered communities listed in	the proposed drillir	ng area
	Soil erosion and sediment laden runoff from dis or land degradation. Vegetation removal and activities can temporar Areas cleared for exploration activities, access t	ily impact ecologica	Il communities.
Proposed management controls	n/a		
Duration	No vegetation clearing to occur. Land is relatively flat. Drilling to only occur in dry conditions. Short term duration of activity. All disturbed areas to be rehabilitated in accord Rehabilitation). Rehabilitation to occur as soon a		
Application ranking	Positive		
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No
How resilient is the environment to cope with impacts?	High Resilience	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 for ra	anking
Do the operations comply with	Yes		
standards, plans, policies? Criteria	Habitat of a threatened species or ecological co		
Potential impacts	There are no threatened species or communitie		he proposed drilling area
Proposed management controls	n/a	s recorded within ti	ne proposed drining area
Duration	21		
Application ranking	Positive		
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?	Low
Can the impacts be reversed?	Yes	Ranking of potential significance	Low
Can the impacts be mitigated? Do the operations comply with standards, plans, policies?	Fully Yes	Justification for ra	anking
Criteria	Habitat of protected aquatic species or those w	ith conservation sta	tus.
Potential impacts	There are no threatened species or communitie	s recorded within th	he proposed drilling area
Proposed management controls	n/a		
Duration	21 Desitive		
Application ranking What is the confidence in predicting	Positive	Are further	No
what is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	
How resilient is the environment to	High Resilience	What is the level of public	Low

Vec	Ranking of	Low
	potential	
Fully		anking
	Justification for th	
		-
c. removal of dead wood and dead trees d. inv	asion and establish	ment of exotic species.
There are no threatened species recorded in this location. The small drilling program does not require vegetation clearance. Minor areas of disturbance will be rehabilitated within a couple of months and so minimal impact is envisaged.		
Drill site locations are determined based on are undertaken as soon as is reasonably practicable application. All disturbed areas to be rehabilitated in accord	but within the time	eframe of this drilling approval litions (Exploration Code of Practice:
Rehabilitation). Rehabilitation to occur as soon	as practicable after	completion of activity.
21		
Negligible		
High	Are further studies required on impacts or mitigation?	No
High Resilience	What is the	Low
0	level of public concern?	
Yes	Ranking of potential significance	Low
Fully	-	anking
	Justification for fi	
165		
		e or disturb fauna (including fauna of
vegetation clearance. Minor areas of disturbance		
undertaken as soon as is reasonably practicable application.	but within the time	eframe of this drilling approval
Rehabilitation). Rehabilitation to occur as soon		
Hign	Are further studies required on impacts or mitigation?	No
High Resilience	What is the level of public concern?	Low
Yes	Ranking of potential significance	Low
Fully	Justification for ra	anking
Yes		-
Ecological & Biosecurity Impacts: Any threat to	the biological divers	ity or ecological integrity of an ecologica
community.		
No impact envisaged		
n/a		
AIS - all vehicles will undergo weed and seed cle location of any weed populations on the proper	ty will be confirmed	d with the landholder prior to the
	alteration, removal, clearly or degradation of hac c. removal of dead wood and dead trees d. inv There are no threatened species recorded in thive wegtation clearance. Minor areas of disturbance minimal impact is envisaged. Drill site locations are determined based on are undertaken as soon as is reasonably practicable application. All disturbed areas to be rehabilitated in accord Rehabilitation). Rehabilitation to occur as soon 21 Negligible High High Resilience Yes Barriers to movement of fauna: Any potential to conservation significance) or create a barrier to There are no threatened species recorded in thive wegtation clearance. Minor areas of disturbance minimal impact is envisaged. Drill site locations are determined based on are undertaken as soon as is reasonably practicable application. All disturbed areas to be rehabilitated in accord Rehabilitation). Rehabilitation to occur as soon 21 Negligible High High High All disturbed areas to be rehabilitated in accord	potential significance Fully Justification for r. Yes Invasion and establish There are no threatened species recorded in this location. The sma vegetation clearance. Minor areas of disturbance will be rehabilitat minimal impact is envisaged. Drill site locations are determined based on area of least impact to undertaken as soon as is reasonably practicable but within the time application. All disturbed areas to be rehabilitated in accordance with title cond Rehabilitation). Rehabilitation to occur as soon as practicable after 21 Negligible Are further studies required on mitigation? High Resilience What is the level of public concern? Yes Ranking of potential significance Fully Justification for r. Yes Ranking of potential significance High Resilience What is the level of public concern? Yes Ranking of potential significance Barriers to movement of fauna: Any potential to endanger, displace conservation significance) or create a barrier to their movement. Orill site locations are determined based on area of least impact to undertaken as soon as is reasonably practicable but within the time application. All disturbed areas to be rehabilitated in accordance with title cond Rehabilitation). Rehabilitation to occur as soon as practicable after 21 Megligible High

Duration	21		
Application ranking	Negligible	1	I
What is the confidence in predicting impacts?	High	Are further studies required on	No
		impacts or mitigation?	
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public	Low
Con the imposte he reversed?	Yes	concern?	low
Can the impacts be reversed?	res	Ranking of potential significance	Low
Can the impacts be mitigated?	Fully	Justification for r	anking
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Ecological & Biosecurity Impacts: Creates a bio an area. Includes impacts from the introductio pests and diseases, d. animal diseases, e. n	n of: a. mobilisatio	n of pollutants b. animal pests, c. pla
Potential impacts	No impact envisaged	,,	8
Proposed management controls	n/a		
	AIS - all vehicles will undergo weed and seed c location of any weed populations on the prope commencement of the program, and these are	erty will be confirmed	d with the landholder prior to the
Duration	21		
Application ranking	Negligible		
What is the confidence in predicting	High	Are further	No
impacts?		studies	
		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	High Resilience	What is the	Low
cope with impacts?		level of public concern?	
Can the impacts be reversed?	Yes	Ranking of	Low
		potential	
Can the impacts be mitigated?	Fully	significance Justification for ra	anking
Do the operations comply with	Yes	Justification for the	anning
standards, plans, policies?			
Criteria	Ecological & Biosecurity Impacts: Likely to caus	e a significant bushf	ire risk.
Potential impacts	No impact envisaged	_	
Proposed management controls	n/a		
	AIS - Bushfire - chances of a bushfire are consic open fires allowed at active sites and RFS sites ratings. Locations have minimal vegetation on ground.		
Duration	21		
Application ranking	Negligible		
What is the confidence in predicting	High	Are further	No
impacts?		studies	
		required on	
		tunner of a second	
		impacts or	
How resilient is the environment to	High Resiliance	mitigation?	low
How resilient is the environment to	High Resilience	mitigation? What is the	Low
How resilient is the environment to cope with impacts?	High Resilience	mitigation?	Low
	High Resilience Yes	mitigation? What is the level of public concern? Ranking of potential	Low
cope with impacts? Can the impacts be reversed?	Yes	mitigation? What is the level of public concern? Ranking of potential significance	Low
Can the impacts be reversed? Can the impacts be mitigated?	Yes Partly	mitigation? What is the level of public concern? Ranking of potential	Low
cope with impacts? Can the impacts be reversed?	Yes	mitigation? What is the level of public concern? Ranking of potential significance	Low
Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies?	Yes Partly	mitigation? What is the level of public concern? Ranking of potential significance Justification for re	Low
Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with	Yes Partly Yes Community Resources: Any degradation of infi	mitigation? What is the level of public concern? Ranking of potential significance Justification for re restructure or signific	Low anking cant increase in the demand for services

Duration	21		
Application ranking	Positive		
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?	Then resilience	level of public concern?	
Can the impacts be reversed?	N/A	Ranking of potential significance	Low
Can the impacts be mitigated?	N/A	Justification for ra	anking
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Community Resources: Any diversion of resources	es to the detriment	of other communities or natural systems
Potential impacts	No diversion of resources required		
Proposed management controls	Work will be undertaken in the dry season and	not during extreme	weather events.
Duration	21		
Application ranking			
What is the confidence in predicting impacts?	N/A	Are further studies	No
		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	High Resilience	What is the	Low
cope with impacts?		level of public	
		concern?	
Can the impacts be reversed?	N/A	Ranking of	Low
		potential	
		significance	
Can the impacts be mitigated?	N/A	Justification for ra	anking
Do the operations comply with	Yes		
standards, plans, policies?			
standards, plans, policies? Criteria	Natural Resources: Any disruption, depletion or		
standards, plans, policies? Criteria Potential impacts	Natural Resources: Any disruption, depletion or The proposed drilling program is not anticipated	d to disrupt, deplete	e, or destroy any natural resources
standards, plans, policies? Criteria	Natural Resources: Any disruption, depletion or	d to disrupt, deplete	e, or destroy any natural resources
standards, plans, policies? Criteria Potential impacts	Natural Resources: Any disruption, depletion or The proposed drilling program is not anticipate Work will be undertaken in the dry season and No vegetation clearing.	d to disrupt, deplete	e, or destroy any natural resources
standards, plans, policies? Criteria Potential impacts	Natural Resources: Any disruption, depletion or The proposed drilling program is not anticipate Work will be undertaken in the dry season and	d to disrupt, deplete	e, or destroy any natural resources
standards, plans, policies? Criteria Potential impacts Proposed management controls Duration	Natural Resources: Any disruption, depletion or The proposed drilling program is not anticipate Work will be undertaken in the dry season and No vegetation clearing. Minor disturbance, root stock left. 21	d to disrupt, deplete	e, or destroy any natural resources
standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking	Natural Resources: Any disruption, depletion or The proposed drilling program is not anticipate Work will be undertaken in the dry season and No vegetation clearing. Minor disturbance, root stock left. 21 Negligible	d to disrupt, deplete	e, or destroy any natural resources
standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting	Natural Resources: Any disruption, depletion or The proposed drilling program is not anticipate Work will be undertaken in the dry season and No vegetation clearing. Minor disturbance, root stock left. 21	d to disrupt, deplete not during extreme	e, or destroy any natural resources weather events.
standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking	Natural Resources: Any disruption, depletion or The proposed drilling program is not anticipate Work will be undertaken in the dry season and No vegetation clearing. Minor disturbance, root stock left. 21 Negligible	d to disrupt, deplete not during extreme Are further	e, or destroy any natural resources weather events.
standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting	Natural Resources: Any disruption, depletion or The proposed drilling program is not anticipate Work will be undertaken in the dry season and No vegetation clearing. Minor disturbance, root stock left. 21 Negligible	d to disrupt, deplete not during extreme Are further studies	e, or destroy any natural resources weather events.
standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting	Natural Resources: Any disruption, depletion or The proposed drilling program is not anticipate Work will be undertaken in the dry season and No vegetation clearing. Minor disturbance, root stock left. 21 Negligible	d to disrupt, deplete not during extreme Are further studies required on	e, or destroy any natural resources weather events.
standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting	Natural Resources: Any disruption, depletion or The proposed drilling program is not anticipate Work will be undertaken in the dry season and No vegetation clearing. Minor disturbance, root stock left. 21 Negligible	d to disrupt, deplete not during extreme Are further studies required on impacts or	e, or destroy any natural resources weather events.
standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts?	Natural Resources: Any disruption, depletion or The proposed drilling program is not anticipate Work will be undertaken in the dry season and No vegetation clearing. Minor disturbance, root stock left. 21 Negligible High	d to disrupt, deplete not during extreme Are further studies required on impacts or mitigation?	e, or destroy any natural resources weather events. No
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?	Natural Resources: Any disruption, depletion or The proposed drilling program is not anticipate Work will be undertaken in the dry season and No vegetation clearing. Minor disturbance, root stock left. 21 Negligible High	d to disrupt, deplete not during extreme Are further studies required on impacts or mitigation? What is the	e, or destroy any natural resources weather events. No
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	Natural Resources: Any disruption, depletion or The proposed drilling program is not anticipate Work will be undertaken in the dry season and No vegetation clearing. Minor disturbance, root stock left. 21 Negligible High	d to disrupt, deplete not during extreme Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of	e, or destroy any natural resources weather events. No
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?	Natural Resources: Any disruption, depletion or The proposed drilling program is not anticipated Work will be undertaken in the dry season and No vegetation clearing. Minor disturbance, root stock left. 21 Negligible High	d to disrupt, deplete not during extreme Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	e, or destroy any natural resources weather events. No
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?	Natural Resources: Any disruption, depletion or The proposed drilling program is not anticipated Work will be undertaken in the dry season and No vegetation clearing. Minor disturbance, root stock left. 21 Negligible High High Resilience	d to disrupt, deplete not during extreme Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	e, or destroy any natural resources weather events.
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?	Natural Resources: Any disruption, depletion or The proposed drilling program is not anticipated Work will be undertaken in the dry season and No vegetation clearing. Minor disturbance, root stock left. 21 Negligible High High Resilience Yes Fully	d to disrupt, deplete not during extreme Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	e, or destroy any natural resources weather events.
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	Natural Resources: Any disruption, depletion or The proposed drilling program is not anticipated Work will be undertaken in the dry season and No vegetation clearing. Minor disturbance, root stock left. 21 Negligible High High Resilience	d to disrupt, deplete not during extreme Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	e, or destroy any natural resources weather events.
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?	Natural Resources: Any disruption, depletion or The proposed drilling program is not anticipated Work will be undertaken in the dry season and No vegetation clearing. Minor disturbance, root stock left. 21 Negligible High High Resilience Yes Fully Yes	d to disrupt, deplete not during extreme Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re	e, or destroy any natural resources weather events.
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	Natural Resources: Any disruption, depletion or The proposed drilling program is not anticipated Work will be undertaken in the dry season and No vegetation clearing. Minor disturbance, root stock left. 21 Negligible High High Resilience Yes Fully Yes Natural Resources: Any disruption of existing action	d to disrupt, deplete not during extreme Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra	e, or destroy any natural resources weather events.
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	Natural Resources: Any disruption, depletion or The proposed drilling program is not anticipated Work will be undertaken in the dry season and No vegetation clearing. Minor disturbance, root stock left. 21 Negligible High Pres Fully Yes Natural Resources: Any disruption of existing action ac	d to disrupt, deplete not during extreme Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra citivities which rely of f options for future a	e, or destroy any natural resources weather events.
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?	Natural Resources: Any disruption, depletion or The proposed drilling program is not anticipated Work will be undertaken in the dry season and No vegetation clearing. Minor disturbance, root stock left. 21 Negligible High Pres Fully Yes Natural Resources: Any disruption of existing action of the proposed program will be undertaken at a statement.	d to disrupt, deplete not during extreme Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra- ctivities which rely of f options for future a time appropriate to	e, or destroy any natural resources weather events.
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	Natural Resources: Any disruption, depletion or The proposed drilling program is not anticipated Work will be undertaken in the dry season and No vegetation clearing. Minor disturbance, root stock left. 21 Negligible High Pres Fully Yes Natural Resources: Any disruption of existing action ac	d to disrupt, deplete not during extreme Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra citivities which rely of f options for future a time appropriate to red in paddocks whi	e, or destroy any natural resources weather events.
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 reversed? Do the operations comply with standards, plans, policies? Criteria Potential impacts	Natural Resources: Any disruption, depletion or The proposed drilling program is not anticipated Work will be undertaken in the dry season and No vegetation clearing. Minor disturbance, root stock left. 21 Negligible High High Resilience Yes Fully Yes Natural Resources: Any disruption of existing activities. The drill holes are to be colla	d to disrupt, deplete not during extreme Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra citivities which rely of f options for future a time appropriate to red in paddocks whi	e, or destroy any natural resources weather events. No Low Low anking n natural resources, including forestry, activities). landholders and so will not disrupt any ch are used for grazing purposes
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 reversed? Do the operations comply with standards, plans, policies? Criteria Potential impacts	Natural Resources: Any disruption, depletion or The proposed drilling program is not anticipated Work will be undertaken in the dry season and No vegetation clearing. Minor disturbance, root stock left. 21 Negligible High High Resilience Yes Fully Yes Natural Resources: Any disruption of existing activities. The drill holes are to be colla	d to disrupt, deplete not during extreme Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra citivities which rely of f options for future a time appropriate to red in paddocks whi	e, or destroy any natural resources weather events. No Low Low anking n natural resources, including forestry, activities). landholders and so will not disrupt any ch are used for grazing purposes
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 reversed? Do the operations comply with standards, plans, policies? Criteria Potential impacts	Natural Resources: Any disruption, depletion or The proposed drilling program is not anticipated Work will be undertaken in the dry season and No vegetation clearing. Minor disturbance, root stock left. 21 Negligible High High Resilience Yes Fully Yes Natural Resources: Any disruption of existing activities. The drill holes are to be colla Work will be undertaken in the dry season and	d to disrupt, deplete not during extreme Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re- tivities which rely of options for future a time appropriate to red in paddocks whi not during extreme	e, or destroy any natural resources weather events. No Low Low anking n natural resources, including forestry, activities). landholders and so will not disrupt any ch are used for grazing purposes weather events.
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 reversed? Do the operations comply with standards, plans, policies? Criteria Potential impacts	Natural Resources: Any disruption, depletion or The proposed drilling program is not anticipated Work will be undertaken in the dry season and No vegetation clearing. Minor disturbance, root stock left. 21 Negligible High Yes Fully Yes Natural Resources: Any disruption of existing activities. The drill holes are to be colla Work will be undertaken in the dry season and AlS supplied.	d to disrupt, deplete not during extreme Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra- tivities which rely o f options for future a time appropriate to red in paddocks whi not during extreme	e, or destroy any natural resources weather events. No Low Low anking n natural resources, including forestry, activities). landholders and so will not disrupt any ch are used for grazing purposes weather events. nd use activitites not disturbed.
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 reversed? Do the operations comply with standards, plans, policies? Criteria Potential impacts	Natural Resources: Any disruption, depletion or The proposed drilling program is not anticipated Work will be undertaken in the dry season and No vegetation clearing. Minor disturbance, root stock left. 21 Negligible High Yes Fully Yes Natural Resources: Any disruption of existing activities. The drill holes are to be colla Work will be undertaken in the dry season and AlS supplied. Timing of activity in close consultation with land	d to disrupt, deplete not during extreme Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra- tivities which rely o f options for future a time appropriate to red in paddocks whi not during extreme	e, or destroy any natural resources weather events. No Low Low anking n natural resources, including forestry, activities). landholders and so will not disrupt any ch are used for grazing purposes weather events. nd use activitites not disturbed.
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 reversed? Do the operations comply with standards, plans, policies? Criteria Potential impacts	Natural Resources: Any disruption, depletion or The proposed drilling program is not anticipated Work will be undertaken in the dry season and No vegetation clearing. Minor disturbance, root stock left. 21 Negligible High Yes Fully Yes Natural Resources: Any disruption of existing activities. The drill holes are to be colla Work will be undertaken in the dry season and AlS supplied. Timing of activity in close consultation with land Rehabilitation techniques proposed have been	d to disrupt, deplete not during extreme Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra- tivities which rely o f options for future a time appropriate to red in paddocks whi not during extreme	e, or destroy any natural resources weather events. No Low Low Low anking n natural resources, including forestry, activities). landholders and so will not disrupt any ch are used for grazing purposes weather events. nd use activitites not disturbed.

Llich	م مالد منالد	No
High		No
	· ·	
High Resilience		Low
Yes	-	Low
	-	
Fully	Justification for ra	anking
Yes		
Natural Resources: Any use which results in the	degradation of any	area reserved for conservation purpose
The Macquarie Marshes Wetlands are identified	in the Warren Loca	al Environmental Plan 2012. The low
		0
work will be undertaken in the dry season and i	iot during extreme	weather events.
Drilling occuring in area outside the Macquarie	Marshes Nature Res	Serve.
A solf association document has been complete	d with the outcom	a confirming that there will not be a
	,	8
S		
-	itivities. As per adv	ice applicant received from
High	Are further	No
	studies	
	required on	
	impacts or	
	mitigation?	
High Resilience	What is the	Low
5	level of public	
Yes		Low
	-	2011
	significance	
Fully	Luchification for a	
Fully	Justification for ra	anking
Fully Yes	Justification for ra	anking
Yes		
Yes Sensitive Land Impacts: Impacts on National par		
Yes		
Yes Sensitive Land Impacts: Impacts on National par		
Yes Sensitive Land Impacts: Impacts on National par the National Parks and Wildlife Act 1974.		
Yes Sensitive Land Impacts: Impacts on National par the National Parks and Wildlife Act 1974. N/A		
Yes Sensitive Land Impacts: Impacts on National par the National Parks and Wildlife Act 1974. N/A N/A		
Yes Sensitive Land Impacts: Impacts on National par the National Parks and Wildlife Act 1974. N/A N/A N/A N/A	ks and other areas	reserved or dedicated or acquired under
Yes Sensitive Land Impacts: Impacts on National par the National Parks and Wildlife Act 1974. N/A N/A N/A	ks and other areas	
Yes Sensitive Land Impacts: Impacts on National par the National Parks and Wildlife Act 1974. N/A N/A N/A N/A	ks and other areas Are further studies	reserved or dedicated or acquired unde
Yes Sensitive Land Impacts: Impacts on National par the National Parks and Wildlife Act 1974. N/A N/A N/A N/A	ks and other areas Are further studies required on	reserved or dedicated or acquired unde
Yes Sensitive Land Impacts: Impacts on National par the National Parks and Wildlife Act 1974. N/A N/A N/A N/A	ks and other areas Are further studies required on impacts or	reserved or dedicated or acquired unde
Yes Sensitive Land Impacts: Impacts on National par the National Parks and Wildlife Act 1974. N/A N/A N/A N/A N/A	ks and other areas Are further studies required on impacts or mitigation?	reserved or dedicated or acquired unde
Yes Sensitive Land Impacts: Impacts on National par the National Parks and Wildlife Act 1974. N/A N/A N/A N/A	ks and other areas Are further studies required on impacts or mitigation? What is the	reserved or dedicated or acquired unde
Yes Sensitive Land Impacts: Impacts on National par the National Parks and Wildlife Act 1974. N/A N/A N/A N/A N/A	Are further Are further studies required on impacts or mitigation? What is the level of public	reserved or dedicated or acquired unde
Yes Sensitive Land Impacts: Impacts on National par the National Parks and Wildlife Act 1974. N/A N/A N/A N/A N/A	ks and other areas Are further studies required on impacts or mitigation? What is the	reserved or dedicated or acquired unde
Yes Sensitive Land Impacts: Impacts on National par the National Parks and Wildlife Act 1974. N/A N/A N/A N/A N/A	Are further Are further studies required on impacts or mitigation? What is the level of public	reserved or dedicated or acquired under
Yes Sensitive Land Impacts: Impacts on National par the National Parks and Wildlife Act 1974. N/A N/A N/A N/A N/A	Are further Are further studies required on impacts or mitigation? What is the level of public concern?	neserved or dedicated or acquired under
Yes Sensitive Land Impacts: Impacts on National par the National Parks and Wildlife Act 1974. N/A N/A N/A N/A N/A	Are further Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of	neserved or dedicated or acquired under
Yes Sensitive Land Impacts: Impacts on National par the National Parks and Wildlife Act 1974. 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	n/A
Yes Sensitive Land Impacts: Impacts on National par the National Parks and Wildlife Act 1974. 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	n/A
	Yes Natural Resources: Any use which results in the The Macquarie Marshes Wetlands are identified impact nature of the drilling and small footprint exploration drilling is not declared as designated Work will be undertaken in the dry season and in Drilling occuring in area outside the Macquarie A self-assessment document has been complete significant impact to the Wetlands and Macquarie ensure management of identified risks and sens Commonwealth DCCEEW. 21 Negligible	studies required on impacts or mitigation? High Resilience What is the level of public concern? Yes Ranking of potential significance Fully Justification for regimental Yes Natural Resources: Any use which results in the degradation of any The Macquarie Marshes Wetlands are identified in the Warren Local impact nature of the drilling and small footprint will not result in the exploration drilling is not declared as designated development in the Work will be undertaken in the dry season and not during extreme Drilling occuring in area outside the Macquarie Marshes Nature Resignificant impact to the Wetlands and Macquarie Marshes, sufficie ensure management of identified risks and sensitivities. As per advic Commonwealth DCCEEW. 21 Negligible High Resilience What is the level of public required on impacts or mitigation? High Resilience What is the level of public concern? Yes Ranking of

Criteria	Sensitive Land Impacts: Land subject to a 'conse	ervation agreement	under the National Parks and Wildlife Ac
	1974 and/or the Biodiversity Conservation Act 2	-	
	under the now repealed Threatened Species Co	nservation Act 1995	5) or a Biodiversity Stewardship
	agreement established under the Biodiversity C	onservation Act 201	b. Wildlife Refuge agreement
	established under the Biodiversity Conservation	Act 2016. c. Exist	ing conservation agreements that
	continue to have effect even where legislation I	nas been repealed:	Trust agreements under the
	now repealed Nature Conservation Trust Act 20	01 🛛 Property ve	getation plans made under the now-
	repealed Native Vegetation Act 2003 2 Reg	gistered property ag	reements under the repealed Native
	Vegetation Conservation Act 1997		
Potential impacts	N/A		
Proposed management controls	N/A		
Duration	N/A		
Application ranking	N/A		
What is the confidence in predicting	N/A	Are further	N/A
impacts?		studies	
		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	N/A	What is the	N/A
cope with impacts?		level of public	
cope with impacts.		concern?	
Can the impacts be reversed?	N/A	Ranking of	N/A
can the impacts be reversed?	N/A		N/A
		potential	
		significance	L
Can the impacts be mitigated?	N/A	Justification for ra	anking
Do the operations comply with	N/A		
standards, plans, policies?			
Criteria	Sensitive Land Impacts: Impacts on aquatic rese Management Act 2014. Impacts on Coastal Zon		
Potential impacts	N/A		
Proposed management controls	N/A		
Duration	N/A		
Application ranking	N/A		
		Ano funthon	NI/A
What is the confidence in predicting	N/A	Are further	N/A
impacts?		studies	
		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	N/A	What is the	N/A
cope with impacts?		level of public	
		concern?	
Can the impacts be reversed?	N/A	Ranking of	N/A
		potential	
		significance	
Can the impacts be mitigated?	N/A	Justification for r	anking
Do the operations comply with	N/A		
standards, plans, policies?			
Criteria	Sensitive Land Impacts: Fishing grounds and cor	nmarcial fish broad	ing or nursery areas
Potential impacts			
•	The Macquarie Marshes Wetlands are identified	d in the Warren Loc	al Environmental Plan 2012. The low
	The Macquarie Marshes Wetlands are identified impact nature of the drilling and small footprint	d in the Warren Loca will not result in th	al Environmental Plan 2012. The low e degradation of the Wetlands. Mineral
_	The Macquarie Marshes Wetlands are identified impact nature of the drilling and small footprint exploration drilling is not declared as designate	d in the Warren Loca will not result in th d development in th	al Environmental Plan 2012. The low e degradation of the Wetlands. Mineral ne Warren LEP.
Proposed management controls	The Macquarie Marshes Wetlands are identified impact nature of the drilling and small footprint	d in the Warren Loca will not result in th d development in th	al Environmental Plan 2012. The low e degradation of the Wetlands. Mineral ne Warren LEP.
Proposed management controls	The Macquarie Marshes Wetlands are identified impact nature of the drilling and small footprint exploration drilling is not declared as designate Work will be undertaken in the dry season and	d in the Warren Loca will not result in th d development in th not during extreme	al Environmental Plan 2012. The low e degradation of the Wetlands. Mineral ne Warren LEP. weather events.
Proposed management controls	The Macquarie Marshes Wetlands are identified impact nature of the drilling and small footprint exploration drilling is not declared as designate	d in the Warren Loca will not result in th d development in th not during extreme	al Environmental Plan 2012. The low e degradation of the Wetlands. Mineral ne Warren LEP. weather events.
Proposed management controls	The Macquarie Marshes Wetlands are identified impact nature of the drilling and small footprint exploration drilling is not declared as designate Work will be undertaken in the dry season and	d in the Warren Loca will not result in th d development in th not during extreme quarie Marshes Nat	al Environmental Plan 2012. The low e degradation of the Wetlands. Mineral ne Warren LEP. weather events.
	The Macquarie Marshes Wetlands are identified impact nature of the drilling and small footprint exploration drilling is not declared as designate Work will be undertaken in the dry season and Work being undertaken to the West of the Mac	d in the Warren Loca will not result in th d development in th not during extreme quarie Marshes Nat	al Environmental Plan 2012. The low e degradation of the Wetlands. Mineral ne Warren LEP. weather events.
Duration	The Macquarie Marshes Wetlands are identified impact nature of the drilling and small footprint exploration drilling is not declared as designate Work will be undertaken in the dry season and Work being undertaken to the West of the Mac swampy areas have been excluded from drilling	d in the Warren Loca will not result in th d development in th not during extreme quarie Marshes Nat	al Environmental Plan 2012. The low e degradation of the Wetlands. Mineral ne Warren LEP. weather events.
Duration Application ranking	The Macquarie Marshes Wetlands are identified impact nature of the drilling and small footprint exploration drilling is not declared as designate. Work will be undertaken in the dry season and Work being undertaken to the West of the Mac swampy areas have been excluded from drilling 21 Negligible	d in the Warren Loca will not result in th d development in th not during extreme quarie Marshes Nat	al Environmental Plan 2012. The low e degradation of the Wetlands. Mineral ne Warren LEP. weather events.
Duration Application ranking What is the confidence in predicting	The Macquarie Marshes Wetlands are identified impact nature of the drilling and small footprint exploration drilling is not declared as designate. Work will be undertaken in the dry season and Work being undertaken to the West of the Mac swampy areas have been excluded from drilling 21	d in the Warren Loca will not result in th d development in th not during extreme quarie Marshes Nat area.	al Environmental Plan 2012. The low e degradation of the Wetlands. Mineral ne Warren LEP. weather events. cure Reserve. Surface water sources, and
Duration Application ranking	The Macquarie Marshes Wetlands are identified impact nature of the drilling and small footprint exploration drilling is not declared as designate. Work will be undertaken in the dry season and Work being undertaken to the West of the Mac swampy areas have been excluded from drilling 21 Negligible	d in the Warren Loc. will not result in th d development in th not during extreme quarie Marshes Nat area. Are further studies	al Environmental Plan 2012. The low e degradation of the Wetlands. Mineral ne Warren LEP. weather events. cure Reserve. Surface water sources, and
Duration Application ranking What is the confidence in predicting	The Macquarie Marshes Wetlands are identified impact nature of the drilling and small footprint exploration drilling is not declared as designate. Work will be undertaken in the dry season and Work being undertaken to the West of the Mac swampy areas have been excluded from drilling 21 Negligible	d in the Warren Loc. will not result in th d development in th not during extreme quarie Marshes Nat area. Are further studies required on	al Environmental Plan 2012. The low e degradation of the Wetlands. Mineral ne Warren LEP. weather events. cure Reserve. Surface water sources, and
Duration Application ranking What is the confidence in predicting	The Macquarie Marshes Wetlands are identified impact nature of the drilling and small footprint exploration drilling is not declared as designate. Work will be undertaken in the dry season and Work being undertaken to the West of the Mac swampy areas have been excluded from drilling 21 Negligible	d in the Warren Loc. will not result in th d development in th not during extreme quarie Marshes Nat area. Are further studies required on impacts or	al Environmental Plan 2012. The low e degradation of the Wetlands. Mineral ne Warren LEP. weather events. cure Reserve. Surface water sources, and
Duration Application ranking What is the confidence in predicting impacts?	The Macquarie Marshes Wetlands are identified impact nature of the drilling and small footprint exploration drilling is not declared as designate. Work will be undertaken in the dry season and Work being undertaken to the West of the Mac swampy areas have been excluded from drilling 21 Negligible High	d in the Warren Loc. will not result in th d development in th not during extreme quarie Marshes Nat area. Are further studies required on impacts or mitigation?	al Environmental Plan 2012. The low e degradation of the Wetlands. Mineral e Warren LEP. weather events. ture Reserve. Surface water sources, and No
Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to	The Macquarie Marshes Wetlands are identified impact nature of the drilling and small footprint exploration drilling is not declared as designate. Work will be undertaken in the dry season and Work being undertaken to the West of the Mac swampy areas have been excluded from drilling 21 Negligible	d in the Warren Loc. will not result in th d development in th not during extreme quarie Marshes Nat area. Are further studies required on impacts or mitigation? What is the	al Environmental Plan 2012. The low e degradation of the Wetlands. Mineral ne Warren LEP. weather events. cure Reserve. Surface water sources, and
Duration Application ranking What is the confidence in predicting impacts?	The Macquarie Marshes Wetlands are identified impact nature of the drilling and small footprint exploration drilling is not declared as designate. Work will be undertaken in the dry season and Work being undertaken to the West of the Mac swampy areas have been excluded from drilling 21 Negligible High	d in the Warren Loc. will not result in th d development in th not during extreme quarie Marshes Nat area. Are further studies required on impacts or mitigation? What is the level of public	al Environmental Plan 2012. The low e degradation of the Wetlands. Mineral e Warren LEP. weather events. ture Reserve. Surface water sources, and No
Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	The Macquarie Marshes Wetlands are identified impact nature of the drilling and small footprint exploration drilling is not declared as designate. Work will be undertaken in the dry season and Work being undertaken to the West of the Mac swampy areas have been excluded from drilling 21 Negligible High	d in the Warren Loc. will not result in th d development in th not during extreme quarie Marshes Nat area. Are further studies required on impacts or mitigation? What is the	al Environmental Plan 2012. The low e degradation of the Wetlands. Mineral e Warren LEP. weather events. ture Reserve. Surface water sources, and No
Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to	The Macquarie Marshes Wetlands are identified impact nature of the drilling and small footprint exploration drilling is not declared as designate. Work will be undertaken in the dry season and Work being undertaken to the West of the Mac swampy areas have been excluded from drilling 21 Negligible High	d in the Warren Loc. will not result in th d development in th not during extreme quarie Marshes Nat area. Are further studies required on impacts or mitigation? What is the level of public	al Environmental Plan 2012. The low e degradation of the Wetlands. Mineral e Warren LEP. weather events. ture Reserve. Surface water sources, and No
Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	The Macquarie Marshes Wetlands are identified impact nature of the drilling and small footprint exploration drilling is not declared as designate. Work will be undertaken in the dry season and Work being undertaken to the West of the Mac swampy areas have been excluded from drilling 21 Negligible High	d in the Warren Loc. will not result in th d development in th not during extreme quarie Marshes Nat area. Are further studies required on impacts or mitigation? What is the level of public concern?	al Environmental Plan 2012. The low e degradation of the Wetlands. Mineral te Warren LEP. weather events. ture Reserve. Surface water sources, and No
Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	The Macquarie Marshes Wetlands are identified impact nature of the drilling and small footprint exploration drilling is not declared as designate. Work will be undertaken in the dry season and Work being undertaken to the West of the Mac swampy areas have been excluded from drilling 21 Negligible High	d in the Warren Loc. : will not result in th d development in th not during extreme quarie Marshes Nat area. Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of	al Environmental Plan 2012. The low e degradation of the Wetlands. Mineral te Warren LEP. weather events. ture Reserve. Surface water sources, and No

Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Sensitive Land Impacts: Impacts on other sensitive		
	under the Forestry Act 2012 for conservation va		
	(and other) zones. b. Drinking water catchmer		
	a 'special area' under the Water NSW Act 2014,		0
	Hunter Water Act 1991. c. Waterfront land as		
Potential impacts	The Macquarie Marshes Wetlands are identified		
	impact nature of the drilling and small footprint		-
Duran and an an and an anti-	exploration drilling is not declared as designate		
Proposed management controls	Work will be undertaken in the dry season and	not during extreme	weather events.
	Drilling not occuring on any of the criteria areas		
Duration	21		
Application ranking	Negligible		
What is the confidence in predicting	High	Are further	No
impacts?	1161	studies	
inipacto:		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 r	anking
Do the operations comply with	Yes		0
standards, plans, policies?			
Criteria	Sensitive Land Impacts: Impacts on land reserve	d or dedicated with	in the meaning of the Crown Lands Act
	1989/Crown Lands Management Act 2016 for p		-
	protection purposes.		
Potential impacts	N/A		
Potential impacts Proposed management controls			
•	N/A		
Proposed management controls	N/A N/A		
Proposed management controls Duration	N/A N/A N/A	Are further	N/A
Proposed management controls Duration Application ranking	N/A N/A N/A N/A	Are further studies	N/A
Proposed management controls Duration Application ranking What is the confidence in predicting	N/A N/A N/A N/A		N/A
Proposed management controls Duration Application ranking What is the confidence in predicting	N/A N/A N/A N/A	studies	N/A
Proposed management controls Duration Application ranking What is the confidence in predicting	N/A N/A N/A N/A N/A	studies required on	N/A
Proposed management controls Duration Application ranking What is the confidence in predicting	N/A N/A N/A N/A	studies required on impacts or	N/A N/A
Proposed management controls Duration Application ranking What is the confidence in predicting impacts?	N/A N/A N/A N/A N/A	studies required on impacts or mitigation?	
Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	N/A N/A N/A N/A N/A	studies required on impacts or mitigation? What is the level of public concern?	N/A
Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to	N/A N/A N/A N/A N/A	studies required on impacts or mitigation? What is the level of public	
Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	N/A N/A N/A N/A N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	N/A
Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed?	N/A N/A N/A N/A N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	N/A N/A
Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated?	N/A N/A N/A N/A N/A N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	N/A N/A
Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with	N/A N/A N/A N/A N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	N/A N/A
Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies?	N/A N/A N/A N/A N/A N/A N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re	N/A N/A anking
Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with	N/A N/A N/A N/A N/A N/A N/A N/A Sensitive Land Impacts: Impacts on land identifi	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re	N/A N/A anking
Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria	N/A N/A N/A N/A N/A N/A N/A N/A N/A Sensitive Land Impacts: Impacts on land identifi Wilderness Act 1987.	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re	N/A N/A anking
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	N/A N/A N/A N/A N/A N/A N/A N/A N/A Sensitive Land Impacts: Impacts on land identifi Wilderness Act 1987. N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re	N/A N/A anking
Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls	N/A N/A N/A N/A N/A N/A N/A N/A N/A Sensitive Land Impacts: Impacts on land identifi Wilderness Act 1987. N/A N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re	N/A N/A anking
Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration	N/A N/A N/A N/A N/A N/A N/A N/A N/A Sensitive Land Impacts: Impacts on land identifi Wilderness Act 1987. N/A N/A N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re	N/A N/A anking
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	N/A N/A N/A N/A N/A N/A N/A N/A N/A Sensitive Land Impacts: Impacts on land identifi Wilderness Act 1987. N/A N/A N/A N/A N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re-	N/A N/A anking declared a wilderness area under the
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	N/A N/A N/A N/A N/A N/A N/A N/A N/A Sensitive Land Impacts: Impacts on land identifi Wilderness Act 1987. N/A N/A N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re- ied as wilderness or Are further	N/A N/A anking
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	N/A N/A N/A N/A N/A N/A N/A N/A N/A Sensitive Land Impacts: Impacts on land identifi Wilderness Act 1987. N/A N/A N/A N/A N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re- ded as wilderness or Are further studies	N/A N/A anking declared a wilderness area under the
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	N/A N/A N/A N/A N/A N/A N/A N/A N/A Sensitive Land Impacts: Impacts on land identifi Wilderness Act 1987. N/A N/A N/A N/A N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re- ded as wilderness or Are further studies required on	N/A N/A anking declared a wilderness area under the
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	N/A N/A N/A N/A N/A N/A N/A N/A N/A Sensitive Land Impacts: Impacts on land identifi Wilderness Act 1987. N/A N/A N/A N/A N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re- ded as wilderness or Are further studies required on impacts or	N/A N/A anking declared a wilderness area under the
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?	N/A N/A N/A N/A N/A N/A N/A N/A Sensitive Land Impacts: Impacts on land identifi Wilderness Act 1987. N/A N/A N/A N/A N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re das wilderness or Are further studies required on impacts or mitigation?	N/A N/A declared a wilderness area under the
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? How resilient is the environment to	N/A N/A N/A N/A N/A N/A N/A N/A N/A Sensitive Land Impacts: Impacts on land identifi Wilderness Act 1987. N/A N/A N/A N/A N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re- ded as wilderness or Are further studies required on impacts or mitigation? What is the	N/A N/A anking declared a wilderness area under the
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?	N/A N/A N/A N/A N/A N/A N/A N/A Sensitive Land Impacts: Impacts on land identifi Wilderness Act 1987. N/A N/A N/A N/A N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re- dustification for	N/A N/A declared a wilderness area under the
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? How resilient is the environment to cope with impacts?	N/A N/A N/A N/A N/A N/A N/A N/A Sensitive Land Impacts: Impacts on land identifi Wilderness Act 1987. N/A N/A N/A N/A N/A N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for r ed as wilderness or Are further studies required on impacts or mitigation? What is the level of public concern?	N/A N/A declared a wilderness area under the N/A
Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to	N/A N/A N/A N/A N/A N/A N/A N/A Sensitive Land Impacts: Impacts on land identifi Wilderness Act 1987. N/A N/A N/A N/A N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for r ed as wilderness or Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of	N/A N/A declared a wilderness area under the
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? How resilient is the environment to cope with impacts?	N/A N/A N/A N/A N/A N/A N/A N/A Sensitive Land Impacts: Impacts on land identifi Wilderness Act 1987. N/A N/A N/A N/A N/A N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for r ed as wilderness or Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	N/A N/A declared a wilderness area under the N/A
Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? 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 N/A N/A N/A N/A N/A N/A N/A Sensitive Land Impacts: Impacts on land identifi Wilderness Act 1987. N/A N/A N/A N/A N/A N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for r ed as wilderness or Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of	N/A N/A declared a wilderness area under the N/A N/A

Do the operations comply with	N/A		
standards, plans, policies? Criteria	Sensitive Lands: Impacts on wetlands of interna	 tional significance d	locignated under the Ramsar Convention
Citteria	on Wetlands and those designated as a nationa of Australia.	-	-
Potential impacts	N/A		
Proposed management controls	N/A		
Duration	N/A		
Application ranking	N/A		
What is the confidence in predicting	N/A	Are further	N/A
impacts?	NA	studies	NA
impacts:		required on	
		impacts or	
	51/0	mitigation?	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	N/A
		potential	
		significance	
Can the impacts be mitigated?	Fully	Justification for ra	anking
Do the operations comply with	N/A		
standards, plans, policies?			
Criteria	Sensitive Land Impacts: Impacts on land identifi		
	biodiversity / conservation significance or zoned	d for environmental	conservation, protection and/or
	management. Includes Coastal Wetlands and Li	ttoral rainforests un	der State Environmental Planning Policy
	(Resilience and Hazards) 2021.		
Potential impacts	N/A		
Proposed management controls	N/A		
Duration	N/A		
Application ranking	N/A		
What is the confidence in predicting	N/A	Are further	N/A
impacts?		studies	
impacts.		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	N/A	What is the	N/A
	N/A		N/A
cope with impacts?		level of public concern?	
0	N1 /A		21/2
Can the impacts be reversed?	N/A	Ranking of	N/A
		potential	
		significance	
Can the impacts be mitigated?	N/A	Justification for ra	anking
Do the operations comply with	N/A		
standards, plans, policies?			
Criteria	Sensitive Land Impacts: Impacts on Aboriginal h		
	under the National Parks and Wildlife Act 1974	b. Areas of Aborig	inal cultural significance identified in an
	anvironmental planning instrument		
	environmental planning instrument.		
•	N/A		
Potential impacts Proposed management controls Duration	N/A		
Proposed management controls Duration	N/A N/A		
Proposed management controls Duration Application ranking	N/A N/A N/A	Are further	N/A
Proposed management controls Duration Application ranking What is the confidence in predicting	N/A N/A N/A N/A	Are further studies	N/A
Proposed management controls Duration Application ranking	N/A N/A N/A N/A	studies	N/A
Proposed management controls Duration Application ranking What is the confidence in predicting	N/A N/A N/A N/A	studies required on	N/A
Proposed management controls Duration Application ranking What is the confidence in predicting	N/A N/A N/A N/A	studies required on impacts or	N/A
Proposed management controls Duration Application ranking What is the confidence in predicting impacts?	N/A N/A N/A N/A	studies required on impacts or mitigation?	
Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to	N/A N/A N/A N/A	studies required on impacts or mitigation? What is the	N/A N/A
Proposed management controls Duration Application ranking What is the confidence in predicting impacts?	N/A N/A N/A N/A	studies required on impacts or mitigation? What is the level of public	
Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	N/A N/A N/A N/A N/A	studies required on impacts or mitigation? What is the level of public concern?	N/A
Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to	N/A N/A N/A N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of	
Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	N/A N/A N/A N/A N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	N/A
Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed?	N/A N/A N/A N/A N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	N/A N/A
Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	N/A N/A N/A N/A N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	N/A N/A
Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed?	N/A N/A N/A N/A N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	N/A N/A

Criteria	Sensitive Land Impacts: Impacts on heritage pro internationally recognised heritage sites or area		
	Commonwealth Heritage List) b. Items listed of	on State Heritage	
	identified in an environmental planning instrum	ient	
Potential impacts	N/A		
Proposed management controls	N/A		
Duration	N/A		
Application ranking	N/A		
What is the confidence in predicting	N/A	Are further	N/A
impacts?		studies	
		required on	
		impacts or	
	N1/A	mitigation?	
How resilient is the environment to	N/A	What is the	N/A
cope with impacts?		level of public	
Con the imposts he reversed?	NI / A	concern?	NI/A
Can the impacts be reversed?	N/A	Ranking of	N/A
		potential significance	
Can the impacts be mitigated?	N/A	Justification for ra	anking
Do the operations comply with	N/A N/A	Justification for f	anking
standards, plans, policies?	N/A		
Criteria	Sensitive Land Impacts: Impacts on community	 and classified unde	with a local Covernment Act 1002 (for
Criteria	which a plan of management has been prepared		i the Local Government Act 1995 (10
Potential impacts	N/A	u).	
Proposed management controls	N/A		
Duration	N/A		
Application ranking	N/A		
What is the confidence in predicting	N/A N/A	Are further	N/A
impacts?	N/A	studies	N/A
impacts:		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	N/A	What is the	N/A
cope with impacts?	N/A	level of public	N/A
cope with impacts:		concern?	
Can the impacts be reversed?	N/A	Ranking of	N/A
can the impacts be reversed.		potential	
		significance	
Can the impacts be mitigated?	N/A	Justification for ra	anking
Do the operations comply with	N/A		
standards, plans, policies?			
Criteria	Sensitive Land Impacts: Impacts on bushfire pro	ne areas.	
Potential impacts	The Macquarie Marshes Wetlands are identified	hin the Warren Loc	al Environmental Plan 2012 The low
	impact nature of the drilling and small footprint		
	exploration drilling is not declared as designated		
Proposed management controls	Work will be undertaken in the dry season and		
	Bushfire - chances of a bushfire are considered	minimal but will be	mitigated through a policy of no open
	fires allowed at active sites and RFS sites will be		
	ratings.		C C
Duration	21		
Application ranking	Negligible		
What is the confidence in predicting	High	Are further	No
impacts?		studies	
•		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	High Resilience	What is the	Low
	-	level of public	
cope with impacts?		concern?	
cope with impacts?			Low
	Yes	Ranking of	LOW
cope with impacts? Can the impacts be reversed?	Yes	Ranking of potential	
	Yes	potential	
Can the impacts be reversed?		potential significance	
	Yes Partly Yes	potential	

Criteria	Social Impacts: Any impacts which result in a ch including changes to workforce or industry stru	• •	
	community resources (eg community facilities,		
Potential impacts	The proposed program is small and will not affe		
Proposed management controls	Exploration has been undertaken in this area by		
	has been initiated with affected landholders and the community. A regular flow of information will be provided, and any concerns will be addressed immediately. No issues have been raised to date.		
Duration	21		
Application ranking	Negligible		
What is the confidence in predicting	High	Are further	No
impacts?		studies	140
mpactor		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	N/A	What is the	Low
cope with impacts?		level of public	
		concern?	
Can the impacts be reversed?	Yes	Ranking of	Low
		potential	
		significance	
Can the impacts be mitigated?	Fully	Justification for r	anking
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Social Impacts: Any environmental impact that	may cause substant	ial change or disruption to the communit
	(including loss of facilities or loss of community		
Potential impacts	There will be no impact or change to the comm		proposed drilling program
Proposed management controls	Exploration has been undertaken in this area by		· · · · ·
	has been initiated with affected landholders an		
	provided, and any concerns will be addressed ir		0
Duration	21		
Application ranking	Negligible		
What is the confidence in predicting	High	Are further	No
impacts?		studies	
mpactor		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 r	anking
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Social Impacts: Any impacts which result in som	ne individuals or con	nmunities being significantly
	disadvantaged (e.g. change to community facili	ties, services or labo	our force).
Potential impacts	The small program will not disadvantage the co		
Proposed management controls	Exploration has been undertaken in this area by		
	has been initiated with affected landholders an		
	provided, and any concerns will be addressed ir	,	0
Duration	21	,	
Application ranking	Negligible		
What is the confidence in predicting	High	Are further	No
impacts?		studies	
mpacor		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	High Resilience	What is the	Low
cope with impacts?		level of public	
		concern?	
Can the impacts be reversed?	Yes	Ranking of	Low
can the impacts be reversed:		potential	
		significance	
	Fully	Justification for r	anking
Can the impacts he mitigated?	i uny	Justification for f	univing
Can the impacts be mitigated?	Voc		
Do the operations comply with	Yes		
Do the operations comply with standards, plans, policies?		ty, privacy or wolfer	e of individuals or communities caused by
Do the operations comply with	Yes Social Impacts: Any impacts on the health, safe factors such as pollution, odour, noise, vibration		

Potential impacts	The impacts are minimal and not within proximity to sensitive receptors or communities			
Proposed management controls	Exploration has been undertaken in this area by previous explorers for many years. Community co			
	has been initiated with affected landholders ar	ers and the community. A regular flow of information will be		
	provided, and any concerns will be addressed immediately. No issues have been raised			
Duration	21			
Application ranking	Negligible			
What is the confidence in predicting	High	Are further	No	
impacts?	-	studies		
-		required on		
		impacts or		
		mitigation?		
How resilient is the environment to	High Resilience	What is the	Low	
cope with impacts?		level of public		
		concern?		
Can the impacts be reversed?	Yes	Ranking of	Low	
can the impacts be reversed.		potential	Low	
		significance		
Can the impacts he mitigated?	Fully		ankina	
Can the impacts be mitigated?	Fully	Justification for ranking		
Do the operations comply with	Yes			
standards, plans, policies?				
Criteria	Social Impacts: Effect on a locality, place or bui	0 0		
	architectural, cultural, historical, scientific or so	ocial significance or o	other special value for present or future	
	generations?			
Potential impacts	There will be no detrimental effect on the aest			
Proposed management controls	Exploration has been undertaken in this area b	/ 1 /		
	has been initiated with affected landholders ar	d the community. A	regular flow of information will be	
	provided, and any concerns will be addressed i	mmediately. No issu	es have been raised to date.	
Duration	21			
Application ranking	Negligible			
What is the confidence in predicting	High	Are further	No	
impacts?		studies		
		required on		
		impacts or		
		mitigation?		
How resilient is the environment to	High Resilience	What is the	Low	
	High Resilience		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 r	anking	
Do the operations comply with	Yes			
standards, plans, policies?				
Criteria	Social Impacts: Impacts on communities with s	trong sense of identi	ity.	
Potential impacts	There will be no impact or change to the comm	unity following the	proposed drilling program	
Proposed management controls	Exploration has been undertaken in this area b	v previous explorers	for many years. Community consultation	
		en initiated with affected landholders and the community. A regular flow of inform		
	provided, and any concerns will be addressed i		-	
Duration	21			
Application ranking	Negligible			
What is the confidence in predicting		A up fourth ou	Nie	
	High	Are further	No	
impacts?		studies		
		required on		
		impacts or		
		mitigation?		
How resilient is the environment to	High Resilience	What is the	Low	
cope with impacts?		level of public		
		concern?		
Can the impacts be reversed?	Yes	Ranking of	Low	
		potential		
		significance		
Can the impacts be mitigated?	Fully	Justification for ra	anking	
Do the operations comply with	Yes		Ŭ.	
standards, plans, policies?				
Criteria	Social Impacts: Impacts on disadvantaged com	nunities		
Potential impacts	There will be no impact or change to the comm			
Proposed management controls	Exploration has been undertaken in this area b			
	has been initiated with affected landholders ar		-	
			es have been raised to date.	

Duration	21		
Application ranking	Negligible		
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No
How resilient is the environment to	High Resilience	What is the	Low
cope with impacts?	High Kesilience	level of public concern?	LOW
Can the impacts be reversed?	Yes	Ranking of potential	Low
Con the importance mitianted?	F. II.	significance	
Can the impacts be mitigated? Do the operations comply with	Fully Yes	Justification for ra	anking
standards, plans, policies? Criteria	Economic Impacts: Any impacts which may affe decrease to net economic welfare.	ct economic activity	(positive or negative), including a
Potential impacts	n/a		
Proposed management controls	n/a		
Duration	21		
Application ranking			
What is the confidence in predicting	High	Are further	No
impacts?	піві	studies required on impacts or mitigation?	
How resilient is the environment to cope with impacts?	N/A	What is the level of public	Low
Can the impacts be reversed?	Yes	concern? Ranking of potential	Low
		significance	
Can the impacts be mitigated?	Fully	Justification for ra	anking
Do the operations comply with	Yes	Justification for fa	anking
standards, plans, policies?			
Criteria	Economic Impacts: Any impacts that result in a	decrease in the eco	nomic stability of the community.
Potential impacts	n/a		
Proposed management controls	n/a		
Duration	21		
Application ranking			
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?	Low
Can the impacts be reversed?	Yes	Ranking of potential	Low
		significance	
Can the impacts be mitigated?	Fully	significance Justification for ra	anking
Do the operations comply with standards, plans, policies?	Yes	Justification for ra	
Do the operations comply with standards, plans, policies?	*	Justification for ra	
Do the operations comply with standards, plans, policies?	Yes	Justification for ra	
Do the operations comply with standards, plans, policies? Criteria Potential impacts	Yes Economic Impacts: Any impacts which result in	Justification for ra	
Do the operations comply with standards, plans, policies? Criteria Potential impacts	Yes Economic Impacts: Any impacts which result in n/a	Justification for ra	
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration	Yes Economic Impacts: Any impacts which result in n/a n/a	Justification for ra	
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls	Yes Economic Impacts: Any impacts which result in n/a n/a	Justification for ra a change to the pub Are further studies required on impacts or	
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting	Yes Economic Impacts: Any impacts which result in n/a 21	Justification for ra a change to the pub Are further studies required on	lic sector revenue or expenditure base

Can the impacts be reversed?	Yes	Ranking of potential significance	Low	
Can the impacts be mitigated?	Fully	Justification for r	anking	
Do the operations comply with	Yes		0	
standards, plans, policies?				
Criteria	Heritage Impacts: Any impacts on a locality, place, landscape, building or archaeological relic of heritage significance.			
Potential impacts	There are no listed heritage items, places or areas in this proposed drilling area			
Potential impacts		n/a		
Proposed management controls				
Duration	21			
Application ranking	Positive	1	I	
What is the confidence in predicting	High	Are further	No	
impacts?		studies		
		required on		
		impacts or		
		mitigation?		
How resilient is the environment to	High Resilience	What is the	Low	
cope with impacts?		level of public		
		concern?		
Can the impacts be reversed?	Yes	Ranking of	Low	
-		potential		
		significance		
Can the impacts be mitigated?	Fully	Justification for r	anking	
Do the operations comply with	Yes		<u> </u>	
standards, plans, policies?				
Criteria	Aesthetic Impacts: Any impacts on the visual or	scenic landscape in	ocluding lighting venting or flaring of gas	
Potential impacts	The proposed drilling is more than 500m away f night works so no lights.	rom nearest reside	nce and will likely not be visible at all. No	
Proposed management controls	No drilling within 500m of houses.			
	OPERATION			
Duration	12 hour shifts during daylight hours. 21			
Application ranking	Negligible			
What is the confidence in predicting	High	Are further	No	
impacts?		studies		
		required on		
		impacts or		
		mitigation?		
How resilient is the environment to	N/A	What is the	Low	
cope with impacts?		level of public		
		concern?		
Can the impacts be reversed?	Yes	Ranking of	Low	
		potential		
		significance	i la	
		Jightheanee		
Can the impacts be mitigated?	Fully	Justification for r	anking	
Can the impacts be mitigated? Do the operations comply with	Fully Yes	•	anking	
Do the operations comply with		•	anking	
	Yes	Justification for r	anking	
Do the operations comply with standards, plans, policies? Criteria	Yes Aesthetic Impacts: Areas or items of high aesthe	Justification for r		
Do the operations comply with standards, plans, policies?	Yes Aesthetic Impacts: Areas or items of high aesthe The proposed drilling is more than 500m away f	Justification for r		
Do the operations comply with standards, plans, policies? Criteria	Yes Aesthetic Impacts: Areas or items of high aesthe	Justification for r		
Do the operations comply with standards, plans, policies? Criteria Potential impacts	Yes Aesthetic Impacts: Areas or items of high aesthe The proposed drilling is more than 500m away f night works so no lights. No drilling within 500m of houses.	Justification for r		
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls	Yes Aesthetic Impacts: Areas or items of high aesthe The proposed drilling is more than 500m away f night works so no lights. No drilling within 500m of houses. Operation hours are in daylight hours.	Justification for r		
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration	Yes Aesthetic Impacts: Areas or items of high aesthetic The proposed drilling is more than 500m away f night works so no lights. No drilling within 500m of houses. Operation hours are in daylight hours. 21	Justification for r		
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking	Yes Aesthetic Impacts: Areas or items of high aesthe The proposed drilling is more than 500m away f night works so no lights. No drilling within 500m of houses. Operation hours are in daylight hours. 21 Negligible	Justification for r etic or scenic value. rom nearest reside	nce and will likely not be visible at all. No	
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration	Yes Aesthetic Impacts: Areas or items of high aesthetic The proposed drilling is more than 500m away f night works so no lights. No drilling within 500m of houses. Operation hours are in daylight hours. 21	Justification for r		
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking	Yes Aesthetic Impacts: Areas or items of high aesthe The proposed drilling is more than 500m away f night works so no lights. No drilling within 500m of houses. Operation hours are in daylight hours. 21 Negligible	Justification for r etic or scenic value. rom nearest reside	nce and will likely not be visible at all. No	
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting	Yes Aesthetic Impacts: Areas or items of high aesthe The proposed drilling is more than 500m away f night works so no lights. No drilling within 500m of houses. Operation hours are in daylight hours. 21 Negligible	Justification for r etic or scenic value. rom nearest reside Are further	nce and will likely not be visible at all. No	
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting	Yes Aesthetic Impacts: Areas or items of high aesthe The proposed drilling is more than 500m away f night works so no lights. No drilling within 500m of houses. Operation hours are in daylight hours. 21 Negligible	Justification for r etic or scenic value. from nearest reside Are further studies	nce and will likely not be visible at all. No	
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting	Yes Aesthetic Impacts: Areas or items of high aesthe The proposed drilling is more than 500m away f night works so no lights. No drilling within 500m of houses. Operation hours are in daylight hours. 21 Negligible	Justification for r etic or scenic value. from nearest reside Are further studies required on	nce and will likely not be visible at all. No	
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting	Yes Aesthetic Impacts: Areas or items of high aesthe The proposed drilling is more than 500m away f night works so no lights. No drilling within 500m of houses. Operation hours are in daylight hours. 21 Negligible High	Justification for r etic or scenic value. from nearest reside Are further studies required on impacts or	nce and will likely not be visible at all. No	
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 Aesthetic Impacts: Areas or items of high aesthe The proposed drilling is more than 500m away f night works so no lights. No drilling within 500m of houses. Operation hours are in daylight hours. 21 Negligible	Justification for r etic or scenic value. from nearest reside Are further studies required on impacts or mitigation? What is the	nce and will likely not be visible at all. No	
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 Aesthetic Impacts: Areas or items of high aesthe The proposed drilling is more than 500m away f night works so no lights. No drilling within 500m of houses. Operation hours are in daylight hours. 21 Negligible High	Justification for r etic or scenic value. from nearest reside Are further studies required on impacts or mitigation? What is the level of public	nce and will likely not be visible at all. No	
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 Aesthetic Impacts: Areas or items of high aesthe The proposed drilling is more than 500m away f night works so no lights. No drilling within 500m of houses. Operation hours are in daylight hours. 21 Negligible High	Justification for r etic or scenic value. from nearest reside Are further studies required on impacts or mitigation? What is the level of public concern?	nce and will likely not be visible at all. No	
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 Aesthetic Impacts: Areas or items of high aesthe The proposed drilling is more than 500m away f night works so no lights. No drilling within 500m of houses. Operation hours are in daylight hours. 21 Negligible High	Justification for r etic or scenic value. from nearest reside Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of	nce and will likely not be visible at all. No	
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 Aesthetic Impacts: Areas or items of high aesthe The proposed drilling is more than 500m away f night works so no lights. No drilling within 500m of houses. Operation hours are in daylight hours. 21 Negligible High	Justification for r etic or scenic value. from nearest reside Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	nce and will likely not be visible at all. No	
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 Aesthetic Impacts: Areas or items of high aesthe The proposed drilling is more than 500m away f night works so no lights. No drilling within 500m of houses. Operation hours are in daylight hours. 21 Negligible High	Justification for r etic or scenic value. from nearest reside Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of	nce and will likely not be visible at all. No	

Do the operations comply with	Yes		
standards, plans, policies?	Cultural Impactor Annulistude and file	l ourfoor er come l'	urally modified trace (a constant)
Criteria	Cultural Impacts: Any disturbance of the ground surface or any culturally modified trees (e.g. a scar tree).		
Potential impacts Proposed management controls	The proposed drilling program is not anticipated to disturb or destroy any Aboriginal heritage Should any Aboriginal sites be discovered staff will inform management teams who will record the		
rioposed management controls	information on the AHIMS Mobile APP (which is Heritage NSW preferred method of recording). This site would then be avoided by placing a 30m buffer around it. Any concerns regarding new sites and working in the area will be raised directly with Heritage NSW on 02 9873 8500.		
Duration	21 Desitive		
Application ranking	Positive		Γ
What is the confidence in predicting impacts?	High	Are further studies	No
impacts:		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 be reversed?	Yes	concern? Ranking of	Low
can the impacts be reversed?	res	potential	LOW
		significance	
Can the impacts be mitigated?	Fully	Justification for r	anking
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Cultural Impacts: Any impacts on known Aborig		
Potential impacts	There are no known Aboriginal Sites noted on the		
Proposed management controls	Should any Aboriginal sites be discovered staff will inform management teams who will record the information on the AHIMS Mobile APP (which is Heritage NSW preferred method of recording). This site would then be avoided by placing a 30m buffer around it. Any concerns regarding new sites and working ir the area will be raised directly with Heritage NSW on 02 9873 8500.		
Duration	21		
Application ranking	Positive		
What is the confidence in predicting	High	Are further	No
impacts?		studies	
		required on impacts or	
		mitigation?	
How resilient is the environment to	High Resilience	What is the	Low
cope with impacts?		level of public	
		concern?	
Can the impacts be reversed?	Yes	Ranking of potential	Low
		significance	
Can the impacts be mitigated?	Fully	Justification for ra	anking
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Cultural Impacts: Affects areas where the lands	cape features indica	te the likely presence of Aboriginal
Detertial impacts	objects. There are no landscape features as listed above		
Potential impacts Proposed management controls	Should any Aboriginal sites be discovered staff		ment teams who will record the
	information on the AHIMS Mobile APP (which is	0	
	would then be avoided by placing a 30m buffer		
	the area will be raised directly with Heritage NS	W on 02 9873 8500	
Duration	21		
Application ranking	Positive	And to star	No
What is the confidence in predicting	High	Are further	No
imnacts?		studios	
impacts?		studies required on	
impacts?		studies required on impacts or	
impacts?		required on	
How resilient is the environment to	High Resilience	required on impacts or mitigation? What is the	Low
	High Resilience	required on impacts or mitigation? What is the level of public	Low
How resilient is the environment to cope with impacts?		required on impacts or mitigation? What is the level of public concern?	
How resilient is the environment to	High Resilience Uncertain	required on impacts or mitigation? What is the level of public concern? Ranking of	Low
How resilient is the environment to cope with impacts?		required on impacts or mitigation? What is the level of public concern? Ranking of potential	
How resilient is the environment to cope with impacts?		required on impacts or mitigation? What is the level of public concern? Ranking of	Low
How resilient is the environment to cope with impacts? Can the impacts be reversed?	Uncertain	required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	Low

Criteria	Cultural Impacts: Affects areas subject to native title claims, indigenous land use agreements or joint			
	management arrangements.			
Potential impacts	The proposed drilling area is not within an area where native title may exist. Should any Aboriginal sites be discovered staff will inform management teams who will record the			
Proposed management controls	information on the AHIMS Mobile APP (which is Heritage NSW preferred method of recording).			
	would then be avoided by placing a 30m buffer around it. Any concerns regarding new sites and working in the area will be raised directly with Heritage NSW on 02 9873 8500.			
Duration	21			
Application ranking	Positive			
What is the confidence in predicting	High	Are further	No	
impacts?		studies		
		required on		
		impacts or		
		mitigation?		
How resilient is the environment to	N/A	What is the	Low	
cope with impacts?		level of public		
		concern?		
Can the impacts be reversed?	Uncertain	Ranking of	Low	
		potential		
		significance		
Can the impacts be mitigated?	Fully	Justification for r	anking	
Do the operations comply with	Yes			
standards, plans, policies?				
Criteria	Cultural Impacts: Impacts on Aboriginal commu	inities or areas subje	ect to land rights claims.	
Potential impacts	There are no known Aboriginal Sites noted on th			
Proposed management controls	Should any Aboriginal sites be discovered staff			
	, ,	•		
	information on the AHIMS Mobile APP (which is Heritage NSW preferred method of recording). This site would then be avoided by placing a 30m buffer around it. Any concerns regarding new sites and working in			
	the area will be raised directly with Heritage NS			
Duration	21		-	
Application ranking	Positive			
What is the confidence in predicting	High	Are further	No	
impacts?	1161	studies	110	
impacts:		required on		
		impacts or		
		mitigation?		
How resilient is the environment to	N/A	What is the	Low	
cope with impacts?	NA	level of public	LOW	
cope with impacts:		concern?		
Can the impacts be reversed?	Uncertain	Ranking of	Low	
can the impacts be reversed:	oncertain	potential	LOW	
Can the impacts be mitigated?	Partly	significance Justification for ranking		
Do the operations comply with	Yes	Justification for it		
	res			
standards, plans, policies?		high anthropologica	archaeological architectural cultural	
standards, plans, policies?	Cultural Impacts: Impacts on areas or items of h		, archaeological, architectural, cultural,	
standards, plans, policies? Criteria	Cultural Impacts: Impacts on areas or items of h heritage, historical, recreational or scientific val	lue.		
standards, plans, policies? Criteria Potential impacts	Cultural Impacts: Impacts on areas or items of h heritage, historical, recreational or scientific val The proposed drilling program is not anticipated	lue. d to disturb or destr	oy any Aboriginal heritage	
standards, plans, policies? Criteria Potential impacts	Cultural Impacts: Impacts on areas or items of h heritage, historical, recreational or scientific val The proposed drilling program is not anticipated Should any Aboriginal sites be discovered staff o	lue. d to disturb or destr will inform manager	oy any Aboriginal heritage nent teams who will record the	
standards, plans, policies? Criteria Potential impacts	Cultural Impacts: Impacts on areas or items of h heritage, historical, recreational or scientific val The proposed drilling program is not anticipated Should any Aboriginal sites be discovered staff v information on the AHIMS Mobile APP (which is	lue. d to disturb or destr will inform manager s Heritage NSW pref	oy any Aboriginal heritage nent teams who will record the erred method of recording). This site	
standards, plans, policies? Criteria Potential impacts	Cultural Impacts: Impacts on areas or items of h heritage, historical, recreational or scientific val The proposed drilling program is not anticipated Should any Aboriginal sites be discovered staff v information on the AHIMS Mobile APP (which is would then be avoided by placing a 30m buffer	lue. d to disturb or destr will inform manager s Heritage NSW pref around it. Any conc	oy any Aboriginal heritage nent teams who will record the erred method of recording). This site erns regarding new sites and working ir	
standards, plans, policies? Criteria Potential impacts Proposed management controls	Cultural Impacts: Impacts on areas or items of h heritage, historical, recreational or scientific val The proposed drilling program is not anticipated Should any Aboriginal sites be discovered staff v information on the AHIMS Mobile APP (which is would then be avoided by placing a 30m buffer the area will be raised directly with Heritage NS	lue. d to disturb or destr will inform manager s Heritage NSW pref around it. Any conc	oy any Aboriginal heritage nent teams who will record the erred method of recording). This site erns regarding new sites and working ir	
standards, plans, policies? Criteria Potential impacts Proposed management controls Duration	Cultural Impacts: Impacts on areas or items of h heritage, historical, recreational or scientific val The proposed drilling program is not anticipated Should any Aboriginal sites be discovered staff v information on the AHIMS Mobile APP (which is would then be avoided by placing a 30m buffer the area will be raised directly with Heritage NS 21	lue. d to disturb or destr will inform manager s Heritage NSW pref around it. Any conc	oy any Aboriginal heritage nent teams who will record the erred method of recording). This site erns regarding new sites and working ir	
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standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	Cultural Impacts: Impacts on areas or items of h heritage, historical, recreational or scientific val The proposed drilling program is not anticipated Should any Aboriginal sites be discovered staff v information on the AHIMS Mobile APP (which is would then be avoided by placing a 30m buffer the area will be raised directly with Heritage NS 21 Positive High	d to disturb or destr will inform manager s Heritage NSW pref around it. Any cond SW on 02 9873 8500 Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of	oy any Aboriginal heritage ment teams who will record the ferred method of recording). This site erns regarding new sites and working in	
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Potential impacts	n/a			
Proposed management controls	n/a			
Duration	21			
Application ranking	Positive			
What is the confidence in predicting	High	Are further	No	
impacts?		studies	110	
inpacts:				
		required on		
		impacts or		
		mitigation?		
How resilient is the environment to	N/A	What is the	Low	
cope with impacts?		level of public		
		concern?		
Can the impacts be reversed?	Yes	Ranking of	Low	
		potential		
		significance		
Can the impacts be mitigated?	Fully	Justification for r	anking	
Do the operations comply with	Yes			
standards, plans, policies?				
· · · · ·	Transportation Imports, Substantial imports on		tion systems (road roll nodestrian) which	
Criteria	Transportation Impacts: Substantial impacts on		tion systems (road, rail, pedestrian) whic	
	alter present patterns of circulation or moveme			
Potential impacts	There will be no significant impact on transport	ation from a small t	emporary drilling program	
Proposed management controls	n/a			
Duration	21			
Application ranking	Positive			
What is the confidence in predicting	High	Are further	No	
impacts?		studies		
impacts:		required on		
		impacts or		
		· ·		
		mitigation?		
How resilient is the environment to	N/A	What is the	Low	
cope with impacts?		level of public		
		concern?		
Can the impacts be reversed?	Yes	Ranking of	Low	
		potential		
		significance		
Can the impacts be mitigated?	Fully	Justification for ra	anking	
Do the operations comply with	Yes			
	163			
standards, plans, policies?	Tanana station large stationa at a second state of with	 balive_at_a_v_iv_alive_at_v		
Criteria	Transportation Impacts: Impacts associated wit	in direct or indirect a	additional traffic.	
Potential impacts	There will be no significant impact on transport	ation from a small t	emporary drilling program	
Proposed management controls	n/a			
Duration	21			
Application ranking	Positive			
What is the confidence in predicting	High	Are further	No	
	nigii	studies	NO	
impacts?				
		required on		
		impacts or		
		mitigation?		
How resilient is the environment to	N/A	What is the	Low	
cope with impacts?		level of public		
		concern?		
Can the impacts be reversed?	Yes	Ranking of	Low	
		potential		
		significance		
Constitution of the second sec	- Fully	-		
Can the impacts be mitigated?	Fully	Justification for ra	anking	
Do the operations comply with	Yes			
standards, plans, policies?				
Criteria	Consistency with applicable local strategic plan	ning statements, reg	gional strategic plans or district strategic	
	plans.			
Potential impacts	The Macquarie Marshes Wetlands are identified	d in the Warren Loc	al Environmental Plan 2012 Mineral	
· ·····				
	exploration drilling is not declared as designated development in the Warren LEP. The low impact nature of the drilling and small footprint will not result in the degradation of the Wetlands, one site is within			
		-		
	agricultural land, one site is within a road corric	ion. Iviap and furthe	er information relating to the Macquarie	
	Marshes Wetlands are attached to the APO.			

Proposed management controls	Works occur only during dry season. Limit vehicle movement and stick to tracks where possible. Drive slowly on tracks. Undertake rehabilitation as soon as practicable, most likely as soon as drill rig has moved from site, but otherwise within 3 months of end of drilling. Strong knowledge of the area and good relationships with landholders will ensure rehabilitation methods are undertaken efficiently and effectively. Ensure all staff and contractors maintain high standards of work and care for the environment. All rubbish and equipment removed from site as soon as practicable.			
Duration	21			
Application ranking	Negligible			
What is the confidence in predicting	High	Are further	No	
impacts?		studies required on impacts or mitigation?		
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?	Low	
Can the impacts be reversed?	Uncertain	Ranking of potential significance	Low	
Can the impacts be mitigated?	Partly Justification for ranking			
Do the operations comply with	Yes		č	
standards, plans, policies?				
Criteria	Matters of National Environmental Significance Protection and Biodiversity Conservation Act 19		under the Commonwealth Environmental	
Potential impacts	· · · · · · · · · · · · · · · · · · ·		nunities. 26 listed Threatened species. 9	
Proposed management controls	 On the MNES search there are 4 listed Threatened Ecological Communities, 26 listed Threatened species, 55 Listed Migratory Species, and 4 wetlands of international importance. The 4 listed threatened ecological communities show Coolibah – Black Box Woodlands of the Darling Riverine Plains and the Brigalow Belt South Bioregions, Poplar Box Grassy Woodland on Alluvial Plains, Gree Box (Eucalyptus microcarpa) Grassy Woodlands and Derived Native Grasslands of South-eastern Australia, and Weeping Myall Woodlands are Endangered and communities likely to occur in this area. Of the 26 listed threatened species the Curlew Sandpiper, and Plains-Wanderer are critically endangered an not critical for NSW). The Curlew is migratory and if sighted will be reported to the Department for Environment. This species is not known to breed in Australia, therefore will not be at its most vulnerable if is sighted. The 9 listed migratory species has the Curlew Sandpiper listed as critically endangered – however the link it this species differs stating for NSW this is endangered. Areas of drilling are relatively open, and vegetation is not expected to be impacted, and therefore threatened species should not be impacted. Banrock Station Wetland complex, Riverland, The Coorong, and Lakes Alexandrina and Albert Wetland are over 700km away. The Macquarie Marshes Nature Reserve is located within 10km east of the approval arr educe the risk of impacting threatened ecological communities, threatened species, and threatened migratory species. Vegetation is not to be cleared as part of the program therefore not damaging threatened ecological communities and the habitats of threatened species and threatened migratory species. 			
Duration	migratory species. Vegetation is not to be cleared as part of the procommunities and the habitats of threatened sp Crews are instructed to not interact with wildline 21	ecies and threatene	t damaging threatened ecological d migratory species.	
Duration Application ranking	migratory species. Vegetation is not to be cleared as part of the pr communities and the habitats of threatened sp Crews are instructed to not interact with wildli 21 Positive	ecies and threatene fe or vegetation dur	ot damaging threatened ecological d migratory species. ing the drilling activities.	
Duration	migratory species. Vegetation is not to be cleared as part of the procommunities and the habitats of threatened sp Crews are instructed to not interact with wildline 21	ecies and threatene	t damaging threatened ecological digratory species.	
Duration Application ranking What is the confidence in predicting	migratory species. Vegetation is not to be cleared as part of the pr communities and the habitats of threatened sp Crews are instructed to not interact with wildli 21 Positive	ecies and threatene fe or vegetation duri Are further studies required on impacts or	ot damaging threatened ecological d migratory species. ing the drilling activities.	
Duration Application ranking What is the confidence in predicting impacts?	migratory species. Vegetation is not to be cleared as part of the pr communities and the habitats of threatened sp Crews are instructed to not interact with wildlin 21 Positive High	ecies and threatene fe or vegetation duri Are further studies required on impacts or mitigation?	ot damaging threatened ecological d migratory species. ing the drilling activities.	
Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed?	migratory species. Vegetation is not to be cleared as part of the pr communities and the habitats of threatened sp Crews are instructed to not interact with wildlin 21 Positive High	ecies and threatene fe or vegetation duri Are further studies required on impacts or mitigation? What is the level of public	ot damaging threatened ecological id migratory species. ing the drilling activities.	
Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	migratory species. Vegetation is not to be cleared as part of the pi communities and the habitats of threatened sp Crews are instructed to not interact with wildli 21 Positive High Medium Resilience	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	t damaging threatened ecological d migratory species. ing the drilling activities. No	
Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed?	migratory species. Vegetation is not to be cleared as part of the pr communities and the habitats of threatened sp Crews are instructed to not interact with wildlif 21 Positive High Medium Resilience	ecies and threatene fe or vegetation duri Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	t damaging threatened ecological d migratory species. ing the drilling activities. No	
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?	migratory species. Vegetation is not to be cleared as part of the pro- communities and the habitats of threatened sp Crews are instructed to not interact with wildlif 21 Positive High Medium Resilience Yes Partly Yes	ecies and threatene fe or vegetation duri Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for r	t damaging threatened ecological d migratory species. ing the drilling activities. No Low	
Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria	migratory species. Vegetation is not to be cleared as part of the pi communities and the habitats of threatened sp Crews are instructed to not interact with wildlif 21 Positive High Medium Resilience Yes Partly Yes Cumulative Impacts: Cumulative environmenta	ecies and threatene fe or vegetation duri Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for r	t damaging threatened ecological d migratory species. ing the drilling activities. No Low	
Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts	migratory species. Vegetation is not to be cleared as part of the pi communities and the habitats of threatened sp Crews are instructed to not interact with wildlif 21 Positive High Medium Resilience Yes Partly Yes Cumulative Impacts: Cumulative environmenta n/a	ecies and threatene fe or vegetation duri Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for r	t damaging threatened ecological d migratory species. ing the drilling activities. No Low	
Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls	migratory species. Vegetation is not to be cleared as part of the pi communities and the habitats of threatened sp Crews are instructed to not interact with wildlif 21 Positive High Medium Resilience Yes Partly Yes Cumulative Impacts: Cumulative environmenta n/a n/a	ecies and threatene fe or vegetation duri Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for r	t damaging threatened ecological d migratory species. ing the drilling activities. No Low	
Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts	migratory species. Vegetation is not to be cleared as part of the pi communities and the habitats of threatened sp Crews are instructed to not interact with wildlif 21 Positive High Medium Resilience Yes Partly Yes Cumulative Impacts: Cumulative environmenta n/a	ecies and threatene fe or vegetation duri Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for r	t damaging threatened ecological d migratory species. ing the drilling activities. No Low	

What is the confidence in predicting	High	Are further	No
impacts?		studies	
		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	High Resilience	What is the	Low
cope with impacts?		level of public	
		concern?	
Can the impacts be reversed?	Yes	Ranking of	Low
		potential	
		significance	
Can the impacts be mitigated?	Fully	Justification for r	anking
Do the operations comply with	Yes		
standards, plans, policies?			

FORM: Brief NonCEA (v3.4)

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