

Friday 17 May 2024

Assessable Prospecting Operation Application Decision Briefing and Review of Environmental Factors

Koolaman PASS AC drilling | APO0001736

Decision Maker	Christine Fawcett
Prepared by	Stephen Clipperton
Title	AL 29 (1992)
Authorised Representative	
Project name	Koolaman PASS AC drilling
Activity type	Non-Complying Exploration Activity

Issue

has sought an activity approval in respect of Koolaman PASS AC drilling, within AL 29 (1992), at Euston (Koolaman).

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 AL29 (1992) to undertake assessable prospecting operations. The current security deposit held for AL29 (1992) is \$320,000.

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 Koolaman PASS AC drilling* 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 Koolaman PASS AC drilling is approved.

Refer to RCE Record RCE0001989

Assessment of Impacts (Non-complying exploration activity)

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

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

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

Additional terms (if approved)

No additional terms are required.

Summary

Based on the information provided in the APPLICATION TO UNDERTAKE ASSESSABLE PROSPECTING OPERATIONS Koolaman PASS AC drilling 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, Stephen Clipperton, 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 Koolaman PASS AC drilling 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 impacts on nearby sensitive receptors).		
Potential impacts	Dust production from track use and drilling.		
Proposed management controls	Heavy vehicle traffic will be minimised to essential rig and support truck movement. Maximum speed limits will be prescribed to minimise dust production and track conditions will be monitored daily. Water injection will be used when required to manage dust generated through drilling. All vehicles are fitted with exhaust mufflers engineered to manufacturers specifications. The vehicles will be inspected prior to commencing activities. Should dust creation from either drilling operations or track usage become a concern, the situation will be assessed and managed by amending procedures in consultation with the landowner.		
Duration	2 weeks		
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?	

Review of Environmental Factors document

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	Air Impacts: Greenhouse or ozone impacts.	Air Impacts: Greenhouse or ozone impacts.			
Potential impacts	Dust production from track use and drilling.				
Proposed management controls	Heavy vehicle traffic will be minimised to essential rig and support truck movement. Maximum speed limits				
	will be prescribed to minimise dust production and track conditions will be monitored daily. Water injection				
	will be used when required to manage dust gen	erated through drill	ing. All vehicles are fitted with exhaust		
	mufflers engineered to manufacturers specification	tions. The vehicles v	will be inspected prior to commencing		
	activities.				
	Should dust creation from either drilling operation	ions or track usage	become a concern, the situation will be		
	assessed and managed by amending procedures in consultation with the landowner.				
Duration	2 weeks				
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			
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Can the impacts be reversed?	Yes	Ranking of	LOW		
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Criteria	Air Impacts: Additional impacts on areas with de	l egraded air quality			
Potential impacts	An impacts, Auditional impacts on areas with degraded air quality.				
Proposed management controls	Hospervehicle traffic will be minimized to essent	tial rig and support	truck movement. Maximum speed limits		
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		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?	Water Impacts, Impacts from the use of surface	or groundwater			
		or groundwater.			
Potential impacts	There will be no impact to any water sources.				
Proposed management controls	Sumps will be used to contain all water return f	rom drilling and will	be buried as soon as all water has		
	evaporated.				
	Any water required for drilling activities will be	sourced from a nea	rby town and stored in appropriate		
	containers on the drilling and support vehicles.	The anticipated ave	rage drill depth of each hole is		
	approximately /um with a maximum drill depth	or som. These drill	uppens confine the planned activity to		
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	will be contained in sumps	expected ground Wa	ater emerging nom uncommed aquiters		
Duration	2 weeks				
Application ranking	Positive				
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Can the impacts be mitigated?	Fully	Justification for ra	anking
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Water Impacts: Impacts from storage of water	1	
Detential imposts	There will be no impact to any water courses		
	There will be no impact to any water sources.		
Proposed management controls	Sumps will be used to contain all water return f	rom drilling and will	be buried as soon as all water has
	evaporated.		
	Any water required for drilling activities will be	sourced from a nea	rby town and stored in appropriate
	containers on the drilling and support vehicles.	The anticipated ave	rage drill depth of each hole is
	approximately 70m with a maximum drill denth	of 80m These drill	denths confine the planned activity to
	within the Loxton Parilla Sands formation and w	vill not nenetrate th	a underlying confined aquifer. If the
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	will be contained in sumps.		
Duration	2 weeks		
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		concern?	
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Potential impacts	There will be no impact to any water sources.		
Proposed management controls	Sumps will be used to contain all water return from drilling and will be buried as soon as all water has		
	evaporated.		
	Any water required for drilling activities will be sourced from a nearby town and stored in appropriate		
	containers on the drilling and support vehicles. The anticipated average drill depth of each hole is		
	approximately 70m with a maximum drill depth of 80m. These drill depths confine the planned activity to		
	within the Loxton Parilla Sands formation and w	vill not penetrate th	e underlying confined aquifer. If the
	No ground water is to be extracted, and any up	in cease immediater	y. Not a marging from unconfined aquifars
	will be contained in sumps	expected ground wa	ater emerging from uncommed aquiters
Duration	2 weeks		
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	
	. Mar	concern?	
Can the impacts be reversed?	Yes	Ranking of	LOW
		significance	
Can the impacts be mitigated?	Fully	Justification for ra	anking
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Water Impacts: Impacts from changes to flooding	ng or tidal regimes.	
Potential impacts	There will be no impact to any water sources.		
Proposed management controls	Sumps will be used to contain all water return f	rom drilling and will	be buried as soon as all water has
	evaporated.		
	Any water required for drilling activities will be sourced from a nearby town and stored in appropriate		
	containers on the drilling and support vehicles. The anticipated average drill depth of each hole is		
	approximately 70m with a maximum drill depth of 80m. These drill depths confine the planned activity to		
	drilling does intercept the Geera clay, drilling wi	ill cease immediatel	v.
	No ground water is to be extracted, and any un	expected ground wa	ater emerging from unconfined aquifers
	will be contained in sumps.		
Duration	2 weeks		
Application ranking	Positive		
What is the confidence in predicting	High	Are further	No
impacts?		studies	
		required on	
		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		
standards, plans, policies?	Water Impacts Impacts from changes in surface	 	ulity and guantity
Criteria Detential immedia	There will be an impacts from changes in surface	e of groundwater qu	ality and quantity.
Proposed management controls	Sumps will be used to contain all water return f	rom drilling and will	he huried as soon as all water has
i i oposeu management controis	evaporated.		Se Surreu as soon as all water has
	Any water required for drilling activities will be	sourced from a nea	rby town and stored in appropriate
	containers on the drilling and support vehicles.	The anticipated ave	rage drill depth of each hole is
	approximately 70m with a maximum drill depth	of 80m. These drill	depths confine the planned activity to
	within the Loxton Parilla Sands formation and w	vill not penetrate th	e underlying confined aquifer. If the
	drilling does intercept the Geera clay, drilling wi	ill cease immediatel	у.
	No ground water is to be extracted, and any un	expected ground wa	ater emerging from unconfined aquifers
	will be contained in sumps.		
Duration	2 weeks		
Application ranking	Positive		

What is the confidence in predicting	High	Are further	No
impacts?		studies	
		required on	
		impacts or	
	Lisk Desilience	mitigation?	1
How resilient is the environment to	High Resilience	lovel of public	LOW
cope with impacts?		concern?	
Can the impacts be reversed?	Yes	Ranking of	low
		potential	
		significance	
Can the impacts be mitigated?	Fully	Justification for ra	anking
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Soil & Stability Impacts: Degradation of soil qua	lity (including conta	mination, salinisation or acidification).
Potential impacts	Due to the short term nature of the exploration	drilling, there are n	o impacts to soil quality or land stability.
Proposed management controls	As the planned drill holes are on previously clea	red pads or private	access tracks, compaction of the ground
	from drill activities (incl. site set-up) will be negl	ligible. However, gro	ound compaction will be superficial and
	will not impose adverse effects on the overall gi	round quality. Erosi	on from drilling activities (Incl. venicle
	has <1% gradient over 100m)	be negligible due to	o minor gradient (general surface slope
Duration	2 weeks		
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	
Can the impacts he reversed?	Vec	Ranking of	Low
can the impacts be reversed.		potential	
		significance	
Can the impacts be mitigated?	Fully	Justification for ra	anking
Do the operations comply with	Yes		
standards, plans, policies?			1.40.
Criteria	Soil & Stability Impacts: Impacts on land with hi	l gh agricultural capa	bility.
Criteria Potential impacts	Soil & Stability Impacts: Impacts on land with hi Due to the short term nature of the exploration	l gh agricultural capa drilling, there are n	bility. o impacts to soil quality or land stability.
Criteria Potential impacts Proposed management controls	Soil & Stability Impacts: Impacts on land with hi Due to the short term nature of the exploration As the planned drill holes are on previously clea	gh agricultural capa drilling, there are n red pads or private	bility. to impacts to soil quality or land stability. access tracks, compaction of the ground
Criteria Potential impacts Proposed management controls	Soil & Stability Impacts: Impacts on land with hi Due to the short term nature of the exploration As the planned drill holes are on previously clea from drill activities (incl. site set-up) will be negl will not impose adverse effects on the overall g	l gh agricultural capa drilling, there are n red pads or private ligible. However, gro round quality. Erosi	bility. to impacts to soil quality or land stability. access tracks, compaction of the ground bund compaction will be superficial and on from drilling activities (incl. vehicle
Criteria Potential impacts Proposed management controls	Soil & Stability Impacts: Impacts on land with his Due to the short term nature of the exploration As the planned drill holes are on previously clea from drill activities (incl. site set-up) will be negl will not impose adverse effects on the overall gr movement, site set-up and drilling of holes) will	l gh agricultural capa drilling, there are n red pads or private ligible. However, gro round quality. Erosi be negligible due to	bility. to impacts to soil quality or land stability. access tracks, compaction of the ground bund compaction will be superficial and on from drilling activities (incl. vehicle p minor gradient (general surface slope
Criteria Potential impacts Proposed management controls	Soil & Stability Impacts: Impacts on land with his Due to the short term nature of the exploration As the planned drill holes are on previously clea from drill activities (incl. site set-up) will be negl will not impose adverse effects on the overall go movement, site set-up and drilling of holes) will has <1% gradient over 100m).	l gh agricultural capa drilling, there are n red pads or private ligible. However, gro round quality. Erosio be negligible due to	bility. no impacts to soil quality or land stability. access tracks, compaction of the ground bund compaction will be superficial and on from drilling activities (incl. vehicle o minor gradient (general surface slope
Criteria Potential impacts Proposed management controls Duration	Soil & Stability Impacts: Impacts on land with his Due to the short term nature of the exploration As the planned drill holes are on previously clea from drill activities (incl. site set-up) will be negl will not impose adverse effects on the overall gr movement, site set-up and drilling of holes) will has <1% gradient over 100m). 2 weeks	d gh agricultural capa drilling, there are n red pads or private ligible. However, gro round quality. Erosio be negligible due to	bility. to impacts to soil quality or land stability. access tracks, compaction of the ground bund compaction will be superficial and on from drilling activities (incl. vehicle o minor gradient (general surface slope
Criteria Potential impacts Proposed management controls Duration Application ranking	Soil & Stability Impacts: Impacts on land with his Due to the short term nature of the exploration As the planned drill holes are on previously clea from drill activities (incl. site set-up) will be negl will not impose adverse effects on the overall gr movement, site set-up and drilling of holes) will has <1% gradient over 100m). 2 weeks Positive	drilling, there are n drilling, there are n red pads or private ligible. However, gro round quality. Erosio be negligible due to	bility. to impacts to soil quality or land stability. access tracks, compaction of the ground bund compaction will be superficial and on from drilling activities (incl. vehicle o minor gradient (general surface slope
Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting	Soil & Stability Impacts: Impacts on land with his Due to the short term nature of the exploration As the planned drill holes are on previously clea from drill activities (incl. site set-up) will be negli- will not impose adverse effects on the overall gr movement, site set-up and drilling of holes) will has <1% gradient over 100m). 2 weeks Positive High	gh agricultural capa drilling, there are n red pads or private igible. However, gro round quality. Erosio be negligible due to Are further	bility. to impacts to soil quality or land stability. access tracks, compaction of the ground bund compaction will be superficial and on from drilling activities (incl. vehicle to minor gradient (general surface slope No
Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts?	Soil & Stability Impacts: Impacts on land with his Due to the short term nature of the exploration As the planned drill holes are on previously clea from drill activities (incl. site set-up) will be negli will not impose adverse effects on the overall gr movement, site set-up and drilling of holes) will has <1% gradient over 100m). 2 weeks Positive High	gh agricultural capa drilling, there are n red pads or private ligible. However, gro round quality. Erosid be negligible due to Are further studies	bility. to impacts to soil quality or land stability. access tracks, compaction of the ground bund compaction will be superficial and on from drilling activities (incl. vehicle to minor gradient (general surface slope
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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	Soil & Stability Impacts: Impacts on land with hi Due to the short term nature of the exploration As the planned drill holes are on previously clea from drill activities (incl. site set-up) will be negl will not impose adverse effects on the overall gr movement, site set-up and drilling of holes) will has <1% gradient over 100m). 2 weeks Positive High	gh agricultural capa drilling, there are n red pads or private ligible. However, gro round quality. Erosis be negligible due to Are further studies required on impacts or mitigation?	bility. to impacts to soil quality or land stability. access tracks, compaction of the ground bund compaction will be superficial and on from drilling activities (incl. vehicle to minor gradient (general surface slope No
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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?	Soil & Stability Impacts: Impacts on land with hi Due to the short term nature of the exploration As the planned drill holes are on previously clea from drill activities (incl. site set-up) will be negl will not impose adverse effects on the overall gr movement, site set-up and drilling of holes) will has <1% gradient over 100m). 2 weeks Positive High	gh agricultural capa drilling, there are n red pads or private ligible. However, gro round quality. Erosis be negligible due to Are further studies required on impacts or mitigation? What is the level of public concern?	bility. In impacts to soil quality or land stability. access tracks, compaction of the ground bund compaction will be superficial and on from drilling activities (incl. vehicle o minor gradient (general surface slope No Low
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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?	Soil & Stability Impacts: Impacts on land with hi Due to the short term nature of the exploration As the planned drill holes are on previously clea from drill activities (incl. site set-up) will be negl will not impose adverse effects on the overall gr movement, site set-up and drilling of holes) will has <1% gradient over 100m). 2 weeks Positive High High Resilience	gh agricultural capa drilling, there are n red pads or private ligible. However, gro round quality. Erosis be negligible due to Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	bility. In impacts to soil quality or land stability. access tracks, compaction of the ground bund compaction will be superficial and on from drilling activities (incl. vehicle o minor gradient (general surface slope No Low
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?	Soil & Stability Impacts: Impacts on land with hi Due to the short term nature of the exploration As the planned drill holes are on previously clea from drill activities (incl. site set-up) will be negl will not impose adverse effects on the overall gr movement, site set-up and drilling of holes) will has <1% gradient over 100m). 2 weeks Positive High Yes	gh agricultural capa drilling, there are n red pads or private ligible. However, gro round quality. Erosis be negligible due to Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	bility. In impacts to soil quality or land stability. access tracks, compaction of the ground bund compaction will be superficial and on from drilling activities (incl. vehicle o minor gradient (general surface slope No Low
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?	Soil & Stability Impacts: Impacts on land with hi Due to the short term nature of the exploration As the planned drill holes are on previously clea from drill activities (incl. site set-up) will be negl will not impose adverse effects on the overall gr movement, site set-up and drilling of holes) will has <1% gradient over 100m).	gh agricultural capa drilling, there are n red pads or private igible. However, gro round quality. Erosis be negligible due to Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra	bility. In the second s
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	Soil & Stability Impacts: Impacts on land with hi Due to the short term nature of the exploration As the planned drill holes are on previously clea from drill activities (incl. site set-up) will be negl will not impose adverse effects on the overall gr movement, site set-up and drilling of holes) will has <1% gradient over 100m). 2 weeks Positive High Yes Fully Yes	gh agricultural capa drilling, there are n red pads or private igible. However, gro round quality. Erosic be negligible due to Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra	bility. IN I
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?	Soil & Stability Impacts: Impacts on land with hit Due to the short term nature of the exploration As the planned drill holes are on previously clea from drill activities (incl. site set-up) will be negliging will not impose adverse effects on the overall gr movement, site set-up and drilling of holes) will has <1% gradient over 100m).	gh agricultural capa drilling, there are n red pads or private ligible. However, gro round quality. Erosis be negligible due to Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re	bility. In impacts to soil quality or land stability. In access tracks, compaction of the ground Dound compaction will be superficial and Do n from drilling activities (incl. vehicle Do minor gradient (general surface slope NO Low Low 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 mitigated? Do the operations comply with standards, plans, policies? Criteria	Soil & Stability Impacts: Impacts on land with hit Due to the short term nature of the exploration As the planned drill holes are on previously clea from drill activities (incl. site set-up) will be negliging will not impose adverse effects on the overall grig movement, site set-up and drilling of holes) will has <1% gradient over 100m).	gh agricultural capa drilling, there are n red pads or private ligible. However, gro round quality. Erosis be negligible due to Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra	bility. In impacts to soil quality or land stability. In access tracks, compaction of the ground Dound compaction will be superficial and Do from drilling activities (incl. vehicle Do minor gradient (general surface slope NO NO Low Low anking Do impacts to soil quality or land stability.
Standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls	Soil & Stability Impacts: Impacts on land with hit Due to the short term nature of the exploration As the planned drill holes are on previously clea from drill activities (incl. site set-up) will be negl will not impose adverse effects on the overall gr movement, site set-up and drilling of holes) will has <1% gradient over 100m).	gh agricultural capa drilling, there are n red pads or private ligible. However, gro round quality. Erosis be negligible due to 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. drilling, there are n	bility. In impacts to soil quality or land stability. In access tracks, compaction of the ground bund compaction will be superficial and on from drilling activities (incl. vehicle o minor gradient (general surface slope No Low Low Low o impacts to soil quality or land stability. access tracks, compaction of the ground
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 Proposed management controls	Soil & Stability Impacts: Impacts on land with hi Due to the short term nature of the exploration As the planned drill holes are on previously clea from drill activities (incl. site set-up) will be negl will not impose adverse effects on the overall gr movement, site set-up and drilling of holes) will has <1% gradient over 100m).	gh agricultural capa drilling, there are n red pads or private ligible. However, gro round quality. Erosis be negligible due to 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. drilling, there are n red pads or private	bility. In impacts to soil quality or land stability. In access tracks, compaction of the ground Dound compaction will be superficial and on from drilling activities (incl. vehicle pominor gradient (general surface slope No Low Low Low I or impacts to soil quality or land stability. access tracks, compaction of the ground pound compaction will be superficial and on impacts to soil quality or land stability.
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 Proposed management controls	Soil & Stability Impacts: Impacts on land with hi Due to the short term nature of the exploration As the planned drill holes are on previously clea from drill activities (incl. site set-up) will be negl will not impose adverse effects on the overall gr movement, site set-up and drilling of holes) will has <1% gradient over 100m).	gh agricultural capa drilling, there are n red pads or private ligible. However, gro round quality. Erosis be negligible due to 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. drilling, there are n red pads or private ligible. However, gro	bility. In impacts to soil quality or land stability. In access tracks, compaction of the ground Dound compaction will be superficial and on from drilling activities (incl. vehicle o minor gradient (general surface slope No Low Low Low I or impacts to soil quality or land stability. access tracks, compaction of the ground pound compaction will be superficial and pound compaction will be superficial and pound stability.
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 Proposed management controls	Soil & Stability Impacts: Impacts on land with hi Due to the short term nature of the exploration As the planned drill holes are on previously clea from drill activities (incl. site set-up) will be negl will not impose adverse effects on the overall gr movement, site set-up and drilling of holes) will has <1% gradient over 100m).	gh agricultural capa drilling, there are n red pads or private ligible. However, gro round quality. Erosis be negligible due to 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. drilling, there are n red pads or private ligible. However, gro round quality. Erosis be negligible due to	bility. In o impacts to soil quality or land stability. access tracks, compaction of the ground bound compaction will be superficial and on from drilling activities (incl. vehicle o minor gradient (general surface slope No Low Low Low anking Do impacts to soil quality or land stability. access tracks, compaction of the ground compaction will be superficial and on from drilling activities (incl. vehicle o minor gradient (general surface slope
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 Proposed management controls	Soil & Stability Impacts: Impacts on land with hi Due to the short term nature of the exploration As the planned drill holes are on previously clea from drill activities (incl. site set-up) will be negl will not impose adverse effects on the overall gr movement, site set-up and drilling of holes) will has <1% gradient over 100m).	gh agricultural capa drilling, there are n red pads or private ligible. However, gro round quality. Erosis be negligible due to Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ro r water erosion. drilling, there are n red pads or private ligible. However, gro round quality. Erosis be negligible due to	bility. In the second s
Standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls	Soil & Stability Impacts: Impacts on land with hi Due to the short term nature of the exploration As the planned drill holes are on previously clea from drill activities (incl. site set-up) will be negl will not impose adverse effects on the overall gr movement, site set-up and drilling of holes) will has <1% gradient over 100m).	gh agricultural capa drilling, there are n red pads or private ligible. However, gro round quality. Erosis be negligible due to 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. drilling, there are n red pads or private ligible. However, gro round quality. Erosis be negligible due to	bility. In oimpacts to soil quality or land stability. access tracks, compaction of the ground bound compaction will be superficial and on from drilling activities (incl. vehicle o minor gradient (general surface slope No Low Low Low o impacts to soil quality or land stability. access tracks, compaction of the ground bound compaction will be superficial and on from drilling activities (incl. vehicle o minor gradient (general surface slope o impacts to soil quality or land stability. access tracks, compaction of the ground bound compaction will be superficial and on from drilling activities (incl. vehicle o minor gradient (general surface slope

What is the confidence in predicting impacts?	High	Are further studies	No
		required on	
		impacts or	
How resilient is the environment to	High Posilionso	mitigation?	low
now resilient is the environment to	High Resilience	level of public	LOW
		concern?	
Can the impacts be reversed?	Yes	Ranking of	Low
		potential	
Con the immedia he without d2	F	significance	
Can the impacts be mitigated?	Fully	Justification for ra	anking
standards, plans, policies?	165		
Criteria	Soil & Stability Impacts: Loss of structural integr	ity of the soil.	
Potential impacts	Due to the short term nature of the exploration	drilling, there are n	o impacts to soil quality or land stability.
Proposed management controls	As the planned drill holes are on previously clea	red pads or private	access tracks, compaction of the ground
	from drill activities (incl. site set-up) will be negl	igible. However, gro	ound compaction will be superficial and
	will not impose adverse effects on the overall g	round quality. Erosio	on from drilling activities (incl. vehicle
	movement, site set-up and drilling of holes) will	be negligible due to	o minor gradient (general surface slope
Duration	nas <1% gradient over 100m).		
Application ranking	Positive		
What is the confidence in predicting	High	Are further	No
impacts?		studies	
		required on	
		impacts or	
		mitigation?	1
How resilient is the environment to	High Resilience	what is the	LOW
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		
Criteria	Soil & Stability Impacts: Increased land instabilit	 v with high risks fro	m land slides or subsidence
Potential impacts	Due to the short term nature of the exploration	drilling, there are n	o impacts to soil quality or land stability.
Proposed management controls	As the planned drill holes are on previously clea	red pads or private	access tracks, compaction of the ground
	from drill activities (incl. site set-up) will be negl	igible. However, gro	ound compaction will be superficial and
	will not impose adverse effects on the overall g	round quality. Erosio	on from drilling activities (incl. vehicle
	movement, site set-up and drilling of holes) will	be negligible due to	o minor gradient (general surface slope
Duration	nas <1% gradient over 100m).		
Application ranking	Positive		
What is the confidence in predicting	High	Are further	No
impacts?		studies	
		required on	
		impacts or	
How resilient is the environment to	High Posilionso	mitigation?	low
cope with impacts?	night kesilience	level of public	LOW
		ierei ei public	
Can the impacts be reversed?		concern?	
	Yes	concern? Ranking of	Low
	Yes	concern? Ranking of potential	Low
	Yes	concern? Ranking of potential significance	Low
Can the impacts be mitigated?	Yes Fully	concern? Ranking of potential significance Justification for ra	Low
Can the impacts be mitigated? Do the operations comply with standards, plans, policies?	Yes Fully Yes	concern? Ranking of potential significance Justification for ra	Low
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria	Yes Fully Yes Noise & Vibration Impacts: Results in increased	concern? Ranking of potential significance Justification for ra noise or vibration.	Low
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts	Yes Fully Yes Noise & Vibration Impacts: Results in increased Noise will occur from the air core rig and suppo	concern? Ranking of potential significance Justification for ra noise or vibration. rting vehicle movem	anking
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls	Yes Fully Yes Noise & Vibration Impacts: Results in increased Noise will occur from the air core rig and suppo Local noise disturbance will be produced by the	concern? Ranking of potential significance Justification for ra noise or vibration. rting vehicle moven drill rig and suppor	Low anking nents. t vehicles; however, levels will have
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls	Yes Fully Yes Noise & Vibration Impacts: Results in increased Noise will occur from the air core rig and suppo Local noise disturbance will be produced by the typically reduced to 60-65 decibels (conversation)	concern? Ranking of potential significance Justification for ra noise or vibration. rting vehicle moven drill rig and suppor n level) within 50m	Low anking nents. t vehicles; however, levels will have from the rig. On site activities will occur
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls	Yes Fully Yes Noise & Vibration Impacts: Results in increased Noise will occur from the air core rig and suppor Local noise disturbance will be produced by the typically reduced to 60-65 decibels (conversation seven days a week (including public holidays) but will work bearing protoction where the increase of the second s	concern? Ranking of potential significance Justification for ra- noise or vibration. rting vehicle moven drill rig and suppor n level) within 50m it be limited to dayl	Low anking ments. t vehicles; however, levels will have from the rig. On site activities will occur ight hours only. All staff on the drill site ledgers will be informed price to drill site
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls	Yes Fully Yes Noise & Vibration Impacts: Results in increased Noise will occur from the air core rig and suppo Local noise disturbance will be produced by the typically reduced to 60-65 decibels (conversatio seven days a week (including public holidays) bu will wear hearing protection when equipment is Noise is considered to have a negligible impact	concern? Ranking of potential significance Justification for ra- noise or vibration. rting vehicle moven drill rig and suppor n level) within 50m it be limited to dayl is operating. Land ho on the surrounding	Low anking ments. t vehicles; however, levels will have from the rig. On site activities will occur ight hours only. All staff on the drill site ilders will be informed prior to drilling. environment.
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls	Yes Fully Yes Noise & Vibration Impacts: Results in increased Noise will occur from the air core rig and suppo Local noise disturbance will be produced by the typically reduced to 60-65 decibels (conversatio seven days a week (including public holidays) bu will wear hearing protection when equipment is Noise is considered to have a negligible impact of 2 weeks	concern? Ranking of potential significance Justification for ra- noise or vibration. rting vehicle moven drill rig and suppor n level) within 50m ut be limited to dayl s operating. Land ho on the surrounding	Low anking hents. t vehicles; however, levels will have from the rig. On site activities will occur ight hours only. All staff on the drill site iders will be informed prior to drilling. environment.
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking	Yes Fully Yes Noise & Vibration Impacts: Results in increased Noise will occur from the air core rig and suppo Local noise disturbance will be produced by the typically reduced to 60-65 decibels (conversatio seven days a week (including public holidays) bu will wear hearing protection when equipment is Noise is considered to have a negligible impact of 2 weeks Positive	concern? Ranking of potential significance Justification for ra noise or vibration. rting vehicle moven drill rig and suppor n level) within 50m it be limited to dayl soperating. Land ho on the surrounding	Low anking hents. t vehicles; however, levels will have from the rig. On site activities will occur ight hours only. All staff on the drill site lders will be informed prior to drilling. environment.

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
cone with impacts?	right testilence	level of public	
cope with impacts:		concorn?	
Can the impacts he reversed?	Voc	Panking of	Low
can the impacts be reversed:	165	national	LOW
		potential	
	5 U	Significance	
Can the impacts be mitigated?	Fully	Justification for ra	anking
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Noise & Vibration Impacts: Affects sensitive rec	eptors.	
Potential impacts	Noise will occur from the air core rig and suppo	rting vehicle moven	nents.
Proposed management controls	Local noise disturbance will be produced by the	drill rig and suppor	t vehicles; however, levels will have
	typically reduced to 60-65 decibels (conversatio	n level) within 50m	from the rig. On site activities will occur
	seven days a week (including public holidays) bu	ut be limited to dayl	ight hours only. All staff on the drill site
	will wear hearing protection when equipment is	operating. Land ho	olders will be informed prior to drilling.
	Noise is considered to have a negligible impact	on the surrounding	environment.
Duration	2 weeks	0	
Application ranking	Positive		
What is the confidence in predicting	High	Are further	No
what is the confidence in predicting	111811	Are further	
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		
standards, plans, policies?			
Criteria	Coastal Location & Processes: Affects coastal pr	ocesses and coastal	hazards, including those under projected
	climate change conditions.		
Potential impacts	N/A		
Proposed management controls	N/A		
Duration	2 weeks		
Application ranking	Positive		
What is the confidence in predicting	N/A	Are further	NI/A
what is the confidence in predicting	N/A	Are further	N/A
impacts:		studies	
		required on	
		impacts or	
	21/0	mitigation	
How resilient is the environment to	N/A	what is the	LOW
cope with impacts?		level of public	
		concern?	
Can the impacts be reversed?	N/A	Ranking of	Low
		potential	
		significance	
Can the impacts be mitigated?	N/A	Justification for ra	anking
Do the operations comply with	No		
standards, plans, policies?			
Criteria	Hazardous substances or chemicals: Impacts ass	sociated with the us	e, generation, storage or transport of
	hazardous substances or chemicals.		
Potential impacts	Drilling polymers will be sparsely used, and they	are non-toxic and l	biodegradable.
Proposed management controls	All chemical and hazardous substances will be s	tored in sealed cont	ainers with appropriate signage in place.
	Safety Data Sheets will be available on site for a	Il chemicals present	t and storage guidelines adhered to
	strictly. Regular inspection of chemical storage	will be enacted prio	r to, during, and after active drilling
	operations. All vehicles are inspected daily for le	eaks. All chemical ar	nd hydrocarbon spillages, regardless of
	size, are reportable within Iluka's internal report	ting system. Hydroc	arbon spill kits are carried in each vehicle
Duration	2 weeks		
Duration Application ranking	2 weeks Positive		

What is the confidence in predicting	High	Are further	No
impacts?		studies	
		required on	
		mitigation?	
How resilient is the environment to	High Resilience	What is the	Low
cope with impacts?	5	level of public	
		concern?	
Can the impacts be reversed?	Yes	Ranking of	Low
		significance	
Can the impacts be mitigated?	Fully	Justification for ra	anking
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Wastes & Emissions: Impacts to the environmen	nt resulting from the	e generation or disposal of wastes.
Potential impacts	brilling polymers will be sparsely used, and they in sumps.	are non-toxic and i	biodegradable. All waste will be contained
Proposed management controls	Where possible, drill holes will be infilled with e	excess drill spoils, wi	th any larger or excess material buried in
	the sump during site rehabilitation. Sump const	ruction will be suffic	cient to contain all drill spoil and drill
	fluids. In the unlikely event that holes produce a	an excessive amoun	t of water return from drilling, the sumps
Duration	will be incrementally increased to contain drill f	luids.	
Application ranking	Positive		
What is the confidence in predicting	High	Are further	No
impacts?		studies	
		required on	
		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
		significance	
Can the impacts be mitigated?	Fully	Justification for ra	anking
Do the operations comply with	Yes		
standards, plans, policies?	Master 9 Facini and Incode an Ariabian water		
Criteria	or flood prone areas.	catchments, wettar	ius, natural water boules, npanan zones
Potential impacts	No ground water is to be extracted or affected, and any unexpected ground water emerging from		
	unconfined aquifers will be contained in sumps.		
Proposed management controls	Where possible, drill holes will be infilled with e	excess drill spoils, wi	th any larger or excess material buried in
	the sump during site renabilitation. Sump const fluids in the unlikely event that holes produce a	ruction will be suffice	t of water return from drilling, the sumps
	will be incrementally increased to contain drill f	luids.	
Duration	2 weeks		
Application ranking	Positive		
What is the confidence in predicting	High	Are further studies	No
inpucts.		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	High Resilience	What is the	Low
cope with impacts:		concern?	
Can the impacts be reversed?	Yes	Ranking of	Low
		potential	
Con the immedia he mitigated	E.U.	significance	
Can the impacts be mitigated?	Fully Yes	Justification for ra	anking
standards, plans, policies?			
Criteria	Wastes & Emissions: Impacts on groundwater re	echarge areas or are	eas with high water table.
Potential impacts	No ground water is to be extracted or affected,	and any unexpected	d ground water emerging from
Proposed management controls	unconfined adulters will be contained in sumps.		
Proposed management controls	Where possible, drill holes will be infilled with e	excess drill spoils, wi	th any larger or excess material buried in
Proposed management controls	Where possible, drill holes will be contained in sumps. Where possible, drill holes will be infilled with e the sump during site rehabilitation. Sump const	excess drill spoils, wi ruction will be suffic	th any larger or excess material buried in cient to contain all drill spoil and drill
Proposed management controls	Where possible, drill holes will be contained in sumps. Where possible, drill holes will be infilled with e the sump during site rehabilitation. Sump const fluids. In the unlikely event that holes produce a	excess drill spoils, wi ruction will be suffic an excessive amoun	th any larger or excess material buried in cient to contain all drill spoil and drill t of water return from drilling, the sumps
	where possible, drill holes will be contained in sumps. Where possible, drill holes will be infilled with e the sump during site rehabilitation. Sump const fluids. In the unlikely event that holes produce a will be incrementally increased to contain drill f	excess drill spoils, wi ruction will be suffic an excessive amoun luids.	th any larger or excess material buried in cient to contain all drill spoil and drill t of water return from drilling, the sumps

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	Low
		potential	
Con the imposts he mitigated?	Fully	significance	autina
Can the impacts be mitigated?	Fully	Justification for ra	апкіпд
bo the operations comply with	res		
Criteria	Wastes and Emissions: Impacts on coastlines or	dunes alnine areas	karst features or other unique
ententa	landforms.	duries, alpine areas	, kulst leatures of other anduc
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	
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 ra	anking
Do the operations comply with	N/A		
standards, plans, policies?			
Criteria	wastes & Emissions: Impacts on erosion prone	areas, areas with sid	opes of greater than 18 degrees.
Potential impacts	N/A		
Proposed management controls	N/A		
Duration	N/A		
Application ranking	N/A	Ana fronth an	51/0
what is the confidence in predicting	N/A	Are further	N/A
impacts:		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	N/A	What is the	
cope with impacts?	,	level of public	
		concern?	
Can the impacts be reversed?	N/A	Ranking of	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?		1.	
Criteria	Wastes & Emissions: Impacts on subsidence or s	slip areas.	
Potential impacts	No ground water is to be extracted or affected,	and any unexpected	d ground water emerging from
	unconfined aquifers will be contained in sumps.		
Proposed management controls	Where possible, drill holes will be infilled with e	xcess drill spoils, wi	th any larger or excess material buried in
	fluids in the unlikely event that below are due of	nuction will be suffic	t of water return from drilling the summer
	will be incrementally increased to contain drill f	m excessive amoun	t or water return from unling, the sumps
Duration	2 wooks	10103.	
Application ranking	2 weeks Positive		
What is the confidence in predicting	High	Are further	No
imnarte?	ייסיי'	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 be reversed?	Yes	Ranking of	Low
		potential	
Can the impacts he mitigated?	Fully	significance	anking
Do the operations comply with	Yes	Justilication for h	
standards, plans, policies?			
Criteria	Wastes & Emissions: Impacts on areas with acid	sulphate, sodic or l	nighly permeable soils.
Potential impacts	NA		
Proposed management controls	NA		
Application ranking	2 Weeks		
What is the confidence in predicting	N/A	Are further	N/A
impacts?		studies	
		required on	
		impacts or	
How recilient is the environment to	N/A	mitigation?	N/A
cope with impacts?	N/A	level of public	N/A
		concern?	
Can the impacts be reversed?	N/A	Ranking of	Low
		potential	
Can the impacts be mitigated?	N/A	significance	anking
Do the operations comply with	N/A	Justification for th	
standards, plans, policies?	, 		
Criteria	Wastes & Emissions: Impacts on areas with salir	nity or potential sali	nity problems.
Potential impacts	No ground water is to be extracted or affected, and any unexpected ground water emerging from unconfined aquifers will be contained in sumps.		
Proposed management controls	Where possible, drill holes will be infilled with excess drill spoils, with any larger or excess material buried in		
	the sump during site rehabilitation. Sump construction will be sufficient to contain all drill spoil and drill fluids. In the unlikely event that holes produce an excessive amount of water return from drilling, the summer		
	will be incrementally increased to contain drill fluids.		
Duration	2 weeks		
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	
Can the impacts he reversed?	Vec	Concern? Ranking of	Low
cur the impacts serverseu.		notential	2000
		potential	
		significance	
Can the impacts be mitigated?	Fully	significance	anking
Can the impacts be mitigated? Do the operations comply with	Fully Yes	significance Justification for ra	anking
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria	Fully Yes Wastes & Emissions: Impacts on areas with deg	significance Justification for ra	anking ted land.
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts	Fully Yes Wastes & Emissions: Impacts on areas with deg No ground water is to be extracted or affected.	significance Justification for ra raded or contamina and any unexpected	anking ted land. d ground water emerging from
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts	Fully Yes Wastes & Emissions: Impacts on areas with degr No ground water is to be extracted or affected, unconfined aquifers will be contained in sumps.	significance Justification for ra raded or contamina and any unexpected	anking ted land. d ground water emerging from
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls	Fully Yes Wastes & Emissions: Impacts on areas with deg No ground water is to be extracted or affected, unconfined aquifers will be contained in sumps. Where possible, drill holes will be infilled with e the sump during site rehabilitation. Sump const	significance Justification for ra raded or contamina and any unexpecter xcess drill spoils, wi	ted land. d ground water emerging from th any larger or excess material buried in right to contain all drill spoil and drill
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls	Fully Yes Wastes & Emissions: Impacts on areas with deg No ground water is to be extracted or affected, unconfined aquifers will be contained in sumps. Where possible, drill holes will be infilled with e the sump during site rehabilitation. Sump const fluids. In the unlikely event that holes produce a	significance Justification for ra raded or contamina and any unexpecter xcess drill spoils, wi ruction will be suffi n excessive amoun	anking ted land. d ground water emerging from th any larger or excess material buried in cient to contain all drill spoil and drill t of water return from drilling, the sumps
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls	Fully Yes Wastes & Emissions: Impacts on areas with degr No ground water is to be extracted or affected, unconfined aquifers will be contained in sumps. Where possible, drill holes will be infilled with e the sump during site rehabilitation. Sump const fluids. In the unlikely event that holes produce a will be incrementally increased to contain drill f	significance Justification for ra raded or contamina and any unexpected xcess drill spoils, wi ruction will be suffi an excessive amoun luids.	anking ted land. d ground water emerging from th any larger or excess material buried in cient to contain all drill spoil and drill t of water return from drilling, the sumps
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration	Fully Yes Wastes & Emissions: Impacts on areas with degr No ground water is to be extracted or affected, unconfined aquifers will be contained in sumps. Where possible, drill holes will be infilled with e the sump during site rehabilitation. Sump const fluids. In the unlikely event that holes produce a will be incrementally increased to contain drill fl 2 weeks	significance Justification for ra raded or contamina and any unexpected xcess drill spoils, wi ruction will be suffi an excessive amoun luids.	anking ted land. d ground water emerging from th any larger or excess material buried in cient to contain all drill spoil and drill t of water return from drilling, the sumps
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking	Fully Yes Wastes & Emissions: Impacts on areas with degr No ground water is to be extracted or affected, unconfined aquifers will be contained in sumps. Where possible, drill holes will be infilled with e the sump during site rehabilitation. Sump const fluids. In the unlikely event that holes produce a will be incrementally increased to contain drill fl 2 weeks Positive	significance Justification for ra raded or contamina and any unexpected xcess drill spoils, wi ruction will be suffi an excessive amoun luids.	ted land. d ground water emerging from th any larger or excess material buried in cient to contain all drill spoil and drill t of water return from drilling, the sumps
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	Fully Yes Wastes & Emissions: Impacts on areas with degr No ground water is to be extracted or affected, unconfined aquifers will be contained in sumps. Where possible, drill holes will be infilled with e the sump during site rehabilitation. Sump const fluids. In the unlikely event that holes produce a will be incrementally increased to contain drill fl 2 weeks Positive High	significance Justification for ra and any unexpected xcess drill spoils, wi ruction will be suffic an excessive amoun luids. Are further	ted land. d ground water emerging from th any larger or excess material buried in cient to contain all drill spoil and drill t of water return from drilling, the sumps No
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?	Fully Yes Wastes & Emissions: Impacts on areas with degr No ground water is to be extracted or affected, unconfined aquifers will be contained in sumps. Where possible, drill holes will be infilled with e the sump during site rehabilitation. Sump const fluids. In the unlikely event that holes produce a will be incrementally increased to contain drill fl 2 weeks Positive High	and any unexpected significance Justification for ra- raded or contamina and any unexpected xcess drill spoils, wi ruction will be suffic an excessive amoun luids. Are further studies required on	anking ted land. d ground water emerging from th any larger or excess material buried in cient to contain all drill spoil and drill t of water return from drilling, the sumps No
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?	Fully Yes Wastes & Emissions: Impacts on areas with degr No ground water is to be extracted or affected, unconfined aquifers will be contained in sumps. Where possible, drill holes will be infilled with e the sump during site rehabilitation. Sump const fluids. In the unlikely event that holes produce a will be incrementally increased to contain drill fl 2 weeks Positive High	and any unexpected raded or contamina and any unexpected xcess drill spoils, wi ruction will be suffi an excessive amoun luids. Are further studies required on impacts or	anking ted land. d ground water emerging from th any larger or excess material buried in cient to contain all drill spoil and drill t of water return from drilling, the sumps No
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?	Fully Yes Wastes & Emissions: Impacts on areas with deg. No ground water is to be extracted or affected, unconfined aquifers will be contained in sumps. Where possible, drill holes will be infilled with e the sump during site rehabilitation. Sump const fluids. In the unlikely event that holes produce a will be incrementally increased to contain drill fl 2 weeks Positive High	significance Justification for ra raded or contamina and any unexpected xcess drill spoils, wi ruction will be suffi in excessive amoun luids. Are further studies required on impacts or mitigation?	anking ted land. d ground water emerging from th any larger or excess material buried in cient to contain all drill spoil and drill t of water return from drilling, the sumps No
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	Fully Yes Wastes & Emissions: Impacts on areas with deg No ground water is to be extracted or affected, unconfined aquifers will be contained in sumps. Where possible, drill holes will be infilled with e the sump during site rehabilitation. Sump const fluids. In the unlikely event that holes produce a will be incrementally increased to contain drill ft 2 weeks Positive High High Resilience	and any unexpected and any unexpected xcess drill spoils, wi ruction will be suffi an excessive amoun luids. Are further studies required on impacts or mitigation? What is the	anking ted land. d ground water emerging from th any larger or excess material buried in cient to contain all drill spoil and drill t of water return from drilling, the sumps No
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?	Fully Yes Wastes & Emissions: Impacts on areas with deg No ground water is to be extracted or affected, unconfined aquifers will be contained in sumps. Where possible, drill holes will be infilled with e the sump during site rehabilitation. Sump const fluids. In the unlikely event that holes produce a will be incrementally increased to contain drill fl 2 weeks Positive High High Resilience	significance Justification for ra raded or contamina and any unexpected xcess drill spoils, wi ruction will be suffi an excessive amoun luids. Are further studies required on impacts or mitigation? What is the level of public	anking ted land. d ground water emerging from th any larger or excess material buried in cient to contain all drill spoil and drill t of water return from drilling, the sumps No

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 standards, plans, policies?	Yes			
Criteria	Wastes & Emissions: Impacts on areas with degraded or contaminated water (ground or surface).			
Potential impacts	No ground water is to be extracted or affected,	No ground water is to be extracted or affected, and any unexpected ground water emerging from		
	unconfined aquifers will be contained in sumps.			
Proposed management controls	Where possible, drill holes will be infilled with e	Where possible, drill holes will be infilled with excess drill spoils, with any larger or excess material buried in		
	fluids. In the unlikely event that heles produce a	ruction will be sume	t of water return from drilling, the sumps	
	will be incrementally increased to contain drill f	luids.	t of water return from drining, the sumps	
Duration	2 weeks			
Application ranking	Positive			
What is the confidence in predicting	High	Are further	No	
impacts?		studies		
		required on		
		impacts or		
How resilient is the environment to	High Posilionco	Miligation:	Low	
cope with impacts?	High Resilience	level of public	LOW	
cope with impacts.		concern?		
Can the impacts be reversed?	Yes	Ranking of	Low	
		potential		
		significance		
Can the impacts be mitigated?	Fully	Justification for ra	anking	
Do the operations comply with standards, plans, policies?	Yes			
Criteria	Vegetation: Any clearing or modification of vege	etation (including im	npacts on wildlife corridors, remnant	
	vegetation & habitat for species of conservation	n significance).		
Potential impacts	Drill sites have been chosen to remove the requ	irement for any veg	setation clearing. This will eliminate the	
	he moved to clear areas to reduce impacts to vegetation. No vegetation pative grasses or plant litter will be			
	removed from site.			
	Vegetation comprises Plant Community Type (PCT) 170: Chenopod sandplain mallee woodland/shrubland of			
	the arid and semi-arid (warm) zones, PCT 171: Spinifex linear dune mallee mainly of the Murray Darling			
	Depression Bioregion and PCT 58 Black Oak – W	Depression Bioregion and PCT 58 Black Oak – Western Rosewood open woodland on deep sandy loams		
	mainly in the Murray Darling Depression Bioreg	ion.		
	Vegetation condition is poor to moderate due to	o agricultural grazin	g.	
Proposed management controls	Drill sites and access tracks have been chosen to	o remove the requir	ement for any vegetation clearing. This	
	will eliminate the need to clear any areas of sen	sitive flora. Access	will be conducted using existing tracks and	
	litter will be removed from site. The impact of t	his activity on vegetat	ation is negligible	
Duration	2 weeks	ins detivity on veget		
Application ranking	Positive			
What is the confidence in predicting	High	Are further	No	
impacts?		studies		
		required on		
		impacts or		
	Lligh Desiliones	mitigation?	low	
cope with impacts?	High Resilience	level of public	LOW	
cope with impacts.		concern?		
Can the impacts be reversed?	Yes	Ranking of	Low	
-		potential		
		significance		
Can the impacts be mitigated?	Fully	Justification for ra	anking	
Do the operations comply with	Yes			
standards, plans, policies?			and the second	
Criteria	Inreatened Fauna Species: Any adverse effect o	on the life cycle of a	ny threatened species such that a viable tion	
Potential impacts	A BioNet search of threatened and endangered	fauna for the prope	used drill area was performed and a	
	record is attached to the application. Endangered	ed species identified	I near the project area include the	
	Malleefowl, Western Pygmy possum and the M	allee-worm lizard. V	Vhere Malleefowl or Malleefowl nests are	
	identified, the location will be recorded and no drilling will occur within a 200m radius.			

Proposed management controls	As drill holes are planned on existing tracks, disturbance is temporary in nature, and activities restricted to			
	daylight hours, adverse effects on local flora and fauna are not expected. In addition, as rehabilitation will			
	expected to have any effect on flora or fauna.			
Duration	2 weeks			
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		
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	Threatened Flora Species: Any adverse effect or	n the life cycle of an	y threatened species such that a viable	
Potential impacts	Iocal population of the species is likely to be pla	ced at risk of extinc	tion.	
Potential impacts	A Bionet search of threatened and endangered	ad species identifier	hear the project area include the	
	Malleefowl Western Pygmy possum and the M	allee-worm lizard	Where Malleefowl or Malleefowl nests are	
	identified, the location will be recorded and no	drilling will occur w	ithin a 200m radius.	
Proposed management controls	As drill holes are planned on existing tracks, dist	turbance is tempora	ary in nature, and activities restricted to	
	daylight hours, adverse effects on local flora and	d fauna are not exp	ected. In addition, as rehabilitation will	
	take place almost immediately after completion	of activities, the sh	ort term nature of the activity is not	
	expected to have any effect on flora or fauna.			
Duration	2 weeks			
Application ranking	Negligible			
What is the confidence in predicting	High	Are further	NO	
Impactsr		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 he mitigated?		significance		
Call the initiality of initiality	Eully	Justification for r	anking	
Do the operations comply with	Fully Yes	Justification for r	anking	
Do the operations comply with standards, plans, policies?	Fully Yes	Justification for ra	anking	
Do the operations comply with standards, plans, policies? Criteria	Fully Yes Areas of outstanding biodiversity value/Critical	Justification for random second	anking es: a. declared areas of outstanding	
Do the operations comply with standards, plans, policies? Criteria	Fully Yes Areas of outstanding biodiversity value/Critical biodiversity value under the Biodiversity Conser	Justification for ra habitat: This include vation Act 2016 b	anking es: a. declared areas of outstanding . areas declared critical habitat under the	
Do the operations comply with standards, plans, policies? Criteria	Fully Yes Areas of outstanding biodiversity value/Critical biodiversity value under the Biodiversity Conser Fisheries Management Act 1994.	Justification for rahabitat: This include vation Act 2016	anking es: a. declared areas of outstanding . areas declared critical habitat under the	
Do the operations comply with standards, plans, policies? Criteria Potential impacts	Fully Yes Areas of outstanding biodiversity value/Critical biodiversity value under the Biodiversity Conser Fisheries Management Act 1994. N/A	Justification for rahabitat: This include vation Act 2016 b	anking es: a. declared areas of outstanding . areas declared critical habitat under the	
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls	Fully Yes Areas of outstanding biodiversity value/Critical biodiversity value under the Biodiversity Conser Fisheries Management Act 1994. N/A N/A	Justification for ra habitat: This include vation Act 2016 b	anking es: a. declared areas of outstanding . areas declared critical habitat under the	
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration	Fully Yes Areas of outstanding biodiversity value/Critical biodiversity value under the Biodiversity Conser Fisheries Management Act 1994. N/A N/A 2 weeks	Justification for rahabitat: This include	anking es: a. declared areas of outstanding . areas declared critical habitat under the	
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking	Fully Yes Areas of outstanding biodiversity value/Critical biodiversity value under the Biodiversity Conser Fisheries Management Act 1994. N/A N/A 2 weeks	Justification for ra habitat: This include vation Act 2016 b	anking es: a. declared areas of outstanding . areas declared critical habitat under the	
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts?	Fully Yes Areas of outstanding biodiversity value/Critical biodiversity value under the Biodiversity Conser Fisheries Management Act 1994. N/A N/A 2 weeks N/A	Justification for ra habitat: This include vation Act 2016 b Are further studies	anking es: a. declared areas of outstanding . areas declared critical habitat under the N/A	
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts?	Fully Yes Areas of outstanding biodiversity value/Critical biodiversity value under the Biodiversity Conser Fisheries Management Act 1994. N/A N/A 2 weeks N/A	Justification for ra habitat: This include vation Act 2016 b Are further studies required on	anking es: a. declared areas of outstanding . areas declared critical habitat under the N/A	
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts?	Fully Yes Areas of outstanding biodiversity value/Critical biodiversity value under the Biodiversity Conser Fisheries Management Act 1994. N/A N/A 2 weeks N/A	Justification for ra habitat: This include vation Act 2016 b Are further studies required on impacts or	anking es: a. declared areas of outstanding . areas declared critical habitat under the N/A	
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts?	Fully Yes Areas of outstanding biodiversity value/Critical biodiversity value under the Biodiversity Conser Fisheries Management Act 1994. N/A N/A 2 weeks N/A	Justification for ra habitat: This include vation Act 2016 b Are further studies required on impacts or mitigation?	anking es: a. declared areas of outstanding . areas declared critical habitat under the	
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	Fully Yes Areas of outstanding biodiversity value/Critical biodiversity value under the Biodiversity Conser Fisheries Management Act 1994. N/A N/A 2 weeks N/A N/A N/A	Justification for ra habitat: This include vation Act 2016 b Are further studies required on impacts or mitigation? What is the	anking es: a. declared areas of outstanding . areas declared critical habitat under the N/A	
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	Fully Yes Areas of outstanding biodiversity value/Critical biodiversity value under the Biodiversity Conser Fisheries Management Act 1994. N/A N/A 2 weeks N/A	Justification for ra habitat: This include vation Act 2016 b Are further studies required on impacts or mitigation? What is the level of public	anking es: a. declared areas of outstanding . areas declared critical habitat under the N/A	
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	Fully Yes Areas of outstanding biodiversity value/Critical biodiversity value under the Biodiversity Conser Fisheries Management Act 1994. N/A N/A 2 weeks N/A N/A	Justification for ra habitat: This include vation Act 2016 b Are further studies required on impacts or mitigation? What is the level of public concern?	anking es: a. declared areas of outstanding . areas declared critical habitat under the N/A	
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed?	Fully Yes Areas of outstanding biodiversity value/Critical biodiversity value under the Biodiversity Conser Fisheries Management Act 1994. N/A N/A 2 weeks N/A N/A N/A N/A N/A N/A N/A N/A	Justification for ra habitat: This include vation Act 2016 b Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of	anking es: a. declared areas of outstanding . areas declared critical habitat under the N/A	
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed?	Fully Yes Areas of outstanding biodiversity value/Critical biodiversity value under the Biodiversity Conser Fisheries Management Act 1994. N/A N/A 2 weeks N/A N/A N/A N/A N/A N/A N/A N/A N/A	Justification for ra habitat: This include vation Act 2016 b Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	anking es: a. declared areas of outstanding . areas declared critical habitat under the N/A N/A Low	
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed?	Fully Yes Areas of outstanding biodiversity value/Critical biodiversity value under the Biodiversity Conser Fisheries Management Act 1994. N/A N/A 2 weeks N/A	Justification for ra habitat: This include vation Act 2016 b Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	anking es: a. declared areas of outstanding . areas declared critical habitat under the N/A N/A Low	
Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with	Fully Yes Areas of outstanding biodiversity value/Critical biodiversity value under the Biodiversity Conser Fisheries Management Act 1994. N/A N/A 2 weeks N/A N/A	Justification for ra habitat: This include vation Act 2016 b Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra	anking es: a. declared areas of outstanding . areas declared critical habitat under the N/A N/A Low anking	

Criteria	Endangered ecological community or critically endangered ecological community: Whether the activity:			
	is likely to have an adverse effect on the extent of the ecological community such that its local			
	modify the composition of the ecological community such that its local occurrence is likely to be placed at			
	risk of extinction.			
Potential impacts	N/A			
Proposed management controls	N/A			
Duration	2 weeks			
Application ranking	Positive			
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		
Con the immedia he managed	N/A	concern?	1	
Can the impacts be reversed?	N/A	Kanking of	LOW	
		significanco		
Can the impacts he mitigated?	N/A	Signification for r	anking	
Do the operations comply with	NA	Justification for th		
standards plans policies?				
Criteria	Habitat of a threatened species or ecological co	n mmunity		
Potential impacts		initiality (
Proposed management controls	N/A			
Duration	2 wooks			
Application ranking	Positive			
What is the confidence in predicting	N/A	Are further	N/A	
impacts?		studies		
inipacto.		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	Low	
		potential		
		significance		
Can the impacts be mitigated?	N/A	Justification for ra	anking	
Do the operations comply with	No			
standards, plans, policies?				
Criteria	Habitat of protected aquatic species or those w	ith conservation sta	tus.	
Potential impacts	N/A			
Proposed management controls	N/A			
Duration	2 weeks			
Application ranking	Positive		I .	
What is the confidence in predicting	N/A	Are further	N/A	
impacts?		studies		
		required on		
		mitigation?		
How resilient is the environment to	N/A	What is the	N/A	
cone with impacts?		level of public		
cope with impacts.		concern?		
Can the impacts be reversed?	N/A	Ranking of	Low	
		potential		
		significance		
Can the impacts be mitigated?	N/A	Justification for r	anking	
Do the operations comply with	No			
standards, plans, policies?				
Criteria	Key Threatening Processes: As outlined in Schee	dule 4 of Biodiversit	y Conservation Act 2016. Includes: a.	
	alteration, removal, clearly or degradation of ha	abitat and native ve	getation b. loss of hollow bearing trees	
	c. removal of dead wood and dead trees d. inv	vasion and establish	ment of exotic species.	
Potential impacts	N/A			
Proposed management controls	N/A			
Duration	2 weeks			
Application ranking	Positive			

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	Low
		potential	
		significance	
Can the impacts be mitigated?	N/A	Justification for ra	anking
Do the operations comply with standards plans policies?	NO		
Criteria	Barriers to movement of fauna: Any potential to	o endanger, displace	e or disturb fauna (including fauna of
	conservation significance) or create a barrier to	their movement.	, J
Potential impacts	N/A		
Proposed management controls	N/A		
Duration	2 weeks		
Application ranking	Positive		
What is the confidence in predicting	N/A	Are further	N/A
Impacts?		studies	
		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	Low
		potential	
		significance	
Can the impacts be mitigated?	N/A	Justification for ra	anking
standards plans policies?	NO		
Criteria	Ecological & Biosecurity Impacts: Any threat to	the biological divers	ity or ecological integrity of an ecological
	community.	U	, , , , , ,
Potential impacts	N/A		
Proposed management controls	N/A		
Duration	2 weeks		
Application ranking	Positive	Ano furthon	N/A
what is the confidence in predicting	N/A	Are further studios	N/A
inpucts.		Studies	
		required on	
		required on impacts or	
		required on impacts or mitigation?	
How resilient is the environment to	N/A	required on impacts or mitigation? What is the	N/A
How resilient is the environment to cope with impacts?	N/A	required on impacts or mitigation? What is the level of public	N/A
How resilient is the environment to cope with impacts?	N/A	required on impacts or mitigation? What is the level of public concern?	N/A
How resilient is the environment to cope with impacts? Can the impacts be reversed?	N/A N/A	required on impacts or mitigation? What is the level of public concern? Ranking of	N/A Low
How resilient is the environment to cope with impacts? Can the impacts be reversed?	N/A N/A	required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	N/A Low
How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated?	N/A N/A	required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra	N/A Low
How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with	N/A N/A N/A No	required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re	N/A Low
How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies?	N/A N/A N/A No	required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re	N/A Low
How resilient is the environment to cope with impacts? Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria	N/A N/A N/A No Ecological & Biosecurity Impacts: Creates a bios	required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra ecurity risk or introd	N/A Low anking duces genetically modified organisms into
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 No Ecological & Biosecurity Impacts: Creates a bios an area. Includes impacts from the introduction	required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra ecurity risk or introo of: a. mobilisatio	N/A Low anking duces genetically modified organisms into n of pollutants b. animal pests, c. plant
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 No Ecological & Biosecurity Impacts: Creates a bios an area. Includes impacts from the introduction pests and diseases, d. animal diseases, e. no	required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra ecurity risk or introo of: a. mobilisatio xious weeds, or f.	N/A Low anking duces genetically modified organisms into n of pollutants b. animal pests, c. plant genetically modified organisms.
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 No Ecological & Biosecurity Impacts: Creates a bios an area. Includes impacts from the introduction pests and diseases, d. animal diseases, e. nc N/A	required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re ecurity risk or introo of: a. mobilisatio xious weeds, or f.	N/A Low duces genetically modified organisms into n of pollutants b. animal pests, c. plant genetically modified organisms.
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 No Ecological & Biosecurity Impacts: Creates a bios an area. Includes impacts from the introduction pests and diseases, d. animal diseases, e. no N/A N/A 2 weeks	required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra- ecurity risk or introo of: a. mobilisatio xious weeds, or f.	N/A Low anking duces genetically modified organisms into n of pollutants b. animal pests, c. plant genetically modified organisms.
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 No Ecological & Biosecurity Impacts: Creates a bios an area. Includes impacts from the introduction pests and diseases, d. animal diseases, e. no N/A N/A 2 weeks Positive	required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra- ecurity risk or introo of: a. mobilisatio xious weeds, or f.	N/A Low anking duces genetically modified organisms into n of pollutants b. animal pests, c. plant genetically modified organisms.
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 No Ecological & Biosecurity Impacts: Creates a bios an area. Includes impacts from the introduction pests and diseases, d. animal diseases, e. no N/A N/A 2 weeks Positive N/A	required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra- dustification for ra- significance Justification for ra- dustification for ra- significance Are further	N/A Low anking duces genetically modified organisms into n of pollutants b. animal pests, c. plant genetically modified organisms.
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 No Ecological & Biosecurity Impacts: Creates a bios an area. Includes impacts from the introduction pests and diseases, d. animal diseases, e. no N/A N/A 2 weeks Positive N/A	required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra- curity risk or introo of: a. mobilisatio xious weeds, or f.	N/A Low anking duces genetically modified organisms into n of pollutants b. animal pests, c. plant genetically modified organisms.
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 No Ecological & Biosecurity Impacts: Creates a bios an area. Includes impacts from the introduction pests and diseases, d. animal diseases, e. no N/A N/A 2 weeks Positive N/A	required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra- ecurity risk or introo of: a. mobilisatio xious weeds, or f. Are further studies required on	N/A Low anking duces genetically modified organisms into n of pollutants b. animal pests, c. plant genetically modified organisms.
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 No Ecological & Biosecurity Impacts: Creates a bios an area. Includes impacts from the introduction pests and diseases, d. animal diseases, e. no N/A N/A 2 weeks Positive N/A	required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra- ecurity risk or introo of: a. mobilisatio xious weeds, or f. Are further studies required on impacts or	N/A Low anking duces genetically modified organisms into n of pollutants b. animal pests, c. plant genetically modified organisms.
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 No Ecological & Biosecurity Impacts: Creates a bios an area. Includes impacts from the introduction pests and diseases, d. animal diseases, e. no N/A N/A 2 weeks Positive N/A	required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra- ecurity risk or introo of: a. mobilisatio xious weeds, or f. Are further studies required on impacts or mitigation?	N/A Low anking duces genetically modified organisms into n of pollutants b. animal pests, c. plant genetically modified organisms.
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 No Ecological & Biosecurity Impacts: Creates a bios an area. Includes impacts from the introduction pests and diseases, d. animal diseases, e. no N/A N/A 2 weeks Positive N/A N/A	required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra- ecurity risk or introo of: a. mobilisation xious weeds, or f. Are further studies required on impacts or mitigation? What is the	N/A Low anking duces genetically modified organisms into n of pollutants b. animal pests, c. plant genetically modified organisms.
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 No Ecological & Biosecurity Impacts: Creates a bios an area. Includes impacts from the introduction pests and diseases, d. animal diseases, e. no N/A N/A 2 weeks Positive N/A N/A	required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra- ecurity risk or introo of: a. mobilisation xious weeds, or f. Are further studies required on impacts or mitigation? What is the level of public	N/A Low anking duces genetically modified organisms into n of pollutants b. animal pests, c. plant genetically modified organisms. N/A

Can the impacts be reversed?	N/A	Ranking of	Low		
		potential			
		significance			
Can the impacts be mitigated?	N/A Justification for ranking				
Do the operations comply with	No				
standards, plans, policies?					
Criteria	Ecological & Biosecurity Impacts: Likely to cause a significant bushfire risk.				
Potential impacts	N/A				
Proposed management controls	N/A				
Duration	2 weeks				
Application ranking What is the confidence in predicting	Positive	Are further	N/A		
impacts?	N/A	studies	NA		
impacts:		required on			
		impacts or			
		mitigation?			
How resilient is the environment to	N/A	What is the	N/A		
cope with impacts?		level of public			
		concern?			
Can the impacts be reversed?	N/A	Ranking of	Low		
		potential			
		significance			
Can the impacts be mitigated?	N/A	Justification for ra	anking		
Do the operations comply with	No				
Criteria	Community Resources: Any degradation of infra	 	ant increase in the demand for services		
entena	and infrastructure resources	istructure of signific	ant increase in the demand for services		
Potential impacts	The activity is not likely to degrade or increase t	he demand for serv	ices and infrastructure resources		
Proposed management controls					
Duration	2 weeks				
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			
Can the impacts be reversed?	Vec	Ranking of	0.00		
		potential			
		significance			
Can the impacts be mitigated?	Fully	Justification for ra	anking		
Do the operations comply with	Yes				
standards, plans, policies?					
Criteria	Community Resources: Any diversion of resource	es to the detriment	of other communities or natural systems.		
Potential impacts	N/A				
Proposed management controls	As activities are planned for existing cleared are	as and are tempora	ry in nature, there is no disruption		
	expected to farming activities. Iluka team mem	pers will communic	ate with the landholder to ensure that all		
Duration	requirements are tuttiled.				
Application ranking					
What is the confidence in predicting	High	Are further	No		
impacts?		studies			
		required on			
		impacts or			
		mitigation?			
How resilient is the environment to	High Resilience	What is the	Low		
cope with impacts?		level of public			
		concern?			
Can the impacts be reversed?	Yes	Ranking of	Low		
		potential			
Can the impacts he mitigated?	Fully	Significance	anking		
Do the operations comply with	Vec		annang		
standards, plans, policies?					
Criteria	Natural Resources: Any disruption, depletion or	destruction of natu	ral resources.		
Potential impacts	N/A				
	•				

Proposed management controls	As activities are planned for existing cleared areas and are temporary in nature, there is no disruption			
	expected to farming activities. Iluka team members will communicate with the landholder to ensure that all			
	requirements are fulfilled.			
Duration	2 weeks			
Application ranking	Negligible			
What is the confidence in predicting	High	Are further	No	
impacts?		studies		
		required on		
		impacts or		
	Lish Desilieres	mitigation?	1	
How resilient is the environment to	High Resilience	what is the	LOW	
cope with impacts?				
Can the impacts he reversed?	Vec	Panking of	Low	
can the impacts be reversed?	res	notential	LOW	
		significance		
Can the impacts be mitigated?	Fully	Justification for ra	anking	
Do the operations comply with	Yes			
standards, plans, policies?				
Criteria	Natural Resources: Any disruption of existing ac	tivities which rely o	n natural resources, including forestry,	
	farming or extractive industries (or reduction of	options for future a	activities).	
Potential impacts	As activities are planned for existing cleared are	as and are tempora	ry in nature, there is no disruption	
-	expected to farming activities. Iluka team mem	bers will communic	ate with the landholder to ensure that all	
	rehabilitation requirements are fulfilled.			
Proposed management controls	As activities are planned for existing cleared are	as and are tempora	ry in nature, there is no disruption	
	expected to farming activities. Iluka team mem	bers will communic	ate with the landholder to ensure that all	
	requirements are fulfilled.			
Duration	2 weeks			
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		
Consthe immedia he muchaed	Ver	concern?	1	
Can the impacts be reversed?	Yes	Ranking of	LOW	
		significance		
Can the impacts be mitigated?	Fully	lustification for ra	anking	
Do the operations comply with	Yes	Justilleution for it	2000 B	
standards. plans. policies?				
Criteria	Natural Resources: Any use which results in the	degradation of any	area reserved for conservation purposes.	
Potential impacts	N/A		i i i i i i i i i i i i i i i i i i i	
Proposed management controls	As activities are planned for existing cleared are	as and are tempora	ry in nature, there is no disruption	
	expected to farming activities. Iluka team mem	bers will communic	ate with the landholder to ensure that all	
	requirements are fulfilled.			
Duration	2 weeks			
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		
	5 U	significance		
Can the impacts be mitigated?	runy Voc	Justification for ra	апкіпg	
standards plans policies?	165			
Criteria	Sensitive Land Impacts: Impacts on National par	ks and other areas	reserved or dedicated or acquired under	
	the National Parks and Wildlife Act 1974	to and other areas		
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	
cone with impacts?		level of public	
		concern?	
Can the impacts he reversed?	N/A	Ranking of	N/A
can the impacts be reversed:		notential	
		cignificanco	
Can the impacts he mitigated?	N/A	Justification for r	anking
Do the exercisions comply with	N/A	Justification for to	
Do the operations comply with	N/A		
Standards, plans, policies?			under the Netional Darks and Mildlife Ast
Criteria	Sensitive Land Impacts: Land subject to a conse	ervation agreement	under the National Parks and Wildlife Act
	1974 and/or the Biodiversity Conservation Act 2	2016. This includes:	a. Biobanking agreement (established
	under the now repealed Threatened Species Co	nservation Act 1995	b) or a Biodiversity Stewardship
	agreement established under the Biodiversity C	onservation Act 201	L6. b. Wildlife Refuge agreement
	established under the Biodiversity Conservation	Act 2016. c. Exist	ing conservation agreements that
	continue to have effect even where legislation h	has been repealed:	Image: Provide and the second
	now repealed Nature Conservation Trust Act 20	01 🛛 Property ve	getation plans made under the now-
	repealed Native Vegetation Act 2003 😰 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	
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 ra	anking
Do the operations comply with	N/A		0
standards, plans, policies?			
Criteria	Sensitive Land Impacts: Impacts on aquatic rese	rves or marine par	ks declared under the Marine Estate
	Management Act 2014, Impacts on Coastal Zong	e as defined in the (Coastal Management Act 2016.
Potential impacts	N/A		0
Proposed management controls	N/A		
Duration	N/A		
Application ranking	N/A		
What is the confidence in prodicting	Ν/Δ	Are further	N/A
impacts?	N/A	studios	NA
Impacts:		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	N/A	What is the	
How resilient is the environment to	N/A	what is the	
cope with impacts?			
Con the immedia he managed	NI (A	Concern?	N1/0
Can the impacts be reversed?	N/A	Kanking of	N/A
		potential	
		significance	
Can the impacts be mitigated?	N/A	Justification for ra	апкіпд
Do the operations comply with	N/A		
standards, plans, policies?			
Criteria	Sensitive Land Impacts: Fishing grounds and cor	nmercial fish breed	ing or nursery areas.
Potential impacts	N/A		
Proposed management controls	As activities are planned for existing cleared are	as and are tempora	ry in nature, there is no disruption
	expected to farming activities. Iluka team mem	bers will communic	ate with the landholder to ensure that all
	requirements are fulfilled.		
Duration	2 weeks		
Application ranking	Negligible		

What is the confidence in predicting	High	Are further	No
what is the confidence in predicting	TIIBII	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
		notential	2011
		cignificanco	
	5 U	Significance	
Can the impacts be mitigated?	Fully	Justification for ra	anking
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Sensitive Land Impacts: Impacts on other sensit	tive lands including:	 a. Land within a state forest set aside
	under the Forestry Act 2012 for conservation va	lues. This includes f	lora reserves and special management
	(and other) zones. b. Drinking water catchmer	nt protection areas -	land declared to be a 'controlled area' or
	a 'special area' under the Water NSW Act 2014.	or a 'special area' u	nder the Water Management Act 2000 or
	Hunter Water Act 1991 c. Waterfront land as	defined under the \	Nater Management Act 2000
Potential impacts	N/A		
Bronosod management controls	As activities are planned for existing cleared are	as and are tempora	ry in nature, there is no disruption
Proposed management controls	As activities are plained for existing cleared are	as and are tempora	ate with the landholder to ensure that all
	expected to farming activities. Tuka team mem	bers will communic	ate with the landholder to ensure that all
	requirements are fulfilled.		
Duration	2 weeks		
Application ranking	Negligible		
What is the confidence in predicting	High	Are further	No
impacts?	-	studies	
		required on	
		impacts or	
		mitigation?	
	Lick Desiliones	Milligation:	1
How resilient is the environment to	High Resilience	what is the	LOW
cope with impacts?		level of public	
		concern?	
Can the impacts be reversed?	Yes	Ranking of	Low
Can the impacts be reversed?	Yes	Ranking of potential	Low
Can the impacts be reversed?	Yes	Ranking of potential significance	Low
Can the impacts be reversed? Can the impacts be mitigated?	Yes Fully	Ranking of potential significance Justification for ra	Low
Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with	Yes Fully Yes	Ranking of potential significance Justification for ra	Low
Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies?	Yes Fully Yes	Ranking of potential significance Justification for ra	Low
Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria	Yes Fully Yes Sensitive Land Impacts: Impacts on land reserve	Ranking of potential significance Justification for ra	Low anking
Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria	Yes Fully Yes Sensitive Land Impacts: Impacts on land reserve 1989/Crown Lands Management Act 2016 for p	Ranking of potential significance Justification for ra d or dedicated with reservation of the e	Low anking in the meaning of the Crown Lands Act pyironment or other environmental
Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria	Yes Fully Yes Sensitive Land Impacts: Impacts on land reserve 1989/Crown Lands Management Act 2016 for p protection purposes	Ranking of potential significance Justification for ra d or dedicated with reservation of the e	Low anking in the meaning of the Crown Lands Act nvironment or other environmental
Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria	Yes Fully Yes Sensitive Land Impacts: Impacts on land reserve 1989/Crown Lands Management Act 2016 for p protection purposes.	Ranking of potential significance Justification for ra d or dedicated with reservation of the e	Low anking in the meaning of the Crown Lands Act nvironment or other environmental
Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Potential impacts	Yes Fully Yes Sensitive Land Impacts: Impacts on land reserve 1989/Crown Lands Management Act 2016 for p protection purposes. N/A	Ranking of potential significance Justification for ra d or dedicated with reservation of the e	Low anking in the meaning of the Crown Lands Act nvironment or other environmental
Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls	Yes Fully Yes Sensitive Land Impacts: Impacts on land reserve 1989/Crown Lands Management Act 2016 for p protection purposes. N/A N/A	Ranking of potential significance Justification for ra d or dedicated with reservation of the e	Low anking in the meaning of the Crown Lands Act nvironment or other environmental
Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration	Yes Fully Yes Sensitive Land Impacts: Impacts on land reserve 1989/Crown Lands Management Act 2016 for p protection purposes. N/A N/A N/A	Ranking of potential significance Justification for ra d or dedicated with reservation of the e	Low anking in the meaning of the Crown Lands Act nvironment or other environmental
Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking	Yes Fully Yes Sensitive Land Impacts: Impacts on land reserve 1989/Crown Lands Management Act 2016 for p protection purposes. N/A N/A N/A N/A N/A	Ranking of potential significance Justification for ra d or dedicated with reservation of the e	Low anking in the meaning of the Crown Lands Act nvironment or other environmental
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	Yes Fully Yes Sensitive Land Impacts: Impacts on land reserve 1989/Crown Lands Management Act 2016 for p protection purposes. N/A N/A N/A N/A N/A N/A	Ranking of potential significance Justification for ra ed or dedicated with reservation of the e Are further	Low anking in the meaning of the Crown Lands Act nvironment or other environmental N/A
Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts?	Yes Fully Yes Sensitive Land Impacts: Impacts on land reserve 1989/Crown Lands Management Act 2016 for p protection purposes. N/A N/A N/A N/A N/A N/A	Ranking of potential significance Justification for ra ed or dedicated with reservation of the e Are further studies	Low anking in the meaning of the Crown Lands Act nvironment or other environmental N/A
Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts?	Yes Fully Yes Sensitive Land Impacts: Impacts on land reserve 1989/Crown Lands Management Act 2016 for p protection purposes. N/A N/A N/A N/A N/A N/A	Ranking of potential significance Justification for ra ed or dedicated with reservation of the e Are further studies required on	Low anking in the meaning of the Crown Lands Act nvironment or other environmental N/A
Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts?	Yes Fully Yes Sensitive Land Impacts: Impacts on land reserve 1989/Crown Lands Management Act 2016 for p protection purposes. N/A N/A N/A N/A N/A N/A	Ranking of potential significance Justification for ra d or dedicated with reservation of the e Are further studies required on impacts or	Low anking in the meaning of the Crown Lands Act nvironment or other environmental N/A
Can the impacts be reversed? Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts?	Yes Fully Yes Sensitive Land Impacts: Impacts on land reserve 1989/Crown Lands Management Act 2016 for p protection purposes. N/A N/A N/A N/A N/A	Ranking of potential significance Justification for ra- ed or dedicated with reservation of the en- servation of the en- servation of the en- construction of the en- studies required on impacts or mitigation?	Low anking in the meaning of the Crown Lands Act nvironment or other environmental N/A
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	Yes Fully Yes Sensitive Land Impacts: Impacts on land reserve 1989/Crown Lands Management Act 2016 for p protection purposes. N/A N/A N/A N/A N/A N/A	Ranking of potential significance Justification for ra- ed or dedicated with reservation of the en- servation of the en- studies required on impacts or mitigation?	Low anking in the meaning of the Crown Lands Act nvironment or other environmental N/A
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	Yes Fully Yes Sensitive Land Impacts: Impacts on land reserve 1989/Crown Lands Management Act 2016 for p protection purposes. N/A N/A N/A N/A N/A N/A N/A	Ranking of potential significance Justification for ra- ed or dedicated with reservation of the en- servation of the en- enservation of the en- servation of the en- the- enservation of the en- enservation of the en- servation of the en- enservation of the en- enservation of the enservation of the ens	Low anking in the meaning of the Crown Lands Act nvironment or other environmental N/A
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How resilient is the environment to	N/A	what is the	
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		ierer er passe	
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Can the impacts he reversed?	N/A	Ranking of	N/A
can the impacts be reversed:		Kanking Of	N/A
		potential	
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		Significance	
Can the impacts be mitigated?	N/A	Justification for ra	anking
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Do the operations comply with	N/A		
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Criteria	Sensitive Lanus: impacts on wetlands of interna	tional significance of	esignated under the Ramsar Convention
	on Wetlands and those designated as a nationa	lly important wetlar	nd in the Directory of Important Wetlands
	of Australia		
	UI AUSLI dild.		
Potential impacts	N/A		
Proposed management controls	N/A		
Duration	N/A		
Duration			
Application ranking	N/A		
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How resilient is the environment to	N/A	What is the	
cope with impacts?		level of public	
		concern?	
		concern:	
Can the impacts be reversed?	N/A	Ranking of	N/A
		notential	
		potential	
		significance	
Can the impacts be mitigated?	N/A	Justification for ra	anking
			8
Do the operations comply with	N/A		
standards, plans, policies?			
Critoria	Sansitiva Land Impacts: Impacts on horitage pro	taction areas (histo	ric or natural): a Nationally and
Citteria	Sensitive Land Impacts. Impacts of heritage pro	nection areas (misto	inconnatural). a. Nationally and
	internationally recognised heritage sites or area	is (World Heritage L	ist, National Heritage List of
	Commonwealth Heritage List) b. Items listed o	on State Heritage	c. Heritage items and conservation areas
	identified in an environmental planning instrum	ont	
		lent	
Potential impacts	N/A		
Proposed management controls	N/A		
Duration	N/A		
Application ranking	N/A		
What is the confidence is usedisting		A further	NI/A
what is the confidence in predicting	N/A	Are further	N/A
impacts?		studies	
		required on	
		required on	
		impacts or	
		mitigation?	
Harris and the state of the state of the	N1/A	14/1-1-1-1	
How resilient is the environment to	N/A	what is the	
cope with impacts?		level of public	
· · · · · · · · · · · · · · · · · · ·			
		concerne	
Can the impacts be reversed?	N/A	Ranking of	N/A
·		notential	
		potential	
		significance	
Can the impacts be mitigated?	N/A	Justification for r	anking
		Justineation for th	6
Do the operations comply with	N/A		
standards, plans, policies?			
Criteria	Sensitive Land Impacts: Impacts on community	land classified unde	r the Local Government Act 1993 (for
citteria	Sensitive Land Impacts. Impacts on community		The Local Government Act 1555 (10)
	which a plan of management has been prepared	d).	
Potential impacts	N/A		
Burned and a start starts			
Urobocod monogomont controlc			
Proposed management controls	N/A		
Duration	N/A N/A		
Duration	N/A N/A		
Duration Application ranking	N/A N/A N/A		
Duration Application ranking What is the confidence in predicting	N/A N/A N/A N/A	Are further	N/A
Duration Application ranking What is the confidence in predicting	N/A N/A N/A	Are further	N/A
Duration Application ranking What is the confidence in predicting impacts?	N/A N/A N/A N/A	Are further studies	N/A
Duration Application ranking What is the confidence in predicting impacts?	N/A N/A N/A N/A	Are further studies required on	N/A
Duration Application ranking What is the confidence in predicting impacts?	N/A N/A N/A N/A	Are further studies required on impacts or	N/A
Duration Application ranking What is the confidence in predicting impacts?	N/A N/A N/A N/A	Are further studies required on impacts or	N/A
Duration Application ranking What is the confidence in predicting impacts?	N/A N/A N/A N/A	Are further studies required on impacts or mitigation?	N/A
Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to	N/A N/A N/A N/A	Are further studies required on impacts or mitigation? What is the	N/A
Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to come with impacts?	N/A N/A N/A N/A	Are further studies required on impacts or mitigation? What is the level of public	N/A
Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	N/A N/A N/A N/A	Are further studies required on impacts or mitigation? What is the level of public	N/A
Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts?	N/A N/A N/A N/A	Are further studies required on impacts or mitigation? What is the level of public concern?	N/A
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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	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of	N/A N/A
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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?	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
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	Are further 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	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for reas	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	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 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 reversed? Do the operations comply with standards, plans, policies?	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 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?	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 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 Sensitive Land Impacts: Impacts on bushfire pro	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 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 reversed? 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 Sensitive Land Impacts: Impacts on bushfire pro	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra-	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 Sensitive Land Impacts: Impacts on bushfire pro N/A	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra-	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 Sensitive Land Impacts: Impacts on bushfire pro N/A As activities are planned for existing cleared are	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra-	N/A N/A anking
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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	N/A N/A N/A N/A N/A N/A N/A N/A Sensitive Land Impacts: Impacts on bushfire pro N/A As activities are planned for existing cleared are expected to farming activities. Iluka team mem requirements are fulfilled. 2 weeks Negligible	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra- ne areas.	N/A N/A N/A nry in nature, there is no disruption ate with the landholder to ensure that all
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	N/A N/A N/A N/A N/A N/A N/A N/A Sensitive Land Impacts: Impacts on bushfire pro N/A As activities are planned for existing cleared are expected to farming activities. Iluka team mem requirements are fulfilled. 2 weeks Negligible	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra- me areas.	N/A N/A anking rry in nature, there is no disruption ate with the landholder to ensure that all
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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 impacts?	N/A N/A N/A N/A N/A N/A N/A N/A N/A Sensitive Land Impacts: Impacts on bushfire pro N/A As activities are planned for existing cleared are expected to farming activities. Iluka team mem requirements are fulfilled. 2 weeks Negligible High	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra- as and are tempora- bers will communic	N/A N/A N/A anking ry in nature, there is no disruption ate with the landholder to ensure that all 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 impacts?	N/A N/A N/A N/A N/A N/A N/A N/A N/A Sensitive Land Impacts: Impacts on bushfire pro N/A As activities are planned for existing cleared are expected to farming activities. Iluka team mem requirements are fulfilled. 2 weeks Negligible High	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra- ne areas.	N/A N/A nry in nature, there is no disruption ate with the landholder to ensure that all 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 impacts?	N/A N/A N/A N/A N/A N/A N/A N/A N/A Sensitive Land Impacts: Impacts on bushfire pro N/A As activities are planned for existing cleared are expected to farming activities. Iluka team mem requirements are fulfilled. 2 weeks Negligible High	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra- me areas.	N/A N/A N/A anking ry in nature, there is no disruption ate with the landholder to ensure that all 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 impacts?	N/A N/A N/A N/A N/A N/A N/A N/A N/A Sensitive Land Impacts: Impacts on bushfire pro N/A As activities are planned for existing cleared are expected to farming activities. Iluka team mem requirements are fulfilled. 2 weeks Negligible High	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra- as and are tempora- bers will communic Are further studies required on impacts or	N/A N/A N/A nry in nature, there is no disruption ate with the landholder to ensure that all 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 impacts?	N/A N/A N/A N/A N/A N/A N/A N/A N/A Sensitive Land Impacts: Impacts on bushfire pro N/A As activities are planned for existing cleared are expected to farming activities. Iluka team mem requirements are fulfilled. 2 weeks Negligible High	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra- ne areas. as and are tempora- bers will communic Are further studies required on impacts or mitigation?	N/A N/A N/A nry in nature, there is no disruption ate with the landholder to ensure that all 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 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 N/A Sensitive Land Impacts: Impacts on bushfire pro N/A As activities are planned for existing cleared are expected to farming activities. Iluka team mem requirements are fulfilled. 2 weeks Negligible High	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra- bers will communic Are further studies required on impacts or mitigation?	N/A N/A N/A nry in nature, there is no disruption ate with the landholder to ensure that all 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 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 N/A	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra- ne areas.	N/A N/A N/A nry in nature, there is no disruption ate with the landholder to ensure that all No 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? 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 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 ra- ine areas. Are further studies required on impacts or mitigation? What is the level of public	N/A N/A N/A nry in nature, there is no disruption ate with the landholder to ensure that all No 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? 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 N/A Sensitive Land Impacts: Impacts on bushfire pro N/A As activities are planned for existing cleared are expected to farming activities. Iluka team mem requirements are fulfilled. 2 weeks Negligible High High Resilience	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra- bers will communic Are further studies required on impacts or mitigation? What is the level of public	N/A N/A N/A nry in nature, there is no disruption ate with the landholder to ensure that all No 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 reversed? 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 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 ra- ne areas. as and are tempora- bers will communic Are further studies required on impacts or mitigation? What is the level of public concern?	N/A N/A N/A nry in nature, there is no disruption ate with the landholder to ensure that all No 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? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed?	N/A N/A 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 ra- ine areas. Are further studies required on impacts or mitigation? What is the level of public concern?	N/A N/A N/A nry in nature, there is no disruption ate with the landholder to ensure that all 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? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed?	N/A N/A N/A N/A N/A N/A N/A N/A N/A Sensitive Land Impacts: Impacts on bushfire pro N/A As activities are planned for existing cleared are expected to farming activities. Iluka team mem requirements are fulfilled. 2 weeks Negligible High High Resilience	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for ra- bers will communic Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of notorticl	N/A N/A N/A N/A nry in nature, there is no disruption ate with the landholder to ensure that all 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 reversed? Do the operations comply with standards, plans, policies? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed?	N/A N/A 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 ra- ne areas. as and are tempora- bers will communic Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	N/A N/A N/A nv/A nv/A nv/A nvy in nature, there is no disruption ate with the landholder to ensure that all No Low 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? Criteria Potential impacts Proposed management controls Duration Application ranking What is the confidence in predicting impacts? How resilient is the environment to cope with impacts? Can the impacts be reversed?	N/A N/A 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 ra- ine areas. 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 N/A N/A N/A N/A No Low

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 a change in the demographic structure of the community,			
	including changes to workforce or industry structure of the area/region. Including change in demand for			
	community resources (eg community facilities, community services and labour force).			
Potential impacts	N/A			
Proposed management controls	N/A			
Duration	2 weeks			
Application ranking	Positive			
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	Low	
		potential		
		significance		
Can the impacts be mitigated?	N/A	Justification for ra	anking	
Do the operations comply with	No			
standards, plans, policies?				
Criteria	Social Impacts: Any environmental impact that i	may cause substant	ial change or disruption to the community	
	(including loss of facilities or loss of community	identity).		
Potential impacts	N/A			
Proposed management controls	N/A			
Duration	2 Weeks			
Application ranking	Positive			
What is the confidence in predicting	N/A	Arefurther	N/A	
Impacts?		studies		
		required on		
		impacts or		
How resilient is the environment to	N/A	What is the	N/A	
How resilient is the environment to	N/A	lovel of public	N/A	
cope with impacts:		concorn2		
Can the impacts he reversed?	N/A	Ranking of	Low	
		potential	2011	
		significance		
Can the impacts be mitigated?	N/A	Justification for r	anking	
Do the operations comply with	No			
standards, plans, policies?				
Criteria	Social Impacts: Any impacts which result in som	e individuals or con	nmunities being significantly	
	disadvantaged (e.g. change to community facilit	ties, services or labo	our force).	
Potential impacts	N/A			
Proposed management controls	N/A			
Duration	2 weeks			
Application ranking	Positive			
What is the confidence in predicting	N/A	Are further	N/A	
impacts?		studies		
		required on		
		impacts or		
		mitigation?	21/0	
How resilient is the environment to	N/A	What is the	N/A	
cope with impacts?		level of public		
Can the impeate he reversed?	N/A	concern?	Low	
can the impacts be reversed?	N/A	Kanking of	LOW	
		significance		
Can the impacts he mitigated?	N/A	Instification for m	anking	
Do the energians comply with	No	Justification for fi	anning	
standards plans policies?				
Criteria	Social Impacts: Any impacts on the health, safet	i v. privacy or welfar	e of individuals or communities caused by	
	factors such as pollution, odour, noise, vibration	1. lighting, visual im	pacts, etc).	
Potential impacts	N/A	,		
Proposed management controls	N/A			
Duration	2 weeks			

Application ranking	Positive		
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	Low
		potential	
Can the impacts he mitigated?	N/A	Signification for r	anking
Do the operations comply with	No	Justification for the	anking
standards plans policies?			
Criteria	Social Impacts: Effect on a locality, place or build	ding having aesthet	ic, anthropological, archaeological,
	architectural, cultural, historical, scientific or so	cial significance or o	other special value for present or future
	generations?	Ū.	
Potential impacts	N/A		
Proposed management controls	N/A		
Duration	2 weeks		
Application ranking	Positive		
What is the confidence in predicting	N/A	Are further	N/A
impacts?		studies	
		required on	
		impacts or	
	N/A	mitigation?	N/A
How resilient is the environment to	N/A	lovel of public	N/A
cope with impacts:		concern?	
Can the impacts be reversed?	N/A	Ranking of	low
can the impacts be reversed.		potential	LOW
		significance	
Can the impacts be mitigated?	N/A	Justification for ra	anking
Do the operations comply with	No		
standards, plans, policies?			
Criteria	Social Impacts: Impacts on communities with st	rong sense of identi	ty.
Potential impacts	N/A		
Proposed management controls	N/A		
Duration	2 weeks		
Application ranking	Positive		
What is the confidence in predicting	N/A	Arefurther	N/A
Impacts?		studies	
		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	Low
		potential	
		significance	
Can the impacts be mitigated?	N/A	Justification for ra	anking
Do the operations comply with	No		
standards, plans, policies?			
Cinteria	social impacts: impacts on disadvantaged comn	numues.	
Potential impacts	N/A		
Puration	N/A 2 wooks		
Annlication ranking	2 weeks Positive		
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
cope with impacts?		level of public	
		concern?	

Can the impacts be reversed?	N/A	Ranking of	Low	
		potential		
Can the impacts he mitigated?	N/A	signification for r	anking	
Do the operations comply with	N/A No	Justification for ra	anking	
standards, plans, policies?				
Criteria	Economic Impacts: Any impacts which may affect economic activity (positive or negative), including a			
Determined increases	decrease to net economic welfare.			
Potential impacts	N/A			
Proposed management controls	N/A 2 weeks			
Application ranking	2 WEERS			
What is the confidence in predicting	N/A	Are further	N/A	
impacts?		studies		
inipacto.		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	Low	
		potential		
		significance		
Can the impacts be mitigated?	N/A	Justification for ra	anking	
Do the operations comply with	NO			
standards, plans, policies?	Feenemie Importe: Any importe that recult in a	 doorooco in the easy	a omia stability of the community	
Criteria	Economic impacts: Any impacts that result in a t	decrease in the eco	Tomic stability of the community.	
Potential impacts	N/A			
Proposed management controls	N/A			
Duration	2 Weeks			
Application ranking What is the confidence in predicting	Positive N/A	Are further	N/A	
impacts?	N/A	studios	N/A	
impacts:		required on		
		impacts or		
		mitigation?		
How resilient is the environment to	N/A	What is the	N/A	
cope with impacts?		level of public		
		concern?		
Can the impacts be reversed?	N/A	Ranking of	Low	
		potential		
Con the imported or mitigated	N/A	significance		
Can the impacts be mitigated?	NA	Justification for ra	anking	
standards plans policies?				
Criteria	Economic Impacts: Any impacts which result in a	i a change to the pub	lic sector revenue or expenditure base.	
Potential impacts	N/A		·····	
Proposed management controls	N/A			
Duration	2 weeks			
Application ranking	Positive			
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?		concorn?		
Can the impacts he reversed?	N/A	Ranking of	Low	
can the impacts be reversed:		potential		
		significance		
Can the impacts be mitigated?	N/A	Justification for ra	anking	
Do the operations comply with	No		-	
standards, plans, policies?				
Criteria	Heritage Impacts: Any impacts on a locality, place	ce, landscape, build	ing or archaeological relic of heritage	
	significance.			
Potential impacts	There are no heritage items near to the planned	d exploration activity	У	
Proposed management controls	N/A			
Duration	2 weeks			

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
cone with impacts?		level of public	2011
cope with impacts.		concern?	
Can the impacts he reversed?	Voc	Panking of	low
can the impacts be reversed?	res	notontial	LOW
		cignificanco	
Con the imports he mitigated?	Fully	Significance	auking
Can the impacts be mitigated?	Fully	Justification for ra	anking
Do the operations comply with	Yes		
standards, plans, policies?	A substitution of the Alexandrian states and the states in the	 	and alternative constraints of the state of
Criteria	Aesthetic impacts: Any impacts on the visual or	scenic landscape, ir	icluding lighting, venting of flaring of gas.
Potential impacts	N/A		
Proposed management controls	N/A		
Duration	2 weeks		
Application ranking	Positive		
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	Low
		potential	
		significance	
Can the impacts be mitigated?	N/A	Justification for r	anking
Do the operations comply with	No		
standards plans policies?			
Criteria	Aesthetic Impacts: Areas or items of high aesthe	etic or scenic value.	
Potontial impacts			
Bronosod management controls	N/A		
Duration	2 weeks		
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
cone with impacts?		level of public	2011
		concern?	
Can the imnacts he reversed?	Yes	Ranking of	low
can the impacts be reversed:		notential	
		significance	
Can the impacts he mitigated?	Fully	Iustification for r	anking
Do the operations comply with	Ves		d9
standards plans policies?			
Criteria	Cultural Impacts: Any disturbance of the ground	l 1 surface or any cult	urally modified trees (e.g. a scar tree)
			utany mouneu trees (e.g. a scar tree).
Potential impacts	There will be no impacts to any culturally modif	led trees	
Proposed management controls	Additional due diligence surveys have been com	ipleted in consultat	ion with Registered Aboriginal Parties
	(RAPS) to ensure no impacts to Aboriginal cultur	rai neritage arteract	s, sites or places. Several sites have been
	astablished Aberiginal Heritage Protocol is the	over the iters	uo not affect any sites. Huka nave an
	established Aboliginal Heritage Protocol In the (event that items of	value are encountered during the
Duration	exploration unling program.		
	Z WEEKS		
Application ranking	POSITIVE		
What is the confidence in predicting	High	Are further	NO
impacts?	1	studies	
		required on	
		required on impacts or	

How resilient is the environment to	High Resilience	What is the	Low
cone with impacts?	ingli itesiieriee	level of public	2011
cope with impacts:		concorn?	
		Concerne	
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	Cultural Impacts: Any impacts on known Aborig	inal obiects or Abor	iginal places.
Botontial impacts	The activity will no affect known Aberiginal obje	etc or places	.0 h
Potential impacts	Additional des differences and a definition of the second se		
Proposed management controls	Additional due diligence surveys have been com	ipleted in consultat	ion with Registered Aboriginal Parties
	(RAPs) to ensure no impacts to Aboriginal cultur	al heritage artefact	s, sites or places. Several sites have been
	identified as part of these surveys but proposed	drill hole locations	do not affect any sites. Iluka have an
	established Aboriginal Heritage Protocol in the	event that items of	value are encountered during the
	exploration drilling program.		
Duration	2 weeks		
Application ranking	Positive		
What is the confidence in predicting	High	Are further	No
impacts?		studies	
inpucto:		required on	
		impacts or	
		mitigation	
		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		0
standards, plans, policies?			
Criteria	Cultural Impacts: Affects areas where the lands	cape features indica	te the likely presence of Aboriginal
	objects.		
Potential impacts	The activity is not located in areas where landsc	ape features indica	te the presence of Aboriginal objects.
Proposed management controls	Additional due diligence surveys have been com	pleted in consultation	ion with Registered Aboriginal Parties
	(RAPs) to ensure no impacts to Aboriginal cultur	al heritage artefact	s, sites or places. Several sites have been
	identified as part of these surveys but proposed	drill hole locations	do not affect any sites. Iluka have an
	established Aboriginal Heritage Protocol in the	event that items of	value are encountered during the
	exploration drilling program.		
Duration	2 weeks		
Application ranking	Positive		
What is the confidence in predicting	High	Are further	No
impacts?		studios	
impacts:		required on	
		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		0
standards plans policies?			
Criteria	Cultural Impacts: Affects areas subject to native	title claims indiger	nous land use agreements or joint
entena	management arrangements	the claims, marger	ious iand use agreements of joint
Potential impacts	There are no native title claims over the area, w	ith a determination	for the Barkandii (Paakantyi) Poonlo #11
Potential impacts	settled.		
Proposed management controls	Additional due diligence surveys have been com	pleted in consultat	ion with Registered Aboriginal Parties
Specce management sont of	(RAPs) to ensure no impacts to Aboriginal culture	al heritage artefact	s sites or places. Several sites have been
	identified as part of these surveys but proposed	drill hole locations	do not affect any sites lluka have an
	actablished Aberiginal Havitage Distantis	and note locations	walue are encountered during the
	established Aboriginal Heritage Protocol in the e	event that items of	value are encountered during the
Demotion	exploration unling program.		
Duration	2 weeks		

What is the confidence in predicting	High	Are further	No
impacts?		studies	
		required on	
		impacts or	
		mitigation?	
	Llink Desilience	M/hat is the	1
How resilient is the environment to	High Resilience	what is the	LOW
cope with impacts?		level of public	
		concern?	
Can the impacts be reversed?	Yes	Ranking of	Low
		potential	
		significance	
Con the imports he mitigated?	Fully	lustification for m	aukina
Can the impacts be mitigated?	Fully	Justification for ra	апкіпg
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Cultural Impacts: Impacts on Aboriginal commu	nities or areas subje	ect to land rights claims.
Potential impacts	The activity will no affect known Aboriginal obje	ects or places.	
Dronocod monogoment controls	Additional due diligence surveys have been completed in consultation with Registered Aboriginal Parties		
Proposed management controls	Additional due diligence surveys have been completed in consultation with Registered Aboriginal Parties		
	(RAPs) to ensure no impacts to Aboriginal cultural heritage artefacts, sites or places. Several sites have been		
	identified as part of these surveys but proposed	I drill hole locations	do not affect any sites. Iluka have an
	established Aboriginal Heritage Protocol in the	event that items of	value are encountered during the
	exploration drilling program.		
Duration	2 weeks		
Application ranking	Positive		
	FOSITIVE		•
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
now resident is the environment to	Thgh Neshience		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	Voc		
Do the operations comply with	res		
standards, plans, policies?			
		igh anthronological	, archaeological, architectural, cultural,
Criteria	Cultural Impacts: Impacts on areas or items of h	ingir aritin opological	
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How resilient is the environment to	High Resilience	What is the	Low
cope with impacts?		level of public	
		concern?	
Can the impacts he reversed?	Voc	Panking of	Low
can the impacts be reversed:	163		LOW
		potential	
		significance	
Can the impacts be mitigated?	Fully	Justification for ra	anking
Do the operations comply with	Yes		
standards plans policios?			
Cuitoria	Transmontation Incorporate Culture statistics are		
Criteria	Transportation impacts. Substantial impacts on	existing transportat	ion systems (road, rail, pedestrian) which
	alter present patterns of circulation or moveme	nt.	
Potential impacts	N/A		
Proposed management controls	N/A		
Duration	2 wooks		
	2 WEEKS		
Application ranking	Positive		
What is the confidence in predicting	High	Are further	No
impacts?		studies	
P. C.		required on	
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standarda plana policica?	163		
stanuarus, pians, policies:			
			1.1111 1.1.60
Criteria	Transportation Impacts: Impacts associated wit	h direct or indirect a	additional traffic.
Criteria Potential impacts	Transportation Impacts: Impacts associated wit N/A	h direct or indirect a	additional traffic.
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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	Matters of National Environmental Significance:	Impacts on MNES	under the Commonwealth Environmental
	Protection and Biodiversity Conservation Act 19	99:	
Potential impacts	The activity is likely not to impact any matters o	f environmental sig	nificance under the Commonwealth
	Environment Protection and Biodiversity Conser	rvation Act 1999.	
Proposed management controls	N/A		
Duration	2 weeks		
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	
	. Mar	concern?	
Can the impacts be reversed?	Yes	Ranking of	LOW
		potential	
	r.ll.	Significance	anking
Con the impacts he mitigated i			
Can the impacts be mitigated?	Fully	Justification for fa	
Can the impacts be mitigated? Do the operations comply with standards plans policies?	Yes	Justification for ra	
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria	Yes Cumulative Impacts: Cumulative environmental	effects with other	existing or likely future activities.
Can the impacts be mitigated? Do the operations comply with standards, plans, policies? Criteria	Yes Cumulative Impacts: Cumulative environmental Works under this approval are using existing are	effects with other o	existing or likely future activities.
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FORM: Brief NonCEA (v3.4)

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