

Friday 19 April 2024

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

# APO0001728 Durnings DD | APO0001728

Decision Maker	Monique Meyer
Prepared by	Nicole Wallwood
Title	EL 8680 (1992)
Authorised Representative	
·	
Project name	APO0001728 Durnings DD

# Issue

has sought an activity approval in respect of APO0001728 Durnings DD, within EL 8680 (1992), at 50 kilometres north of Condobolin.

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

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

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

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

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

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

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

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

# Background

APO0001728 seeking approval under EL 8680 (granted 8/12/2017, expiry 8/12/2028) to undertake the Durnings DD project involving 4DDH (each to 400m depth).

Current security held and required for EL 8680 is \$96,000.

Approved activities with rehabilitation outstanding on the title include:

- 1. APO0001699 for 8 Reverse Circulation and 4 diamond drill holes, approved 8 March 2024
- 2. APO0001660 for 6 Diamond drill holes (to be drilled on existing RC drill pads), approved 9 February 2024
- 3. APO0001677 for upto 900 auger holes, approved 8 February 2024
- 4. APO0001459 for 10 Reverse Circulation holes, approved 5 September 2023
- 5. MAAG0014749 for 3 Reverse Circulation holes, approved 7 September 2022

# 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 APO0001728 Durnings DD* 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 APO0001728 Durnings DD is approved.

Refer to RCE Record RCE0001878

# Assessment of Impacts (Non-complying exploration activity)

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

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

# Additional terms (if approved)

No additional terms are required.

# **Summary**

Based on the information provided in the *APPLICATION TO UNDERTAKE ASSESSABLE PROSPECTING OPERATIONS APO0001728 Durnings DD* 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, Nicole Wallwood, 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 APO0001728 Durnings DD and determines that the activity is is not likely to have a significant impact on the environment and therefore an EIS is not required under Part 5 of the *Environmental Planning and Assessment Act 1979*.
- Approve the activity pursuant to the Mining Act 1992.

# Review of Environmental Factors document

Criteria Air Impacts: Air quality impacts (including impacts on nearby sensitive receptors).

Proposed management controls	No towns are located within 5 kilometres of the 1km from the closest sensitive receiver (Bolward has been undertaken and will continue to be un particularly where the separation distance is les required to minimise impacts to sensitive reception of the properties of the separation distance is les required to minimise impacts to sensitive reception of the sensitive received in the sensitive re	ra Homestead). Cordertaken to ensure s than 1km. Activit tors.  sts, plant and maching drilling and rehal activities.	nsultation with the homestead resident the proximity is acceptable to them, ies will be relocated or managed if inery.  abilitation activities.
	acceptable to them.  > Activities will be relocated or managed if requ > Impacts of any drilling limited to the immediat > All disturbed areas to be rehabilitated as soon > Avoiding vehicle movements where possible > Not leaving vehicles idling when not required > Dust suppression will be in place during drillin > Haverford will implement all relevant procedu complaints.	te vicinity of drilling as reasonably prac and limiting vehicle g by injecting water	ticable following surface disturbance.  speed on unsealed roads.  into the sample stream.
Duration	5		
Application ranking	Low Adverse		
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?	Low
Can the impacts be reversed?	Yes	Ranking of potential significance	Low
Can the impacts be mitigated?	Fully	Justification for ra	anking
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Air Impacts: Greenhouse or ozone impacts.		
Potential impacts	No towns are located within 5 kilometres of the 1km from the closest sensitive receiver (Bolward has been undertaken and will continue to be un particularly where the separation distance is less required to minimise impacts to sensitive reception.  Potential air quality impacts may include:  > particulates and emissions from vehicle exhauses wind erosion and dust from disturbed soils dues the dust from vehicles travelling over tracks.  > dust generation from drilling and rehabilitation to the solution of the solution of the solution.	ra Homestead). Cor dertaken to ensure s than 1km. Activit tors. ssts, plant and mach ring drilling and reh n activities.	nsultation with the homestead resident the proximity is acceptable to them, ies will be relocated or managed if inery.  abilitation activities.
Proposed management controls	> Activities will comply with title conditions and	relevant codes of p	ractice (Environmental Management and
	Rehabilitation).  > Consultation with the homestead resident will acceptable to them.  > Activities will be relocated or managed if requ.  > Impacts of any drilling limited to the immediat.  > All disturbed areas to be rehabilitated as soon.  > Avoiding vehicle movements where possible.  > Not leaving vehicles idling when not required.  > Dust suppression will be in place during drillin.  > Haverford will implement all relevant proceducomplaints.	ired to minimise im te vicinity of drilling as reasonably prac and limiting vehicle g by injecting water	pacts to sensitive receptors ticable following surface disturbance. speed on unsealed roads. into the sample stream.
Duration	5		
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?	Tilgii Nesilience	level of public	LOW
образия инфанци		concern?	
Can the impacts be reversed?	Uncertain	Ranking of	Low
·		potential	
		significance	
Can the impacts be mitigated?	Uncertain	Justification for ra	anking
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Air Impacts: Additional impacts on areas with d	- : :	
Potential impacts	No towns are located within 5 kilometres of the		
	1km from the closest sensitive receiver (Bolwar	,	
	has been undertaken and will continue to be un		
	particularly where the separation distance is les		les will be relocated or managed if
	required to minimise impacts to sensitive recep	itors.	
	Potential air quality impacts may include:		
	> particulates and emissions from vehicle exhau	ists, plant and mach	ninery.
	> wind erosion and dust from disturbed soils du	•	The state of the s
	> dust from vehicles travelling over tracks.		
	> dust generation from drilling and rehabilitation	n activities.	
Proposed management controls	> Activities will comply with title conditions and		practice (Environmental Management and
	Rehabilitation).		
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	acceptable to them.		
	> Activities will be relocated or managed if requ		
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	> Avoiding vehicle movements where possible		
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	> Dust suppression will be in place during drillin > Haverford will implement all relevant procedu		
	complaints.	ares for illanaging p	otential all quality impacts of managing
Duration	5		
Application ranking	Low Adverse		
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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?	Material and a state of the same of a sufficient		
Criteria	Water Impacts: Impacts from the use of surface		
Potential impacts	No works will be undertaken on waterfront land only where permitted by the landowner.	d. Minor use of surfa	ace water from farm dams may occur,
	Groundwater may be intersected during drilling proposed to be taken. However, interception or depressurisation of groundwater systems in dri	f groundwater may	

Proposed management controls  Duration	> Comply with title conditions and relevant cod Rehabilitation). > Water will be sourced from the Condobolin w landholder dam (only if permitted by the landh > If it rains such that ground conditions are too suspended until ground conditions improve, to > No works will be completed on waterfront lat > All sediment and erosion controls will be mar > Existing access tracks will be used wherever produced by Non-toxic & biodegradable downhole consunt > Sumps will be used to managed intersected grading > Any contaminated water will be disposed of a disposal provider. > Haverford will implement all relevant procedic complaints.	rater standpipe oper older). poor for operations avoid both surface ond. laged in accordance lossible. decommissioned in sof Practice to prote hables and fluids will roundwater mixed with the nearest licence.	rated by Lachlan Shire Council, or a local to continue, then activities will be water impacts and any damage to tracks.  with Blue Book.  accordance with authority/title ect groundwater/aquifers. I be used where possible.  with drilling fluids/muds. ed waste facility or by an appropriate
Application ranking	Low Adverse		
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No
How resilient is the environment to	High Resilience	What is the	Low
cope with impacts?		level of public	
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Can the impacts be reversed?		potential	
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Can the impacts be mitigated?	Yes		anking
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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?	Water Impacts: Impacts from storage of water  No works will be undertaken on waterfront lan only where permitted by the landowner.  Groundwater may be intersected during drilling proposed to be taken. However, interception of depressurisation of groundwater systems in dri  > Comply with title conditions and relevant cod Rehabilitation).  > Water will be sourced from the Condobolin w landholder dam (only if permitted by the landh > If it rains such that ground conditions are too suspended until ground conditions improve, to > No works will be completed on waterfront lan > All sediment and erosion controls will be mar > Existing access tracks will be used wherever p > Boreholes will be constructed, operated and conditions, Departmental Guidelines and Code > Non-toxic & biodegradable downhole consun > Sumps will be used to managed intersected g > Any contaminated water will be disposed of a disposal provider. > Haverford will implement all relevant proced complaints.  5 Low Adverse  High  High Resilience	d. Minor use of surface of practice (Environmental Surface of practice (Environmental Surface of practice to protein ables and fluids will roundwater mixed of the nearest licence of the protein and the protein and the practice of practice to protein ables and fluids will roundwater mixed of the nearest licence of the protein ables and fluids will roundwater mixed of the nearest licence of the protein and the protei	anagement in sumps. No groundwater is cause cross contamination and/or commental Management and rated by Lachlan Shire Council, or a local sto continue, then activities will be water impacts and any damage to tracks.  with Blue Book. accordance with authority/title ect groundwater/aquifers. I be used where possible. with drilling fluids/muds. ed waste facility or by an appropriate otential water impacts or managing
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	Water Impacts: Impacts from storage of water  No works will be undertaken on waterfront lan only where permitted by the landowner.  Groundwater may be intersected during drilling proposed to be taken. However, interception of depressurisation of groundwater systems in dri  > Comply with title conditions and relevant cod Rehabilitation).  > Water will be sourced from the Condobolin w landholder dam (only if permitted by the landh > If it rains such that ground conditions are too suspended until ground conditions improve, to > No works will be completed on waterfront lan > All sediment and erosion controls will be mar > Existing access tracks will be used wherever p > Boreholes will be constructed, operated and conditions, Departmental Guidelines and Code > Non-toxic & biodegradable downhole consun > Sumps will be used to managed intersected g > Any contaminated water will be disposed of a disposal provider.  > Haverford will implement all relevant proced complaints.  5 Low Adverse  High	d. Minor use of surface of practice (Environmental Surface of practice (Environmental Surface of practice to protein ables and fluids will roundwater mixed of the nearest licence of the protein and the protein and the practice of practice to protein ables and fluids will roundwater mixed of the nearest licence of the protein ables and fluids will roundwater mixed of the nearest licence of the protein and the protei	anagement in sumps. No groundwater is cause cross contamination and/or commental Management and rated by Lachlan Shire Council, or a local sto continue, then activities will be water impacts and any damage to tracks.  with Blue Book. accordance with authority/title ect groundwater/aquifers. I be used where possible. with drilling fluids/muds. ed waste facility or by an appropriate otential water impacts or managing
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?	Water Impacts: Impacts from storage of water  No works will be undertaken on waterfront lan only where permitted by the landowner.  Groundwater may be intersected during drilling proposed to be taken. However, interception of depressurisation of groundwater systems in dri  > Comply with title conditions and relevant cod Rehabilitation).  > Water will be sourced from the Condobolin w landholder dam (only if permitted by the landh > If it rains such that ground conditions are too suspended until ground conditions improve, to > No works will be completed on waterfront lan > All sediment and erosion controls will be mar > Existing access tracks will be used wherever p > Boreholes will be constructed, operated and conditions, Departmental Guidelines and Code > Non-toxic & biodegradable downhole consun > Sumps will be used to managed intersected g > Any contaminated water will be disposed of a disposal provider. > Haverford will implement all relevant proced complaints.  5 Low Adverse  High  High Resilience	d. Minor use of surface of practice (Environmental Surface of practice (Environmental Surface of practice to protein ables and fluids will roundwater mixed of the nearest licence of the protein and the protein and the practice of practice to protein ables and fluids will roundwater mixed of the nearest licence of the protein ables and fluids will roundwater mixed of the nearest licence of the protein and the protei	anagement in sumps. No groundwater is cause cross contamination and/or commental Management and rated by Lachlan Shire Council, or a local sto continue, then activities will be water impacts and any damage to tracks.  with Blue Book. accordance with authority/title ect groundwater/aquifers. I be used where possible. with drilling fluids/muds. ed waste facility or by an appropriate otential water impacts or managing

Can the impacts be mitigated?	Partly	Justification for ra	anking
Do the operations comply with	Yes		3
standards, plans, policies?			
Criteria	Water Impacts: Impacts from changes to natural		<del>-</del>
Potential impacts	No works will be undertaken on waterfront lan only where permitted by the landowner.	d. Minor use of surfa	ace water from farm dams may occur,
	Groundwater may be intersected during drilling proposed to be taken. However, interception o	- :	
	depressurisation of groundwater systems in dri		
Proposed management controls	> Comply with title conditions and relevant cod Rehabilitation). > Water will be sourced from the Condobolin w	vater standpipe oper	<u> </u>
	landholder dam (only if permitted by the landh > If it rains such that ground conditions are too suspended until ground conditions improve, to	poor for operations avoid both surface	
	> No works will be completed on waterfront lat > All sediment and erosion controls will be mar		with Pluo Pook
	> Existing access tracks will be used wherever p	-	with blue book.
	> Boreholes will be constructed, operated and		accordance with authority/title
	conditions, Departmental Guidelines and Code	s of Practice to prote	ect groundwater/aquifers.
	> Non-toxic & biodegradable downhole consun		·
	> Sumps will be used to managed intersected g > Any contaminated water will be disposed of a		=
	disposal provider.	it the hearest licence	ed waste facility of by all appropriate
	> Haverford will implement all relevant proced	ures for managing p	otential water impacts or managing
	complaints.		
Duration	5		
Application ranking What is the confidence in predicting	Low Adverse High	Are further	No
impacts?	nigii	studies	NO
		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	High Resilience	What is the	Low
cope with impacts?		level of public concern?	
Can the impacts be reversed?	Uncertain	Ranking of	Low
		potential	
		significance	
Can the impacts be mitigated?	Partly	Justification for ra	anking
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Water Impacts: Impacts from aquifer interferer	l nce, including chang	es to inter-aquifer connectivity.
Potential impacts	No works will be undertaken on waterfront lan		ace water from farm dams may occur
Potential impacts	No works will be undertaken on waterfront lan only where permitted by the landowner.	d. Minor use of surfa	
Potential impacts	only where permitted by the landowner.  Groundwater may be intersected during drilling	d. Minor use of surfa	anagement in sumps. No groundwater is
Potential impacts	only where permitted by the landowner.  Groundwater may be intersected during drilling proposed to be taken. However, interception o	d. Minor use of surfa g and will require ma f groundwater may	anagement in sumps. No groundwater is
	only where permitted by the landowner.  Groundwater may be intersected during drilling proposed to be taken. However, interception o depressurisation of groundwater systems in dri	d. Minor use of surfa g and will require may f groundwater may Illing operations.	anagement in sumps. No groundwater is cause cross contamination and/or
	only where permitted by the landowner.  Groundwater may be intersected during drilling proposed to be taken. However, interception o	d. Minor use of surfa g and will require may f groundwater may Illing operations.	anagement in sumps. No groundwater is cause cross contamination and/or
	only where permitted by the landowner.  Groundwater may be intersected during drilling proposed to be taken. However, interception of depressurisation of groundwater systems in drift > Comply with title conditions and relevant code Rehabilitation).  > Water will be sourced from the Condobolin was considered.	d. Minor use of surfa g and will require ma f groundwater may illing operations. les of practice (Envir	anagement in sumps. No groundwater is cause cross contamination and/or onmental Management and
	only where permitted by the landowner.  Groundwater may be intersected during drilling proposed to be taken. However, interception of depressurisation of groundwater systems in drift > Comply with title conditions and relevant code Rehabilitation).  > Water will be sourced from the Condobolin we landholder dam (only if permitted by the landholder dam (only if per	d. Minor use of surfa g and will require ma f groundwater may illing operations. les of practice (Envir vater standpipe oper older).	anagement in sumps. No groundwater is cause cross contamination and/or onmental Management and rated by Lachlan Shire Council, or a local
	only where permitted by the landowner.  Groundwater may be intersected during drilling proposed to be taken. However, interception of depressurisation of groundwater systems in drift of the comply with title conditions and relevant code Rehabilitation).  > Water will be sourced from the Condobolin will landholder dam (only if permitted by the landholder it rains such that ground conditions are too	d. Minor use of surfa g and will require ma f groundwater may illing operations. les of practice (Envir vater standpipe oper older). poor for operations	anagement in sumps. No groundwater is cause cross contamination and/or onmental Management and rated by Lachlan Shire Council, or a local to continue, then activities will be
	only where permitted by the landowner.  Groundwater may be intersected during drilling proposed to be taken. However, interception of depressurisation of groundwater systems in drilling > Comply with title conditions and relevant code Rehabilitation).  > Water will be sourced from the Condobolin we landholder dam (only if permitted by the landholder it rains such that ground conditions are too suspended until ground conditions improve, to	d. Minor use of surface of processing and will require may figure operations. les of practice (Environter standpipe operolder).  poor for operations avoid both surface of surfa	anagement in sumps. No groundwater is cause cross contamination and/or onmental Management and rated by Lachlan Shire Council, or a local to continue, then activities will be
	only where permitted by the landowner.  Groundwater may be intersected during drilling proposed to be taken. However, interception of depressurisation of groundwater systems in drift of the comply with title conditions and relevant code Rehabilitation).  > Water will be sourced from the Condobolin will landholder dam (only if permitted by the landholder it rains such that ground conditions are too	d. Minor use of surface of processing and will require may figured by the first standpipe oper older).  poor for operations avoid both surface ond.	anagement in sumps. No groundwater is cause cross contamination and/or onmental Management and rated by Lachlan Shire Council, or a local to continue, then activities will be water impacts and any damage to tracks
	only where permitted by the landowner.  Groundwater may be intersected during drilling proposed to be taken. However, interception of depressurisation of groundwater systems in drilling comply with title conditions and relevant code Rehabilitation).  > Water will be sourced from the Condobolin we landholder dam (only if permitted by the landholder dam to suspended until ground conditions are too suspended until ground conditions improve, to to some land to some land to suspended until be completed on waterfront land to suspended until be used wherever suspended until suspended until be used wherever suspended until suspe	d. Minor use of surface of processible.	anagement in sumps. No groundwater is cause cross contamination and/or onmental Management and rated by Lachlan Shire Council, or a local to continue, then activities will be water impacts and any damage to tracks with Blue Book.
	only where permitted by the landowner.  Groundwater may be intersected during drilling proposed to be taken. However, interception of depressurisation of groundwater systems in drilling comply with title conditions and relevant code Rehabilitation).  > Water will be sourced from the Condobolin we landholder dam (only if permitted by the landholder dam to suspended until ground conditions are too suspended until ground conditions improve, to to the No works will be completed on waterfront law all sediment and erosion controls will be mare to be seizhed and seizhed	d. Minor use of surface of processible.  d. Minor use of surface of groundwater may lling operations.  les of practice (Environater standpipe operolder).  poor for operations avoid both surface on the consistence of the co	anagement in sumps. No groundwater is cause cross contamination and/or onmental Management and rated by Lachlan Shire Council, or a local to continue, then activities will be water impacts and any damage to track with Blue Book.
	only where permitted by the landowner.  Groundwater may be intersected during drilling proposed to be taken. However, interception of depressurisation of groundwater systems in drilling comply with title conditions and relevant code Rehabilitation).  > Water will be sourced from the Condobolin we landholder dam (only if permitted by the landhest lift it rains such that ground conditions are too suspended until ground conditions improve, to to the No works will be completed on waterfront lates all sediment and erosion controls will be mare to be seizhed experienced by the landhest lift in the sediment and erosion controls will be mare to be seen to be seen the sediment and erosion controls will be mare to be seen to be sed wherever provided in the sediment and conditions, Departmental Guidelines and Codes to be sediment and codes to be sediment and codes to be sediment and conditions, Departmental Guidelines and Codes to be sediment and codes to be sediment.	d. Minor use of surface of processible.  desor Practice to procession accordance of practice accordance	anagement in sumps. No groundwater is cause cross contamination and/or commental Management and rated by Lachlan Shire Council, or a local to continue, then activities will be water impacts and any damage to track with Blue Book.  accordance with authority/title ect groundwater/aquifers.
	only where permitted by the landowner.  Groundwater may be intersected during drilling proposed to be taken. However, interception of depressurisation of groundwater systems in drilling comply with title conditions and relevant code Rehabilitation).  > Water will be sourced from the Condobolin we landholder dam (only if permitted by the landholder dam to suspended until ground conditions are too suspended until ground conditions improve, to to the No works will be completed on waterfront law all sediment and erosion controls will be mare to be seizhed and seizhed	d. Minor use of surface of surfac	anagement in sumps. No groundwater is cause cross contamination and/or commental Management and rated by Lachlan Shire Council, or a local to continue, then activities will be water impacts and any damage to track with Blue Book.  accordance with authority/title ect groundwater/aquifers.
Proposed management controls	only where permitted by the landowner.  Groundwater may be intersected during drilling proposed to be taken. However, interception of depressurisation of groundwater systems in drilling comply with title conditions and relevant code Rehabilitation).  > Water will be sourced from the Condobolin we landholder dam (only if permitted by the landholder dam (only if permitted by the landholder dam that ground conditions are too suspended until ground conditions improve, to to the No works will be completed on waterfront lated All sediment and erosion controls will be mare to be seizhed and existing access tracks will be used wherever provided the service of the se	d. Minor use of surface of surfac	anagement in sumps. No groundwater is cause cross contamination and/or onmental Management and rated by Lachlan Shire Council, or a local to continue, then activities will be water impacts and any damage to track with Blue Book.  accordance with authority/title ect groundwater/aquifers. I be used where possible. with drilling fluids/muds.
	only where permitted by the landowner.  Groundwater may be intersected during drilling proposed to be taken. However, interception of depressurisation of groundwater systems in drid a Comply with title conditions and relevant code Rehabilitation).  > Water will be sourced from the Condobolin will landholder dam (only if permitted by the landholder dam (only if permitted by the landholder it is such that ground conditions are too suspended until ground conditions improve, too No works will be completed on waterfront lated All sediment and erosion controls will be mare a Existing access tracks will be used wherever proposed by Soreholes will be constructed, operated and conditions, Departmental Guidelines and Code Non-toxic & biodegradable downhole consumed Sumps will be used to managed intersected good Any contaminated water will be disposed of a disposal provider.	d. Minor use of surface of surfac	anagement in sumps. No groundwater is cause cross contamination and/or onmental Management and rated by Lachlan Shire Council, or a local to continue, then activities will be water impacts and any damage to track with Blue Book.  accordance with authority/title ect groundwater/aquifers. I be used where possible. with drilling fluids/muds. ed waste facility or by an appropriate
	only where permitted by the landowner.  Groundwater may be intersected during drilling proposed to be taken. However, interception of depressurisation of groundwater systems in drid a Comply with title conditions and relevant code Rehabilitation).  > Water will be sourced from the Condobolin will landholder dam (only if permitted by the landholder dam (only if permitted by the landholder in the such that ground conditions are too suspended until ground conditions improve, too No works will be completed on waterfront late All sediment and erosion controls will be mare a Existing access tracks will be used wherever proposed by Soreholes will be constructed, operated and conditions, Departmental Guidelines and Code Non-toxic & biodegradable downhole consumes a Sumps will be used to managed intersected good and contaminated water will be disposed of a disposal provider.  > Haverford will implement all relevant procedures.	d. Minor use of surface of surfac	anagement in sumps. No groundwater is cause cross contamination and/or onmental Management and rated by Lachlan Shire Council, or a local to continue, then activities will be water impacts and any damage to tracks with Blue Book.  accordance with authority/title ect groundwater/aquifers. I be used where possible. with drilling fluids/muds. ed waste facility or by an appropriate
	only where permitted by the landowner.  Groundwater may be intersected during drilling proposed to be taken. However, interception of depressurisation of groundwater systems in drid a Comply with title conditions and relevant code Rehabilitation).  > Water will be sourced from the Condobolin will landholder dam (only if permitted by the landholder dam (only if permitted by the landholder it is such that ground conditions are too suspended until ground conditions improve, too No works will be completed on waterfront lated All sediment and erosion controls will be mare a Existing access tracks will be used wherever proposed by Soreholes will be constructed, operated and conditions, Departmental Guidelines and Code Non-toxic & biodegradable downhole consumed Sumps will be used to managed intersected good Any contaminated water will be disposed of a disposal provider.	d. Minor use of surface of surfac	anagement in sumps. No groundwater is cause cross contamination and/or onmental Management and rated by Lachlan Shire Council, or a local to continue, then activities will be water impacts and any damage to tracks with Blue Book.  accordance with authority/title ect groundwater/aquifers. I be used where possible. with drilling fluids/muds. ed waste facility or by an appropriate

What is the confidence in predicting impacts?	High	Are further studies required on impacts or	No
		mitigation?	
How resilient is the environment to	High Resilience	What is the	Low
cope with impacts?	Tilgii Nesilience	level of public concern?	LOW
Can the impacts be reversed?	Yes	Ranking of	Low
can the impacts be reversed:	163	potential	LOW
		significance	
Can the impacts be mitigated?	Fully	Justification for ra	anking
Do the operations comply with	Yes	Justilication for the	u9
standards, plans, policies?			
Criteria Criteria	Water Impacts: Impacts from changes to flooding	ng or tidal regimes.	
Potential impacts	No works will be undertaken on waterfront land	<u> </u>	ace water from farm dams may occur
rotentiai impacts	only where permitted by the landowner.	a. Millor use of surre	ace water nonitalin danis may occur,
	Groundwater may be intersected during drilling		=
	proposed to be taken. However, interception of		cause cross contamination and/or
	depressurisation of groundwater systems in dri		
Proposed management controls	> Comply with title conditions and relevant cod	es of practice (Envir	onmental Management and
	Rehabilitation).		
	> Water will be sourced from the Condobolin w		rated by Lachlan Shire Council, or a local
	landholder dam (only if permitted by the landholder		
	> If it rains such that ground conditions are too	•	
	suspended until ground conditions improve, to		water impacts and any damage to tracks.
	> No works will be completed on waterfront lar		
	> All sediment and erosion controls will be man	•	with Blue Book.
	> Existing access tracks will be used wherever p		and the state of t
	> Boreholes will be constructed, operated and c		
	conditions, Departmental Guidelines and Codes	•	= -
	> Non-toxic & biodegradable downhole consum		
	> Sumps will be used to managed intersected gi		_
	> Any contaminated water will be disposed of a disposal provider.	t the hearest licence	ed waste facility of by all appropriate
	> Haverford will implement all relevant procedu	iros for managing n	otontial water impacts or managing
		ares for illaliaging p	otential water impacts of managing
Duration	complaints.		
Duration			
Application ranking	Negligible	A C	N.
What is the confidence in predicting	High	Are further	No
impacts?		studies	
		required on	
		impacts or	
Have reciliant to the constrainers of the	High Positiones	mitigation?	Low
How resilient is the environment to	High Resilience	What is the	Low
cope with impacts?		level of public	
Can the transaction and 12	Ver	concern?	Law
Can the impacts be reversed?	Yes	Ranking of	Low
		potential	
o de la companya de l	B. II	significance	
Can the impacts be mitigated?	Partly	Justification for ra	anking
Do the operations comply with	Yes		
standards, plans, policies?	Material management of the state of the stat		although an analy
Criteria	Water Impacts: Impacts from changes in surface		
Potential impacts	No works will be undertaken on waterfront land only where permitted by the landowner.	d. Minor use of surfa	ace water from farm dams may occur,
	Groundwater may be intercepted during daillies	and will recuire	anagement in summs. No groundwester :-
	Groundwater may be intersected during drilling		=
	Groundwater may be intersected during drilling proposed to be taken. However, interception of depressurisation of groundwater systems in dril	f groundwater may	=

Proposed management controls			
rioposed management controls	Comply with title conditions and relevant cod Rehabilitation).      Water will be sourced from the Condobolin w landholder dam (only if permitted by the landh	vater standpipe oper	-
	> If it rains such that ground conditions are too suspended until ground conditions improve, to	poor for operations	
	> No works will be completed on waterfront lar		water impacts and any damage to tracks
	> All sediment and erosion controls will be man		with Blue Book.
	> Existing access tracks will be used wherever p	ossible.	
	> Boreholes will be constructed, operated and	decommissioned in	accordance with authority/title
	conditions, Departmental Guidelines and Codes		
	> Non-toxic & biodegradable downhole consum		·
	> Sumps will be used to managed intersected g		_
	> Any contaminated water will be disposed of a	it the hearest licenc	ed waste facility or by an appropriate
	disposal provider. > Haverford will implement all relevant procedure.	ires for managing n	otential water impacts or managing
	complaints.	ures for managing p	oteritial water impacts of managing
Duration	5		
Application ranking	Low Adverse		
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?	Uncertain	Ranking of	Low
		potential	
		significance	
		Significance	
Can the impacts be mitigated?	Partly	Justification for r	anking
Can the impacts be mitigated?  Do the operations comply with	Partly Yes		anking
Do the operations comply with standards, plans, policies?	Yes	Justification for r	<u> </u>
Do the operations comply with		Justification for r	<u> </u>
Do the operations comply with standards, plans, policies?	Yes	Justification for r	mination, salinisation or acidification).
Do the operations comply with standards, plans, policies? Criteria	Yes  Soil & Stability Impacts: Degradation of soil qua  > Soil erosion and sediment laden runoff from a  > Soil compaction from construction/operation	Justification for r	mination, salinisation or acidification).
Do the operations comply with standards, plans, policies? Criteria	Yes  Soil & Stability Impacts: Degradation of soil qua  > Soil erosion and sediment laden runoff from o  > Soil compaction from construction/operation  > Contamination of soils from chemical spills.	Justification for r lity (including conta disturbed areas/area s.	mination, salinisation or acidification).
Do the operations comply with standards, plans, policies? Criteria	Yes  Soil & Stability Impacts: Degradation of soil qua  > Soil erosion and sediment laden runoff from a  > Soil compaction from construction/operation	Justification for r lity (including conta disturbed areas/area s.	mination, salinisation or acidification).
Do the operations comply with standards, plans, policies? Criteria	Yes  Soil & Stability Impacts: Degradation of soil qua  > Soil erosion and sediment laden runoff from a  > Soil compaction from construction/operation  > Contamination of soils from chemical spills.  > Overflow from drill sumps onto surrounding s	Justification for radius disturbed areas/areas.	mination, salinisation or acidification). as where vegetation has been removed.
Do the operations comply with standards, plans, policies? Criteria	Yes  Soil & Stability Impacts: Degradation of soil qua  > Soil erosion and sediment laden runoff from a  > Soil compaction from construction/operation  > Contamination of soils from chemical spills.  > Overflow from drill sumps onto surrounding s  Activities are to be conducted on Land and Soil	Justification for rule lity (including contact disturbed areas/areas.	mination, salinisation or acidification). as where vegetation has been removed. I and 6. Class 4 land has moderate to high
Do the operations comply with standards, plans, policies? Criteria	Yes  Soil & Stability Impacts: Degradation of soil qua  > Soil erosion and sediment laden runoff from of soil compaction from construction/operation  > Contamination of soils from chemical spills.  > Overflow from drill sumps onto surrounding soil surrounding s	Justification for radiative (including contactisturbed areas/areas.	mination, salinisation or acidification). as where vegetation has been removed. I and 6. Class 4 land has moderate to high ty grazing and horticulture. Class 6 land is
Do the operations comply with standards, plans, policies? Criteria	Yes  Soil & Stability Impacts: Degradation of soil qua  > Soil erosion and sediment laden runoff from of soil compaction from construction/operation of soils from chemical spills.  > Overflow from drill sumps onto surrounding such as a cross of low capability and has very high limitations for high impact land uses such as cross of low capability and has very high limitations for high impact land uses such as cross of low capability and has very high limitations for high impact land uses such as cross of low capability and has very high limitations for high impact land uses such as cross of low capability and has very high limitations for high impact land uses such as cross of low capability and has very high limitations for high impact land uses such as cross of low capability and has very high limitations for high l	Justification for radiative (including contact) disturbed areas/areas.  soils.  Capability Classes 4 pping, high-intensitor high impact land	mination, salinisation or acidification).  as where vegetation has been removed.  I and 6. Class 4 land has moderate to high ty grazing and horticulture. Class 6 land is uses.
Do the operations comply with standards, plans, policies? Criteria	Yes  Soil & Stability Impacts: Degradation of soil qua  > Soil erosion and sediment laden runoff from one construction/operation  > Contamination of soils from chemical spills.  > Overflow from drill sumps onto surrounding such contaminations for be conducted on Land and Soil limitations for high impact land uses such as croof low capability and has very high limitations fundaments.	Justification for radiative (including contact disturbed areas/areas.  soils.  Capability Classes 4 poping, high-intensity or high impact land nacid sulfate soils in	mination, salinisation or acidification).  as where vegetation has been removed.  I and 6. Class 4 land has moderate to high ty grazing and horticulture. Class 6 land is uses.  In the area of proposed activities.
Do the operations comply with standards, plans, policies?	Yes  Soil & Stability Impacts: Degradation of soil qua  > Soil erosion and sediment laden runoff from of soil compaction from construction/operation of soils from chemical spills.  > Overflow from drill sumps onto surrounding such as a cross of low capability and has very high limitations for high impact land or known soils in the area of proposed activities are general.	Justification for radiative (including contact disturbed areas/areas).  Soils.  Capability Classes 4 pipping, high-intensition high impact land in acid sulfate soils irrally of low to mode.	mination, salinisation or acidification).  as where vegetation has been removed.  I and 6. Class 4 land has moderate to high ty grazing and horticulture. Class 6 land is uses.  I the area of proposed activities. Erate fertility.
Do the operations comply with standards, plans, policies?	Yes  Soil & Stability Impacts: Degradation of soil qua  > Soil erosion and sediment laden runoff from of soil compaction from construction/operation of soils from chemical spills.  > Overflow from drill sumps onto surrounding soils are to be conducted on Land and Soil limitations for high impact land uses such as cred flow capability and has very high limitations for there is no Strategic Agricultural Land or known Soils in the area of proposed activities are generally activities are generally soil categories lie within the proposed activities.	Justification for radiative (including contact disturbed areas/areas).  Justification for radiative (including contact disturbed areas/areas).  Justification for radiative (including contact disturbed area of activities, including contact disturbed areas/are	mination, salinisation or acidification).  as where vegetation has been removed.  I and 6. Class 4 land has moderate to high ty grazing and horticulture. Class 6 land is uses.  I the area of proposed activities.  Perate fertility.  Cluding Chromosols and Rudosols on the
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Do the operations comply with standards, plans, policies?  Criteria  Potential impacts  Proposed management controls  Duration  Application ranking  What is the confidence in predicting impacts?	Yes  Soil & Stability Impacts: Degradation of soil qua  > Soil erosion and sediment laden runoff from of the soil compaction from construction/operation of soils from chemical spills.  > Overflow from drill sumps onto surrounding some content of the sumps of the surrounding some conflictions of the sumps of the surrounding soil climitations for high impact land uses such as created in the sumps of	Justification for r  lity (including conta disturbed areas/area s.  coils.  Capability Classes 4 copping, high-intensifor high impact land n acid sulfate soils in rally of low to mode area of activities, ind cic Brown Soils and les of practice (Envir sturbance. ution/contamination laged in accordance lassible. icals to reduce risk to ecommissioned in active protect groundw ures for managing p  Are further studies required on impacts or mitigation?	mination, salinisation or acidification).  as where vegetation has been removed.  If and 6. Class 4 land has moderate to high ty grazing and horticulture. Class 6 land is uses.  In the area of proposed activities.  Berate fertility.  Cluding Chromosols and Rudosols on the Lithosols on the Great Soil Group map.  Formomental Management and  In of land or water.  With Blue Book.  Boto soils.  Cocordance with authority/title conditions, water/aquifers.  In otential soil impacts or managing
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  Soil & Stability Impacts: Degradation of soil qua  > Soil erosion and sediment laden runoff from of the soil compaction from construction/operation of soils from chemical spills.  > Overflow from drill sumps onto surrounding soil limitations for high impact land uses such as croof low capability and has very high limitations for limitations for high impact land uses such as croof low capability and has very high limitations for high impact land or known soils in the area of proposed activities are gene various soil Classification (ASC), and Non-Cale Comply with title conditions and relevant code Rehabilitation).  > Minimising vegetation clearing and surface dient of the sediment and erosion controls will be manous existing access tracks to be used wherever poesed activities are gene validation or pollutions.  Soil & Stability Impacts: Degradation of soil limitations from the proposed activities are gene various soil Classification (ASC), and Non-Cale validations of the proposed activities are gene validations.  Soil & Stability Impacts: Degradation of soil limitations from the proposed activities are gene validations.  Soil & Stability Impacts: Degradation of soil limitations from the proposed activities are gene validations.  Soil & Stability Impacts: Degradation of soil limitations from the proposed activities are gene validations.  Soil & Stability Impacts: Degradation of soil limitations from the proposed activities are gene validations.  Soil & Stability Impacts: Degradation of soil limitations from the proposed activities are gene validations.  Soil & Stability Impacts: Degradation of soil limitations from the proposed activities are gene validations.  Soil & Stability Impacts: Degradation of soil limitations from the proposed activities are gene validations.  Soil & Stability Impacts: Degradation of soil limitations from the proposed activities are gene validations.  Soil & Stability Impacts: Degradation of soil limitations from the proposed activities are gene validations.  Soil & Stability Impacts	Justification for r  lity (including conta disturbed areas/area s.  coils.  Capability Classes 2 copping, high-intensif or high impact land n acid sulfate soils in rally of low to mode area of activities, ind cic Brown Soils and les of practice (Envir sturbance. ution/contamination laged in accordance lissible. icals to reduce risk to ecommissioned in accordance sissible.  Are further studies required on impacts or mitigation? What is the	mination, salinisation or acidification).  as where vegetation has been removed.  If and 6. Class 4 land has moderate to high ty grazing and horticulture. Class 6 land is uses.  In the area of proposed activities.  Perate fertility.  Cluding Chromosols and Rudosols on the Lithosols on the Great Soil Group map.  Frommental Management and  In of land or water.  With Blue Book.  Sto soils.  Coordance with authority/title conditions, vater/aquifers.  Otential soil impacts or managing
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  Soil & Stability Impacts: Degradation of soil qua  > Soil erosion and sediment laden runoff from of the soil compaction from construction/operation of soils from chemical spills.  > Overflow from drill sumps onto surrounding some content of the sumps of the surrounding some conflictions of the sumps of the surrounding soil climitations for high impact land uses such as created in the sumps of	Justification for r  lity (including conta disturbed areas/area s.  coils.  Capability Classes 2 copping, high-intensifor high impact land n acid sulfate soils in rally of low to mode area of activities, ind cic Brown Soils and les of practice (Envir sturbance. ution/contamination laged in accordance lissible. licals to reduce risk to ecommissioned in acto protect groundw ures for managing p  Are further studies required on impacts or mitigation? What is the level of public	mination, salinisation or acidification).  as where vegetation has been removed.  If and 6. Class 4 land has moderate to high ty grazing and horticulture. Class 6 land is uses.  In the area of proposed activities.  Berate fertility.  Cluding Chromosols and Rudosols on the Lithosols on the Great Soil Group map.  Formomental Management and  In of land or water.  With Blue Book.  Boto soils.  Cocordance with authority/title conditions, water/aquifers.  Otential soil impacts or managing
Do the operations comply with standards, plans, policies?  Criteria  Potential impacts  Proposed management controls  Duration  Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?	Yes  Soil & Stability Impacts: Degradation of soil qua  > Soil erosion and sediment laden runoff from of the soil compaction from construction/operation of soils from chemical spills.  > Overflow from drill sumps onto surrounding such as a cross of low capability and has very high limitations for high impact land uses such as cross of low capability and has very high limitations for high impact land uses such as cross of low capability and has very high limitations for high impact land or known soils in the area of proposed activities are gene various soil categories lie within the proposed australian Soil Classification (ASC), and Non-Caleston (	Justification for r  lity (including conta disturbed areas/area s.  coils.  Capability Classes 2 copping, high-intensifor high impact land n acid sulfate soils in rally of low to mode area of activities, inc cic Brown Soils and les of practice (Envir sturbance. ution/contamination aged in accordance licials to reduce risk to ecommissioned in ac- to protect groundw ures for managing p  Are further studies required on impacts or mitigation? What is the level of public concern?	mination, salinisation or acidification).  as where vegetation has been removed.  If and 6. Class 4 land has moderate to high ty grazing and horticulture. Class 6 land is uses. In the area of proposed activities. It area fertility. It cluding Chromosols and Rudosols on the Lithosols on the Great Soil Group map. It onmental Management and In of land or water. In with Blue Book. It is soils. It is soil impacts or managing  No  No  Low
Do the operations comply with standards, plans, policies?  Criteria  Potential impacts  Proposed management controls  Duration  Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to	Yes  Soil & Stability Impacts: Degradation of soil qua  > Soil erosion and sediment laden runoff from of the soil compaction from construction/operation of soils from chemical spills.  > Overflow from drill sumps onto surrounding some content of the sumps of the surrounding some conflictions of the sumps of the surrounding soil climitations for high impact land uses such as created in the sumps of	Justification for r  lity (including conta disturbed areas/area s.  coils.  Capability Classes 2 copping, high-intensifor high impact land n acid sulfate soils in rally of low to mode area of activities, ind cic Brown Soils and les of practice (Envir sturbance. ution/contamination laged in accordance lissible. licals to reduce risk to ecommissioned in actor protect groundw ures for managing p  Are further studies required on impacts or mitigation? What is the level of public	mination, salinisation or acidification).  as where vegetation has been removed.  If and 6. Class 4 land has moderate to high ty grazing and horticulture. Class 6 land is uses.  In the area of proposed activities.  Berate fertility.  Cluding Chromosols and Rudosols on the Lithosols on the Great Soil Group map.  Formomental Management and  In of land or water.  With Blue Book.  Boto soils.  Cocordance with authority/title conditions, water/aquifers.  Otential soil impacts or managing

Can the impacts be mitigated?	Partly	Justification for ra	anking
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Soil & Stability Impacts: Impacts on land with hi	l gh agricultural cana	bility.
Potential impacts	> Soil erosion and sediment laden runoff from d	:	<u> </u>
	> Soil compaction from construction/operations		
	> Contamination of soils from chemical spills.		
	> Overflow from drill sumps onto surrounding s	oils.	
	Activities are to be conducted an land and Call	Canability Classes	land & Class Aland has madarate to high
	Activities are to be conducted on Land and Soil limitations for high impact land uses such as cro		
	of low capability and has very high limitations for		
	There is no Strategic Agricultural Land or known		
	Soils in the area of proposed activities are general	•	•
	Various soil categories lie within the proposed a		=
Proposed management controls	Australian Soil Classification (ASC), and Non-Call > Comply with title conditions and relevant code		
Proposed management controls	Rehabilitation).	es of practice (Lilvii	onnenta Management and
	> Minimising vegetation clearing and surface dis	sturbance.	
	> Prevent causing any land degradation or pollu		of land or water.
	> All sediment and erosion controls will be man	•	with Blue Book.
	> Existing access tracks to be used wherever po		to soils
	> Controls on sumps and management of chemics > Boreholes to be constructed, operated and de		
	Departmental Guidelines and Codes of Practice		
	> Haverford will implement all relevant procedu		
	complaints.		
Duration	5		
Application ranking What is the confidence in predicting	Positive	Are further	No
impacts?	High	studies	NO
		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	High Resilience	What is the	Low
cope with impacts?		level of public concern?	
Can the impacts be reversed?	Uncertain	Ranking of	Low
		potential	
		significance	
Can the impacts be mitigated?	Partly	Justification for ra	anking
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Soil & Stability Impacts: Loss of soil from wind o	r water erosion.	
Potential impacts	> Soil erosion and sediment laden runoff from d		as where vegetation has been removed.
•	> Soil compaction from construction/operations		C
	> Contamination of soils from chemical spills.		
	> Overflow from drill sumps onto surrounding s	oils.	
	Activities are to be conducted on Land and Soil	Canability Classes /	1 and 6. Class 4 land has moderate to high
	limitations for high impact land uses such as cro		9
	of low capability and has very high limitations for		
	There is no Strategic Agricultural Land or known	າ acid sulfate soils ir	the area of proposed activities.
	Soils in the area of proposed activities are gene	-	-
	Various soil categories lie within the proposed a		_
Proposed management controls	Australian Soil Classification (ASC), and Non-Call > Comply with title conditions and relevant code		
Froposed management controls	Rehabilitation).	es of practice (Envir	offinerital Management and
	> Minimising vegetation clearing and surface dis	sturbance.	
	> Prevent causing any land degradation or pollu		
	> All sediment and erosion controls will be man	-	with Blue Book.
	> All sediment and erosion controls will be man > Existing access tracks to be used wherever po	ssible.	
	> All sediment and erosion controls will be man > Existing access tracks to be used wherever po > Controls on sumps and management of chemi	ssible. icals to reduce risk t	to soils.
	> All sediment and erosion controls will be man     > Existing access tracks to be used wherever po     > Controls on sumps and management of chemi     > Boreholes to be constructed, operated and de	ssible. icals to reduce risk t ecommissioned in a	to soils. ccordance with authority/title conditions,
	> All sediment and erosion controls will be man > Existing access tracks to be used wherever po > Controls on sumps and management of chemi	ssible. icals to reduce risk tecommissioned in actor to protect groundw	to soils. ccordance with authority/title conditions, vater/aquifers.
	> All sediment and erosion controls will be man     > Existing access tracks to be used wherever por     > Controls on sumps and management of chemi     > Boreholes to be constructed, operated and defined the properties of Practice  Departmental Guidelines and Codes of Practice	ssible. icals to reduce risk tecommissioned in actor to protect groundw	to soils. ccordance with authority/title conditions, vater/aquifers.
Duration	> All sediment and erosion controls will be man     > Existing access tracks to be used wherever por     > Controls on sumps and management of chemical solutions on sumps and poperated and described be constructed, operated and described be constructed.  Payerford will implement all relevant procedures.	ssible. icals to reduce risk tecommissioned in actor to protect groundw	to soils. ccordance with authority/title conditions, vater/aquifers.

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?	Uncertain	Ranking of	Low
		potential	
		significance	
Can the impacts be mitigated?	Partly	Justification for ra	anking
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Soil & Stability Impacts: Loss of structural integr	ity of the soil.	
Potential impacts	> Soil erosion and sediment laden runoff from o	listurbed areas/area	s where vegetation has been removed.
	> Soil compaction from construction/operations	S.	
	> Contamination of soils from chemical spills.		
	> Overflow from drill sumps onto surrounding s	oils.	
	Activities are to be conducted on Land and Soil	Capability Classes 4	and 6. Class 4 land has moderate to high
	limitations for high impact land uses such as cro	pping, high-intensit	y grazing and horticulture. Class 6 land is
	of low capability and has very high limitations for	or high impact land	uses.
	There is no Strategic Agricultural Land or knowr	n acid sulfate soils in	the area of proposed activities.
	Soils in the area of proposed activities are gene	rally of low to mode	rate fertility.
	Various soil categories lie within the proposed a	area of activities, inc	luding Chromosols and Rudosols on the
	Australian Soil Classification (ASC), and Non-Cal	cic Brown Soils and	Lithosols on the Great Soil Group map.
Proposed management controls	> Comply with title conditions and relevant cod	es of practice (Envir	onmental Management and
	Rehabilitation).		
	> Minimising vegetation clearing and surface dis	sturbance.	
	> Prevent causing any land degradation or pollu	ition/contamination	of land or water.
	> All sediment and erosion controls will be man	aged in accordance	with Blue Book.
	> Existing access tracks to be used wherever po	ssible.	
	> Controls on sumps and management of chem	icals to reduce risk t	o soils.
	> Boreholes to be constructed, operated and de		
	Departmental Guidelines and Codes of Practice	to protect groundw	ater/aquifers.
	> Haverford will implement all relevant procedu	ires for managing p	otential soil impacts or managing
	complaints.		
Duration	5		
Application ranking	Low Adverse		
What is the confidence in predicting	High	Are further	No
impacts?		studies	
		studies required on impacts or	
		required on impacts or	
impacts?	High Resilience	required on impacts or mitigation?	Low
impacts?	High Resilience	required on impacts or mitigation? What is the	Low
impacts?	High Resilience	required on impacts or mitigation? What is the level of public	Low
How resilient is the environment to cope with impacts?		required on impacts or mitigation? What is the level of public concern?	
impacts?	High Resilience Uncertain	required on impacts or mitigation? What is the level of public concern?	Low
How resilient is the environment to cope with impacts?		required on impacts or mitigation? What is the level of public concern? Ranking of potential	
How resilient is the environment to cope with impacts?  Can the impacts be reversed?	Uncertain	required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	Low
How resilient is the environment to cope with impacts?  Can the impacts be reversed?  Can the impacts be mitigated?	Uncertain  Partly	required on impacts or mitigation? What is the level of public concern? Ranking of potential	Low
How resilient is the environment to cope with impacts?  Can the impacts be reversed?  Can the impacts be mitigated?  Do the operations comply with	Uncertain	required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	Low
How resilient is the environment to cope with impacts?  Can the impacts be reversed?  Can the impacts be mitigated?  Do the operations comply with standards, plans, policies?	Uncertain  Partly Yes	required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re	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	Uncertain  Partly  Yes  Soil & Stability Impacts: Increased land instability	required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re	Low  anking  m land slides or subsidence.
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?	Uncertain  Partly  Yes  Soil & Stability Impacts: Increased land instabilit  > Soil erosion and sediment laden runoff from c	required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re	Low  anking  m land slides or subsidence.
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	Uncertain  Partly  Yes  Soil & Stability Impacts: Increased land instabilit  > Soil erosion and sediment laden runoff from c  > Soil compaction from construction/operations	required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re	Low  anking  m land slides or subsidence.
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	Uncertain  Partly Yes  Soil & Stability Impacts: Increased land instability > Soil erosion and sediment laden runoff from construction/operations > Contamination of soils from chemical spills.	required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for retired to the potential significance.	Low  anking  m land slides or subsidence.
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	Uncertain  Partly  Yes  Soil & Stability Impacts: Increased land instabilit  > Soil erosion and sediment laden runoff from c  > Soil compaction from construction/operations	required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for retired to the potential significance.	Low  anking  m land slides or subsidence.
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	Uncertain  Partly  Yes  Soil & Stability Impacts: Increased land instabilit  > Soil erosion and sediment laden runoff from c  > Soil compaction from construction/operation:  > Contamination of soils from chemical spills.  > Overflow from drill sumps onto surrounding s	required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for retire ty with high risks from the listurbed areas/areas.	Low  anking  m land slides or subsidence. s where vegetation has been removed.
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	Uncertain  Partly  Yes  Soil & Stability Impacts: Increased land instabilit  > Soil erosion and sediment laden runoff from c  > Soil compaction from construction/operation:  > Contamination of soils from chemical spills.  > Overflow from drill sumps onto surrounding s  Activities are to be conducted on Land and Soil	required on impacts or mitigation?  What is the level of public concern?  Ranking of potential significance  Justification for redisturbed areas/areas.  oils.  Capability Classes 4	Low  anking  m land slides or subsidence. as where vegetation has been removed.  and 6. Class 4 land has moderate to high
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	Uncertain  Partly  Yes  Soil & Stability Impacts: Increased land instabilit  > Soil erosion and sediment laden runoff from c  > Soil compaction from construction/operation:  > Contamination of soils from chemical spills.  > Overflow from drill sumps onto surrounding s  Activities are to be conducted on Land and Soil limitations for high impact land uses such as created.	required on impacts or mitigation?  What is the level of public concern?  Ranking of potential significance  Justification for redisturbed areas/areas.  capability Classes 4 opping, high-intensit	Low  anking  m land slides or subsidence.  s where vegetation has been removed.  and 6. Class 4 land has moderate to high y grazing and horticulture. Class 6 land is
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	Uncertain  Partly  Yes  Soil & Stability Impacts: Increased land instabilit  > Soil erosion and sediment laden runoff from c  > Soil compaction from construction/operation:  > Contamination of soils from chemical spills.  > Overflow from drill sumps onto surrounding s  Activities are to be conducted on Land and Soil limitations for high impact land uses such as creof low capability and has very high limitations for	required on impacts or mitigation?  What is the level of public concern?  Ranking of potential significance  Justification for redisturbed areas/areas.  Capability Classes 4 opping, high-intensitor high impact land	Low  anking  m land slides or subsidence. Is where vegetation has been removed.  and 6. Class 4 land has moderate to high y grazing and horticulture. Class 6 land is uses.
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	Uncertain  Partly  Yes  Soil & Stability Impacts: Increased land instability  > Soil erosion and sediment laden runoff from construction/operations  > Contamination of soils from chemical spills.  > Overflow from drill sumps onto surrounding soil imitations for high impact land uses such as created from capability and has very high limitations for There is no Strategic Agricultural Land or known	required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for redisturbed areas/areas. capability Classes 4 pping, high-intensity or high impact land a acid sulfate soils in	Low  anking  m land slides or subsidence. Is where vegetation has been removed.  and 6. Class 4 land has moderate to high y grazing and horticulture. Class 6 land is uses. the area of proposed activities.
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	Uncertain  Partly  Yes  Soil & Stability Impacts: Increased land instability  > Soil erosion and sediment laden runoff from construction/operations  > Contamination of soils from chemical spills.  > Overflow from drill sumps onto surrounding soil limitations for high impact land uses such as created from the conducted on Land and Soil limitations for high impact land uses such as created from the conducted on Land and Soil limitations for high impact land uses such as created from the conducted on Land or known soils in the area of proposed activities are gene	required on impacts or mitigation?  What is the level of public concern?  Ranking of potential significance  Justification for redisturbed areas/areas.  Capability Classes 4 opping, high-intensition acid sulfate soils in rally of low to model.	Low  In land slides or subsidence.  Is where vegetation has been removed.  In and 6. Class 4 land has moderate to high y grazing and horticulture. Class 6 land is uses.  It has area of proposed activities.  It has area of proposed activities.  It has area of proposed activities.  It has a rea of proposed activities.  It has a rea of proposed activities.
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	Uncertain  Partly  Yes  Soil & Stability Impacts: Increased land instability  > Soil erosion and sediment laden runoff from construction/operations  > Contamination of soils from chemical spills.  > Overflow from drill sumps onto surrounding soil imitations for high impact land uses such as created from capability and has very high limitations for There is no Strategic Agricultural Land or known	required on impacts or mitigation?  What is the level of public concern?  Ranking of potential significance  Justification for resistance areas/areas.  Capability Classes 4 apping, high-intensitor high impact land a acid sulfate soils in rally of low to mode area of activities, income	Low  In land slides or subsidence.  Is where vegetation has been removed.  In and 6. Class 4 land has moderate to high y grazing and horticulture. Class 6 land is uses.  It he area of proposed activities.  It have a rea of proposed activities.

Proposed management controls   Schedulitations	Proposed management controls			
Proposed management controls		Rehabilitation).		onmental Management and
Set				
Self-site garces trades to be used wherever possible.				
Sources of potential inspacts  Potential impacts be mitigated?  Can the impacts be mitigated?  Potential impacts be mitigated?  Pot			-	with Blue Book.
Potential impacts be interested for the constructed, operated and decommissioned in accordance with authorty/title conditions, Departmental Guidelines and Close of Practice to protect groundward-paulifers.				
Duration 5  Duration 5  Application ranking 6  What is the confidence in predicting impacts?  High Can the impacts be mitigated?  Can the impacts be mitigated?  Proposed management controls  Proposed management contr				
ShaveFord will implement all relevant procedures for managing potential soil impacts or managing complaints				
Complaints   S   S   S   S   S   S   S   S   S		II		
Application raining		1	ires for managing p	otential soil impacts or managing
Application ranking   What is the confidence in predicting impacts?   High   Are further studies required on impacts or mitigation?				
What is the confidence in predicting impacts?   High   Resilience   What is the environment to cope with impacts?   High Resilience   What is the low level of public concern?				
How resilient is the environment to cope with impacts?   And the impacts be reversed?   Impacts or implication or impacts or concern?   Can the impacts be reversed?   Impacts or 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?  Citeria  Potential impacts  Proposed drilling is likely to be greater than law for the closest sensitive receiver (Bolwarra Homestead) implemented.  Proposed management controls  Proposed management controls  Proposed management controls  What is the confidence in predicting impacts and impacts of practical adverse noise impacts are expected where management measures in this APO and RE are effectively implemented.  Hours of operation are 247 for DD drilling and dayshift for RC drilling (if undertaken). No towns are located within 5 km of the activity area. Proposed drilling is likely to be greater than adverse noise impacts are entitled vehicles and will be relocated or managed if required to minimus impacts to the landowner. No significant adverse noise impacts are expected where management measures in this APO and RE are effectively implemented.  Hours of operation are 247 for DD drilling and dayshift for RC drilling (if undertaken). No towns are located within 5 km of the activity area. Proposed drilling is likely to be greater than 1 km from the closest sensitive receiver (Bolwarra Homestead). No significant adverse noise impacts are effectively implemented.  Hours of operation are 247 for DD drilling and dayshift for RC drilling (if undertaken). No towns are located within 5 km of the activity area. Proposed drilling is likely to be greater than 1 km from the closest sensitive receiver (Bolwarra Homestead). No significant and averse noise impacts are are intigrated to receive Moderate and will continue to be undertaken to ensure the proximity is acceptable to them, particularly where the separation distance is less than 1km. Activities will be relocated or managed if required to minimise impacts to make the province of practice (Environmental Management ). > Comply with title conditions and relevant procedures for managing potential		High		No
How resilient is the environment to cope with impacts?  Can the impacts be reversed?  Can the impacts be reversed?  Uncertain  Partly Do the operations comply with standards, plans, policies?  Citeria  Protential impacts  Sources of potential noise and vibration impacts include vehicles, drilling rigs, plant and machinery.  Proposed drilling is likely to be greater than 1km from the closest sensitive receiver (Bolwarra Homestead). Consultation with the homestead resident has been undertaken and will continue to be undertaken to ensure the separation distance is less than 1km. Activities will be relocated or managed if required to minimise impacts to the landowner. No towns are located within 5 km of the activity area. Proposed drilling is likely to be greater than 1km from the closest sensitive receiver (Bolwarra Homestead). Consultation with the homestead resident has been undertaken and will continue to be undertaken to ensure the separation distance is less than 1km. Activities will be relocated or managed if required to minimise impacts to the landowner. No towns are located within 5 km of the activity area. Proposed drilling is likely to be greater than 1km from the closest sensitive receiver (Bolwarara Homestead). No significant adverse noise impacts are articipated due to the separation distances and intervening topography/vegetation. Consultation with the homestead resident has been undertaken and will continue to be undertaken to ensure the proximity is acceptable to them.  Sources and intervening topography/vegetation. Consultation with the homestead resident will continue to be undertaken to ensure the proximity is acceptable to them.  Sources and intervening topography/vegetation. Consultation with the homestead resident will continue to be undertaken to ensure the proximity is acceptable to them.  Sources and intervening topography/vegetation. Consultation with the homestead resident will continue to be undertaken to ensure the proximity is acceptable to them.  Sources are the separation distance i	impacts?		studies	
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Significance  Can the impacts be mitigated? Fully  Do the operations comply with  Yes  Significance  Justification for ranking	Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?	where the separation distance is less than 1km. minimise impacts to the landowner. Haverford potential noise impacts or managing complaint:  > Comply with title conditions and relevant cod > Consultation with the homestead resident wil acceptable to them. > Activities will be relocated or managed if requ. > Impacts will be limited to immediate vicinity of comply with the landholder access agreemen > Maintain machinery and vehicles to minimise > Haverford will implement all relevant procedu complaints.  5  Low Adverse  High  High Resilience	Activities will be re will implement all res.  e of practice (Environt le continue to be und lired to minimise implement activity to the excessive noise, ares for managing public required on impacts or mitigation?  What is the level of public concern?	located or managed if required to relevant procedures for managing sommental Management ). It is dertaken to ensure the proximity is spacts to sensitive receptors. Ity.  Otential noise impacts or managing  No
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standards, plans, policies?	Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?  Can the impacts be reversed?	where the separation distance is less than 1km. minimise impacts to the landowner. Haverford potential noise impacts or managing complaint:  > Comply with title conditions and relevant cod > Consultation with the homestead resident wil acceptable to them. > Activities will be relocated or managed if requ > Impacts will be limited to immediate vicinity of > Comply with the landholder access agreemen > Maintain machinery and vehicles to minimise > Haverford will implement all relevant procedu complaints.  5 Low Adverse High  High Resilience	Activities will be re will implement all res.  e of practice (Environt le continue to be und lired to minimise implement activity.  excessive noise.  ares for managing public required on impacts or mitigation?  What is the level of public concern?  Ranking of potential significance	located or managed if required to relevant procedures for managing sommental Management ).  Idertaken to ensure the proximity is spacts to sensitive receptors.  Ity.  No  Low  Low
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Criteria	Noise & Vibration Impacts: Affects sensitive rec	eptors.	
Potential impacts	Sources of potential noise and vibration impact	s include vehicles, d	rilling rigs, plant and machinery.
	Proposed drilling is likely to be greater than 1kn Consultation with the homestead resident has been sure the proximity is acceptable to them, par Activities will be relocated or managed if required adverse noise impacts are expected where man implemented.	been undertaken an ticularly where the ed to minimise impa	d will continue to be undertaken to separation distance is less than 1km. acts to the landowner. No significant
Proposed management controls	Hours of operation are 24/7 for DD drilling and within 5 km of the activity area. Proposed drilling receiver (Bolwarra Homestead). No significant a distances and intervening topography/vegetatic undertaken and will continue to be undertaken where the separation distance is less than 1km. minimise impacts to the landowner. Haverford potential noise impacts or managing complaints	ng is likely to be greatly adverse noise impaction. Consultation wit to ensure the proxi Activities will be re will implement all r	ater than 1km from the closest sensitive its are anticipated due to the separation th the homestead resident has been mity is acceptable to them, particularly located or managed if required to
	Comply with title conditions and relevant cod     Consultation with the homestead resident wil     acceptable to them.     Activities will be relocated or managed if requ     Impacts will be limited to immediate vicinity of the comply with the landholder access agreemen     Maintain machinery and vehicles to minimise       Haverford will implement all relevant proceducomplaints.	I continue to be und lired to minimise im of exploration activit t. excessive noise.	dertaken to ensure the proximity is apacts to sensitive receptors.  ty.
Duration	5		
Application ranking	Low Adverse		
What is the confidence in predicting impacts?	High	Are further studies required on impacts or	No
How resilient is the environment to cope with impacts?	High Resilience	mitigation? What is the level of public concern?	Low
Can the impacts be reversed?	Yes	Ranking of potential significance	Low
Can the impacts be mitigated?	Fully	Justification for ra	anking
Do the operations comply with	Yes		
standards, plans, policies? Criteria	Coastal Location & Processes: Affects coastal pr	ocesses and coastal	I hazards, including those under projected
	climate change conditions.		
Potential impacts	N/A - not located in a coastal environment		
Proposed management controls	N/A - not located in a coastal environment		
Duration	5		
Application ranking  What is the confidence in predicting impacts?	Positive High	Are further studies required on impacts or mitigation?	No
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?	Low
Can the impacts be reversed?	Yes	Ranking of potential significance	Low
Can the impacts be mitigated?	Fully	Justification for ra	anking
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Hazardous substances or chemicals: Impacts as: hazardous substances or chemicals.	sociated with the us	se, generation, storage or transport of
Potential impacts	Mobilisation of pollutants (such as hydrocarbo Inappropriate disposal of drilling wastes/over Use of pesticides, herbicides, fertilisers or oth the environment, including in air, soils and water	flow from drilling su er chemicals which	ımps.

Proposed management controls	> Comply with title conditions and relevant code			
	> All chemical and hydrocarbons will be transpo	rted and stored in t	the appropriate containers and vessels,	
	and on bunded pallets where required.			
	> Chemicals used will be non-toxic, biodegradat			
	> SDS sheets for all chemicals will be available a	t the drill site and a	Il personnel have access to electronic	
	copies on a centralised DMS via their personal of	levices .		
	> Controls on sumps and management of chemi	cals to reduce risk t	to environment.	
	> Use of pesticides, herbicides, fertilisers or oth	er chemicals will co	mply with legislative requirements	
	> Haverford will implement all relevant procedu	ires for managing po	otential hazardous substances and	
	chemicals impacts or managing complaints.			
Duration	5			
Application ranking	Low Adverse			
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	
	night resilience	level of public	LOW	
cope with impacts?				
0 - 11 - 1 12	W	concern?	1.	
Can the impacts be reversed?	Yes	Ranking of	Low	
		potential		
	5.11	significance	<u> </u>	
Can the impacts be mitigated?	Fully	Justification for ra	anking	
Do the operations comply with	Yes			
standards, plans, policies?				
	1 144 1 0 5 1 1 1 1 1 1	nt resulting from the	e generation or disposal of wastes.	
	Wastes & Emissions: Impacts to the environment	Wastes & Emissions: Impacts to the environment resulting from the generation or disposal of was		
Criteria	· ·		vaters.	
	> Mobilisation of pollutants (such as hydrocarbo	ons) in soils, air or w		
Criteria	> Mobilisation of pollutants (such as hydrocarbo > Inappropriate disposal of drilling wastes / ove	ons) in soils, air or w rflow from drilling s	sumps.	
Criteria	> Mobilisation of pollutants (such as hydrocarbo > Inappropriate disposal of drilling wastes / ove > Use of pesticides, herbicides, fertilisers or oth	ons) in soils, air or w rflow from drilling s	sumps.	
Criteria	> Mobilisation of pollutants (such as hydrocarbo > Inappropriate disposal of drilling wastes / ove > Use of pesticides, herbicides, fertilisers or oth environment, including in soils and water.	ons) in soils, air or w rflow from drilling s er chemicals have tl	sumps. he potential to build up residues in the	
Criteria Potential impacts	> Mobilisation of pollutants (such as hydrocarbo > Inappropriate disposal of drilling wastes / ove > Use of pesticides, herbicides, fertilisers or oth environment, including in soils and water. > Increased waste in landfill from disposal of co	ons) in soils, air or w rflow from drilling s er chemicals have tl ntaminated drilling	sumps. he potential to build up residues in the wastes	
Criteria	> Mobilisation of pollutants (such as hydrocarbo > Inappropriate disposal of drilling wastes / ove > Use of pesticides, herbicides, fertilisers or oth environment, including in soils and water. > Increased waste in landfill from disposal of co > Comply with title conditions and relevant code	ons) in soils, air or w rflow from drilling s er chemicals have tl ntaminated drilling	sumps. he potential to build up residues in the wastes	
Criteria Potential impacts	> Mobilisation of pollutants (such as hydrocarbo > Inappropriate disposal of drilling wastes / ove > Use of pesticides, herbicides, fertilisers or oth environment, including in soils and water. > Increased waste in landfill from disposal of co > Comply with title conditions and relevant code Rehabilitation).	ons) in soils, air or w rflow from drilling s er chemicals have th ntaminated drilling e of practice (Enviro	sumps. he potential to build up residues in the wastes onmental Management and	
Criteria Potential impacts	> Mobilisation of pollutants (such as hydrocarbo > Inappropriate disposal of drilling wastes / ove > Use of pesticides, herbicides, fertilisers or oth environment, including in soils and water. > Increased waste in landfill from disposal of co > Comply with title conditions and relevant code Rehabilitation). > Wastes (including any drilling by-products) to	ons) in soils, air or w rflow from drilling s er chemicals have th ntaminated drilling e of practice (Environ be collected, segreg	numps.  The potential to build up residues in the wastes  The management and graded and disposed of lawfully.	
Criteria Potential impacts	> Mobilisation of pollutants (such as hydrocarbo > Inappropriate disposal of drilling wastes / ove > Use of pesticides, herbicides, fertilisers or oth environment, including in soils and water. > Increased waste in landfill from disposal of co > Comply with title conditions and relevant code Rehabilitation). > Wastes (including any drilling by-products) to > All chemical and hydrocarbons will be transpo	ons) in soils, air or w rflow from drilling s er chemicals have th ntaminated drilling e of practice (Environ be collected, segreg	numps.  The potential to build up residues in the wastes  The management and graded and disposed of lawfully.	
Criteria Potential impacts	Nobilisation of pollutants (such as hydrocarboth) Inappropriate disposal of drilling wastes / ove Use of pesticides, herbicides, fertilisers or oth environment, including in soils and water. Increased waste in landfill from disposal of co Comply with title conditions and relevant code Rehabilitation). Wastes (including any drilling by-products) to All chemical and hydrocarbons will be transposand on bunded pallets where required.	ons) in soils, air or w rflow from drilling s er chemicals have to ntaminated drilling e of practice (Environ be collected, segregated and stored in t	numps.  The potential to build up residues in the wastes  The management and gated and disposed of lawfully.  The appropriate containers and vessels,	
Criteria Potential impacts	> Mobilisation of pollutants (such as hydrocarboth) > Inappropriate disposal of drilling wastes / ove > Use of pesticides, herbicides, fertilisers or oth environment, including in soils and water. > Increased waste in landfill from disposal of co > Comply with title conditions and relevant code Rehabilitation). > Wastes (including any drilling by-products) to > All chemical and hydrocarbons will be transposand on bunded pallets where required. > Chemicals used will be non-toxic, biodegradate.	ons) in soils, air or w rflow from drilling s er chemicals have to ntaminated drilling e of practice (Environ be collected, segregated and stored in to ole alternatives unle	numps.  The potential to build up residues in the wastes  The potential Management and gated and disposed of lawfully. The appropriate containers and vessels, sess no substitution is possible.	
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Criteria Potential impacts	> Mobilisation of pollutants (such as hydrocarboth) > Inappropriate disposal of drilling wastes / ove > Use of pesticides, herbicides, fertilisers or oth environment, including in soils and water. > Increased waste in landfill from disposal of co > Comply with title conditions and relevant code Rehabilitation). > Wastes (including any drilling by-products) to > All chemical and hydrocarbons will be transposand on bunded pallets where required. > Chemicals used will be non-toxic, biodegradate.	ons) in soils, air or w rflow from drilling s er chemicals have the ntaminated drilling e of practice (Environ be collected, segregated and stored in the ole alternatives unled the drill site and a	numps.  The potential to build up residues in the wastes  The potential Management and gated and disposed of lawfully. The appropriate containers and vessels, sess no substitution is possible.	
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Proposed management controls  Puration Application ranking What is the confidence in predicting	> Mobilisation of pollutants (such as hydrocarbothic superior of the pesticides, herbicides, fertilisers or othe environment, including in soils and water. > Increased waste in landfill from disposal of comply with title conditions and relevant code (Rehabilitation). > Wastes (including any drilling by-products) to and on bunded pallets where required. > Chemicals used will be non-toxic, biodegradated on bunded pallets where required. > Chemicals used will be non-toxic, biodegradated on a centralised DMS via their personal complete on a centralised pallets, fertilisers or other of the pesticides, herbicides, fertilisers or other of the pesticides on a centralised pallets, fertilisers or other of the pesticides, herbicides, fertilisers or other of the pesticides on a practicable of the pesticides of the pesticid	ons) in soils, air or w rflow from drilling s er chemicals have the ntaminated drilling e of practice (Environal be collected, segregated and stored in the sole alternatives unled the drill site and a levices. icals to reduce risk the er chemicals will confirmed for managing ports.	wastes commental Management and gated and disposed of lawfully. the appropriate containers and vessels, ll personnel have access to electronic to environment. mply with legislative requirements i activity.	
Potential impacts  Proposed management controls  Duration  Application ranking	> Mobilisation of pollutants (such as hydrocarbo) > Inappropriate disposal of drilling wastes / ove > Use of pesticides, herbicides, fertilisers or oth environment, including in soils and water. > Increased waste in landfill from disposal of co > Comply with title conditions and relevant code Rehabilitation). > Wastes (including any drilling by-products) to > All chemical and hydrocarbons will be transposand on bunded pallets where required. > Chemicals used will be non-toxic, biodegradate > SDS sheets for all chemicals will be available a copies on a centralised DMS via their personal of > Controls on sumps and management of chemi > Use of pesticides, herbicides, fertilisers or oth > Rehabilitation to occur as soon as practicable > Haverford will implement all relevant procedumanaging complaints. 5 Low Adverse	ons) in soils, air or with reflow from drilling ser chemicals have the content of	wastes commental Management and gated and disposed of lawfully. the appropriate containers and vessels, ess no substitution is possible. Il personnel have access to electronic to environment. mply with legislative requirements activity. otential waste/emission impacts or	
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Potential impacts  Proposed management controls  Duration Application ranking What is the confidence in predicting impacts?  How resilient is the environment to	> Mobilisation of pollutants (such as hydrocarbothic suppropriate disposal of drilling wastes / ove yuse of pesticides, herbicides, fertilisers or othe environment, including in soils and water. > Increased waste in landfill from disposal of co young with title conditions and relevant code Rehabilitation). > Wastes (including any drilling by-products) to year and on bunded pallets where required. > Chemicals used will be non-toxic, biodegradatedes years for all chemicals will be available a copies on a centralised DMS via their personal controls on sumps and management of chemical years or other years of the relevant procedure anaging complaints.  Supproved the procedure of the	ons) in soils, air or worflow from drilling ser chemicals have the collected, segregated and stored in the selection of the ser chemicals will confer completion of ser completion of ser completion of ser chemicals will confer studies required on impacts or mitigation?  What is the level of public concern?  Ranking of	wastes commental Management and gated and disposed of lawfully. the appropriate containers and vessels, ess no substitution is possible. Il personnel have access to electronic to environment. mply with legislative requirements activity. otential waste/emission impacts or	
Potential impacts  Proposed management controls  Duration Application ranking What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?	> Mobilisation of pollutants (such as hydrocarbothic suppropriate disposal of drilling wastes / ove yuse of pesticides, herbicides, fertilisers or othe environment, including in soils and water. > Increased waste in landfill from disposal of co young with title conditions and relevant code Rehabilitation). > Wastes (including any drilling by-products) to year and on bunded pallets where required. > Chemicals used will be non-toxic, biodegradatedes years for all chemicals will be available a copies on a centralised DMS via their personal controls on sumps and management of chemical years or other years of the relevant procedure anaging complaints.  Supproved the procedure of the	ons) in soils, air or w rflow from drilling s er chemicals have to ntaminated drilling e of practice (Environ be collected, segregated and stored in to ole alternatives unle t the drill site and a levices. icals to reduce risk to er chemicals will co after completion of irres for managing po  Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	wastes commental Management and gated and disposed of lawfully. the appropriate containers and vessels, ess no substitution is possible. Il personnel have access to electronic to environment. mply with legislative requirements activity. otential waste/emission impacts or	
Potential impacts  Proposed management controls  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?	> Mobilisation of pollutants (such as hydrocarbothic suppropriate disposal of drilling wastes / ove yuse of pesticides, herbicides, fertilisers or othen environment, including in soils and water. > Increased waste in landfill from disposal of co young with title conditions and relevant code Rehabilitation). > Wastes (including any drilling by-products) to year year year year year year year year	ons) in soils, air or w rflow from drilling s er chemicals have to ntaminated drilling e of practice (Environ be collected, segregated and stored in to ole alternatives unle t the drill site and a levices. Icals to reduce risk to er chemicals will co after completion of ures for managing po  Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	sumps. he potential to build up residues in the wastes mmental Management and gated and disposed of lawfully. the appropriate containers and vessels, as no substitution is possible. Il personnel have access to electronic to environment. Imply with legislative requirements activity. otential waste/emission impacts or	
Potential impacts  Proposed management controls  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?	> Mobilisation of pollutants (such as hydrocarbothic suppropriate disposal of drilling wastes / ove yuse of pesticides, herbicides, fertilisers or othen environment, including in soils and water. > Increased waste in landfill from disposal of co young with title conditions and relevant code (Rehabilitation). > Wastes (including any drilling by-products) to year year year year year year year year	ons) in soils, air or w rflow from drilling s er chemicals have to ntaminated drilling e of practice (Environ be collected, segregated and stored in to ole alternatives unle t the drill site and a levices. icals to reduce risk to er chemicals will co after completion of irres for managing po  Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	sumps. he potential to build up residues in the wastes mmental Management and gated and disposed of lawfully. the appropriate containers and vessels, as no substitution is possible. Il personnel have access to electronic to environment. Imply with legislative requirements activity. otential waste/emission impacts or	
Proposed management controls  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	> Mobilisation of pollutants (such as hydrocarbothic suppropriate disposal of drilling wastes / ove yuse of pesticides, herbicides, fertilisers or othen environment, including in soils and water. > Increased waste in landfill from disposal of co young with title conditions and relevant code Rehabilitation). > Wastes (including any drilling by-products) to year year year year year year year year	ons) in soils, air or w rflow from drilling s er chemicals have to ntaminated drilling e of practice (Environ be collected, segregated and stored in to ole alternatives unle t the drill site and a levices. Icals to reduce risk to er chemicals will co after completion of ures for managing po  Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	sumps. he potential to build up residues in the wastes mmental Management and gated and disposed of lawfully. the appropriate containers and vessels, as no substitution is possible. Il personnel have access to electronic to environment. Imply with legislative requirements activity. otential waste/emission impacts or	
Criteria  Potential impacts  Proposed management controls  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?	> Mobilisation of pollutants (such as hydrocarbothic suppropriate disposal of drilling wastes / ove yuse of pesticides, herbicides, fertilisers or oth environment, including in soils and water. > Increased waste in landfill from disposal of co year comply with title conditions and relevant code (Rehabilitation). > Wastes (including any drilling by-products) to year year year year year year year year	ons) in soils, air or wriflow from drilling ser chemicals have the collected, segregated and stored in the drill site and a levices.  I cals to reduce risk the chemicals will confer completion of sers for managing process.  Are further studies required on impacts or mitigation?  What is the level of public concern?  Ranking of potential significance  Justification for results.	sumps. he potential to build up residues in the wastes mmental Management and gated and disposed of lawfully. the appropriate containers and vessels, less no substitution is possible. Il personnel have access to electronic to environment. In mply with legislative requirements activity. In otential waste/emission impacts or  No  Low  Low  Low  anking	
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	> Mobilisation of pollutants (such as hydrocarbothic suppropriate disposal of drilling wastes / ove yuse of pesticides, herbicides, fertilisers or othen environment, including in soils and water. > Increased waste in landfill from disposal of co young with title conditions and relevant code (Rehabilitation). > Wastes (including any drilling by-products) to year year year year year year year year	ons) in soils, air or wriflow from drilling ser chemicals have the collected, segregated and stored in the drill site and a levices.  I cals to reduce risk the chemicals will confer completion of sers for managing process.  Are further studies required on impacts or mitigation?  What is the level of public concern?  Ranking of potential significance  Justification for results.	sumps. he potential to build up residues in the wastes mmental Management and gated and disposed of lawfully. the appropriate containers and vessels, less no substitution is possible. Il personnel have access to electronic to environment. In mply with legislative requirements activity. In otential waste/emission impacts or  No  Low  Low  Low  anking	

Potential impacts	The activity area is not known to be located in any of the following: drinking water catchments, wetlands, natural waterbodies, riparian zones or flood prone areas, groundwater recharge areas or areas with high water table, coastlines or dunes, alpine areas, karst features or other unique landforms, erosion prone areas or areas with slopes greater than 18°, subsidence or slip areas, areas with acid sulfate, sodic or highly permeable soils, areas with salinity or potential salinity problems, areas with degraded or contaminated land, and areas with degraded or contaminated water (ground or surface).				
Proposed management controls	Therefore, impacts to the above areas is not considered likely.  > Comply with title conditions and relevant code of practice (Environmental Management and Rehabilitation).  > Wastes (including any drilling by-products) to be collected, segregated and disposed of lawfully.  > All chemical and hydrocarbons will be transported and stored in the appropriate containers and vesse and on bunded pallets where required.  > Chemicals used will be non-toxic, biodegradable alternatives unless no substitution is possible.  > SDS sheets for all chemicals will be available at the drill site and all personnel have access to electron copies on a centralised DMS via their personal devices.  > Controls on sumps and management of chemicals to reduce risk to environment.  > Use of pesticides, herbicides, fertilisers or other chemicals will comply with legislative requirements  > Rehabilitation to occur as soon as practicable after completion of activity.  > Haverford will implement all relevant procedures for managing potential waste/emission impacts or managing complaints.				
Duration	5				
Application ranking	Low Adverse				
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No		
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?	Low		
Can the impacts be reversed?	Yes	Ranking of potential significance	Low		
Can the impacts be mitigated?	Fully	Justification for r	anking		
Do the operations comply with	Yes				
standards, plans, policies? Criteria	Wastes & Emissions: Impacts on groundwater r	ochargo aroas or ar	oas with high water table		
Potential impacts	·				
	The activity area is not known to be located in any of the following: drinking water catchments, wetlands, natural waterbodies, riparian zones or flood prone areas, groundwater recharge areas or areas with high water table, coastlines or dunes, alpine areas, karst features or other unique landforms, erosion prone are or areas with slopes greater than 18°, subsidence or slip areas, areas with acid sulfate, sodic or highly permeable soils, areas with salinity or potential salinity problems, areas with degraded or contaminated land, and areas with degraded or contaminated water (ground or surface).				
Proposed management controls	Therefore, impacts to the above areas is not constructed by Comply with title conditions and relevant codes.		onmental Management and		
	Rehabilitation).  > Wastes (including any drilling by-products) to be collected, segregated and disposed of lawfully.  > All chemical and hydrocarbons will be transported and stored in the appropriate containers and vessels, and on bunded pallets where required.  > Chemicals used will be non-toxic, biodegradable alternatives unless no substitution is possible.  > SDS sheets for all chemicals will be available at the drill site and all personnel have access to electronic copies on a centralised DMS via their personal devices.  > Controls on sumps and management of chemicals to reduce risk to environment.				
	> Use of pesticides, herbicides, fertilisers or other chemicals will comply with legislative requirements > Rehabilitation to occur as soon as practicable after completion of activity. > Haverford will implement all relevant procedures for managing potential waste/emission impacts or managing complaints.				
Duration	5				
Application ranking	Low Adverse	A vo fourth ou	No		
What is the confidence in predicting impacts?	High	Are further studies required on impacts or	No		
How resilient is the environment to	High Resilience	mitigation?       High Resilience     What is the level of public			

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	Wastes and Emissions: Impacts on coastlines or	dunes, alpine areas	s, karst features or other unique
	landforms.	, '	,
Potential impacts	N/A		
Proposed management controls	N/A		
Duration	N/A		
Application ranking	N/A		
What is the confidence in predicting	N/A	Are further	N/A
impacts?	N/A	studies	
mpacts.		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	N/A	What is the	Low
cope with impacts?		level of public	LOW
cope with impacts:		concern?	
Can the impacts be reversed?	N/A	Ranking of	N/A
can the impacts be reversed:	IN/A	potential	IV/A
		significance	
Courthy invests he without do	N1/A		
Can the impacts be mitigated?	N/A	Justification for r	alikilig
Do the operations comply with	N/A		
standards, plans, policies?	M/		
Criteria	Wastes & Emissions: Impacts on erosion prone	areas, areas with sig	opes of greater than 18 degrees.
Potential impacts	N/A		
Proposed management controls	N/A		
Duration	N/A		
Application ranking	N/A		
What is the confidence in predicting	N/A	Are further	N/A
impacts?		studies	
•		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	N/A	What is the	Low
cope with impacts?		level of public	2511
ооро		concern?	
Can the impacts be reversed?	N/A	Ranking of	N/A
can the impacts be reversed.		potential	1477
		significance	
Can the impacts be mitigated?	N/A	Justification for r	 
	N/A	Justification for f	alikilig
Do the operations comply with	N/A		
standards, plans, policies?			
Criteria	Mactoc 9. Emissions, Impacts an embaider	clin areas	
	Wastes & Emissions: Impacts on subsidence or		
Potential impacts	The activity area is not known to be located in	any of the following	_
Potential impacts	The activity area is not known to be located in natural waterbodies, riparian zones or flood pro	any of the following one areas, groundw	ater recharge areas or areas with high
Potential impacts	The activity area is not known to be located in natural waterbodies, riparian zones or flood prowater table, coastlines or dunes, alpine areas, k	any of the following one areas, groundw carst features or oth	ater recharge areas or areas with high er unique landforms, erosion prone areas
Potential impacts	The activity area is not known to be located in natural waterbodies, riparian zones or flood prowater table, coastlines or dunes, alpine areas, k or areas with slopes greater than 18°, subsident	any of the following one areas, groundw carst features or oth ce or slip areas, area	ater recharge areas or areas with high er unique landforms, erosion prone areas as with acid sulfate, sodic or highly
Potential impacts	The activity area is not known to be located in natural waterbodies, riparian zones or flood prowater table, coastlines or dunes, alpine areas, k or areas with slopes greater than 18°, subsident permeable soils, areas with salinity or potential	any of the following one areas, groundw carst features or oth ce or slip areas, area salinity problems, a	ater recharge areas or areas with high er unique landforms, erosion prone areas as with acid sulfate, sodic or highly areas with degraded or contaminated
Potential impacts	The activity area is not known to be located in natural waterbodies, riparian zones or flood prowater table, coastlines or dunes, alpine areas, k or areas with slopes greater than 18°, subsident	any of the following one areas, groundw carst features or oth ce or slip areas, area salinity problems, a	ater recharge areas or areas with high er unique landforms, erosion prone areas as with acid sulfate, sodic or highly areas with degraded or contaminated
Potential impacts	The activity area is not known to be located in natural waterbodies, riparian zones or flood prowater table, coastlines or dunes, alpine areas, k or areas with slopes greater than 18°, subsident permeable soils, areas with salinity or potential land, and areas with degraded or contaminated	any of the following one areas, groundw karst features or oth ce or slip areas, area salinity problems, a d water (ground or s	ater recharge areas or areas with high er unique landforms, erosion prone areas as with acid sulfate, sodic or highly areas with degraded or contaminated
·	The activity area is not known to be located in natural waterbodies, riparian zones or flood prowater table, coastlines or dunes, alpine areas, k or areas with slopes greater than 18°, subsident permeable soils, areas with salinity or potential land, and areas with degraded or contaminated.  Therefore, impacts to the above areas is not co	any of the following one areas, groundw karst features or oth ce or slip areas, area salinity problems, a d water (ground or s nsidered likely.	ater recharge areas or areas with high er unique landforms, erosion prone areas as with acid sulfate, sodic or highly areas with degraded or contaminated urface).
Proposed management controls	The activity area is not known to be located in natural waterbodies, riparian zones or flood prowater table, coastlines or dunes, alpine areas, k or areas with slopes greater than 18°, subsident permeable soils, areas with salinity or potential land, and areas with degraded or contaminated.  Therefore, impacts to the above areas is not co > Comply with title conditions and relevant cod	any of the following one areas, groundw karst features or oth ce or slip areas, area salinity problems, a d water (ground or s nsidered likely.	ater recharge areas or areas with high er unique landforms, erosion prone areas as with acid sulfate, sodic or highly areas with degraded or contaminated urface).
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·	The activity area is not known to be located in natural waterbodies, riparian zones or flood prowater table, coastlines or dunes, alpine areas, k or areas with slopes greater than 18°, subsident permeable soils, areas with salinity or potential land, and areas with degraded or contaminated.  Therefore, impacts to the above areas is not co > Comply with title conditions and relevant cod Rehabilitation).  > Wastes (including any drilling by-products) to	any of the following one areas, groundw sarst features or oth ce or slip areas, area salinity problems, at water (ground or sometimes) and the salinity problems, at water (ground or sometimes) are of practice (Environment).	ater recharge areas or areas with high er unique landforms, erosion prone areas as with acid sulfate, sodic or highly areas with degraded or contaminated urface).  Commental Management and gated and disposed of lawfully.
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Proposed management controls	The activity area is not known to be located in natural waterbodies, riparian zones or flood prowater table, coastlines or dunes, alpine areas, kor areas with slopes greater than 18°, subsident permeable soils, areas with salinity or potential land, and areas with degraded or contaminated.  Therefore, impacts to the above areas is not coemply with title conditions and relevant cod Rehabilitation).  Wastes (including any drilling by-products) to All chemical and hydrocarbons will be transpound on bunded pallets where required.  Chemicals used will be non-toxic, biodegradal sons sons a centralised DMS via their personal copies on a centralised DMS via their personal copies on sumps and management of chem use of pesticides, herbicides, fertilisers or oth Rehabilitation to occur as soon as practicable Haverford will implement all relevant procedumanaging complaints.	any of the following one areas, groundw carst features or oth ce or slip areas, area salinity problems, at water (ground or smidered likely. The of practice (Environmental and stored in the drill site and a devices. Licals to reduce risk the completion of after completion of	atter recharge areas or areas with high er unique landforms, erosion prone areas as with acid sulfate, sodic or highly areas with degraded or contaminated urface).  In mental Management and gated and disposed of lawfully. The appropriate containers and vessels, are so substitution is possible. Il personnel have access to electronic to environment. Imply with legislative requirements activity.
·	The activity area is not known to be located in natural waterbodies, riparian zones or flood prowater table, coastlines or dunes, alpine areas, kor areas with slopes greater than 18°, subsident permeable soils, areas with salinity or potential land, and areas with degraded or contaminated.  Therefore, impacts to the above areas is not coemply with title conditions and relevant cod Rehabilitation).  Wastes (including any drilling by-products) toe All chemical and hydrocarbons will be transpound on bunded pallets where required.  Chemicals used will be non-toxic, biodegradal sone sone a centralised DMS via their personal composes on a centralised DMS via their personal composes on sumps and management of chem so Use of pesticides, herbicides, fertilisers or othe Rehabilitation to occur as soon as practicable shaverford will implement all relevant procedures.	any of the following one areas, groundw carst features or oth ce or slip areas, area salinity problems, at water (ground or smidered likely. The of practice (Environmental and stored in the drill site and a devices. Licals to reduce risk the completion of after completion of	atter recharge areas or areas with high er unique landforms, erosion prone areas as with acid sulfate, sodic or highly areas with degraded or contaminated urface).  In mental Management and gated and disposed of lawfully. The appropriate containers and vessels, are so substitution is possible. Il personnel have access to electronic to environment. Imply with legislative requirements activity.

What is the confidence in predicting	High	Are further	No		
impacts?		studies			
		required on			
		impacts or			
		mitigation?			
How resilient is the environment to	High Resilience	What is the	Low		
cope with impacts?		level of public			
		concern?			
Can the impacts be reversed?	Yes	Ranking of	Low		
Can the impacts so received.		potential	2011		
		significance			
Can the impacts he mitigated?	Fully	Justification for ra	l anking		
Can the impacts be mitigated?	,	Justification for the	anking		
Do the operations comply with	Yes				
standards, plans, policies? Criteria	Wastes & Emissions: Impacts on areas with acid	   sulphate sodic or	highly narmaahla soils		
	•				
Potential impacts	Activities are to be conducted on Land and Soil		9		
	limitations for high impact land uses such as cro				
	of low capability and has very high limitations for	or high impact land	uses.		
	There is no Strategic Agricultural Land or know	n acid sulfate soils ir	the area of proposed activities.		
	Soils in the area of proposed activities are gene	rally of low to mode	erate fertility.		
	Various soil categories lie within the proposed a	area of activities, inc	cluding Chromosols and Rudosols on the		
	Australian Soil Classification (ASC), and Non-Cal	cic Brown Soils and	Lithosols on the Great Soil Group map.		
Proposed management controls	All waste material will be contained in appropri	ate waste container	s during the activity. All waste will be		
	disposed of at the nearest appropriately license				
			•		
	RC drill samples (if RC drilling occurs) will be sto	ored temporarily at	each pad in biodegradable bags. Material		
	meeting the criteria of VENM will be returned to the drillhole or used in rehabilitation where appropriate.				
	Any culfidic cample materials will be removed of	Any sulfidic sample materials will be removed off site to an appropriate licenced disposal facility. DD core will			
	be removed from site for cutting and sampling	. On completion of t	he drill program the samples will be		
	be removed from site for cutting and sampling stored and managed off-site by Haverford. Prio	. On completion of t	he drill program the samples will be		
	be removed from site for cutting and sampling	. On completion of t	he drill program the samples will be		
	be removed from site for cutting and sampling stored and managed off-site by Haverford. Prio Department of Regional NSW for preservation.	. On completion of t r to disposal, drill co	the drill program the samples will be ores will be ores will be offered to the Secretary of the		
	be removed from site for cutting and sampling stored and managed off-site by Haverford. Prio Department of Regional NSW for preservation. Any topsoil which is removed as part of the clea	. On completion of t r to disposal, drill co	the drill program the samples will be ores will be ores will be offered to the Secretary of the		
	be removed from site for cutting and sampling stored and managed off-site by Haverford. Prio Department of Regional NSW for preservation.	. On completion of t r to disposal, drill co	the drill program the samples will be ores will be ores will be offered to the Secretary of the		
	be removed from site for cutting and sampling stored and managed off-site by Haverford. Prio Department of Regional NSW for preservation. Any topsoil which is removed as part of the clear process.	On completion of treatment of the control of the co	the drill program the samples will be ores will be offered to the Secretary of the stockpiled for re-use in the rehabilitation		
	be removed from site for cutting and sampling stored and managed off-site by Haverford. Prio Department of Regional NSW for preservation. Any topsoil which is removed as part of the clea process. No radioactive, hazardous or restricted wastes	On completion of treatment of the control of the co	the drill program the samples will be ores will be offered to the Secretary of the stockpiled for re-use in the rehabilitation		
Duration	be removed from site for cutting and sampling stored and managed off-site by Haverford. Prio Department of Regional NSW for preservation. Any topsoil which is removed as part of the clear process.	On completion of treatment of the control of the co	the drill program the samples will be ores will be offered to the Secretary of the stockpiled for re-use in the rehabilitation		
Duration Application ranking	be removed from site for cutting and sampling stored and managed off-site by Haverford. Prio Department of Regional NSW for preservation. Any topsoil which is removed as part of the clea process. No radioactive, hazardous or restricted wastes	On completion of treatment of the control of the co	the drill program the samples will be ores will be offered to the Secretary of the stockpiled for re-use in the rehabilitation		
	be removed from site for cutting and sampling stored and managed off-site by Haverford. Prio Department of Regional NSW for preservation. Any topsoil which is removed as part of the clea process. No radioactive, hazardous or restricted wastes	On completion of treatment of the control of the co	the drill program the samples will be ores will be offered to the Secretary of the stockpiled for re-use in the rehabilitation		
Application ranking	be removed from site for cutting and sampling stored and managed off-site by Haverford. Prio Department of Regional NSW for preservation.  Any topsoil which is removed as part of the clear process.  No radioactive, hazardous or restricted wastes 5	On completion of treatment of the control of the co	the drill program the samples will be ores will be offered to the Secretary of the stockpiled for re-use in the rehabilitation in the exploration program.		
Application ranking What is the confidence in predicting	be removed from site for cutting and sampling stored and managed off-site by Haverford. Prio Department of Regional NSW for preservation.  Any topsoil which is removed as part of the clear process.  No radioactive, hazardous or restricted wastes 5	On completion of treatment of the control of the co	the drill program the samples will be ores will be offered to the Secretary of the stockpiled for re-use in the rehabilitation in the exploration program.		
Application ranking What is the confidence in predicting	be removed from site for cutting and sampling stored and managed off-site by Haverford. Prio Department of Regional NSW for preservation.  Any topsoil which is removed as part of the clear process.  No radioactive, hazardous or restricted wastes 5	On completion of treated from the further studies required on	the drill program the samples will be ores will be offered to the Secretary of the stockpiled for re-use in the rehabilitation in the exploration program.		
Application ranking What is the confidence in predicting	be removed from site for cutting and sampling stored and managed off-site by Haverford. Prio Department of Regional NSW for preservation.  Any topsoil which is removed as part of the clear process.  No radioactive, hazardous or restricted wastes 5	Are further studies required on impacts or	the drill program the samples will be ores will be offered to the Secretary of the stockpiled for re-use in the rehabilitation in the exploration program.		
Application ranking  What is the confidence in predicting impacts?	be removed from site for cutting and sampling stored and managed off-site by Haverford. Prio Department of Regional NSW for preservation.  Any topsoil which is removed as part of the clear process.  No radioactive, hazardous or restricted wastes 5  High	On completion of treatment of the disposal, drill control of the disposal, drill control of the disposal, drill control of the disposal of the	the drill program the samples will be ores will be offered to the Secretary of the stockpiled for re-use in the rehabilitation in the exploration program.		
Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to	be removed from site for cutting and sampling stored and managed off-site by Haverford. Prio Department of Regional NSW for preservation.  Any topsoil which is removed as part of the clear process.  No radioactive, hazardous or restricted wastes 5	Are further studies required on impacts or mitigation? What is the	the drill program the samples will be ores will be offered to the Secretary of the stockpiled for re-use in the rehabilitation in the exploration program.		
Application ranking  What is the confidence in predicting impacts?	be removed from site for cutting and sampling stored and managed off-site by Haverford. Prio Department of Regional NSW for preservation.  Any topsoil which is removed as part of the clear process.  No radioactive, hazardous or restricted wastes 5  High	Are further studies required on impacts or mitigation? What is the level of public	the drill program the samples will be ores will be offered to the Secretary of the stockpiled for re-use in the rehabilitation in the exploration program.		
Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?	be removed from site for cutting and sampling stored and managed off-site by Haverford. Prio Department of Regional NSW for preservation.  Any topsoil which is removed as part of the clear process.  No radioactive, hazardous or restricted wastes 5  High  High Resilience	Are further studies required on impacts or mitigation? What is the level of public concern?	the drill program the samples will be ores will be offered to the Secretary of the stockpiled for re-use in the rehabilitation in the exploration program.  No		
Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to	be removed from site for cutting and sampling stored and managed off-site by Haverford. Prio Department of Regional NSW for preservation.  Any topsoil which is removed as part of the clear process.  No radioactive, hazardous or restricted wastes 5  High	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of	the drill program the samples will be ores will be offered to the Secretary of the stockpiled for re-use in the rehabilitation in the exploration program.		
Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?	be removed from site for cutting and sampling stored and managed off-site by Haverford. Prio Department of Regional NSW for preservation.  Any topsoil which is removed as part of the clear process.  No radioactive, hazardous or restricted wastes 5  High  High Resilience	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	the drill program the samples will be ores will be offered to the Secretary of the stockpiled for re-use in the rehabilitation in the exploration program.  No		
Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?  Can the impacts be reversed?	be removed from site for cutting and sampling stored and managed off-site by Haverford. Prio Department of Regional NSW for preservation.  Any topsoil which is removed as part of the clear process.  No radioactive, hazardous or restricted wastes 5  High  High Resilience	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	the drill program the samples will be ores will be offered to the Secretary of the stockpiled for re-use in the rehabilitation in the exploration program.  No  Low  Low		
Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?	be removed from site for cutting and sampling stored and managed off-site by Haverford. Prio Department of Regional NSW for preservation.  Any topsoil which is removed as part of the clear process.  No radioactive, hazardous or restricted wastes 5  High  High Resilience	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	the drill program the samples will be ores will be offered to the Secretary of the stockpiled for re-use in the rehabilitation in the exploration program.  No  Low  Low		
Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?  Can the impacts be reversed?	be removed from site for cutting and sampling stored and managed off-site by Haverford. Prio Department of Regional NSW for preservation.  Any topsoil which is removed as part of the clear process.  No radioactive, hazardous or restricted wastes 5  High  High Resilience	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	the drill program the samples will be ores will be offered to the Secretary of the stockpiled for re-use in the rehabilitation in the exploration program.  No  Low  Low		
Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?  Can the impacts be reversed?	be removed from site for cutting and sampling stored and managed off-site by Haverford. Prio Department of Regional NSW for preservation.  Any topsoil which is removed as part of the clear process.  No radioactive, hazardous or restricted wastes 5  High  High Resilience  Yes	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	the drill program the samples will be ores will be offered to the Secretary of the stockpiled for re-use in the rehabilitation in the exploration program.  No  Low  Low		
Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?  Can the impacts be reversed?  Can the impacts be mitigated?  Do the operations comply with	be removed from site for cutting and sampling stored and managed off-site by Haverford. Prio Department of Regional NSW for preservation.  Any topsoil which is removed as part of the clear process.  No radioactive, hazardous or restricted wastes 5  High  High Resilience  Yes	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	the drill program the samples will be bres will be offered to the Secretary of the stockpiled for re-use in the rehabilitation in the exploration program.  No  Low  Low  anking		
Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?  Can the impacts be reversed?  Can the impacts be mitigated?  Do the operations comply with standards, plans, policies?  Criteria	be removed from site for cutting and sampling stored and managed off-site by Haverford. Prio Department of Regional NSW for preservation.  Any topsoil which is removed as part of the clear process.  No radioactive, hazardous or restricted wastes 5  High  High Resilience  Yes  Fully Yes  Wastes & Emissions: Impacts on areas with sali	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for remaission of the studies of public concern?	the drill program the samples will be bres will be offered to the Secretary of the stockpiled for re-use in the rehabilitation in the exploration program.  No  Low  Low  anking  nity problems.		
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?	be removed from site for cutting and sampling stored and managed off-site by Haverford. Prio Department of Regional NSW for preservation.  Any topsoil which is removed as part of the clear process.  No radioactive, hazardous or restricted wastes 5  High  High Resilience  Yes  Fully Yes  Wastes & Emissions: Impacts on areas with sali The activity area is not known to be located in	Are further studies required on impacts or mitigation?  What is the level of public concern?  Ranking of potential significance  Justification for remains of the following any of the following	the drill program the samples will be bres will be offered to the Secretary of the stockpiled for re-use in the rehabilitation in the exploration program.  No  Low  Low  Low  anking  nity problems.  : drinking water catchments, wetlands,		
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	be removed from site for cutting and sampling stored and managed off-site by Haverford. Prio Department of Regional NSW for preservation.  Any topsoil which is removed as part of the clear process.  No radioactive, hazardous or restricted wastes 5  High  High Resilience  Yes  Fully Yes  Wastes & Emissions: Impacts on areas with sali The activity area is not known to be located in natural waterbodies, riparian zones or flood process.	Are further studies required on impacts or mitigation?  What is the level of public concern?  Ranking of potential significance  Justification for remarks or mitigation or potential significance.	the drill program the samples will be bres will be offered to the Secretary of the stockpiled for re-use in the rehabilitation in the exploration program.  No  Low  Low  anking  nity problems.  c drinking water catchments, wetlands, ater recharge areas or areas with high		
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	be removed from site for cutting and sampling stored and managed off-site by Haverford. Prio Department of Regional NSW for preservation.  Any topsoil which is removed as part of the clear process.  No radioactive, hazardous or restricted wastes 5  High  High Resilience  Yes  Fully Yes  Wastes & Emissions: Impacts on areas with sali The activity area is not known to be located in natural waterbodies, riparian zones or flood prowater table, coastlines or dunes, alpine areas, known to be some content of the coastlines or dunes, alpine areas, known to be located in natural waterbodies, riparian zones or flood prowater table, coastlines or dunes, alpine areas, known to be located in a content of the coastlines or dunes, alpine areas, known to be located in a coastlines or dunes, alpine areas, known to be located in a coastlines or dunes, alpine areas, known to be located in a coastlines or dunes, alpine areas, known to be located in a coastlines or dunes, alpine areas, known to be located in a coastlines or dunes, alpine areas, known to be located in a coastlines or dunes, alpine areas, known to be located in a coastlines or dunes, alpine areas, known to be located in a coastlines or dunes, alpine areas, known to be located in a coastlines or dunes, alpine areas, known to be located in a coastlines or dunes, alpine areas, known to be located in a coastlines or dunes, alpine areas, known to be located in a coastline or dunes, alpine areas, known to be located in a coastline or dunes.	Are further studies required on impacts or mitigation?  What is the level of public concern?  Ranking of potential significance  Justification for relative process, groundwarst features or other to the public concern?	the drill program the samples will be bres will be offered to the Secretary of the stockpiled for re-use in the rehabilitation in the exploration program.  No  Low  Low  Low  anking  nity problems.  It drinking water catchments, wetlands, after recharge areas or areas with high er unique landforms, erosion prone areas		
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	be removed from site for cutting and sampling stored and managed off-site by Haverford. Prio Department of Regional NSW for preservation.  Any topsoil which is removed as part of the clear process.  No radioactive, hazardous or restricted wastes 5  High  High Resilience  Yes  Fully  Yes  Wastes & Emissions: Impacts on areas with sali  The activity area is not known to be located in natural waterbodies, riparian zones or flood prowater table, coastlines or dunes, alpine areas, kor areas with slopes greater than 18°, subsidentifications.	Are further studies required on impacts or mitigation?  What is the level of public concern?  Ranking of potential significance  Justification for results or other concerns, groundwarst features or other or slip areas,	the drill program the samples will be ores will be offered to the Secretary of the stockpiled for re-use in the rehabilitation in the exploration program.  No  Low  Low  Low  anking  nity problems.  c drinking water catchments, wetlands, ater recharge areas or areas with high er unique landforms, erosion prone areas as with acid sulfate, sodic or highly		
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	be removed from site for cutting and sampling stored and managed off-site by Haverford. Prio Department of Regional NSW for preservation.  Any topsoil which is removed as part of the clear process.  No radioactive, hazardous or restricted wastes 5  High  High Resilience  Yes  Fully Yes  Wastes & Emissions: Impacts on areas with sali The activity area is not known to be located in natural waterbodies, riparian zones or flood prowater table, coastlines or dunes, alpine areas, known to be some content of the coastlines or dunes, alpine areas, known to be located in natural waterbodies, riparian zones or flood prowater table, coastlines or dunes, alpine areas, known to be located in a content of the coastlines or dunes, alpine areas, known to be located in a coastlines or dunes, alpine areas, known to be located in a coastlines or dunes, alpine areas, known to be located in a coastlines or dunes, alpine areas, known to be located in a coastlines or dunes, alpine areas, known to be located in a coastlines or dunes, alpine areas, known to be located in a coastlines or dunes, alpine areas, known to be located in a coastlines or dunes, alpine areas, known to be located in a coastlines or dunes, alpine areas, known to be located in a coastlines or dunes, alpine areas, known to be located in a coastlines or dunes, alpine areas, known to be located in a coastlines or dunes, alpine areas, known to be located in a coastline or dunes, alpine areas, known to be located in a coastline or dunes.	Are further studies required on impacts or mitigation?  What is the level of public concern?  Ranking of potential significance  Justification for results or other concerns, groundwarst features or other or slip areas,	the drill program the samples will be ores will be offered to the Secretary of the stockpiled for re-use in the rehabilitation in the exploration program.  No  Low  Low  Low  anking  nity problems.  c drinking water catchments, wetlands, ater recharge areas or areas with high er unique landforms, erosion prone areas as with acid sulfate, sodic or highly		
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	be removed from site for cutting and sampling stored and managed off-site by Haverford. Prio Department of Regional NSW for preservation.  Any topsoil which is removed as part of the clear process.  No radioactive, hazardous or restricted wastes 5  High  High Resilience  Yes  Fully  Yes  Wastes & Emissions: Impacts on areas with sali  The activity area is not known to be located in natural waterbodies, riparian zones or flood prowater table, coastlines or dunes, alpine areas, kor areas with slopes greater than 18°, subsidentifications.	Are further studies required on impacts or mitigation?  What is the level of public concern?  Ranking of potential significance  Justification for residual significance significance areas, groundwarst features or other or slip areas, area salinity problems, a s	the drill program the samples will be ores will be offered to the Secretary of the stockpiled for re-use in the rehabilitation in the exploration program.  No  Low  Low  Low  anking  nity problems.  It drinking water catchments, wetlands, ater recharge areas or areas with high er unique landforms, erosion prone areas as with acid sulfate, sodic or highly areas with degraded or contaminated		
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	be removed from site for cutting and sampling stored and managed off-site by Haverford. Prio Department of Regional NSW for preservation.  Any topsoil which is removed as part of the clear process.  No radioactive, hazardous or restricted wastes 5  High  High Resilience  Yes  Fully  Yes  Wastes & Emissions: Impacts on areas with sali  The activity area is not known to be located in natural waterbodies, riparian zones or flood prowater table, coastlines or dunes, alpine areas, kor areas with slopes greater than 18°, subsiden permeable soils, areas with salinity or potential	Are further studies required on impacts or mitigation?  What is the level of public concern?  Ranking of potential significance  Justification for residual significance significance areas, groundwarst features or other or slip areas, area salinity problems, a s	the drill program the samples will be ores will be offered to the Secretary of the stockpiled for re-use in the rehabilitation in the exploration program.  No  Low  Low  Low  anking  nity problems.  It drinking water catchments, wetlands, ater recharge areas or areas with high er unique landforms, erosion prone areas as with acid sulfate, sodic or highly areas with degraded or contaminated		

Proposed management controls					
	> Comply with title conditions and relevant code	e of practice (Enviro	nmental Management and		
	Rehabilitation).  > Wastes (including any drilling by-products) to be collected, segregated and disposed of lawfully.  > All chemical and hydrocarbons will be transported and stored in the appropriate containers and vesse				
	1	rted and stored in t	he appropriate containers and vessels,		
	and on bunded pallets where required.  Chamicals used will be non-toxic, biodegradable alternatives unless no substitution is possible.				
	> Chemicals used will be non-toxic, biodegradable alternatives unless no substitution is possible. > SDS sheets for all chemicals will be available at the drill site and all personnel have access to electronic				
	copies on a centralised DMS via their personal c > Controls on sumps and management of chemi		a anvironment		
	> Use of pesticides, herbicides, fertilisers or other chemicals will comply with legislative requirements > Rehabilitation to occur as soon as practicable after completion of activity.				
	> Haverford will implement all relevant procedu	•	· · · · · · · · · · · · · · · · · · ·		
	managing complaints.	ее тет теттер В р			
Duration	5				
Application ranking	Low Adverse				
What is the confidence in predicting	High	No			
impacts?		studies			
		required on			
		impacts or			
		mitigation?			
How resilient is the environment to	High Resilience	What is the	Low		
cope with impacts?		level of public			
		concern?			
Can the impacts be reversed?	Yes	Ranking of	Low		
		potential			
		significance			
Can the impacts be mitigated?	Fully	Justification for ra	anking		
Do the operations comply with	Yes				
standards, plans, policies?					
Criteria	Wastes & Emissions: Impacts on areas with deg				
Potential impacts	The activity area is not known to be located in a				
	natural waterbodies, riparian zones or flood pro	_			
	water table, coastlines or dunes, alpine areas, k		· · · · · · · · · · · · · · · · · · ·		
	or areas with slopes greater than 18°, subsidence	•			
	permeable soils, areas with salinity or potential		_		
	land, and areas with degraded or contaminated	water (ground or s	urface).		
	Therefore impacts to the above areas is not see	acidorod likoly			
	Therefore, impacts to the above areas is not considered likely.				
Dronocod management controls	-	> Comply with title conditions and relevant code of practice (Environmental Management and			
Proposed management controls	> Comply with title conditions and relevant code	•	nmental Management and		
Proposed management controls	> Comply with title conditions and relevant code Rehabilitation).	e of practice (Enviro	· ·		
Proposed management controls	> Comply with title conditions and relevant code Rehabilitation). > Wastes (including any drilling by-products) to	e of practice (Environment) be collected, segre	gated and disposed of lawfully.		
Proposed management controls	Comply with title conditions and relevant code Rehabilitation).      Wastes (including any drilling by-products) to All chemical and hydrocarbons will be transported.	e of practice (Environment) be collected, segre	gated and disposed of lawfully.		
Proposed management controls	Comply with title conditions and relevant code Rehabilitation).      Wastes (including any drilling by-products) to All chemical and hydrocarbons will be transpound on bunded pallets where required.	e of practice (Environment) be collected, segregated and stored in t	gated and disposed of lawfully. he appropriate containers and vessels,		
Proposed management controls	Comply with title conditions and relevant code Rehabilitation).      Wastes (including any drilling by-products) to All chemical and hydrocarbons will be transpound on bunded pallets where required.      Chemicals used will be non-toxic, biodegradate.	e of practice (Environ be collected, segreg rted and stored in t ble alternatives unle	gated and disposed of lawfully. he appropriate containers and vessels, ss no substitution is possible.		
Proposed management controls	Comply with title conditions and relevant code Rehabilitation).      Wastes (including any drilling by-products) to All chemical and hydrocarbons will be transpound on bunded pallets where required.	e of practice (Environment) be collected, segregated and stored in the ole alternatives unled the drill site and a	gated and disposed of lawfully. he appropriate containers and vessels, ss no substitution is possible.		
Proposed management controls	Comply with title conditions and relevant code Rehabilitation).      Wastes (including any drilling by-products) to All chemical and hydrocarbons will be transpound on bunded pallets where required.      Chemicals used will be non-toxic, biodegradate SDS sheets for all chemicals will be available a	e of practice (Environment) be collected, segregated and stored in the ole alternatives unled the drill site and a levices.	gated and disposed of lawfully. he appropriate containers and vessels, ss no substitution is possible. Il personnel have access to electronic		
Proposed management controls	Comply with title conditions and relevant code Rehabilitation).      Wastes (including any drilling by-products) to All chemical and hydrocarbons will be transpound on bunded pallets where required.      Chemicals used will be non-toxic, biodegradated SDS sheets for all chemicals will be available a copies on a centralised DMS via their personal complex.	e of practice (Environment) be collected, segregated and stored in the ole alternatives unled the drill site and a levices. icals to reduce risk to	gated and disposed of lawfully. he appropriate containers and vessels, ss no substitution is possible. Il personnel have access to electronic o environment.		
Proposed management controls	Comply with title conditions and relevant code Rehabilitation).      Wastes (including any drilling by-products) to All chemical and hydrocarbons will be transpound on bunded pallets where required.      Chemicals used will be non-toxic, biodegradate SDS sheets for all chemicals will be available a copies on a centralised DMS via their personal controls on sumps and management of chemicals of the sum of the su	e of practice (Environment) be collected, segregated and stored in the laternatives unled the drill site and a levices. It is a reduce risk the chemicals will co	gated and disposed of lawfully. he appropriate containers and vessels, ss no substitution is possible. Il personnel have access to electronic o environment. mply with legislative requirements		
Proposed management controls	Comply with title conditions and relevant code Rehabilitation).      Wastes (including any drilling by-products) to All chemical and hydrocarbons will be transpound on bunded pallets where required.      Chemicals used will be non-toxic, biodegradated SDS sheets for all chemicals will be available a copies on a centralised DMS via their personal controls on sumps and management of chemicals used pesticides, herbicides, fertilisers or oth	be collected, segregated and stored in the alternatives unled the drill site and a levices.  I cals to reduce risk the chemicals will confer completion of	gated and disposed of lawfully. he appropriate containers and vessels, ss no substitution is possible. Il personnel have access to electronic o environment. mply with legislative requirements activity.		
Proposed management controls	Comply with title conditions and relevant code Rehabilitation).      Wastes (including any drilling by-products) to All chemical and hydrocarbons will be transpound on bunded pallets where required.      Chemicals used will be non-toxic, biodegradated by SDS sheets for all chemicals will be available a copies on a centralised DMS via their personal compounds of chemicals of pesticides, herbicides, fertilisers or other Rehabilitation to occur as soon as practicable.	be collected, segregated and stored in the alternatives unled the drill site and a levices.  I cals to reduce risk the chemicals will confer completion of	gated and disposed of lawfully. he appropriate containers and vessels, ss no substitution is possible. Il personnel have access to electronic o environment. mply with legislative requirements activity.		
Proposed management controls  Duration	Comply with title conditions and relevant code Rehabilitation).      Wastes (including any drilling by-products) to All chemical and hydrocarbons will be transpound on bunded pallets where required.      Chemicals used will be non-toxic, biodegradated by SDS sheets for all chemicals will be available a copies on a centralised DMS via their personal compounds of the controls on sumps and management of chemicals used pesticides, herbicides, fertilisers or othe Rehabilitation to occur as soon as practicable Haverford will implement all relevant procedures.	be collected, segregated and stored in the alternatives unled the drill site and a levices.  I cals to reduce risk the chemicals will confer completion of	gated and disposed of lawfully. he appropriate containers and vessels, ss no substitution is possible. Il personnel have access to electronic o environment. mply with legislative requirements activity.		
·	Comply with title conditions and relevant code Rehabilitation).      Wastes (including any drilling by-products) to All chemical and hydrocarbons will be transpound on bunded pallets where required.      Chemicals used will be non-toxic, biodegradated by SDS sheets for all chemicals will be available a copies on a centralised DMS via their personal compounds of chemicals of controls on sumps and management of chemicals used pesticides, herbicides, fertilisers or other the Rehabilitation to occur as soon as practicable haverford will implement all relevant procedumanaging complaints.	be collected, segregated and stored in the alternatives unled the drill site and a levices.  I cals to reduce risk the chemicals will confer completion of	gated and disposed of lawfully. he appropriate containers and vessels, ss no substitution is possible. Il personnel have access to electronic o environment. mply with legislative requirements activity.		
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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?	> Comply with title conditions and relevant code Rehabilitation). > Wastes (including any drilling by-products) to   > All chemical and hydrocarbons will be transporant on bunded pallets where required. > Chemicals used will be non-toxic, biodegradated so should be available at copies on a centralised DMS via their personal copies on a centralised DMS via their personal copies on sumps and management of chemicals used by the solution of court as soon as practicable of pesticides, herbicides, fertilisers or othe send and	be collected, segregated and stored in the drill site and alevices. Icals to reduce risk the content of the drill site and alevices. Icals to reduce risk the chemicals will confere for managing power of the drill site and alevices.  Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	gated and disposed of lawfully. he appropriate containers and vessels, ss no substitution is possible. Il personnel have access to electronic o environment. mply with legislative requirements activity. otential waste/emission impacts or  No  Low  Low		
Duration Application ranking What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?  Can the impacts be reversed?	> Comply with title conditions and relevant code Rehabilitation). > Wastes (including any drilling by-products) to   > All chemical and hydrocarbons will be transporant on bunded pallets where required. > Chemicals used will be non-toxic, biodegradated sopies on a centralised DMS via their personal completes on sumps and management of chemicals used personal completes on sumps and management of chemicals will be available at copies on a centralised DMS via their personal completes on sumps and management of chemicals will be available at copies on sumps and management of chemicals will be available at copies on a centralised DMS via their personal completes on sumps and management of chemicals will be available at copies on a centralised DMS via their personal copies	be collected, segregated and stored in the collected of t	gated and disposed of lawfully. he appropriate containers and vessels, ss no substitution is possible. Il personnel have access to electronic o environment. mply with legislative requirements activity. otential waste/emission impacts or  No  Low  Low		
Duration Application ranking What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?  Can the impacts be reversed?  Can the operations comply with	> Comply with title conditions and relevant code Rehabilitation). > Wastes (including any drilling by-products) to   > All chemical and hydrocarbons will be transporant on bunded pallets where required. > Chemicals used will be non-toxic, biodegradated so should be available at copies on a centralised DMS via their personal copies on a centralised DMS via their personal copies on sumps and management of chemicals used by the solution of court as soon as practicable of pesticides, herbicides, fertilisers or othe send and	be collected, segregated and stored in the drill site and alevices. Icals to reduce risk the content of the drill site and alevices. Icals to reduce risk the chemicals will confere for managing power of the drill site and alevices.  Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	gated and disposed of lawfully. he appropriate containers and vessels, ss no substitution is possible. Il personnel have access to electronic o environment. mply with legislative requirements activity. otential waste/emission impacts or  No  Low  Low		
Duration Application ranking What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?  Can the impacts be reversed?	> Comply with title conditions and relevant code Rehabilitation). > Wastes (including any drilling by-products) to   > All chemical and hydrocarbons will be transporant on bunded pallets where required. > Chemicals used will be non-toxic, biodegradated sopies on a centralised DMS via their personal completes on sumps and management of chemicals used personal completes on sumps and management of chemicals will be available at copies on a centralised DMS via their personal completes on sumps and management of chemicals will be available at copies on sumps and management of chemicals will be available at copies on a centralised DMS via their personal completes on sumps and management of chemicals will be available at copies on a centralised DMS via their personal copies	be collected, segregated and stored in the drill site and alevices.  I cals to reduce risk the completion of the studies of managing process.  Are further studies required on impacts or mitigation?  What is the level of public concern?  Ranking of potential significance  Justification for residue of the concerding of the significance.	gated and disposed of lawfully. he appropriate containers and vessels, ss no substitution is possible. Il personnel have access to electronic o environment. mply with legislative requirements activity. otential waste/emission impacts or  No  Low  Low  Low		

Potential impacts	natural waterbodies, riparian zones or flood pro water table, coastlines or dunes, alpine areas, k or areas with slopes greater than 18°, subsident permeable soils, areas with salinity or potential land, and areas with degraded or contaminated	,		
	Therefore, impacts to the above areas is not considered likely.			
Proposed management controls	<ul> <li>Comply with title conditions and relevant code of practice (Environmental Management and Rehabilitation).</li> <li>Wastes (including any drilling by-products) to be collected, segregated and disposed of lawfully.</li> <li>All chemical and hydrocarbons will be transported and stored in the appropriate containers and vesse and on bunded pallets where required.</li> <li>Chemicals used will be non-toxic, biodegradable alternatives unless no substitution is possible.</li> <li>SDS sheets for all chemicals will be available at the drill site and all personnel have access to electronicopies on a centralised DMS via their personal devices.</li> <li>Controls on sumps and management of chemicals to reduce risk to environment.</li> <li>Use of pesticides, herbicides, fertilisers or other chemicals will comply with legislative requirements</li> <li>Rehabilitation to occur as soon as practicable after completion of activity.</li> <li>Haverford will implement all relevant procedures for managing potential waste/emission impacts or</li> </ul>			
Duration	managing complaints.			
Application ranking	Low Adverse			
What is the confidence in predicting	High	Are further	No	
impacts?	111611	studies	140	
impacts.		required on		
		impacts or		
		mitigation?		
How resilient is the environment to	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?				
standards, plans, policies? Criteria	Vegetation: Any clearing or modification of veg	 etation (including in	npacts on wildlife corridors, remnant	

#### **Potential impacts**

Extent of clearing: A total area of 3,600 m2 would be disturbed (surface disturbance and vegetation clearing) for the activity. Vegetation clearing would be limited to groundcover only. No trees or shrubs would be removed. Topsoil will be returned to the disturbed area to promote the establishment of local species in the soil seedbank. The clearing is localised and temporary.

Vegetation present: There is no mapped Terrestrial Biodiversity under the Lachlan Shire Local Environmental Plan 2013 in the activity area. There are no mapped Biodiversity Values in the activity area.

AREA Environmental were engaged to review photographs of the vegetation in the activity area for this APO. The following was concluded:

- 1. The activity area contains:
- > Mostly a heavily modified PCT105 Poplar Box grassy woodland on flats mainly in the Cobar Peneplain Bioregion and Murray Darling Depression Bioregion
- > Some areas of PCT184: Dwyer's Red Gum White Cypress Pine Currawang low shrub-grass woodland of the Cobar Peneplain Bioregion and PCT 104 Gum Coolabah woodland on sedimentary substrates mainly in the Cobar Peneplain Bioregion
- 2. These PCTs do not have associated TECs.
- 3. These PCTs have a suite of associations with threatened species.
- 4. These PCTs have been substantially modified by agricultural practices such as clearing and ploughing, the likelihood of threatened species being present and affected by the proposal are low.
- 5. A combination of desktop assessments and applying professional judgement, with substantial familiarity in the region, has shown vulnerable species, populations and communities are unlikely to be significantly affected by the proposal. In summary no further ecological assessment is considered necessary.
- 6. No exclusion areas are required.

In the event a collar location is proposed within a vegetation community not yet reviewed by AREA Environmental, they will be consulted to confirm the PCT, potential for threatened species, and whether the activity can proceed without causing significant adverse impact on threatened species, threatened populations, threatened ecological communities, or their habitats. AREA would not be consulted if the collar location is within the Cropping Area as vegetation will be cleared due to ploughing/cropping between March 2024 - November 2024. Drilling will only be undertaken in the Cropping Area if approved by the landholder.

BioNet records did not include any listed vulnerable or endangered threatened flora species in the activity area.

A MNES search with a 5km buffer identified:

- a) 9 migratory species or their habitat may occur, including one species (Fork-tailed Swift) and its habitat that is likely to occur
- b) 4 TEC that are Endangered or Critically Endangered that may or are likely to occur, including:
- Weeping Myall Woodlands Endangered
- Poplar Box Grassy Woodland on Alluvial Plains Endangered
- White Box-Yellow Box-Blakely's Red Gum Grassy Woodland and Derived Native Grassland Critically Endangered
- Grey Box (Eucalyptus microcarpa) Grassy Woodlands and Derived Native Grasslands of South-eastern Australia Endangered
- c) 31 Listed Threatened Species may or are likely to occur
- d) Activity area is within 400-800km of Ramsar Wetlands

### Potential impacts include:

- Vegetation removal may affect threatened species habitat/abundance.
- Areas cleared for exploration activities are temporarily not available for flora habitat.
- Mobilisation of pollutants (such as hydrocarbons) in soils, air or waters can potentially impact vegetation.
- Use of pesticides, herbicides, fertilisers or other chemicals have the potential to build up residues in the environment, that may affect vegetation.
- Soil erosion and sediment laden runoff from disturbed areas, that could lead to soil or water contamination or land degradation, that may affect vegetation.
- Spread of weeds, pest animals and animal/plant diseases may affect vegetation.

No significant adverse impact on any threatened species, threatened populations, threatened ecological communities, or their habitats is anticipated to occur as a result of the proposed activity where all management measures in the APO and this REF are implemented and rehabilitation is completed.

#### > Comply with title conditions and relevant code of practice (Environmental Management and **Proposed management controls** Rehabilitation). > Haverford will minimise the extent of vegetation clearing to as low as practicable. > No trees or shrubs would be removed. > Vegetation clearing would be limited to groundcover only. > In the event a collar location is proposed within a vegetation community not yet reviewed by AREA Environmental, they will be consulted to confirm the PCT, potential for threatened species, and whether the activity can proceed without causing significant adverse impact on threatened species, threatened populations, threatened ecological communities, or their habitats. AREA would not be consulted if the collar location is within the Cropping Area as vegetation will be cleared due to ploughing/cropping between March 2024 - November 2024. Drilling will only be undertaken in the Cropping Area if approved by the landholder. > Topsoil will be returned to the disturbed area to promote the establishment of local species in the soil seedbank. > All habitat resources will be salvaged prior to disturbance and returned to the area during rehabilitation. > Rehabilitation to occur as soon as practicable after completion of activity. > Haverford will implement all relevant procedures for managing potential vegetation impacts or managing complaints. Duration 5 Application ranking Low Adverse What is the confidence in predicting High 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? Uncertain Ranking of Low potential significance Can the impacts be mitigated? Justification for ranking Partly Do the operations comply with standards, plans, policies? Criteria Threatened Fauna Species: Any adverse effect on the life cycle of any threatened species such that a viable local population of the species is likely to be placed at risk of extinction. **Potential impacts** BioNet records in the activity area are limited to species which are classed as Not Listed as Threatened. AREA Environmental have concluded that the native PCTs present are in low condition due to agricultural activities and the likelihood of threatened species being present and affected by the proposal are low. Therefore, clearing of the native PCTs present is not likely to result in a significant impact to threatened species, threatened populations, threatened ecological communities, or their habitat. Potential impacts: > Vegetation removal can decrease available habitat for species and displace species from regular place of residence. > Mobilisation of pollutants (such as hydrocarbons) in soils, air or waters can potentially impact fauna. > Drilling sumps can be a hazard for fauna. > Soil erosion and sediment laden runoff from disturbed areas, that could lead to soil or water contamination or land degradation, affecting species habitat. > Spread of weeds, pest animals and animal/plant diseases. > Fauna crossing access tracks may be killed or injured if hit by vehicles. > Surface disturbance may result in removal of/damage to seed stock. No significant adverse impact on any threatened species, threatened populations, threatened ecological communities, or their habitats is anticipated to occur as a result of the proposed activity where all management measures in the APO and this REF are implemented and rehabilitation is completed. **Proposed management controls** > Comply with title conditions and relevant code of practice (Environmental Management and > Minimise extent of vegetation clearing and surface disturbance to as low as practicable. > All sediment and erosion controls to be managed in accordance with Blue Book. > Prevent adverse impacts to fauna caused by vegetation clearing, including relocation of resident fauna. > No trees or shrubs would be removed. > No removal of vegetation in waterfront land. > Vegetation clearing would be limited to groundcover only. > Topsoil will be returned to the disturbed area to promote the establishment of local species in the soil seedbank. > All habitat resources will be salvaged prior to disturbance and returned to the area during rehabilitation. > Rehabilitation to occur as soon as practicable after completion of activity. > Haverford will implement all relevant procedures for managing potential fauna impacts or managing complaints. Duration

Application ranking	Low Adverse			
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	2011	
cope with impacts.		concern?		
Can the impacts be reversed?	Uncertain	Ranking of	Low	
can the impacts be reversed:	Officertain	potential	LOW	
		significance		
Can the impacts be mitigated?	Partly	Justification for ra	nking	
	Partly	Justilication for to	alikilig	
Do the operations comply with	Yes			
standards, plans, policies? Criteria	Threatened Flora Species: Any adverse effect or	the life syste of an	w threatened species such that a viable	
Citteria		· · · · · · · · · · · · · · · · · · ·		
Bata attatta anata	local population of the species is likely to be pla			
Potential impacts	BioNet records in the activity area are limited to	•		
	Environmental have concluded that the native i	•	9	
	and the likelihood of threatened species being			
	clearing of the native PCTs present is not likely	_		
	threatened populations, threatened ecological	communities, or the	eir habitat.	
	Potential impacts:			
	> Vegetation removal can decrease available ha	bitat for species an	d displace species from regular place of	
	residence.			
	> Mobilisation of pollutants (such as hydrocarbo	ons) in soils, air or w	aters can potentially impact fauna.	
	> Drilling sumps can be a hazard for fauna.			
	> Soil erosion and sediment laden runoff from o	isturbed areas, that	t could lead to soil or water contamination	
	or land degradation, affecting species habitat.			
	> Spread of weeds, pest animals and animal/pla	nt diseases.		
	> Fauna crossing access tracks may be killed or		icles.	
	> Surface disturbance may result in removal of/	-		
	2 Surface distribution in a result in removal of damage to seed stock.			
	No significant adverse impact on any threatened species, threatened populations, threatened ecological			
	communities, or their habitats is anticipated to occur as a result of the proposed activity where all			
	management measures in the APO and this REF			
Draward management controls	<del>-</del>	· · · · · · · · · · · · · · · · · · ·		
Proposed management controls	> Comply with title conditions and relevant cod Rehabilitation).	e of practice (Enviro	onnental Management and	
	1	f		
	> Minimise extent of vegetation clearing and su		•	
	> All sediment and erosion controls to be mana	=		
	> Prevent adverse impacts to fauna caused by v	egetation clearing,	including relocation of resident fauna.	
	> No trees or shrubs would be removed.			
	> No removal of vegetation in waterfront land.			
	> Vegetation clearing would be limited to groun			
	> Topsoil will be returned to the disturbed area	to promote the est	ablishment of local species in the soil	
	seedbank.			
	> All habitat resources will be salvaged prior to			
	> Rehabilitation to occur as soon as practicable	•	· · · · · · · · · · · · · · · · · · ·	
	> Haverford will implement all relevant procedu	ires for managing p	otential fauna impacts or managing	
	complaints.			
Duration	5			
Application ranking	Low Adverse			
		No		
What is the confidence in predicting	High	Are further		
	High	Are further studies		
What is the confidence in predicting	High			
What is the confidence in predicting	High	studies		
What is the confidence in predicting	High	studies required on impacts or		
What is the confidence in predicting impacts?		studies required on impacts or mitigation?	Low	
What is the confidence in predicting impacts?  How resilient is the environment to	High Resilience	studies required on impacts or mitigation? What is the	Low	
What is the confidence in predicting impacts?		studies required on impacts or mitigation? What is the level of public	Low	
What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?	High Resilience	studies required on impacts or mitigation? What is the level of public concern?		
What is the confidence in predicting impacts?  How resilient is the environment to		studies required on impacts or mitigation? What is the level of public concern? Ranking of	Low	
What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?	High Resilience	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential		
What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?  Can the impacts be reversed?	High Resilience Uncertain	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	Low	
What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?  Can the impacts be reversed?  Can the impacts be mitigated?	High Resilience Uncertain Partly	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	Low	
What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?  Can the impacts be reversed?  Can the impacts be mitigated?  Do the operations comply with	High Resilience Uncertain	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	Low	
What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?  Can the impacts be reversed?  Can the impacts be mitigated?  Do the operations comply with standards, plans, policies?	High Resilience  Uncertain  Partly Yes	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re	Low	
What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?  Can the impacts be reversed?  Can the impacts be mitigated?  Do the operations comply with	High Resilience  Uncertain  Partly Yes  Areas of outstanding biodiversity value/Critical	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re	Low  anking  es: a. declared areas of outstanding	
What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?  Can the impacts be reversed?  Can the impacts be mitigated?  Do the operations comply with standards, plans, policies?	High Resilience  Uncertain  Partly Yes	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re	Low  anking  es: a. declared areas of outstanding	

Potential impacts	There are no:			
	> declared areas of outstanding biodiversity values	ue under the Biodiv	ersity Conservation Act 2016 (NSW) in the	
	area of proposed activities.		,,	
	> areas declared as critical habitat under the Fisheries Management Act 1994 (NSW) in the area of proposed			
	activities.			
	activities.			
	Therefore, impacts to AOBV/Critical habitat are unlikely.			
Proposed management controls	> Comply with title conditions and relevant code of practice (Environmental Management and			
	Rehabilitation).			
	> Implement all mitigation measures under Veg	etation and Threate	ened Species in this REF.	
	> Prevent introduction and spread of weeds, pe	st animals & animal	and plant diseases i.e. "come clean, go	
	clean" protocol.			
	> Comply with any landholder or legislative bios	security requiremen	ts.	
	> Comply with internal procedures for managing	g fire risks.		
	> Comply with any directions from the NSW Rur	ral Fire Service.		
	> Haverford will implement all relevant procedu	ires for managing po	otential ecological/biosecurity impacts or	
	managing complaints.			
Duration	5			
Application ranking	Low Adverse			
What is the confidence in predicting	High	Are further	No	
impacts?		studies		
		required on		
		impacts or		
		mitigation?		
How resilient is the environment to	High Resilience	What is the	Low	
cope with impacts?		level of public		
		concern?		
Can the impacts be reversed?	Yes	Ranking of	Low	
		potential		
		significance		
Can the impacts be mitigated?	Fully	Justification for ra	anking	
Do the operations comply with	Yes			
standards, plans, policies?				
Criteria	Endangered ecological community or critically e	endangered ecologic	cal community: Whether the activity:	
	is likely to have an adverse effect on th	e extent of the ecol	ogical community such that its local	
	occurrence is likely to be placed at risk of extino	tion, or 🛭 i	s likely to substantially and adversely	
	modify the composition of the ecological comm	unity such that its lo	ocal occurrence is likely to be placed at	
	risk of extinction.			
Potential impacts	No significant adverse impact on any threatene	d species, threatene	ed populations, threatened ecological	
	communities, or their habitats is anticipated to		· · · · · · · · · · · · · · · · · · ·	
	management measures in the APO and this REF	are implemented a	nd rehabilitation is completed.	

#### **Proposed management controls**

Refer to mitigation measures for Vegetation and Threatened Species in this REF.

The topography is relatively low relief with majority of the activity area with slopes <5%. There is no mapped Terrestrial Biodiversity under the Lachlan Shire Local Environmental Plan 2013 in the activity area. There are no mapped Biodiversity Values in the activity area. Vegetation clearing would be limited to groundcover only. No trees or shrubs would be removed. Topsoil will be returned to the disturbed area to promote the establishment of local species in the soil seedbank.

Detailed consideration of vegetation is provided in the REF supporting this APO, including the outcome of review of the activity area by AREA Environmental. In summary, the following is concluded:

- > The photos considered in the activity area contain native PCTs but do not have associated TECs.
- > PCTs in the activity area have a suite of associations with threatened species.
- > PCTs have been substantially modified by agricultural practices such as clearing and ploughing. Therefore, the likelihood of threatened species being present and affected by the proposal are low.
- > No exclusion areas are required and no further ecological assessment is considered necessary.
- > In the event a collar location is proposed within a vegetation community not yet reviewed by AREA Environmental (and not within the Cropping Area), AREA Environmental will be consulted to confirm the PCT, potential for threatened species, and whether the activity can proceed without causing significant adverse impact on threatened species, threatened populations, threatened ecological communities, or their habitats.

## SEED search 17.4.24 – Proposed drilling within land zoned RU1.

Bushfire Prone Land – Veg Category 3 (medium risk) with some Cat 1 (highest risk) in denser vegetated areas. 3 PCTs identified within proposed activity area in SEED: PCT 184, PCT 53 (associated with State TEC 10065 – CEEC) and PCT 72.

From APO: applicant also notes grassed area associated with PCT 250: Derived tussock grassland of the central western plains and lower slopes of NSW - associated with Federally listed TEC 20395 (LISTED IN MNES REPORT)

\*\*BioNet records did not include any listed vulnerable or endangered threatened species in the activity area. Vegetation clearing would be limited to groundcover only. No trees or shrubs would be removed. Topsoil will be returned to the disturbed area to promote the establishment of local species in the soil seedbank. No significant adverse impact on threatened species, threatened populations, threatened ecological communities, or their habitats is anticipated to occur where all management measures in this APO are implemented and rehabilitation is completed. On the same basis, MNES are not likely to be impacted by the activity.

\*\*No other issues of environmental sensitivity within proposed drilling area – identified in SEED map.

#### MNES report dated 14/2/24:

Endangered TECs likely to occur within the area include:

- Grey Box (Eucalyptus microcarpa) In feature area Grassy Woodlands and Derived Native Grasslands of South-eastern Australia
- Poplar Box Grassy Woodland on Alluvial In feature area Plains

Endangered species likely to occur in the area: Major Mitchell's Cockatoo (eastern), South-eastern Hooded Robin, Australian Painted Snipe, Koala.

 $<sup>{\</sup>bf **BioNet\ records\ did\ not\ include\ any\ listed\ vulnerable\ or\ endangered\ threatened\ species\ in\ the\ activity\ area.}$ 

T				
Duration	5			
Application ranking	Low Adverse			
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?	Uncertain	Ranking of	Low	
		potential		
		significance		
Can the impacts be mitigated?	Partly	Justification for ranking		
Do the operations comply with	Yes			
standards, plans, policies?				
Criteria	Habitat of a threatened species or ecological community			
Potential impacts	No significant adverse impact on any threatene	d species, threatene	ed populations, threatened ecological	
	communities, or their habitats is anticipated to	occur as a result of	the proposed activity where all	
	management measures in the APO and this REF	are implemented a	nd rehabilitation is completed.	

#### **Proposed management controls**

Refer to mitigation measures for Vegetation and Threatened Species in this REF.

The topography is relatively low relief with majority of the activity area with slopes <5%. There is no mapped Terrestrial Biodiversity under the Lachlan Shire Local Environmental Plan 2013 in the activity area. There are no mapped Biodiversity Values in the activity area. Vegetation clearing would be limited to groundcover only. No trees or shrubs would be removed. Topsoil will be returned to the disturbed area to promote the establishment of local species in the soil seedbank.

Detailed consideration of vegetation is provided in the REF supporting this APO, including the outcome of review of the activity area by AREA Environmental. In summary, the following is concluded:

- > The photos considered in the activity area contain native PCTs but do not have associated TECs.
- > PCTs in the activity area have a suite of associations with threatened species.
- > PCTs have been substantially modified by agricultural practices such as clearing and ploughing. Therefore, the likelihood of threatened species being present and affected by the proposal are low.
- > No exclusion areas are required and no further ecological assessment is considered necessary.
- > In the event a collar location is proposed within a vegetation community not yet reviewed by AREA Environmental (and not within the Cropping Area), AREA Environmental will be consulted to confirm the PCT, potential for threatened species, and whether the activity can proceed without causing significant adverse impact on threatened species, threatened populations, threatened ecological communities, or their habitats.

## SEED search 17.4.24 – Proposed drilling within land zoned RU1.

Bushfire Prone Land – Veg Category 3 (medium risk) with some Cat 1 (highest risk) in denser vegetated areas. 3 PCTs identified within proposed activity area in SEED: PCT 184, PCT 53 (associated with State TEC 10065 – CEEC) and PCT 72.

From APO: applicant also notes grassed area associated with PCT 250: Derived tussock grassland of the central western plains and lower slopes of NSW - associated with Federally listed TEC 20395 (LISTED IN MNES REPORT)

\*\*BioNet records did not include any listed vulnerable or endangered threatened species in the activity area. Vegetation clearing would be limited to groundcover only. No trees or shrubs would be removed. Topsoil will be returned to the disturbed area to promote the establishment of local species in the soil seedbank. No significant adverse impact on threatened species, threatened populations, threatened ecological communities, or their habitats is anticipated to occur where all management measures in this APO are implemented and rehabilitation is completed. On the same basis, MNES are not likely to be impacted by the activity.

\*\*No other issues of environmental sensitivity within proposed drilling area – identified in SEED map.

#### MNES report dated 14/2/24:

Endangered TECs likely to occur within the area include:

- Grey Box (Eucalyptus microcarpa) In feature area Grassy Woodlands and Derived Native Grasslands of South-eastern Australia
- Poplar Box Grassy Woodland on Alluvial In feature area Plains

Endangered species likely to occur in the area: Major Mitchell's Cockatoo (eastern), South-eastern Hooded Robin, Australian Painted Snipe, Koala.

\*\*BioNet records did not include any listed vulnerable or endangered threatened species in the activity area.

Duration	5			
Application ranking	Low Adverse			
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?	Uncertain	Ranking of	Low	
		potential		
		significance		
Can the impacts be mitigated?	Partly	Justification for ra	anking	
Do the operations comply with	Yes			
standards, plans, policies?				
Criteria	Habitat of protected aquatic species or those with conservation status.			
Potential impacts	No significant adverse impact on any threatened species, threatened populations, threatened ecological communities, or their habitats is anticipated to occur as a result of the proposed activity where all management measures in the APO and this REF are implemented and rehabilitation is completed.			

#### **Proposed management controls**

Refer to mitigation measures for Vegetation and Threatened Species in this REF.

The topography is relatively low relief with majority of the activity area with slopes <5%. There is no mapped Terrestrial Biodiversity under the Lachlan Shire Local Environmental Plan 2013 in the activity area. There are no mapped Biodiversity Values in the activity area. Vegetation clearing would be limited to groundcover only. No trees or shrubs would be removed. Topsoil will be returned to the disturbed area to promote the establishment of local species in the soil seedbank.

Detailed consideration of vegetation is provided in the REF supporting this APO, including the outcome of review of the activity area by AREA Environmental. In summary, the following is concluded:

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- > PCTs have been substantially modified by agricultural practices such as clearing and ploughing. Therefore, the likelihood of threatened species being present and affected by the proposal are low.
- > No exclusion areas are required and no further ecological assessment is considered necessary.
- > In the event a collar location is proposed within a vegetation community not yet reviewed by AREA Environmental (and not within the Cropping Area), AREA Environmental will be consulted to confirm the PCT, potential for threatened species, and whether the activity can proceed without causing significant adverse impact on threatened species, threatened populations, threatened ecological communities, or their habitats.

## SEED search 17.4.24 – Proposed drilling within land zoned RU1.

Bushfire Prone Land – Veg Category 3 (medium risk) with some Cat 1 (highest risk) in denser vegetated areas. 3 PCTs identified within proposed activity area in SEED: PCT 184, PCT 53 (associated with State TEC 10065 – CEEC) and PCT 72.

From APO: applicant also notes grassed area associated with PCT 250: Derived tussock grassland of the central western plains and lower slopes of NSW - associated with Federally listed TEC 20395 (LISTED IN MNES REPORT)

\*\*BioNet records did not include any listed vulnerable or endangered threatened species in the activity area. Vegetation clearing would be limited to groundcover only. No trees or shrubs would be removed. Topsoil will be returned to the disturbed area to promote the establishment of local species in the soil seedbank. No significant adverse impact on threatened species, threatened populations, threatened ecological communities, or their habitats is anticipated to occur where all management measures in this APO are implemented and rehabilitation is completed. On the same basis, MNES are not likely to be impacted by the activity.

\*\*No other issues of environmental sensitivity within proposed drilling area – identified in SEED map.

#### MNES report dated 14/2/24:

Endangered TECs likely to occur within the area include:

- Grey Box (Eucalyptus microcarpa) In feature area Grassy Woodlands and Derived Native Grasslands of South-eastern Australia
- Poplar Box Grassy Woodland on Alluvial In feature area Plains

Endangered species likely to occur in the area: Major Mitchell's Cockatoo (eastern), South-eastern Hooded Robin, Australian Painted Snipe, Koala.

\*\*BioNet records did not include any listed vulnerable or endangered threatened species in the activity area.

	Biolitet records and not include any listed vali	icrabic or chadinger	ea threatened species in the activity area.
Duration	5		
Application ranking	Low Adverse		
What is the confidence in predicting	High	Are further	No
impacts?		studies	
		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	High Resilience	What is the	Low
cope with impacts?		level of public	
		concern?	
Can the impacts be reversed?	Yes	Ranking of	Low
		potential	
		significance	
Can the impacts be mitigated?	Fully	Justification for ra	anking
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Key Threatening Processes: As outlined in Schedule 4 of Biodiversity Conservation Act 2016. Includes: a. alteration, removal, clearly or degradation of habitat and native vegetation b. loss of hollow bearing tre c. removal of dead wood and dead trees d. invasion and establishment of exotic species.		

#### Potential impacts

Potential impacts:

- > Vegetation removal and activities can temporarily impact wildlife corridors.
- > Areas cleared for exploration activities are temporarily not available for fauna habitat.
- > Removal of vegetation and barriers created by access tracks may interrupt movement of fauna species.
- > Drilling sumps can be a hazard for fauna.
- > Presence of people and noise may disturb fauna or prevent usual activities.

The topography is relatively low relief with majority of the activity area with slopes <5%. There is no mapped Terrestrial Biodiversity under the Lachlan Shire Local Environmental Plan 2013 in the activity area. There are no mapped Biodiversity Values in the activity area. Vegetation clearing would be limited to groundcover only. No trees or shrubs would be removed. Topsoil will be returned to the disturbed area to promote the establishment of local species in the soil seedbank.

Detailed consideration of vegetation is provided in the REF supporting this APO, including the outcome of review of the activity area by AREA Environmental. In summary, the following is concluded:

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- > PCTs have been substantially modified by agricultural practices such as clearing and ploughing. Therefore, the likelihood of threatened species being present and affected by the proposal are low.
- > No exclusion areas are required and no further ecological assessment is considered necessary.
- > In the event a collar location is proposed within a vegetation community not yet reviewed by AREA Environmental (and not within the Cropping Area), AREA Environmental will be consulted to confirm the PCT, potential for threatened species, and whether the activity can proceed without causing significant adverse impact on threatened species, threatened populations, threatened ecological communities, or their habitats.

SEED search 17.4.24 – Proposed drilling within land zoned RU1.

Bushfire Prone Land – Veg Category 3 (medium risk) with some Cat 1 (highest risk) in denser vegetated areas. 3 PCTs identified within proposed activity area in SEED: PCT 184, PCT 53 (associated with State TEC 10065 – CEEC) and PCT 72.

From APO: applicant also notes grassed area associated with PCT 250: Derived tussock grassland of the central western plains and lower slopes of NSW - associated with Federally listed TEC 20395 (LISTED IN MNES REPORT)

\*\*BioNet records did not include any listed vulnerable or endangered threatened species in the activity area. Vegetation clearing would be limited to groundcover only. No trees or shrubs would be removed. Topsoil will be returned to the disturbed area to promote the establishment of local species in the soil seedbank. No significant adverse impact on threatened species, threatened populations, threatened ecological communities, or their habitats is anticipated to occur where all management measures in this APO are implemented and rehabilitation is completed. On the same basis, MNES are not likely to be impacted by the activity.

 ${\bf **No~other~issues~of~environmental~sensitivity~within~proposed~drilling~area-identified~in~SEED~map.}\\$ 

# MNES report dated 14/2/24:

Endangered TECs likely to occur within the area include:

- Grey Box (Eucalyptus microcarpa) In feature area Grassy Woodlands and Derived Native Grasslands of South-eastern Australia
- Poplar Box Grassy Woodland on Alluvial In feature area Plains

Endangered species likely to occur in the area: Major Mitchell's Cockatoo (eastern), South-eastern Hooded Robin, Australian Painted Snipe, Koala.

#### Proposed management controls

- \*\*BioNet records did not include any listed vulnerable or endangered threatened species in the activity area. 
  > Comply with title conditions and relevant code of practice (Environmental Management and Rehabilitation).
- > Implement all mitigation measures under Vegetation and Threatened Species in this REF.
- > Implement appropriate controls on sumps to minimise risk of fauna entry/injury.
- > Haverford will implement all relevant procedures for managing potential fauna impacts or managing complaints.

# Duration

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Application ranking	Low Adverse		
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?	Uncertain	Ranking of	Low
		potential	
		significance	
Can the impacts be mitigated?	Partly	Justification for ra	anking

#### Do the operations comply with standards, plans, policies? Criteria Barriers to movement of fauna: Any potential to endanger, displace or disturb fauna (including fauna of conservation significance) or create a barrier to their movement **Potential impacts** Potential impacts: > Vegetation removal and activities can temporarily impact wildlife corridors. > Areas cleared for exploration activities are temporarily not available for fauna habitat. > Removal of vegetation and barriers created by access tracks may interrupt movement of fauna species. > Drilling sumps can be a hazard for fauna. > Presence of people and noise may disturb fauna or prevent usual activities. The topography is relatively low relief with majority of the activity area with slopes <5%. There is no mapped Terrestrial Biodiversity under the Lachlan Shire Local Environmental Plan 2013 in the activity area. There are no mapped Biodiversity Values in the activity area. Vegetation clearing would be limited to groundcover only. No trees or shrubs would be removed. Topsoil will be returned to the disturbed area to promote the establishment of local species in the soil seedbank. Detailed consideration of vegetation is provided in the REF supporting this APO, including the outcome of review of the activity area by AREA Environmental. In summary, the following is concluded: > The photos considered in the activity area contain native PCTs but do not have associated TECs. > PCTs in the activity area have a suite of associations with threatened species. > PCTs have been substantially modified by agricultural practices such as clearing and ploughing. Therefore, the likelihood of threatened species being present and affected by the proposal are low. > No exclusion areas are required and no further ecological assessment is considered necessary. > In the event a collar location is proposed within a vegetation community not yet reviewed by AREA Environmental (and not within the Cropping Area), AREA Environmental will be consulted to confirm the PCT, potential for threatened species, and whether the activity can proceed without causing significant adverse impact on threatened species, threatened populations, threatened ecological communities, or their habitats. SEED search 17.4.24 – Proposed drilling within land zoned RU1. Bushfire Prone Land – Veg Category 3 (medium risk) with some Cat 1 (highest risk) in denser vegetated areas. 3 PCTs identified within proposed activity area in SEED: PCT 184, PCT 53 (associated with State TEC 10065 CEEC) and PCT 72. From APO: applicant also notes grassed area associated with PCT 250: Derived tussock grassland of the central western plains and lower slopes of NSW - associated with Federally listed TEC 20395 (LISTED IN MNES REPORT) \*\*BioNet records did not include any listed vulnerable or endangered threatened species in the activity area. Vegetation clearing would be limited to groundcover only. No trees or shrubs would be removed. Topsoil will be returned to the disturbed area to promote the establishment of local species in the soil seedbank. No significant adverse impact on threatened species, threatened populations, threatened ecological communities, or their habitats is anticipated to occur where all management measures in this APO are implemented and rehabilitation is completed. On the same basis, MNES are not likely to be impacted by the activity \*\*No other issues of environmental sensitivity within proposed drilling area – identified in SEED map. MNES report dated 14/2/24: Endangered TECs likely to occur within the area include: Grey Box (Eucalyptus microcarpa) In feature area Grassy Woodlands and Derived Native Grasslands of South-eastern Australia Poplar Box Grassy Woodland on Alluvial In feature area Plains Endangered species likely to occur in the area: Major Mitchell's Cockatoo (eastern), South-eastern Hooded Robin, Australian Painted Snipe, Koala. \*\*BioNet records did not include any listed vulnerable or endangered threatened species in the activity area. > Comply with title conditions and relevant code of practice (Environmental Management and Proposed management controls Rehabilitation). > Implement all mitigation measures under Vegetation and Threatened Species in this REF. > Implement appropriate controls on sumps to minimise risk of fauna entry/injury. > Haverford will implement all relevant procedures for managing potential fauna impacts or managing complaints. Duration **Application ranking** Low Adverse 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?	Uncertain	Ranking of	Low	
		potential		
		significance		
Can the impacts be mitigated?	Partly	Justification for r	anking	
Do the operations comply with standards, plans, policies?	Yes			
Criteria	Ecological & Biosecurity Impacts: Any threat to community.	the biological divers	sity or ecological integrity of an ecological	
Potential impacts	Potential impacts:			
	<ul> <li>Vegetation removal can decrease available habitat for species and displace species from regular place of residence.</li> <li>Areas used for exploration activities are temporarily not available for flora / fauna habitat.</li> <li>Mobilisation of pollutants (such as hydrocarbons) in soils, air or waters can potentially impact fauna / flora</li> <li>Drilling sumps can be a hazard for fauna.</li> <li>Use of pesticides, herbicides, fertilisers or other chemicals have the potential to build up residues in the environment, including in soils and water, which may affect habitat.</li> <li>Soil erosion and sediment laden runoff from disturbed areas, that could lead to soil or water contamination or land degradation, which may affect habitat.</li> <li>Spread of weeds, pest animals and animal/plant diseases.</li> </ul>			
Proposed management controls	> Plant and machinery comprises a potential bu			
	<ul> <li>&gt; Comply with title conditions and relevant code of practice (Environmental Management and Rehabilitation).</li> <li>&gt; Implement all mitigation measures under Vegetation and Threatened Species in this REF.</li> <li>&gt; Prevent introduction and spread of weeds, pest animals &amp; animal and plant diseases i.e. "come clean, go clean" protocol.</li> <li>&gt; Comply with any landholder or legislative biosecurity requirements.</li> <li>&gt; Comply with internal procedures for managing fire risks.</li> <li>&gt; Comply with any directions from the NSW Rural Fire Service.</li> <li>&gt; Haverford will implement all relevant procedures for managing potential ecological/biosecurity impacts or managing complaints.</li> </ul>			
Duration	5			
Application ranking	Low Adverse			
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No	
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?	Low	
Can the impacts be reversed?	Yes	Ranking of potential significance	Low	
Can the impacts be mitigated?	Fully	Justification for r	anking	
Do the operations comply with standards, plans, policies?	Yes  Ecological & Biosecurity Impacts: Creates a bios		<u> </u>	
	an area. Includes impacts from the introduction	of: a. mobilisatio	on of pollutants b. animal pests, c. plant	
Potential impacts	pests and diseases, d. animal diseases, e. noxious weeds, or f. genetically modified organisms.  Potential impacts:  > Vegetation removal can decrease available habitat for species and displace species from regular place of residence.  > Areas used for exploration activities are temporarily not available for flora / fauna habitat.  > Mobilisation of pollutants (such as hydrocarbons) in soils, air or waters can potentially impact fauna / flor.  > Drilling sumps can be a hazard for fauna.  > Use of pesticides, herbicides, fertilisers or other chemicals have the potential to build up residues in the environment, including in soils and water, which may affect habitat.  > Soil erosion and sediment laden runoff from disturbed areas, that could lead to soil or water contamination or land degradation, which may affect habitat.  > Spread of weeds, pest animals and animal/plant diseases.  > Plant and machinery comprises a potential bushfire ignition source.			

Proposed management controls	> Comply with title conditions and relevant code	e of practice (Enviro	nmental Management and
	Rehabilitation). > Implement all mitigation measures under Vegetation and Threatened Species in this REF.		
	> Prevent introduction and spread of weeds, pe	st animals & anima	and plant diseases i.e. "come clean, go
	clean" protocol.		
	> Comply with any landholder or legislative bios		ts.
	<ul><li>Comply with internal procedures for managing</li><li>Comply with any directions from the NSW Rur</li></ul>		
	> Haverford will implement all relevant procedu		ntential ecological/hiosecurity impacts or
	managing complaints.	ires for managing p	otential ecological blosecurity impacts of
Duration	5		
Application ranking	Low Adverse		
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	
011	W	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	Jastineation for fe	wii.vii.i8
standards, plans, policies?	163		
Criteria	Ecological & Biosecurity Impacts: Likely to cause	ı e a significant bushf	re risk.
Potential impacts	Potential impacts:	2.0	
r otentiar impacts	Potential impacts:   > Vegetation removal can decrease available habitat for species and displace species from regular place of		
	residence.	break for species and	a displace species from regular place of
	> Areas used for exploration activities are temp	orarily not available	for flora / fauna habitat.
	> Mobilisation of pollutants (such as hydrocarbo	•	
	> Drilling sumps can be a hazard for fauna.		
	> Use of pesticides, herbicides, fertilisers or other chemicals have the potential to build up residues in the		
	environment, including in soils and water, which may affect habitat.		
	> Soil erosion and sediment laden runoff from disturbed areas, that could lead to soil or water contamination		
	r land degradation, which may affect habitat.		
	<ul><li>&gt; Spread of weeds, pest animals and animal/plant diseases.</li><li>&gt; Plant and machinery comprises a potential bushfire ignition source.</li></ul>		
	> Plant and machinery comprises a potential bu	sillile igilition sourt	e.
	SEED search 17.4.24 – Bushfire Prone Land – Ve	g Category 3 (medi	um risk) with some Cat 1 (highest risk) in
	denser vegetated areas.		
Proposed management controls	> Comply with title conditions and relevant code	e of practice (Enviro	nmental Management and
	Rehabilitation).		
	> Implement all mitigation measures under Vegetation and Threatened Species in this REF.		
	> Prevent introduction and spread of weeds, pest animals & animal and plant diseases i.e. "come clean, go		
	clean" protocol.		
	·		
	> Comply with any landholder or legislative bios		ts.
	> Comply with any landholder or legislative bios > Comply with internal procedures for managing	g fire risks.	ts.
	<ul> <li>Comply with any landholder or legislative bios</li> <li>Comply with internal procedures for managing</li> <li>Comply with any directions from the NSW Rur</li> </ul>	g fire risks. ral Fire Service.	
	<ul> <li>Comply with any landholder or legislative bios</li> <li>Comply with internal procedures for managing</li> <li>Comply with any directions from the NSW Rur</li> <li>Haverford will implement all relevant procedures</li> </ul>	g fire risks. ral Fire Service.	
Duration	<ul> <li>Comply with any landholder or legislative bios</li> <li>Comply with internal procedures for managing</li> <li>Comply with any directions from the NSW Rur</li> </ul>	g fire risks. ral Fire Service.	
	<ul> <li>Comply with any landholder or legislative bios</li> <li>Comply with internal procedures for managing</li> <li>Comply with any directions from the NSW Rur</li> <li>Haverford will implement all relevant procedumanaging complaints.</li> </ul>	g fire risks. ral Fire Service.	
	Comply with any landholder or legislative bios     Comply with internal procedures for managing     Comply with any directions from the NSW Rur     Haverford will implement all relevant procedumanaging complaints.	g fire risks. ral Fire Service.	
Application ranking	Comply with any landholder or legislative bios     Comply with internal procedures for managing     Comply with any directions from the NSW Rur     Haverford will implement all relevant procedumanaging complaints.   Low Adverse	g fire risks. ral Fire Service. ures for managing p	otential ecological/biosecurity impacts or
Application ranking What is the confidence in predicting	Comply with any landholder or legislative bios     Comply with internal procedures for managing     Comply with any directions from the NSW Rur     Haverford will implement all relevant procedumanaging complaints.   Low Adverse	g fire risks. ral Fire Service. ures for managing p	otential ecological/biosecurity impacts or
Application ranking What is the confidence in predicting	Comply with any landholder or legislative bios     Comply with internal procedures for managing     Comply with any directions from the NSW Rur     Haverford will implement all relevant procedumanaging complaints.   Low Adverse	g fire risks. ral Fire Service. ures for managing p  Are further studies required on impacts or	otential ecological/biosecurity impacts or
Application ranking  What is the confidence in predicting impacts?	Comply with any landholder or legislative bios     Comply with internal procedures for managing     Comply with any directions from the NSW Rur     Haverford will implement all relevant procedumanaging complaints.      Low Adverse  High	g fire risks. ral Fire Service. ures for managing p  Are further studies required on impacts or mitigation?	otential ecological/biosecurity impacts or  No
Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to	Comply with any landholder or legislative bios     Comply with internal procedures for managing     Comply with any directions from the NSW Rur     Haverford will implement all relevant procedumanaging complaints.   Low Adverse	g fire risks. ral Fire Service. ures for managing p  Are further studies required on impacts or mitigation?  What is the	otential ecological/biosecurity impacts or
Application ranking  What is the confidence in predicting impacts?	Comply with any landholder or legislative bios     Comply with internal procedures for managing     Comply with any directions from the NSW Rur     Haverford will implement all relevant procedumanaging complaints.      Low Adverse  High	g fire risks. ral Fire Service. ures for managing posterior  Are further studies required on impacts or mitigation?  What is the level of public	otential ecological/biosecurity impacts or  No
Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?	Comply with any landholder or legislative bios     Comply with internal procedures for managing     Comply with any directions from the NSW Rur     Haverford will implement all relevant procedumanaging complaints.      Low Adverse  High  High Resilience	Are further studies required on impacts or mitigation? What is the level of public concern?	otential ecological/biosecurity impacts or  No  Low
Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to	Comply with any landholder or legislative bios     Comply with internal procedures for managing     Comply with any directions from the NSW Rur     Haverford will implement all relevant procedumanaging complaints.      Low Adverse  High	Are further studies required on impacts or mitigation? What is the level of public concern?	otential ecological/biosecurity impacts or  No
Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?	Comply with any landholder or legislative bios     Comply with internal procedures for managing     Comply with any directions from the NSW Rur     Haverford will implement all relevant procedumanaging complaints.      Low Adverse  High  High Resilience	g fire risks. ral Fire Service. ures for managing process  Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	otential ecological/biosecurity impacts or  No  Low
Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?  Can the impacts be reversed?	Comply with any landholder or legislative bios     Comply with internal procedures for managin;     Comply with any directions from the NSW Rur     Haverford will implement all relevant procedumanaging complaints.      Low Adverse     High  High Resilience  Yes	g fire risks. ral Fire Service. ures for managing process  Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	No  Low  Low
Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?  Can the impacts be reversed?	Comply with any landholder or legislative bios     Comply with internal procedures for managin;     Comply with any directions from the NSW Rur     Haverford will implement all relevant procedumanaging complaints.      Low Adverse     High  High Resilience  Yes  Fully	g fire risks. ral Fire Service. ures for managing process  Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	No  Low  Low
Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?  Can the impacts be reversed?  Can the impacts be mitigated?  Do the operations comply with	Comply with any landholder or legislative bios     Comply with internal procedures for managin;     Comply with any directions from the NSW Rur     Haverford will implement all relevant procedumanaging complaints.      Low Adverse     High  High Resilience  Yes	g fire risks. ral Fire Service. ures for managing process  Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	No  Low  Low
Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?  Can the impacts be reversed?	Comply with any landholder or legislative bios     Comply with internal procedures for managin;     Comply with any directions from the NSW Rur     Haverford will implement all relevant procedumanaging complaints.      Low Adverse     High  High Resilience  Yes  Fully	g fire risks. ral Fire Service. ures for managing process  Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for research	No  Low  Low  Low

Potential impacts	The activity requires the use of local sealed roads and unsealed access roads managed by Lachlan Shire Council, as well as internal property access roads managed by the landowner.				
Proposed management controls	Water may be sourced from the Condobolin Water Standpipe (if required) or from a local dam if permitte				
Toposca management controls	by the landholder.				
	The drilling operations are self-sufficient on-site and do not require any connection to services.				
	Waste disposal will be undertaken at a licenced	waste facility or by	a suitable waste disposal provider.		
	The activity is temporary and not likely to significantly increase the demand for services and infrastru				
Duration	5				
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			
		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	t of other communities or natural system		
Potential impacts	The activity is not likely to result in any diversion	on of resources to th	ne detriment of other communities or		
otential impacts	natural systems.	The activity is not likely to result in any diversion of resources to the detriment of other communities or			
	> Comply with title conditions and relevant code of practice (Environmental Management and				
Pronosed management controls	·	e of practice (Enviro	nnmental Management and		
Proposed management controls	> Comply with title conditions and relevant cod	e of practice (Enviro	nmental Management and		
Proposed management controls	> Comply with title conditions and relevant cod Rehabilitation).				
Proposed management controls	> Comply with title conditions and relevant cod Rehabilitation). > Ongoing consultation with the landholder to e				
Proposed management controls	> Comply with title conditions and relevant cod Rehabilitation). > Ongoing consultation with the landholder to e their requirements.	ensure natural resou	urces are managed in accordance with		
Proposed management controls	> Comply with title conditions and relevant cod Rehabilitation). > Ongoing consultation with the landholder to e their requirements. > Comply with legislative requirement for landh	ensure natural resou	urces are managed in accordance with		
Proposed management controls	Comply with title conditions and relevant cod Rehabilitation).     Ongoing consultation with the landholder to e their requirements.     Comply with legislative requirement for landh potential impacts.	ensure natural resou older access arrang	urces are managed in accordance with ements and compensation to limit any		
Proposed management controls	Comply with title conditions and relevant cod Rehabilitation).      Ongoing consultation with the landholder to e their requirements.      Comply with legislative requirement for landh potential impacts.      Rehabilitation to occur as soon as practicable.	ensure natural resound older access arrang after completion of	arces are managed in accordance with ements and compensation to limit any activity.		
Proposed management controls	Comply with title conditions and relevant cod Rehabilitation).      Ongoing consultation with the landholder to e their requirements.      Comply with legislative requirement for landh potential impacts.      Rehabilitation to occur as soon as practicable       Haverford will implement all relevant procedure.	ensure natural resound older access arrang after completion of	errices are managed in accordance with ements and compensation to limit any activity.		
	Comply with title conditions and relevant cod Rehabilitation).      Ongoing consultation with the landholder to e their requirements.      Comply with legislative requirement for landh potential impacts.      Rehabilitation to occur as soon as practicable.	ensure natural resound older access arrang after completion of	ements and compensation to limit any activity.		
Duration	Comply with title conditions and relevant cod Rehabilitation).      Ongoing consultation with the landholder to e their requirements.      Comply with legislative requirement for landh potential impacts.      Rehabilitation to occur as soon as practicable Haverford will implement all relevant procedumanaging complaints.	ensure natural resound older access arrang after completion of	errices are managed in accordance with ements and compensation to limit any activity.		
Duration	Comply with title conditions and relevant cod Rehabilitation).      Ongoing consultation with the landholder to e their requirements.      Comply with legislative requirement for landh potential impacts.      Rehabilitation to occur as soon as practicable Haverford will implement all relevant procedumanaging complaints.	ensure natural resound older access arrang after completion of	arces are managed in accordance with ements and compensation to limit any activity.		
Duration Application ranking	Comply with title conditions and relevant cod Rehabilitation).      Ongoing consultation with the landholder to e their requirements.      Comply with legislative requirement for landh potential impacts.      Rehabilitation to occur as soon as practicable Haverford will implement all relevant procedumanaging complaints.  5	ensure natural resound older access arrang after completion of ures for managing polytes.	ements and compensation to limit any activity.		
Duration Application ranking What is the confidence in predicting	Comply with title conditions and relevant cod Rehabilitation).      Ongoing consultation with the landholder to e their requirements.      Comply with legislative requirement for landh potential impacts.      Rehabilitation to occur as soon as practicable Haverford will implement all relevant procedumanaging complaints.  5	ensure natural resound resou	ements and compensation to limit any activity.		
Duration Application ranking What is the confidence in predicting	Comply with title conditions and relevant cod Rehabilitation).      Ongoing consultation with the landholder to e their requirements.      Comply with legislative requirement for landh potential impacts.      Rehabilitation to occur as soon as practicable Haverford will implement all relevant procedumanaging complaints.  5	ensure natural resound after completion of ures for managing potential of the completion of the comple	ements and compensation to limit any activity.		
Duration Application ranking What is the confidence in predicting	Comply with title conditions and relevant cod Rehabilitation).      Ongoing consultation with the landholder to e their requirements.      Comply with legislative requirement for landh potential impacts.      Rehabilitation to occur as soon as practicable Haverford will implement all relevant procedumanaging complaints.  5	ensure natural resound after completion of ures for managing por studies required on impacts or	ements and compensation to limit any activity.		
Duration Application ranking What is the confidence in predicting impacts?	Comply with title conditions and relevant cod Rehabilitation).      Ongoing consultation with the landholder to e their requirements.      Comply with legislative requirement for landh potential impacts.      Rehabilitation to occur as soon as practicable Haverford will implement all relevant procedumanaging complaints.  High	ensure natural resound after completion of ures for managing por studies required on	ements and compensation to limit any activity.		
Duration Application ranking What is the confidence in predicting impacts?  How resilient is the environment to	Comply with title conditions and relevant cod Rehabilitation).      Ongoing consultation with the landholder to e their requirements.      Comply with legislative requirement for landh potential impacts.      Rehabilitation to occur as soon as practicable Haverford will implement all relevant procedumanaging complaints.  5	Are further studies required on impacts or mitigation?	ements and compensation to limit any activity. Otential natural resource impacts or		
Duration Application ranking What is the confidence in predicting impacts?	Comply with title conditions and relevant cod Rehabilitation).      Ongoing consultation with the landholder to e their requirements.      Comply with legislative requirement for landh potential impacts.      Rehabilitation to occur as soon as practicable Haverford will implement all relevant procedumanaging complaints.  High	Are further studies required on impacts or mitigation?  What is the level of public	ements and compensation to limit any activity. Otential natural resource impacts or		
Duration Application ranking What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?	Comply with title conditions and relevant cod Rehabilitation).     Ongoing consultation with the landholder to e their requirements.     Comply with legislative requirement for landh potential impacts.     Rehabilitation to occur as soon as practicable Haverford will implement all relevant procedumanaging complaints.  High  High Resilience	Are further studies required on impacts or mitigation? What is the level of public concern?	ements and compensation to limit any activity. Otential natural resource impacts or		
Duration Application ranking What is the confidence in predicting impacts?  How resilient is the environment to	Comply with title conditions and relevant cod Rehabilitation).      Ongoing consultation with the landholder to e their requirements.      Comply with legislative requirement for landh potential impacts.      Rehabilitation to occur as soon as practicable Haverford will implement all relevant procedumanaging complaints.  High	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of	ements and compensation to limit any activity. Otential natural resource impacts or		
Duration Application ranking What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?	Comply with title conditions and relevant cod Rehabilitation).     Ongoing consultation with the landholder to e their requirements.     Comply with legislative requirement for landh potential impacts.     Rehabilitation to occur as soon as practicable Haverford will implement all relevant procedumanaging complaints.  High  High Resilience	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	ements and compensation to limit any activity. Otential natural resource impacts or		
Duration Application ranking What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?  Can the impacts be reversed?	Comply with title conditions and relevant cod Rehabilitation).     Ongoing consultation with the landholder to e their requirements.     Comply with legislative requirement for landh potential impacts.     Rehabilitation to occur as soon as practicable Haverford will implement all relevant procedumanaging complaints.  High  High Resilience	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	ements and compensation to limit any factivity.  Totential natural resource impacts or  No  Low  Low		
Duration Application ranking What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?  Can the impacts be reversed?	Comply with title conditions and relevant cod Rehabilitation).     Ongoing consultation with the landholder to e their requirements.     Comply with legislative requirement for landh potential impacts.     Rehabilitation to occur as soon as practicable Haverford will implement all relevant procedumanaging complaints.  High  High Resilience	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	ements and compensation to limit any factivity.  Totential natural resource impacts or  No  Low  Low		
Duration Application ranking What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?  Can the impacts be reversed?  Can the operations comply with	Comply with title conditions and relevant cod Rehabilitation).     Ongoing consultation with the landholder to e their requirements.     Comply with legislative requirement for landh potential impacts.     Rehabilitation to occur as soon as practicable Haverford will implement all relevant procedumanaging complaints.  High  High Resilience	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	ements and compensation to limit any factivity.  Totential natural resource impacts or  No  Low  Low		
Duration Application ranking What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?  Can the impacts be reversed?  Can the impacts be mitigated?  Do the operations comply with standards, plans, policies?	Comply with title conditions and relevant cod Rehabilitation).     Ongoing consultation with the landholder to e their requirements.     Comply with legislative requirement for landh potential impacts.     Rehabilitation to occur as soon as practicable Haverford will implement all relevant procedumanaging complaints.  High  High Resilience  Yes  Fully Yes	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	ements and compensation to limit any activity.  Totential natural resource impacts or  No  Low  Low  Low		
Duration  Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?  Can the impacts be reversed?  Can the impacts be mitigated?  Do the operations comply with standards, plans, policies?  Criteria	Comply with title conditions and relevant cod Rehabilitation).     Ongoing consultation with the landholder to e their requirements.     Comply with legislative requirement for landh potential impacts.     Rehabilitation to occur as soon as practicable Haverford will implement all relevant procedumanaging complaints.  High  High Resilience  Yes  Fully Yes  Natural Resources: Any disruption, depletion or	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification of nature of nature of public concern.	ements and compensation to limit any factivity. Totential natural resource impacts or  No  Low  Low  Low  anking		
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	Comply with title conditions and relevant cod Rehabilitation).      Ongoing consultation with the landholder to e their requirements.      Comply with legislative requirement for landh potential impacts.      Rehabilitation to occur as soon as practicable Haverford will implement all relevant procedumanaging complaints.  High  High Resilience  Yes  Fully Yes  Natural Resources: Any disruption, depletion or Limited potential for any significant diversion of	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification of nature of nature of public concern.	ements and compensation to limit any factivity. Totential natural resource impacts or  No  Low  Low  Low  anking		
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	> Comply with title conditions and relevant cod Rehabilitation). > Ongoing consultation with the landholder to e their requirements. > Comply with legislative requirement for landh potential impacts. > Rehabilitation to occur as soon as practicable > Haverford will implement all relevant procedumanaging complaints.  5  High  High Resilience  Yes  Fully Yes  Natural Resources: Any disruption, depletion or systems on the the following basis:	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for red	ements and compensation to limit any factivity.  Totential natural resource impacts or  No  Low  Low  anking  aral resources.  etriment of other communities or nature		
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	> Comply with title conditions and relevant cod Rehabilitation). > Ongoing consultation with the landholder to e their requirements. > Comply with legislative requirement for landh potential impacts. > Rehabilitation to occur as soon as practicable > Haverford will implement all relevant procedumanaging complaints.  5  High  High Resilience  Yes  Fully Yes  Natural Resources: Any disruption, depletion or systems on the the following basis: > Areas used for exploration activities are temp	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for red	ements and compensation to limit any factivity.  Totential natural resource impacts or  No  Low  Low  anking  aral resources.  etriment of other communities or natural		
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	> Comply with title conditions and relevant cod Rehabilitation). > Ongoing consultation with the landholder to e their requirements. > Comply with legislative requirement for landh potential impacts. > Rehabilitation to occur as soon as practicable > Haverford will implement all relevant procedumanaging complaints.  5  High  High Resilience  Yes  Fully Yes  Natural Resources: Any disruption, depletion or systems on the the following basis: > Areas used for exploration activities are temp > No timber would be removed by the activity.	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for recovery of the decovery of th	ements and compensation to limit any factivity.  Totential natural resource impacts or  No  Low  Low  anking  aral resources.  etriment of other communities or natural anatural resource.		
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	> Comply with title conditions and relevant cod Rehabilitation). > Ongoing consultation with the landholder to e their requirements. > Comply with legislative requirement for landh potential impacts. > Rehabilitation to occur as soon as practicable > Haverford will implement all relevant procedumanaging complaints.  5  High  High Resilience  Yes  Fully Yes  Natural Resources: Any disruption, depletion or systems on the the following basis: > Areas used for exploration activities are temp	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for rational fresources to the decorarily removed as a part that would disrusce	arces are managed in accordance with ements and compensation to limit any activity.  The second of t		

Proposed management controls	> Comply with title conditions and relevant code of practice (Environmental Management and				
	Rehabilitation).				
	> Ongoing consultation with the landholder to ensure natural resources are managed in accordance with				
	their requirements.				
	> Comply with legislative requirement for landh	ements and compensation to limit any			
	potential impacts.				
	> Rehabilitation to occur as soon as practicable after completion of activity. > Haverford will implement all relevant procedures for managing potential natural resource.				
	managing complaints.				
Duration	5				
Application ranking	Negligible				
What is the confidence in predicting	High	Are further	No		
impacts?		studies			
		required on			
		impacts or			
Harris and hart in the consideration to	High Deciliones	mitigation?	Law		
How resilient is the environment to	High Resilience	What is the	Low		
cope with impacts?		level of public			
Courth a immedia ha manana d2	Ver	concern?	1		
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	Justification for ra	anking		
standards, plans, policies?	res				
Criteria	Natural Resources: Any disruption of existing ac	 tivitios which roly o	n natural resources including forestry		
Criteria					
Potential impacts	farming or extractive industries (or reduction of options for future activities).  The activity will be rehabilitated to allow ongoing farming (grazing/cropping) activities on pasture/nativ				
rotential impacts	,	0 10 0			
	vegetation. The disruption is temporary only and is not likely to cause long term impacts to natural resources relied upon for grazing/cropping.				
Proposed management controls		e of practice (Enviro	inmental Management and		
Troposed management controls	> Comply with title conditions and relevant code of practice (Environmental Management and Rehabilitation).				
	> Ongoing consultation with the landholder to ensure natural resources are managed in accordance with				
	their requirements.				
	> Comply with legislative requirement for landholder access arrangements and compensation to limit any				
	potential impacts.	after completion of	activity		
	potential impacts. > Rehabilitation to occur as soon as practicable	·			
	potential impacts. > Rehabilitation to occur as soon as practicable > Haverford will implement all relevant procedu	·			
Duration	potential impacts. > Rehabilitation to occur as soon as practicable > Haverford will implement all relevant procedumanaging complaints.	·			
Duration Application ranking	potential impacts. > Rehabilitation to occur as soon as practicable > Haverford will implement all relevant procedumanaging complaints. 5	·			
Application ranking	potential impacts. > Rehabilitation to occur as soon as practicable > Haverford will implement all relevant procedumanaging complaints.  5 Negligible	ires for managing p	otential natural resource impacts or		
Application ranking What is the confidence in predicting	potential impacts. > Rehabilitation to occur as soon as practicable > Haverford will implement all relevant procedumanaging complaints. 5	res for managing p			
Application ranking	potential impacts. > Rehabilitation to occur as soon as practicable > Haverford will implement all relevant procedumanaging complaints.  5 Negligible	Are further studies	otential natural resource impacts or		
Application ranking What is the confidence in predicting	potential impacts. > Rehabilitation to occur as soon as practicable > Haverford will implement all relevant procedumanaging complaints.  5 Negligible	Are further studies required on	otential natural resource impacts or		
Application ranking What is the confidence in predicting	potential impacts. > Rehabilitation to occur as soon as practicable > Haverford will implement all relevant procedumanaging complaints.  5 Negligible	Are further studies required on impacts or	otential natural resource impacts or		
Application ranking  What is the confidence in predicting impacts?	potential impacts. > Rehabilitation to occur as soon as practicable > Haverford will implement all relevant procedumanaging complaints.  5 Negligible High	Are further studies required on impacts or mitigation?	otential natural resource impacts or  No		
Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to	potential impacts. > Rehabilitation to occur as soon as practicable > Haverford will implement all relevant procedumanaging complaints.  5 Negligible	Are further studies required on impacts or mitigation?	otential natural resource impacts or		
Application ranking  What is the confidence in predicting impacts?	potential impacts. > Rehabilitation to occur as soon as practicable > Haverford will implement all relevant procedumanaging complaints.  5 Negligible High	Are further studies required on impacts or mitigation?	otential natural resource impacts or  No		
Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?	potential impacts. > Rehabilitation to occur as soon as practicable > Haverford will implement all relevant procedumanaging complaints.  5 Negligible High	Are further studies required on impacts or mitigation? What is the level of public concern?	otential natural resource impacts or  No		
Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to	potential impacts. > Rehabilitation to occur as soon as practicable > Haverford will implement all relevant procedumanaging complaints.  5 Negligible High High Resilience	Are further studies required on impacts or mitigation? What is the level of public concern?	No  Low		
Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?	potential impacts. > Rehabilitation to occur as soon as practicable > Haverford will implement all relevant procedumanaging complaints.  5 Negligible High High Resilience	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	No  Low		
Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?  Can the impacts be reversed?	potential impacts. > Rehabilitation to occur as soon as practicable > Haverford will implement all relevant procedumanaging complaints.  5 Negligible High  High Resilience	Are further studies required on impacts or mitigation? What is the level of public concern?	No  Low  Low		
Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?	potential impacts. > Rehabilitation to occur as soon as practicable > Haverford will implement all relevant procedumanaging complaints.  5 Negligible High High Resilience	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	No  Low  Low		
Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?  Can the impacts be reversed?  Can the impacts be mitigated?	potential impacts. > Rehabilitation to occur as soon as practicable > Haverford will implement all relevant procedumanaging complaints.  5 Negligible High  High Resilience	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	No  Low  Low		

Potential impacts	The activity is not likely to degrade an area reserved for conservation purposes as it is not known to be		
	located on or near the following:		
	> land reserved or acquired under the National Parks and Wildlife Act 1974 including national park, nature		
	reserve, karst conservation reserve, historic site, regional park, state conservation area, Aboriginal areas,		
	wild rivers and wildlife refuges.	dartha National Do	arks and Wildlife Act 1074 and for the
	> land subject to a 'conservation agreement' un Biodiversity Conservation Act 2016.	ider the National Pa	irks and Wildlife Act 1974 and/or the
	> land declared as an aquatic reserve or marine	•	
	> land within a state forest set aside under the	•	or conservation values. This includes flora
	reserves and special management (and other)		
	> land reserved or dedicated under the Crown Lands Act 1989/Crown Lands Management Act 2016 (as applicable) for the preservation of flora, fauna, geological formations, or for other environmental protection		
	purposes. > land identified as wilderness or declared a wilderness area under the Wilderness Act 1987.		
	> land identified as wilderness or declared a wilderness area under the wilderness act 1987.  > land subject to a Biobanking agreement (established under the now repealed Threatened Species		
	Conservation Act 1995) or a Biodiversity Stewa	rdship agreement es	stablished under the Biodiversity
	Conservation Act 2016.		
	> land subject to a Wildlife Refuge agreement of		
	> conservation agreements on private land (inc	luding trust agreem	ents under the now repealed Nature
	Conservation Trust Act 2001.		Manatation Ast 2002
	> property vegetation plans made under the no > registered property agreements under the re	•	_
	> land identified in an environmental planning	-	
	being of biodiversity/conservation significance	•	· · · · · · · · · · · · · · · · · · ·
	management.		,
Proposed management controls	> Comply with title conditions and relevant cod	e of practice (Enviro	onmental Management and
	Rehabilitation).	oncuro natural roco	urcos are managed in accordance with
	> Ongoing consultation with the landholder to	ensure natural resot	arces are managed in accordance with
	their requirements. > Comply with legislative requirement for landholder access arrangements and compensation to limit any		
	potential impacts.		
	> Rehabilitation to occur as soon as practicable after completion of activity.		
	> Haverford will implement all relevant procedures for managing potential natural resource impacts or		
	managing complaints.		
Duration	5		
Application ranking	Negligible		
What is the confidence in predicting	High	Are further	No
impacts?		studies	
		required on	
		impacts or	
How resilient is the environment to	High Resilience	mitigation? What is the	Low
cope with impacts?	riigii kesiilerice	level of public	LOW
30p3pa333		concern?	
Can the impacts be reversed?	Yes	Ranking of	Low
		potential	
		significance	
Can the impacts be mitigated?	Fully	Justification for r	anking
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Sensitive Land Impacts: Impacts on National pa	rks and other areas	reserved or dedicated or acquired under
	the National Parks and Wildlife Act 1974.		
Potential impacts	N/A		
Proposed management controls	N/A N/A		
Proposed management controls  Duration	N/A N/A N/A		
Proposed management controls Duration Application ranking	N/A N/A N/A N/A	A. C. show	Lavia
Proposed management controls  Duration  Application ranking  What is the confidence in predicting	N/A N/A N/A	Are further	N/A
Proposed management controls Duration Application ranking	N/A N/A N/A N/A	studies	N/A
Proposed management controls  Duration  Application ranking  What is the confidence in predicting	N/A N/A N/A N/A	studies required on	N/A
Proposed management controls  Duration  Application ranking  What is the confidence in predicting	N/A N/A N/A N/A	studies required on impacts or	N/A
Proposed management controls  Duration  Application ranking  What is the confidence in predicting impacts?	N/A N/A N/A N/A N/A	studies required on impacts or mitigation?	N/A Low
Proposed management controls  Duration  Application ranking  What is the confidence in predicting	N/A N/A N/A N/A	studies required on impacts or	,
Proposed management controls  Duration  Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to	N/A N/A N/A N/A N/A	studies required on impacts or mitigation? What is the	,
Proposed management controls  Duration  Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?	N/A N/A N/A N/A N/A	studies required on impacts or mitigation? What is the level of public	,
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	studies required on impacts or mitigation? What is the level of public concern?	Low
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	studies required on impacts or mitigation? What is the level of public concern? Ranking of	Low
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	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	Low 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 N/A N/A N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	Low N/A

Criteria	Sensitive Land Impacts: Land subject to a 'conservation agreement' under the National Parks and Wildlife Act 1974 and/or the Biodiversity Conservation Act 2016. This includes: a. Biobanking agreement (established under the now repealed Threatened Species Conservation Act 1995) or a Biodiversity Stewardship agreement established under the Biodiversity Conservation Act 2016. b. Wildlife Refuge agreement established under the Biodiversity Conservation Act 2016. c. Existing conservation agreements that continue to have effect even where legislation has been repealed: Trust agreements under the now repealed Nature Conservation Trust Act 2001 Property vegetation plans made under the now-repealed Native Vegetation Act 2003 Registered property agreements under the repealed Native			
	Vegetation Conservation Act 1997			
Potential impacts	N/A			
Proposed management controls	N/A			
Duration	N/A			
Application ranking	N/A			
What is the confidence in predicting	N/A	Are further	N/A	
impacts?		studies		
		required on		
		impacts or		
		mitigation?		
How resilient is the environment to	N/A	What is the	Low	
cope with impacts?		level of public		
		concern?		
Can the impacts be reversed?	N/A	Ranking of	N/A	
		potential		
		significance		
Can the impacts be mitigated?	N/A	Justification for ra	anking	
Do the operations comply with	N/A			
standards, plans, policies?				
Criteria	Sensitive Land Impacts: Impacts on aquatic reserves or marine parks declared under the Marine Estate Management Act 2014. Impacts on Coastal Zone as defined in the Coastal Management Act 2016.			
Potential impacts	N/A			
Proposed management controls	N/A			
Duration	N/A			
Application ranking	N/A			
What is the confidence in predicting	N/A	Are further	N/A	
impacts?	.4/	studies	.,,	
		required on		
		impacts or		
		mitigation?		
How resilient is the environment to	N/A	What is the	Low	
cope with impacts?	.4/	level of public	2011	
		concern?		
Can the impacts be reversed?	N/A	Ranking of	N/A	
	.4/	potential	.,,	
		significance		
Can the impacts be mitigated?	N/A	Justification for ra	ı anking	
Do the operations comply with	N/A	23301104101110111	ω	
standards, plans, policies?	1975			
Criteria Standards, plans, policies:	Sensitive Land Impacts: Fishing grounds and cor	। nmercial fish breed	ing or nursery areas.	
	Sensitive Land Impacts: Fishing grounds and commercial fish breeding or nursery areas.			

Potential impacts	The activity is not likely to degrade an area reserved for conservation purposes as it is not known to be located on or near the following:			
	> land reserved or acquired under the National	Parks and Wildlife A	and Wildlife Act 1974 including national park, nature	
	reserve, karst conservation reserve, historic site		=	
	wild rivers and wildlife refuges.		1 11471 1175 4 4 4074 17 41	
	> land subject to a 'conservation agreement' un Biodiversity Conservation Act 2016.	ider the National Pa	irks and Wildlife Act 1974 and/or the	
	> land declared as an aquatic reserve or marine	park under the Ma	rine Estate Management Act 2014.	
	> land within a state forest set aside under the	•		
	reserves and special management (and other) z	· · · · · · · · · · · · · · · · · · ·		
	> land reserved or dedicated under the Crown Lands Act 1989/Crown Lands Management Act 2016 (as			
	applicable) for the preservation of flora, fauna,			
	purposes. > land identified as wilderness or declared a wil	lderness area under	the Wilderness Act 1987	
	> land subject to a Biobanking agreement (estal			
	Conservation Act 1995) or a Biodiversity Stewar			
	Conservation Act 2016.	ruship agreement es	stabilished drider the blodiversity	
	> land subject to a Wildlife Refuge agreement e	stablished under th	a Riadiversity Conservation Act 2016	
	> conservation agreements on private land (incl		· · · · · · · · · · · · · · · · · · ·	
	Conservation Trust Act 2001.	idding trust agreem	ents under the now repealed Nature	
	> property vegetation plans made under the no	w-renealed Native	Vegetation Act 2003	
		•	9	
	1	red property agreements under the repealed Native Vegetation Conservation Act 1997.		
	> land identified in an environmental planning instrument (such as the Council's Local Environmental Plan) as being of biodiversity/conservation significance or zoned for environmental conservation, protection and/or			
	management.	or zoned for environ	intental conservation, protection and/or	
Proposed management controls	> Comply with title conditions and relevant cod	e of practice (Enviro	nnmental Management and	
Troposed management controls	Rehabilitation).	e or produce (Enviro	omental Management and	
	·	ensure natural resou	urces are managed in accordance with	
	> Ongoing consultation with the landholder to ensure natural resources are managed in accordance with their requirements.			
	> Comply with legislative requirement for landholder access arrangements and compensation to limit any			
	potential impacts.			
	> Rehabilitation to occur as soon as practicable after completion of activity.			
	> Haverford will implement all relevant procedures for managing potential natural resource impacts or			
	managing complaints.	0 01	·	
Duration	5			
Application ranking	Negligible		T	
What is the confidence in predicting	High	Are further	No	
impacts?		studies		
		required on		
		impacts or		
		mitigation?		
How resilient is the environment to	High Resilience	What is the	Low	
cope with impacts?		level of public		
		concern?		
Can the impacts be reversed?	Yes	Ranking of	Low	
		potential		
		significance		
Can the impacts be mitigated?	Fully	Justification for r	anking	
Do the operations comply with standards, plans, policies?	Yes			
Criteria	Sensitive Land Impacts: Impacts on other sensi-	i tive lands including:	a. Land within a state forest set aside	
Criteria	Sensitive Land Impacts: Impacts on other sensitive lands including: a. Land within a state forest set aside under the Forestry Act 2012 for conservation values. This includes flora reserves and special management			
	under the Forestry Act 2012 for conservation va	alues. This includes	flora reserves and special management	
	*		,	
	(and other) zones. b. Drinking water catchmen	nt protection areas	- land declared to be a 'controlled area' or	
	*	nt protection areas . , or a 'special area' u	- land declared to be a 'controlled area' or under the Water Management Act 2000 or	

Potential impacts	The activity is not likely to degrade an area reserved for conservation purposes as it is not known to be			
	located on or near the following:			
	> land reserved or acquired under the National Parks and Wildlife Act 1974 including national park, nature			
	reserve, karst conservation reserve, historic site	e, regional park, stat	te conservation area, Aboriginal areas,	
	wild rivers and wildlife refuges.			
	> land subject to a 'conservation agreement' un	der the National Pa	rks and Wildlife Act 1974 and/or the	
	Biodiversity Conservation Act 2016.			
	> land declared as an aquatic reserve or marine	•	_	
	> land within a state forest set aside under the	•	or conservation values. This includes flora	
	reserves and special management (and other) z			
	> land reserved or dedicated under the Crown L applicable) for the preservation of flora, fauna,		= :	
	purposes.			
	> land identified as wilderness or declared a wilderness area under the Wilderness Act 1987.			
	> land subject to a Biobanking agreement (estal		·	
	Conservation Act 1995) or a Biodiversity Stewar	dship agreement e	stablished under the Biodiversity	
	Conservation Act 2016.		B: I: :: 0	
	> land subject to a Wildlife Refuge agreement e			
	> conservation agreements on private land (incl Conservation Trust Act 2001.	luding trust agreem	ents under the now repealed Nature	
		ur rangalad Nativa	Vacatation Ast 2002	
	> property vegetation plans made under the no > registered property agreements under the rep			
	,	•		
	> land identified in an environmental planning i being of biodiversity/conservation significance of	•	•	
	management.	or zoned for enviror	intental conservation, protection and/or	
Proposed management controls	> Comply with title conditions and relevant cod	e of practice (Enviro	nnmental Management and	
r roposca management controls	Rehabilitation).	e or practice (Enviro	of the first trial and the first trial	
	> Ongoing consultation with the landholder to e	ensure natural resoi	urces are managed in accordance with	
	their requirements.		arees are managea in accordance min	
	> Comply with legislative requirement for landh	older access arrang	rements and compensation to limit any	
	potential impacts.		, ,	
	> Rehabilitation to occur as soon as practicable	after completion of	activity.	
	> Haverford will implement all relevant procedu	•		
	managing complaints.			
Duration	5			
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		
		significance		
Can the impacts be mitigated?	Fully	Justification for ranking		
Do the operations comply with	Yes			
standards, plans, policies?				
Criteria	Sensitive Land Impacts: Impacts on land reserved or dedicated within the meaning of the Crown La 1989/Crown Lands Management Act 2016 for preservation of the environment or other environment.			
	protection purposes.			
Potential impacts	N/A			
Proposed management controls	N/A			
Duration	N/A			
Application ranking	N/A		T	
What is the confidence in predicting	N/A	Are further	N/A	
impacts?		studies		
		required on		
		impacts or		
How recilient is the continuous of the	N/A	mitigation?	Low	
How resilient is the environment to	N/A	What is the	Low	
cope with impacts?		level of public		
Con the imments he many and 12	N/A	concern?	N/A	
Can the impacts be reversed?	N/A	Ranking of	N/A	
		potential significance		
Can the impacts be mitigated?	N/A	Justification for r	anking	
can the impacts be initigated?	13/73	Justinication for f	uiikiiig	

Do the operations comply with	N/A		
standards, plans, policies? Criteria	Sensitive Land Impacts: Impacts on land identif	 ied as wilderness or	declared a wilderness area under the
	Wilderness Act 1987.		
Potential impacts	N/A		
Proposed management controls	N/A		
Duration	N/A		
Application ranking	N/A		
What is the confidence in predicting	N/A	Are further	N/A
impacts?		studies	
		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	N/A	What is the	Low
cope with impacts?		level of public	
Can the impacts be reversed?	N/A	concern? Ranking of	N/A
can the impacts be reversed:	N/A	potential	N/A
		significance	
Can the impacts be mitigated?	N/A	Justification for ra	 
Do the operations comply with	N/A	Justilication for it	alikilig
standards, plans, policies?	N/A		
Criteria	Sensitive Lands: Impacts on wetlands of interna	l ational significance c	lesignated under the Ramsar Convention
	on Wetlands and those designated as a national	_	
	of Australia.	any important wetlar	a in the Breetory of Important Wetland
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?	N/A	studies	19/4
impacts:		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	N/A	What is the	Low
cope with impacts?	N/A	level of public	LOW
		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	Sensitive Land Impacts: Impacts on land identif	ied in an environme	ntal planning instrument as being of
	biodiversity / conservation significance or zone	d for environmental	conservation, protection and/or
	management. Includes Coastal Wetlands and L	ittoral rainforests ur	der State Environmental Planning Policy
	(Resilience and Hazards) 2021.		
Potential impacts			
	N/A		
Proposed management controls	N/A N/A		
	-		
Duration	N/A		
Duration	N/A N/A	Are further	N/A
Duration Application ranking	N/A N/A N/A	Are further studies	N/A
Duration Application ranking What is the confidence in predicting	N/A N/A N/A		N/A
Duration Application ranking What is the confidence in predicting	N/A N/A N/A	studies	N/A
Duration Application ranking What is the confidence in predicting	N/A N/A N/A	studies required on	N/A
Duration Application ranking What is the confidence in predicting	N/A N/A N/A	studies required on impacts or	N/A Low
Duration Application ranking What is the confidence in predicting impacts?	N/A N/A N/A N/A N/A	studies required on impacts or mitigation?	
Duration Application ranking What is the confidence in predicting impacts?  How resilient is the environment to	N/A N/A N/A N/A N/A	studies required on impacts or mitigation? What is the	
Duration Application ranking What is the confidence in predicting impacts?  How resilient is the environment to	N/A N/A N/A N/A N/A	studies required on impacts or mitigation? What is the level of public	
Duration Application ranking What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?	N/A N/A N/A N/A N/A	studies required on impacts or mitigation? What is the level of public concern?	Low
Duration Application ranking What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?	N/A N/A N/A N/A N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of	Low
Duration Application ranking What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?	N/A N/A N/A N/A N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	Low N/A
Duration Application ranking What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?  Can the impacts be reversed?	N/A N/A N/A N/A N/A N/A N/A N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	Low N/A
impacts?  How resilient is the environment to cope with impacts?  Can the impacts be reversed?  Can the impacts be mitigated?	N/A N/A N/A N/A N/A N/A N/A N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	Low N/A
Duration Application ranking What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?  Can the impacts be reversed?  Can the impacts be mitigated?  Do the operations comply with	N/A N/A N/A N/A N/A N/A N/A N/A	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re	Low N/A anking
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	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re	N/A  anking  areas: a. Aboriginal places and objects
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 N/A N/A Sensitive Land Impacts: Impacts on Aboriginal I	studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for re	N/A  anking  areas: a. Aboriginal places and objects

Duamand management controls	N/A		
Proposed management controls  Duration	N/A		
Application ranking	N/A		
What is the confidence in predicting	N/A	Are further	N/A
impacts?	14/1	studies	1,77
impacts.		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	N/A	What is the	Low
cope with impacts?	IN/A	level of public	LOW
cope with impacts.		concern?	
Can the impacts be reversed?	N/A	Ranking of	N/A
can the impacts be reversed.	N/A	potential	
		significance	
Can the impacts be mitigated?	N/A	Justification for ra	l anking
Do the operations comply with	N/A	Justinication for it	unking
standards, plans, policies?	IVA		
Criteria	Sensitive Land Impacts: Impacts on heritage pro	toction areas (histo	ric or naturally a Nationally and
Citteria	internationally recognised heritage sites or area		
	Commonwealth Heritage List) b. Items listed		
	identified in an environmental planning instrun	_	c. Heritage items and conservation areas
Potential impacts	N/A	ieiit	
Proposed management controls	N/A		
Duration	N/A		
Application ranking	N/A		I
What is the confidence in predicting	N/A	Are further	N/A
impacts?		studies	
		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	N/A	What is the	Low
cope with impacts?		level of public	
		concern?	
Can the impacts be reversed?	N/A	Ranking of	N/A
		potential	
		significance	
Can the impacts be mitigated?	N/A	Justification for ra	anking
Do the operations comply with	N/A		
standards, plans, policies?			
Criteria	Sensitive Land Impacts: Impacts on community		er the Local Government Act 1993 (for
	which a plan of management has been prepare	d).	
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	Low
cope with impacts?	,	level of public	
		concern?	
Can the impacts be reversed?	N/A	Ranking of	N/A
can the impacts be reversed:		potential	.,,.,
		significance	
Can the impacts he mitigated?	N/A	Justification for ra	 
Can the impacts be mitigated?	N/A	Justification for ra	annig
Do the operations comply with	N/A		
standards, plans, policies?			
Criteria Standards, plans, poneies.	Sensitive Land Impacts: Impacts on bushfire pro		

Potential impacts	The activity is not likely to degrade an area resolocated on or near the following:  > land reserved or acquired under the National reserve, karst conservation reserve, historic site wild rivers and wildlife refuges.  > land subject to a 'conservation agreement' un Biodiversity Conservation Act 2016.  > land declared as an aquatic reserve or marine and within a state forest set aside under the reserves and special management (and other) are land reserved or dedicated under the Crown applicable) for the preservation of flora, fauna, purposes.  > land identified as wilderness or declared a wimpurposes.  > land subject to a Biobanking agreement (esta Conservation Act 1995) or a Biodiversity Stewa Conservation Act 2016.  > land subject to a Wildlife Refuge agreement esta conservation agreements on private land (incomparison of the property vegetation plans made under the reconservation Trust Act 2001.  > property vegetation plans made under the reconservation agreements under the reconservation of biodiversity/conservation significance management.	Parks and Wildlife A e, regional park, state nder the National Pa e park under the Ma Forestry Act 2012 for cones. Lands Act 1989/Crow geological formatio Iderness area under blished under the no rdship agreement es established under the cluding trust agreem ow-repealed Native Veget instrument (such as	Act 1974 including national park, nature to conservation area, Aboriginal areas, rks and Wildlife Act 1974 and/or the rine Estate Management Act 2014. For conservation values. This includes flora wn Lands Management Act 2016 (as ms, or for other environmental protection the Wilderness Act 1987. Fow repealed Threatened Species stablished under the Biodiversity are Biodiversity Conservation Act 2016. Find the Wilderness Act 1987. For expensive we getation Act 2003. Faction Conservation Act 1997. The Council's Local Environmental Plan) as	
	SEED search 17.4.24 – Bushfire Prone Land – Veg Category 3 (medium risk) with some Cat 1 (highest risk) in denser vegetated areas.			
Proposed management controls	Comply with title conditions and relevant code of practice (Environmental Management and Rehabilitation).     Ongoing consultation with the landholder to ensure natural resources are managed in accordance with their requirements.     Comply with legislative requirement for landholder access arrangements and compensation to limit any potential impacts.     Rehabilitation to occur as soon as practicable after completion of activity.     Haverford will implement all relevant procedures for managing potential natural resource impacts or			
	Comply with legislative requirement for landle potential impacts.     Rehabilitation to occur as soon as practicable Haverford will implement all relevant procedure.	after completion of	activity.	
Duration	Comply with legislative requirement for landle potential impacts.     Rehabilitation to occur as soon as practicable Haverford will implement all relevant procedimanaging complaints.	after completion of	activity.	
Duration Application ranking	Comply with legislative requirement for landle potential impacts.     Rehabilitation to occur as soon as practicable Haverford will implement all relevant procedimanaging complaints.	after completion of	activity.	
Duration Application ranking What is the confidence in predicting impacts?	Comply with legislative requirement for landle potential impacts.     Rehabilitation to occur as soon as practicable Haverford will implement all relevant procedimanaging complaints.	Are further studies required on impacts or	activity.	
Application ranking What is the confidence in predicting	Comply with legislative requirement for landle potential impacts.     Rehabilitation to occur as soon as practicable Haverford will implement all relevant procedimanaging complaints.  Negligible	Are further studies required on impacts or mitigation? What is the level of public	activity. otential natural resource impacts or	
Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to	Comply with legislative requirement for landle potential impacts.     Rehabilitation to occur as soon as practicable       Haverford will implement all relevant procedimanaging complaints.      Negligible  High	Are further studies required on impacts or mitigation?	activity. otential natural resource impacts or  No	
Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?	Comply with legislative requirement for landle potential impacts.     Rehabilitation to occur as soon as practicable       Haverford will implement all relevant proceding managing complaints.      Negligible  High  High Resilience	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	No  Low  Low	
Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?  Can the impacts be reversed?  Can the impacts be mitigated?  Do the operations comply with standards, plans, policies?	Comply with legislative requirement for lands potential impacts.     Rehabilitation to occur as soon as practicable Haverford will implement all relevant proced managing complaints.  Negligible High  High Resilience  Yes  Fully Yes	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	No  Low  Low  Low  anking	
Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?  Can the impacts be reversed?  Can the impacts be mitigated?  Do the operations comply with	Comply with legislative requirement for landle potential impacts.     Rehabilitation to occur as soon as practicable       Haverford will implement all relevant proceding managing complaints.      Negligible     High  High Resilience  Yes  Fully	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for recorded in the demograture of the area/re	activity. otential natural resource impacts or  No  Low  Low  anking  raphic structure of the community, gion. Including change in demand for	
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?	Comply with legislative requirement for landle potential impacts.     Rehabilitation to occur as soon as practicable       Haverford will implement all relevant proceding managing complaints.      Negligible     High  High Resilience  Yes  Fully Yes  Social Impacts: Any impacts which result in a chincluding changes to workforce or industry structure.	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for recommunity services the demographic stry the activity. Exploit	Low  Low  Low  anking  raphic structure of the community, gion. Including change in demand for and labour force).  ructure of the community as there is no ration activities are relatively common in	
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	> Comply with legislative requirement for lands potential impacts. > Rehabilitation to occur as soon as practicable > Haverford will implement all relevant proced managing complaints.  5 Negligible High  High Resilience  Yes  Fully Yes  Social Impacts: Any impacts which result in a chincluding changes to workforce or industry strucommunity resources (eg community facilities, The activity is not likely to result in a change to significant employment demand is generated by the region and therefore the activity is not likely > Comply with title conditions and relevant code Rehabilitation). > Ongoing community and landholder consulta > Rehabilitation to occur as soon as practicable > Haverford will implement all relevant procedicomplaints.	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for recommunity services the demographic story the activity. Exploitly to change the induction.	activity. otential natural resource impacts or  No  Low  Low  anking  applic structure of the community, gion. Including change in demand for and labour force). ructure of the community as there is no ration activities are relatively common in astry structure of the region. onmental Management and	
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	> Comply with legislative requirement for lands potential impacts. > Rehabilitation to occur as soon as practicable > Haverford will implement all relevant proceds managing complaints.  5 Negligible High  High Resilience  Yes  Fully Yes  Social Impacts: Any impacts which result in a chincluding changes to workforce or industry strucommunity resources (eg community facilities, The activity is not likely to result in a change to significant employment demand is generated be the region and therefore the activity is not likely > Comply with title conditions and relevant code Rehabilitation). > Ongoing community and landholder consulta > Rehabilitation to occur as soon as practicable > Haverford will implement all relevant procedure.	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for recommunity services the demographic story the activity. Exploity to change the induction.	activity. otential natural resource impacts or  No  Low  Low  anking  applic structure of the community, gion. Including change in demand for and labour force). ructure of the community as there is no ration activities are relatively common in astry structure of the region. onmental Management and	

What is the confidence in predicting	High	Are further	No
impacts?		studies	
		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	High Resilience	What is the	Low
cope with impacts?		level of public	
		concern?	
Can the impacts be reversed?	Yes	Ranking of	Low
•		potential	
		significance	
Can the impacts be mitigated?	Fully	Justification for ra	anking
Do the operations comply with	Yes	Justinication for the	
standards, plans, policies?	163		
Criteria	Social Impacts: Any environmental impact that	l may causo substant	ial change or discuption to the communit
Criteria	(including loss of facilities or loss of community	•	ial change of disruption to the community
Barta attal tara and			and the second s
Potential impacts	The activity is not likely to have an environment		
	the community given it is undertaken in an isola		
	community. It would not result in any loss of fac		·
Proposed management controls	> Comply with title conditions and relevant code	e of practice (Enviro	nmental Management and
	Rehabilitation).		
	> Ongoing community and landholder consultat		
	> Rehabilitation to occur as soon as practicable	after completion of	activity.
	> Haverford will implement all relevant procedu	ires for managing po	otential social impacts or managing
	complaints.		
Duration	5		
Application ranking	Negligible		
What is the confidence in predicting	High	Are further	No
impacts?	8	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	
		significance	
	Fully	Justification for ra	anking
Can the impacts be mitigated?	I UIIV		
Can the impacts be mitigated?  Do the operations comply with	•		
Do the operations comply with	Yes		
Do the operations comply with standards, plans, policies?	Yes	e individuals or com	nmunities heing significantly
Do the operations comply with	Yes  Social Impacts: Any impacts which result in som		
Do the operations comply with standards, plans, policies? Criteria	Yes  Social Impacts: Any impacts which result in som disadvantaged (e.g. change to community facility)	ties, services or labo	ur force).
Do the operations comply with standards, plans, policies? Criteria	Yes  Social Impacts: Any impacts which result in som disadvantaged (e.g. change to community facilit The activity is not likely to result in some indivic	ties, services or labo luals or communitie	ur force). s being significantly disadvantaged given
Do the operations comply with standards, plans, policies? Criteria	Yes  Social Impacts: Any impacts which result in som disadvantaged (e.g. change to community facilit The activity is not likely to result in some indivice the demand for community resources is low and the demand for comm	ties, services or labo luals or communitie d temporary. Use of	ur force). s being significantly disadvantaged giver local facilities and services is limited to a
Do the operations comply with standards, plans, policies? Criteria	Yes  Social Impacts: Any impacts which result in som disadvantaged (e.g. change to community facilit The activity is not likely to result in some indivice the demand for community resources is low and small number of company employees and contribute to the company employees.	ties, services or labo luals or communitie d temporary. Use of	ur force). s being significantly disadvantaged giver local facilities and services is limited to a
Do the operations comply with standards, plans, policies? Criteria Potential impacts	Yes  Social Impacts: Any impacts which result in som disadvantaged (e.g. change to community facilit The activity is not likely to result in some indivice the demand for community resources is low and small number of company employees and contrible local community.	ties, services or labo luals or communitie d temporary. Use of ractors, and is not lik	our force). s being significantly disadvantaged given local facilities and services is limited to a kely to compete with the demand from
Do the operations comply with standards, plans, policies? Criteria Potential impacts	Yes  Social Impacts: Any impacts which result in som disadvantaged (e.g. change to community facilit The activity is not likely to result in some indivice the demand for community resources is low and small number of company employees and contribute to the company employees.	ties, services or labo luals or communitie d temporary. Use of ractors, and is not lik	our force).  s being significantly disadvantaged giver local facilities and services is limited to a kely to compete with the demand from
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Do the operations comply with standards, plans, policies? Criteria Potential impacts	Yes  Social Impacts: Any impacts which result in som disadvantaged (e.g. change to community facilit The activity is not likely to result in some indivice the demand for community resources is low and small number of company employees and contribute local community.  > Comply with title conditions and relevant code.	ties, services or labor luals or communitied d temporary. Use of factors, and is not like e of practice (Enviro	our force).  s being significantly disadvantaged giver local facilities and services is limited to kely to compete with the demand from
Do the operations comply with standards, plans, policies? Criteria Potential impacts	Yes  Social Impacts: Any impacts which result in som disadvantaged (e.g. change to community facilit The activity is not likely to result in some indivice the demand for community resources is low and small number of company employees and contribute local community.  > Comply with title conditions and relevant code Rehabilitation).	ties, services or labor luals or communitied d temporary. Use of factors, and is not like e of practice (Enviro	our force).  s being significantly disadvantaged giver local facilities and services is limited to kely to compete with the demand from mental Management and
Do the operations comply with standards, plans, policies?	Yes  Social Impacts: Any impacts which result in som disadvantaged (e.g. change to community facilit The activity is not likely to result in some indivice the demand for community resources is low and small number of company employees and contribute local community.  > Comply with title conditions and relevant code Rehabilitation).  > Ongoing community and landholder consultations.	ties, services or labor luals or communitied d temporary. Use of factors, and is not like e of practice (Enviro- tion. after completion of	sur force).  s being significantly disadvantaged giver local facilities and services is limited to a kely to compete with the demand from mmental Management and activity.
Do the operations comply with standards, plans, policies? Criteria Potential impacts	Yes  Social Impacts: Any impacts which result in som disadvantaged (e.g. change to community facilit The activity is not likely to result in some indivice the demand for community resources is low and small number of company employees and contribute local community.  > Comply with title conditions and relevant code Rehabilitation).  > Ongoing community and landholder consultated to the second secon	ties, services or labor luals or communitied d temporary. Use of factors, and is not like e of practice (Enviro- tion. after completion of	sur force).  s being significantly disadvantaged given local facilities and services is limited to a sely to compete with the demand from mental Management and activity.
Do the operations comply with standards, plans, policies? Criteria Potential impacts	Yes  Social Impacts: Any impacts which result in som disadvantaged (e.g. change to community facilit The activity is not likely to result in some indivice the demand for community resources is low and small number of company employees and contribute local community.  > Comply with title conditions and relevant code Rehabilitation).  > Ongoing community and landholder consultated the second s	ties, services or labor luals or communitied d temporary. Use of factors, and is not like e of practice (Enviro- tion. after completion of	sur force).  s being significantly disadvantaged given local facilities and services is limited to a sely to compete with the demand from mental Management and activity.
Do the operations comply with standards, plans, policies?  Criteria  Potential impacts  Proposed management controls  Duration	Yes  Social Impacts: Any impacts which result in som disadvantaged (e.g. change to community facilit The activity is not likely to result in some indivice the demand for community resources is low and small number of company employees and contribute local community.  > Comply with title conditions and relevant code Rehabilitation).  > Ongoing community and landholder consultated to the second secon	ties, services or labor luals or communitied d temporary. Use of factors, and is not like e of practice (Enviro- tion. after completion of	sur force).  s being significantly disadvantaged given local facilities and services is limited to a sely to compete with the demand from mental Management and activity.
Do the operations comply with standards, plans, policies?  Criteria  Potential impacts  Proposed management controls  Duration  Application ranking	Yes  Social Impacts: Any impacts which result in som disadvantaged (e.g. change to community facilit The activity is not likely to result in some indivice the demand for community resources is low and small number of company employees and contribute local community.  > Comply with title conditions and relevant code Rehabilitation).  > Ongoing community and landholder consultated to Rehabilitation to occur as soon as practicable to Haverford will implement all relevant proceducing complaints.  5  Negligible	ties, services or labor luals or communitied d temporary. Use of factors, and is not like e of practice (Environion. after completion of ures for managing po	sur force).  s being significantly disadvantaged giver local facilities and services is limited to kely to compete with the demand from mmental Management and activity.  otential social impacts or managing
Do the operations comply with standards, plans, policies?  Criteria  Potential impacts  Proposed management controls  Duration  Application ranking  What is the confidence in predicting	Yes  Social Impacts: Any impacts which result in som disadvantaged (e.g. change to community facilit The activity is not likely to result in some indivice the demand for community resources is low and small number of company employees and contribute local community.  > Comply with title conditions and relevant code Rehabilitation).  > Ongoing community and landholder consultated to the second secon	ties, services or laboral luals or communitied temporary. Use of eactors, and is not like of practice (Environion.  after completion of ures for managing portions.  Are further	sur force).  s being significantly disadvantaged giver local facilities and services is limited to a kely to compete with the demand from mmental Management and activity.
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Do the operations comply with standards, plans, policies?  Criteria  Potential impacts  Proposed management controls  Duration  Application ranking  What is the confidence in predicting	Yes  Social Impacts: Any impacts which result in som disadvantaged (e.g. change to community facilit The activity is not likely to result in some indivice the demand for community resources is low and small number of company employees and contribute local community.  > Comply with title conditions and relevant code Rehabilitation).  > Ongoing community and landholder consultated to Rehabilitation to occur as soon as practicable to Haverford will implement all relevant proceducing complaints.  5  Negligible	cies, services or laboral luals or communitied temporary. Use of ractors, and is not like of practice (Environal cion.  after completion of the present of the completion of t	sur force).  s being significantly disadvantaged giver local facilities and services is limited to kely to compete with the demand from mmental Management and activity.  otential social impacts or managing
Do the operations comply with standards, plans, policies?  Criteria  Potential impacts  Proposed management controls  Duration  Application ranking  What is the confidence in predicting	Yes  Social Impacts: Any impacts which result in som disadvantaged (e.g. change to community facilit The activity is not likely to result in some indivice the demand for community resources is low and small number of company employees and contribute local community.  > Comply with title conditions and relevant code Rehabilitation).  > Ongoing community and landholder consultated to Rehabilitation to occur as soon as practicable to Haverford will implement all relevant proceducing complaints.  5  Negligible	cies, services or laboral luals or communitied temporary. Use of ractors, and is not like of practice (Environates for managing policy of the further studies required on impacts or	sur force).  s being significantly disadvantaged giver local facilities and services is limited to kely to compete with the demand from mmental Management and activity.  otential social impacts or managing
Do the operations comply with standards, plans, policies?  Criteria  Potential impacts  Proposed management controls  Duration  Application ranking  What is the confidence in predicting impacts?	Yes  Social Impacts: Any impacts which result in som disadvantaged (e.g. change to community facilit The activity is not likely to result in some indivic the demand for community resources is low and small number of company employees and contrible local community.  > Comply with title conditions and relevant code Rehabilitation).  > Ongoing community and landholder consultated to the semantic procedure in the local complaints.  Social Impacts: Any impacts which result in some individual in the semantic procedure in the semantic proc	cies, services or laboral luals or communitied temporary. Use of ractors, and is not like of practice (Environates for managing possible)  Are further studies required on impacts or mitigation?	s being significantly disadvantaged given local facilities and services is limited to a sely to compete with the demand from mental Management and activity.  Detential social impacts or managing
Do the operations comply with standards, plans, policies?  Criteria  Potential impacts  Proposed management controls  Duration  Application ranking  What is the confidence in predicting	Yes  Social Impacts: Any impacts which result in som disadvantaged (e.g. change to community facilit The activity is not likely to result in some indivice the demand for community resources is low and small number of company employees and contribute local community.  > Comply with title conditions and relevant code Rehabilitation).  > Ongoing community and landholder consultated to Rehabilitation to occur as soon as practicable to Haverford will implement all relevant proceducing complaints.  5  Negligible	cies, services or laboral luals or communitied temporary. Use of ractors, and is not like of practice (Environation.  after completion of the interest for managing positions are further studies required on impacts or mitigation?	sur force).  s being significantly disadvantaged given local facilities and services is limited to a kely to compete with the demand from mental Management and activity.  otential social impacts or managing
Do the operations comply with standards, plans, policies?  Criteria  Potential impacts  Proposed management controls  Duration  Application ranking  What is the confidence in predicting impacts?	Yes  Social Impacts: Any impacts which result in som disadvantaged (e.g. change to community facilit The activity is not likely to result in some indivic the demand for community resources is low and small number of company employees and contrible local community.  > Comply with title conditions and relevant code Rehabilitation).  > Ongoing community and landholder consultated to the semantic procedure in the local complaints.  Social Impacts: Any impacts which result in some individual in the semantic procedure in the semantic proc	cies, services or laboral luals or communitied temporary. Use of ractors, and is not like of practice (Environates for managing possible)  Are further studies required on impacts or mitigation?	s being significantly disadvantaged giver local facilities and services is limited to exely to compete with the demand from mental Management and activity.  Detential social impacts or managing
Do the operations comply with standards, plans, policies?  Criteria  Potential impacts  Proposed management controls  Duration  Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to	Yes  Social Impacts: Any impacts which result in som disadvantaged (e.g. change to community facilit The activity is not likely to result in some indivic the demand for community resources is low and small number of company employees and contrible local community.  > Comply with title conditions and relevant code Rehabilitation).  > Ongoing community and landholder consultated to the semantic procedure in the local complaints.  Social Impacts: Any impacts which result in some individual in the semantic procedure in the semantic proc	cies, services or laboral luals or communitied temporary. Use of ractors, and is not like of practice (Environation.  after completion of the interest for managing positions are further studies required on impacts or mitigation?	s being significantly disadvantaged giver local facilities and services is limited to exely to compete with the demand from mental Management and activity.  Detential social impacts or managing
Do the operations comply with standards, plans, policies?  Criteria  Potential impacts  Proposed management controls  Duration  Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to	Yes  Social Impacts: Any impacts which result in som disadvantaged (e.g. change to community facilit The activity is not likely to result in some indivic the demand for community resources is low and small number of company employees and contrible local community.  > Comply with title conditions and relevant code Rehabilitation).  > Ongoing community and landholder consultated to the semantic procedure in the local complaints.  Social Impacts: Any impacts which result in some individual in the semantic procedure in the semantic proc	cies, services or laborates or laborates or communities of temporary. Use of fractors, and is not like of practice (Environates for managing position).  Are further studies required on impacts or mitigation?  What is the level of public	s being significantly disadvantaged giver local facilities and services is limited to exely to compete with the demand from mental Management and activity.  Detential social impacts or managing
Do the operations comply with standards, plans, policies?  Criteria  Potential impacts  Proposed management controls  Duration  Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?	Yes  Social Impacts: Any impacts which result in som disadvantaged (e.g. change to community facilit The activity is not likely to result in some indivic the demand for community resources is low and small number of company employees and contrible local community.  > Comply with title conditions and relevant code Rehabilitation).  > Ongoing community and landholder consultated to Rehabilitation to occur as soon as practicable to Haverford will implement all relevant proceduc complaints.  5  Negligible  High  High Resilience	cies, services or laborates or communities of temporary. Use of fractors, and is not like of practice (Environates for managing position).  Are further studies required on impacts or mitigation?  What is the level of public concern?  Ranking of	s being significantly disadvantaged giver local facilities and services is limited to exely to compete with the demand from mental Management and activity.  Stendard Social impacts or managing  No  Low
Do the operations comply with standards, plans, policies?  Criteria  Potential impacts  Proposed management controls  Duration  Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?	Yes  Social Impacts: Any impacts which result in som disadvantaged (e.g. change to community facilit The activity is not likely to result in some indivic the demand for community resources is low and small number of company employees and contrible local community.  > Comply with title conditions and relevant code Rehabilitation).  > Ongoing community and landholder consultated to Rehabilitation to occur as soon as practicable to Haverford will implement all relevant proceduc complaints.  5  Negligible  High  High Resilience	cies, services or laborates or laborates or communities of temporary. Use of ractors, and is not like of practice (Environates or managing possible or managing possible or mitigation?  What is the level of public concern?  Ranking of potential	s being significantly disadvantaged giver local facilities and services is limited to exely to compete with the demand from mental Management and activity.  Stendard Social impacts or managing  No  Low
Do the operations comply with standards, plans, policies?  Criteria  Potential impacts  Proposed management controls  Duration  Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?  Can the impacts be reversed?	Yes  Social Impacts: Any impacts which result in som disadvantaged (e.g. change to community facility the activity is not likely to result in some indivice the demand for community resources is low and small number of company employees and contribute local community.  > Comply with title conditions and relevant code Rehabilitation).  > Ongoing community and landholder consultated in the second seco	cies, services or laborates or laborates or communities of temporary. Use of fractors, and is not like of practice (Environates or managing possible of public concern?  Ranking of potential significance	s being significantly disadvantaged giver local facilities and services is limited to a kely to compete with the demand from nmental Management and activity.  Stendard Social impacts or managing  No  Low  Low
Do the operations comply with standards, plans, policies?  Criteria  Potential impacts  Proposed management controls  Duration  Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?  Can the impacts be reversed?	Yes  Social Impacts: Any impacts which result in som disadvantaged (e.g. change to community facilit The activity is not likely to result in some indivice the demand for community resources is low and small number of company employees and contribute local community.  > Comply with title conditions and relevant code Rehabilitation).  > Ongoing community and landholder consultated in the local community is soon as practicable in the local complaints.  Sometimes are the local complaints.  The local community and landholder consultated in the local complaints.  The local community and landholder consultated in the local complaints in the local complaints.  The local community and landholder consultated in the local consultated in the local complaints.  The local community and landholder consultated in the local community and landholder co	cies, services or laborates or laborates or communities of temporary. Use of ractors, and is not like of practice (Environates or managing possible or managing possible or mitigation?  What is the level of public concern?  Ranking of potential	s being significantly disadvantaged given local facilities and services is limited to a kely to compete with the demand from nmental Management and activity.  Stential social impacts or managing  No  Low  Low
Do the operations comply with standards, plans, policies?  Criteria  Potential impacts  Proposed management controls  Duration  Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?  Can the impacts be reversed?	Yes  Social Impacts: Any impacts which result in som disadvantaged (e.g. change to community facility the activity is not likely to result in some indivice the demand for community resources is low and small number of company employees and contribute local community.  > Comply with title conditions and relevant code Rehabilitation).  > Ongoing community and landholder consultated in the second seco	cies, services or laborates or laborates or communities of temporary. Use of fractors, and is not like of practice (Environates or managing possible of public concern?  Ranking of potential significance	s being significantly disadvantaged given local facilities and services is limited to a kely to compete with the demand from nmental Management and activity.  Stential social impacts or managing  No  Low  Low

Criteria	Social Impacts: Any impacts on the health, safety, privacy or welfare of individuals or communities caused by factors such as pollution, odour, noise, vibration, lighting, visual impacts, etc).			
Potential impacts	The activity is not likely to result in any impacts	The activity is not likely to result in any impacts on the health, safety, privacy or welfare of individuals or communities because of factors such as pollution, odour, noise, vibration, lighting, visual impacts given it is		
	undertaken in an isolated location away from se		ration, lighting, visual impacts given it is	
Proposed management controls	> Comply with title conditions and relevant code of practice (Environmental Management and Rehabilitation).			
	> Ongoing community and landholder consultat > Rehabilitation to occur as soon as practicable		activity	
	> Haverford will implement all relevant procedu complaints.	•	· · · · · · · · · · · · · · · · · · ·	
Duration	5			
Application ranking	Negligible		Γ	
What is the confidence in predicting impacts?	High	Are further studies	No	
paces.		required on		
		impacts or		
Have a silient in the consideration to	High Desilience	mitigation?	Law	
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public	Low	
cope with impacts.		concern?		
Can the impacts be reversed?	Yes	Ranking of	Low	
		potential significance		
Can the impacts be mitigated?	Fully	Justification for ra	 anking	
Do the operations comply with standards, plans, policies?	Yes		9	
Criteria Standards, plans, policies.	Social Impacts: Effect on a locality, place or buil	। ding having aesthet	ic, anthropological, archaeological,	
	architectural, cultural, historical, scientific or so generations?	cial significance or o	other special value for present or future	
Potential impacts	There are no known places or buildings having a	•	=	
	cultural, historical, scientific or social significance	·		
	the activity area. A sensitive area of a personal exclusion zone for all exploration activities. The		_	
Proposed management controls	> Comply with title conditions and relevant cod	· · · · · · · · · · · · · · · · · · ·		
	Rehabilitation).			
	> Ongoing community and landholder consultat		activity	
	<ul> <li>Rehabilitation to occur as soon as practicable after completion of activity.</li> <li>Haverford will implement all relevant procedures for managing potential social impacts or managing</li> </ul>			
	complaints.			
Duration	complaints.			
Application ranking	5 Negligible			
Application ranking What is the confidence in predicting	5	Are further	No	
Application ranking	5 Negligible	Are further studies	No	
Application ranking What is the confidence in predicting	5 Negligible	Are further	No	
Application ranking  What is the confidence in predicting impacts?	5 Negligible High	Are further studies required on impacts or mitigation?	No	
Application ranking What is the confidence in predicting	5 Negligible	Are further studies required on impacts or mitigation? What is the level of public	No	
Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?	5 Negligible High High High Resilience	Are further studies required on impacts or mitigation? What is the level of public concern?	Low	
Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to	5 Negligible High	Are further studies required on impacts or mitigation? What is the level of public		
Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?	5 Negligible High High High Resilience	Are further studies required on impacts or mitigation? What is the level of public concern?	Low	
Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?  Can the impacts be reversed?	5 Negligible High High High Resilience	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential	Low	
Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?  Can the impacts be reversed?	S Negligible High  High Resilience  Yes  Fully Yes	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	Low	
Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?  Can the impacts be reversed?  Can the impacts be mitigated?  Do the operations comply with standards, plans, policies?  Criteria	S Negligible High High  High Resilience  Yes  Fully	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance	Low	
Application ranking  What is the confidence in predicting impacts?  How resilient is the environment to cope with impacts?  Can the impacts be reversed?  Can the impacts be mitigated?  Do the operations comply with standards, plans, policies?	Social Impacts: Impacts on communities with st The activity is not likely to have an environment the community given it is undertaken in an isola	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for record sense of idential impact that may need location with management.	Low  Low  anking  ity.  cause substantial change or disruption to binimal interaction with the local	
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	Social Impacts: Impacts on communities with st The activity is not likely to have an environment the community given it is undertaken in an isola community. It would not result in any loss of face	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for record sense of idential impact that may need location with micilities or community	Low  Low  ity.  cause substantial change or disruption to binimal interaction with the local y links/identity.	
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	Social Impacts: Impacts on communities with st The activity is not likely to have an environment the community given it is undertaken in an isola community. It would not result in any loss of facts of the conditions and relevant cod Rehabilitation).	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for restal impact that may ated location with micilities or communitie of practice (Environment)	Low  Low  ity.  cause substantial change or disruption to binimal interaction with the local y links/identity.	
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	Fully Yes  Social Impacts: Impacts on communities with st The activity is not likely to have an environment the community given it is undertaken in an isola community. It would not result in any loss of factivity is not likely to have an environment the community given it is undertaken in an isola community. It would not result in any loss of factivity is not likely to have an environment the community given it is undertaken in an isola community. It would not result in any loss of factivity is not likely and landholder consultativity. Ongoing community and landholder consultativity is not likely and landholder consultativity. All landholder consultativity is not likely and landholder consultativity is not likely and landholder consultativity and landholder consultativity. All landholder consultativity is not likely and landholder consultativity and landholder consultativity and landholder consultativity is not likely and landholder consultativity. All landholder consultativity and	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for restal impact that may ated location with micilities or communitie of practice (Environmental signification) after completion of	Low  Low  anking  ity.  cause substantial change or disruption to ninimal interaction with the local y links/identity.  mmental Management and  activity.	
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	Fully Yes  Social Impacts: Impacts on communities with st The activity is not likely to have an environment the community given it is undertaken in an isola community. It would not result in any loss of factory is comply with title conditions and relevant cod Rehabilitation).  Ongoing community and landholder consultates Rehabilitation to occur as soon as practicable	Are further studies required on impacts or mitigation? What is the level of public concern? Ranking of potential significance Justification for restal impact that may ated location with micilities or communitie of practice (Environmental signification) after completion of	Low  Low  anking  ity.  cause substantial change or disruption to ninimal interaction with the local y links/identity.  mmental Management and  activity.	

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		
Courths invests he revenued?	Vaa	concern?	Law	
Can the impacts be reversed?	Yes	Ranking of	Low	
		potential significance		
Can the impacts be mitigated?	Fully	Justification for ra	nking	
Do the operations comply with	Yes	Justification for th	anking	
standards, plans, policies?	163			
Criteria	Social Impacts: Impacts on disadvantaged comm	nunities.		
Potential impacts	The activity is not likely to have an environment		cause substantial change or disruption to	
rotential impacts	the community given it is undertaken in an isola			
	community. It would not result in any loss of fac			
Proposed management controls	> Comply with title conditions and relevant cod			
rroposed management controls	Rehabilitation).	e of practice (Enviro	minental Management and	
	> Ongoing community and landholder consultat	ion		
	> Rehabilitation to occur as soon as practicable		activity.	
	> Haverford will implement all relevant procedu			
	complaints.			
Duration	5			
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		
		significance		
Can the impacts be mitigated?	Fully	Justification for ra	anking	
Do the operations comply with	Yes			
standards, plans, policies?	-			
Criteria	Economic Impacts: Any impacts which may affe	ct economic activity	(positive or negative), including a	
Patricital Consists	decrease to net economic welfare.	. Conditional and	and for the self-relation and the	
Potential impacts	Minimal increase in demand for accommodatio			
Duamasad managament controls	warrant significant changes in supply. This is a p > Ongoing community and landholder consultat		ipaci.	
Proposed management controls	> Ongoing community and landholder consultate > Haverford will implement all relevant procedu		otantial acanomic impacts or managing	
	complaints.	ires for managing po	otential economic impacts or managing	
Duration	5			
Application ranking	Positive			
What is the confidence in predicting		Are further	No	
	High	Are further studies	INU	
impacts?		required on		
		impacts or		
		mitigation?		
How resilient is the environment to	High Resilience	What is the	Low	
cope with impacts?	riigii kesiilerice	level of public	LOW	
cope with impacts:		concern?		
Can the impacts be reversed?	Yes	Ranking of	Low	
can the impacts be reversed:	163	potential	LOW	
		significance		
Can the impacts be mitigated?	Fully	Justification for ra	l anking	
Do the operations comply with	Yes	Justinication for fa	uning	
standards, plans, policies?				
Criteria	Economic Impacts: Any impacts that result in a	I decrease in the eco	nomic stability of the community	
	Economic Impacts: Any impacts that result in a decrease in the economic stability of the community.			
	Minimal increase in demand for accommodation, food, mechanical and fuel supplies but not large enough to			
Potential impacts	Minimal increase in demand for accommodatio			
Potential impacts	Minimal increase in demand for accommodatio warrant significant changes in supply. This is a p	ositive economic in		
	Minimal increase in demand for accommodatio	oositive economic in	npact.	
Potential impacts	Minimal increase in demand for accommodatio warrant significant changes in supply. This is a property of the consultation of t	oositive economic in	npact.	

Duration	5		
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	
		significance	
Can the impacts be mitigated?	Fully	Justification for ra	anking
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Economic Impacts: Any impacts which result in	a change to the nub	olic sector revenue or expenditure hase
			<u> </u>
Potential impacts	Minimal increase in demand for accommodation		
	warrant significant changes in supply. This is a p		npact.
Proposed management controls	> Ongoing community and landholder consultate		
	> Haverford will implement all relevant procedu	ures for managing p	otential economic impacts or managing
	complaints.		
Duration	5		
Application ranking	Positive		
What is the confidence in predicting	High	Are further	No
impacts?	111611	studies	140
impacts:			
		required on	
		impacts or	
		mitigation?	
How resilient is the environment to	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 he mitigated?	Eully		anking
Can the impacts be mitigated?	Fully	Justification for ra	anking
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Heritage Impacts: Any impacts on a locality, pla	ce, landscape, build	ling or archaeological relic of heritage
	significance.		
Potential impacts	There are no known historic heritage sites or ite	•	rea, or in the immediate surrounding
	area. Therefore, impacts are considered unlikel		
Proposed management controls	> Comply with title conditions and relevant cod	e of practice (Enviro	onmental Management).
	> Implement unexpected finds protocol for any	historic heritage ite	ems identified during the activity.
	> Haverford will implement all relevant procedu	res for managing p	otential heritage impacts or managing
	complaints.		
Duration	5		
Application ranking	Low Adverse		
		Ann for all a	No
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?	0 11 1 11	level of public	
		concern?	
Courthe immedia he verrand?	Voc		Low
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	Aesthetic Impacts: Any impacts on the visual or	scenic landscape. ir	ncluding lighting, venting or flaring of gas.
Potential impacts	Potential visual impacts are temporary and may	<u> </u>	5 5 5. 5
i otentiai iiripacts	> Temporary impact on aesthetics of the localit		
		•	aletala aratalara et et et e
	> Lighting during night time operations and use	от access tracks by	venicles at night may affect local amenity
	1. The second of the strength of the strength of the second of the se	on vicual or coonic	landscane given the isolated location of
	There is limited potential to significantly impact	. On visual of scenic	ianuscape given the isolated location of
	the activity.	. On visual of scenic	landscape given the isolated location

Proposed management controls	> Comply with title conditions and relevant code of practice (Environmental Management and Rehabilitation).     > Rehabilitation to occur as soon as practicable after completion of activity.     > Use of lighting to be limited to what is essential for safe operations during nightshift, and to be only directed towards drilling operations.     > Haverford will implement all relevant procedures for managing potential aesthetic impacts or managing complaints.			
Duration	5			
Application ranking	Low Adverse			
What is the confidence in predicting	High	Are further	No	
impacts?		studies required on impacts or mitigation?		
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public concern?	Low	
Can the impacts be reversed?	Yes	Ranking of potential significance	Low	
Can the impacts be mitigated?	Fully	Justification for r	anking	
Do the operations comply with standards, plans, policies?	Yes			
Criteria	Aesthetic Impacts: Areas or items of high aesthe	tic or sconic value		
Potential impacts	Potential visual impacts are temporary and may			
Potential impacts	> Temporary impact on aesthetics of the locality > Lighting during night time operations and use There is limited potential to significantly impact	y of access tracks by	,	
Proposed management controls	the activity.  > Comply with title conditions and relevant code of practice (Environmental Management and Rehabilitation).  > Rehabilitation to occur as soon as practicable after completion of activity.  > Use of lighting to be limited to what is essential for safe operations during nightshift, and to be only directed towards drilling operations.  > Haverford will implement all relevant procedures for managing potential aesthetic impacts or managing complaints.			
Duration	5			
Application ranking	Low Adverse			
What is the confidence in predicting impacts?	High	Are further studies required on impacts or mitigation?	No	
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public	Low	
· · ·		concern?		
Can the impacts be reversed?	Yes	Ranking of potential significance	Low	
Can the impacts be mitigated?	Fully	Justification for r	anking	
Do the operations comply with	Yes			
standards, plans, policies?	Cultural Impacts: Any disturbance of the ground		usally modified trace (o.g. a sear trac)	
Criteria	Cultural Impacts: Any disturbance of the ground Ground disturbance is proposed but is tempora	·	, , , , , , , , , , , , , , , , , , , ,	
Potential impacts	are no known culturally modified trees recorded AHIMS search dated 11/3/24 – nil Aboriginal sit From APO: The activity area is not subject to an Aboriginal objects and places within the activity The activity area does contain landscape feature. Aboriginal objects. Proceeding to Step 3 of the lactivity is located on land with landscape feature disturbed. The location of planned drilling within basis that it is that it has been subject to human clearing of vegetation for pastoral activities. The not required and the activity can proceed with the	es or places identifi y native title claims r area. es (i.e. within 200m Due Diligence proce res associated with in the activity area is a activity that remai erefore, proceeding	ed in the proposed drilling area.  According to AHIMS, there are no  of waters) that may be associated with ass is only required where the proposed Aboriginal object and on land that is not as considered to be disturbed land on the ans clear and observable, specifically a to Step 3 of the Due Diligence process is	

Proposed management controls	> Comply with title conditions and relevant co	de of practice (Enviro	onmental Management).	
	> Implement unexpected finds protocol for ar	. ,	<i>o</i> ,	
	> Haverford will implement all relevant proce	dures for managing p	otential Aboriginal heritage impacts or	
	managing complaints.			
Duration	5			
Application ranking	Low Adverse			
What is the confidence in predicting	High	Are further	No	
impacts?		studies		
		required on		
		impacts or		
How resilient is the environment to	High Resilience	mitigation? What is the	Medium	
cope with impacts?	Tilgit Nesilierice	level of public	Wediam	
cope with impacts.		concern?		
Can the impacts be reversed?	Yes	Ranking of	Low	
		potential		
		significance		
Can the impacts be mitigated?	Uncertain	Justification for r	anking	
Do the operations comply with	Yes			
standards, plans, policies?				
Criteria	Cultural Impacts: Any impacts on known Abor	iginal objects or Abor	iginal places.	
Potential impacts	According to AHIMS, there are no Aboriginal	bjects and places wit	hin the activity area.	
•			,	
	AHIMS search dated 11/3/24 – nil Aboriginal	sites or places identifi	ed in the proposed drilling area.	
	From APO: The activity area is not subject to	any native title claims	. According to AHIMS, there are no	
	Aboriginal objects and places within the activ	ty area.		
	The activity area does contain landscape feat	ures (i.e. within 200m	of waters) that may be associated with	
	Aboriginal objects. Proceeding to Step 3 of th			
	activity is located on land with landscape feat	ures associated with	Aboriginal object and on land that is not	
	disturbed. The location of planned drilling wit	hin the activity area i	s considered to be disturbed land on the	
	basis that it is that it has been subject to hum	an activity that remai	ns clear and observable, specifically	
	clearing of vegetation for pastoral activities. Therefore, proceeding to Step 3 of the Due Diligence process is			
	not required and the activity can proceed wit	h caution without app	olying for an AHIP.	
Proposed management controls	> Comply with title conditions and relevant co	de of practice (Enviro	onmental Management).	
	> Implement unexpected finds protocol for ar	ny Aboriginal heritage	items identified during the activity.	
	> Haverford will implement all relevant proce	dures for managing p	otential Aboriginal heritage impacts or	
	managing complaints.			
Duration	5			
Application ranking	Low Adverse			
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	Medium	
-				
cope with impacts?		level of public		
cope with impacts?		level of public concern?		
cope with impacts?  Can the impacts be reversed?	Yes	1	Low	
· · ·	Yes	concern?	Low	
· · ·	Yes	concern? Ranking of	Low	
· · ·	Yes Uncertain	concern?  Ranking of potential		
Can the impacts be reversed?		concern? Ranking of potential significance		
Can the impacts be reversed?  Can the impacts be mitigated?	Uncertain	concern? Ranking of potential significance		
Can the impacts be reversed?  Can the impacts be mitigated?  Do the operations comply with	Uncertain	concern? Ranking of potential significance Justification for r	anking	
Can the impacts be reversed?  Can the impacts be mitigated?  Do the operations comply with standards, plans, policies?  Criteria	Uncertain Yes  Cultural Impacts: Affects areas where the land	concern? Ranking of potential significance Justification for r	anking ate the likely presence of Aboriginal	
Can the impacts be reversed?  Can the impacts be mitigated?  Do the operations comply with standards, plans, policies?	Uncertain Yes  Cultural Impacts: Affects areas where the land objects.	concern? Ranking of potential significance Justification for r	anking  ate the likely presence of Aboriginal  of waters) that may be associated with	
Can the impacts be reversed?  Can the impacts be mitigated?  Do the operations comply with standards, plans, policies?  Criteria	Uncertain Yes  Cultural Impacts: Affects areas where the land objects.  The activity area does contain landscape feati	concern? Ranking of potential significance Justification for reduced scape features indications are specific to the control of	anking  ate the likely presence of Aboriginal  of waters) that may be associated with ass is only required where the proposed	
Can the impacts be reversed?  Can the impacts be mitigated?  Do the operations comply with standards, plans, policies?  Criteria	Uncertain Yes  Cultural Impacts: Affects areas where the land objects.  The activity area does contain landscape feat Aboriginal objects. Proceeding to Step 3 of th	concern? Ranking of potential significance Justification for r	anking  ate the likely presence of Aboriginal  of waters) that may be associated with ass is only required where the proposed Aboriginal object and on land that is not	
Can the impacts be reversed?  Can the impacts be mitigated?  Do the operations comply with standards, plans, policies?  Criteria	Uncertain Yes  Cultural Impacts: Affects areas where the land objects.  The activity area does contain landscape feat Aboriginal objects. Proceeding to Step 3 of th activity is located on land with landscape feat	concern? Ranking of potential significance Justification for r  dscape features indication for r  dscape fea	anking  ate the likely presence of Aboriginal  of waters) that may be associated with ass is only required where the proposed Aboriginal object and on land that is not as considered to be disturbed land on the	
Can the impacts be reversed?  Can the impacts be mitigated?  Do the operations comply with standards, plans, policies?  Criteria	Uncertain Yes  Cultural Impacts: Affects areas where the land objects.  The activity area does contain landscape feat: Aboriginal objects. Proceeding to Step 3 of th activity is located on land with landscape feat disturbed. The location of planned drilling with landscape feat disturbed.	concern? Ranking of potential significance Justification for r  dscape features indication for r  dscape fea	anking  ate the likely presence of Aboriginal  of waters) that may be associated with ass is only required where the proposed Aboriginal object and on land that is not as considered to be disturbed land on the ans clear and observable, specifically	
Can the impacts be reversed?  Can the impacts be mitigated?  Do the operations comply with standards, plans, policies?  Criteria	Uncertain Yes  Cultural Impacts: Affects areas where the land objects.  The activity area does contain landscape feat: Aboriginal objects. Proceeding to Step 3 of th activity is located on land with landscape feat disturbed. The location of planned drilling wit basis that it is that it has been subject to hum	Ranking of potential significance  Justification for reduced in the activity area in activity that remains the refore, proceeding where fore, proceeding the refore, proceeding the refore in a content of the refore, proceeding the refore in a content of the refore in t	anking  ate the likely presence of Aboriginal  of waters) that may be associated with ass is only required where the proposed Aboriginal object and on land that is not as considered to be disturbed land on the ans clear and observable, specifically a to Step 3 of the Due Diligence process is	
Can the impacts be reversed?  Can the impacts be mitigated?  Do the operations comply with standards, plans, policies?  Criteria	Uncertain  Yes  Cultural Impacts: Affects areas where the land objects.  The activity area does contain landscape feat: Aboriginal objects. Proceeding to Step 3 of th activity is located on land with landscape feat disturbed. The location of planned drilling with basis that it is that it has been subject to hum clearing of vegetation for pastoral activities. The location of pastoral activities.	Ranking of potential significance  Justification for reduced in the activity area in activity that remains the refore, proceeding where fore, proceeding the refore, proceeding the refore in a content of the refore, proceeding the refore in a content of the refore in t	anking  ate the likely presence of Aboriginal  of waters) that may be associated with ass is only required where the proposed Aboriginal object and on land that is not as considered to be disturbed land on the ans clear and observable, specifically a to Step 3 of the Due Diligence process is	
Can the impacts be reversed?  Can the impacts be mitigated?  Do the operations comply with standards, plans, policies?  Criteria	Uncertain  Yes  Cultural Impacts: Affects areas where the land objects.  The activity area does contain landscape feat: Aboriginal objects. Proceeding to Step 3 of th activity is located on land with landscape feat disturbed. The location of planned drilling wit basis that it is that it has been subject to hum clearing of vegetation for pastoral activities. In not required and the activity can proceed with	concern? Ranking of potential significance Justification for r  dscape features indicators (i.e. within 200me Due Diligence procedures associated with hin the activity area in an activity that remain therefore, proceeding in caution without approximation.	anking  ate the likely presence of Aboriginal  of waters) that may be associated with ass is only required where the proposed Aboriginal object and on land that is not as considered to be disturbed land on the ans clear and observable, specifically ato Step 3 of the Due Diligence process is allying for an AHIP.	
Can the impacts be reversed?  Can the impacts be mitigated?  Do the operations comply with standards, plans, policies?  Criteria  Potential impacts	Uncertain  Yes  Cultural Impacts: Affects areas where the land objects.  The activity area does contain landscape feat: Aboriginal objects. Proceeding to Step 3 of th activity is located on land with landscape feat disturbed. The location of planned drilling wit basis that it is that it has been subject to hum clearing of vegetation for pastoral activities. In not required and the activity can proceed wit AHIMS search dated 11/3/24 – nil Aboriginal services.	concern?  Ranking of potential significance  Justification for r  dscape features indicators (i.e. within 200me Due Diligence procedures associated with hin the activity area in an activity that remain therefore, proceeding in caution without apposites or places identifications.	anking  ate the likely presence of Aboriginal  of waters) that may be associated with ass is only required where the proposed Aboriginal object and on land that is not as considered to be disturbed land on the ans clear and observable, specifically ato Step 3 of the Due Diligence process is allying for an AHIP.  ed in the proposed drilling area.	
Can the impacts be reversed?  Can the impacts be mitigated?  Do the operations comply with standards, plans, policies?  Criteria	Uncertain  Yes  Cultural Impacts: Affects areas where the land objects.  The activity area does contain landscape feat Aboriginal objects. Proceeding to Step 3 of th activity is located on land with landscape feat disturbed. The location of planned drilling wit basis that it is that it has been subject to hum clearing of vegetation for pastoral activities. Inot required and the activity can proceed wit  AHIMS search dated 11/3/24 – nil Aboriginal second proceed with the conditions and relevant compared to the conditions are conditions and conditions are conditions are conditions.	Ranking of potential significance  Justification for restriction of the significance o	anking  of waters) that may be associated with the sis is only required where the proposed Aboriginal object and on land that is not is considered to be disturbed land on the inside and observable, specifically it of Step 3 of the Due Diligence process is ollying for an AHIP.  ed in the proposed drilling area.	
Can the impacts be reversed?  Can the impacts be mitigated?  Do the operations comply with standards, plans, policies?  Criteria  Potential impacts	Uncertain  Yes  Cultural Impacts: Affects areas where the land objects.  The activity area does contain landscape feat Aboriginal objects. Proceeding to Step 3 of th activity is located on land with landscape feat disturbed. The location of planned drilling wit basis that it is that it has been subject to hum clearing of vegetation for pastoral activities. Inot required and the activity can proceed wit AHIMS search dated 11/3/24 – nil Aboriginal Comply with title conditions and relevant complement unexpected finds protocol for an	concern? Ranking of potential significance Justification for r  discape features indicators (i.e. within 200m e Due Diligence procedures associated with hin the activity area if an activity that remains therefore, proceedings in caution without appoints or places identified of practice (Environty Aboriginal heritage	anking  of waters) that may be associated with the sis is only required where the proposed Aboriginal object and on land that is not is considered to be disturbed land on the inside and observable, specifically it of Step 3 of the Due Diligence process is olying for an AHIP.  ed in the proposed drilling area.  commental Management).  items identified during the activity.	
Can the impacts be reversed?  Can the impacts be mitigated?  Do the operations comply with standards, plans, policies?  Criteria  Potential impacts	Uncertain  Yes  Cultural Impacts: Affects areas where the land objects.  The activity area does contain landscape feat Aboriginal objects. Proceeding to Step 3 of th activity is located on land with landscape feat disturbed. The location of planned drilling wit basis that it is that it has been subject to hum clearing of vegetation for pastoral activities. Inot required and the activity can proceed wit  AHIMS search dated 11/3/24 – nil Aboriginal second proceed with the conditions and relevant compared to the conditions are conditions and conditions are conditions are conditions.	concern? Ranking of potential significance Justification for r  discape features indicators (i.e. within 200m e Due Diligence procedures associated with hin the activity area if an activity that remains therefore, proceedings in caution without appoints or places identified of practice (Environty Aboriginal heritage	anking  of waters) that may be associated with the sis is only required where the proposed Aboriginal object and on land that is not is considered to be disturbed land on the inside and observable, specifically it of Step 3 of the Due Diligence process is olying for an AHIP.  ed in the proposed drilling area.  commental Management).  items identified during the activity.	

Application ranking	Low Adverse		
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	Medium
cope with impacts?		level of public	
		concern?	
Can the impacts be reversed?	Yes	Ranking of	Low
can the impacts be reversed.	163	potential	LOW
		significance	
Can the impacts be mitigated?	Uncertain	Justification for ra	nking
·		Justilication for re	anking
Do the operations comply with	Yes		
standards, plans, policies?	Cultural lasarate. Affacts are a subject to resting		and land has a successful as init
Criteria	Cultural Impacts: Affects areas subject to native	title claims, indiger	lous land use agreements or joint
	management arrangements.		
Potential impacts	The activity area is not subject to any native titl		
Proposed management controls	> Comply with title conditions and relevant cod	e of practice (Enviro	nmental Management).
	> Implement unexpected finds protocol for any	Aboriginal heritage	items identified during the activity.
	> Haverford will implement all relevant procedu	ires for managing po	otential Aboriginal heritage impacts or
	managing complaints.		
Duration	5		
Application ranking	Low Adverse		
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	Medium
	Tilgii Nesilletice		Mediaiii
cope with impacts?		level of public	
		concern?	
Can the impacts be reversed?	Yes	Danking of	Low
and the miputes we reversed t	163	Ranking of	
and the impacts so reversed.	163	potential	
•	163	potential significance	
Can the impacts be mitigated?	Uncertain	potential	
Can the impacts be mitigated?  Do the operations comply with		potential significance	
Can the impacts be mitigated?	Uncertain Yes	potential significance Justification for ra	anking
Can the impacts be mitigated?  Do the operations comply with	Uncertain	potential significance Justification for ra	anking
Can the impacts be mitigated? Do the operations comply with standards, plans, policies?	Uncertain Yes	potential significance Justification for ra nities or areas subje	anking ect to land rights claims.
Can the impacts be mitigated?  Do the operations comply with standards, plans, policies?  Criteria	Uncertain Yes Cultural Impacts: Impacts on Aboriginal commu	potential significance Justification for ra nities or areas subje	anking ect to land rights claims.
Can the impacts be mitigated?  Do the operations comply with standards, plans, policies?  Criteria	Uncertain Yes  Cultural Impacts: Impacts on Aboriginal commu According to AHIMS, there are no Aboriginal ob	potential significance Justification for ra nities or areas subje jects and places wit	ect to land rights claims. hin the activity area.
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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?	Uncertain  Yes  Cultural Impacts: Impacts on Aboriginal commu According to AHIMS, there are no Aboriginal ob  AHIMS search dated 11/3/24 – nil Aboriginal sit From APO: The activity area is not subject to an Aboriginal objects and places within the activity The activity area does contain landscape featur Aboriginal objects. Proceeding to Step 3 of the activity is located on land with landscape featur disturbed. The location of planned drilling withi basis that it is that it has been subject to humar clearing of vegetation for pastoral activities. Th not required and the activity can proceed with  > Comply with title conditions and relevant cod > Implement unexpected finds protocol for any > Haverford will implement all relevant procedu managing complaints.  5 Low Adverse  High  High Resilience	potential significance  Justification for ran inties or areas subjects and places with establishment of the process of the process associated with eactivity that remain activity that remain erefore, proceeding caution without apple of practice (Environ Aboriginal heritage ares for managing process or mitigation?  Are further studies required on impacts or mitigation?  What is the level of public concern?	ect to land rights claims.  hin the activity area.  ed in the proposed drilling area.  According to AHIMS, there are no  of waters) that may be associated with ss is only required where the proposed Aboriginal object and on land that is not sconsidered to be disturbed land on the ns clear and observable, specifically to Step 3 of the Due Diligence process is lying for an AHIP. intems identified during the activity. otential Aboriginal heritage impacts or  No  Medium
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?	Uncertain  Yes  Cultural Impacts: Impacts on Aboriginal commu According to AHIMS, there are no Aboriginal ob  AHIMS search dated 11/3/24 – nil Aboriginal sit From APO: The activity area is not subject to an Aboriginal objects and places within the activity The activity area does contain landscape featur Aboriginal objects. Proceeding to Step 3 of the activity is located on land with landscape featur disturbed. The location of planned drilling withi basis that it is that it has been subject to humar clearing of vegetation for pastoral activities. Th not required and the activity can proceed with  > Comply with title conditions and relevant cod > Implement unexpected finds protocol for any > Haverford will implement all relevant procedu managing complaints.  5 Low Adverse  High  High Resilience	potential significance  Justification for rance  Justification for rance  Inities or areas subjects and places with the second places identified and places with the second place proces associated with the activity that remain activity area is activity that remain activity area is activity activity. Activity activity. Activity activity. Activity activity. Act	ect to land rights claims.  hin the activity area.  ed in the proposed drilling area.  According to AHIMS, there are no  of waters) that may be associated with ss is only required where the proposed Aboriginal object and on land that is not sconsidered to be disturbed land on the ns clear and observable, specifically to Step 3 of the Due Diligence process is lying for an AHIP. intems identified during the activity. otential Aboriginal heritage impacts or  No  Medium

Do the operations comply with	Yes			
standards, plans, policies?				
Criteria	Cultural Impacts: Impacts on areas or items of h		, archaeological, architectural, cultural,	
Detential impacts	heritage, historical, recreational or scientific val		Il ha ramayad as part of the activity. There	
Potential impacts	Ground disturbance is proposed but is temporary only. No trees will be removed as part of the activity. There are no known culturally modified trees recorded in the activity area.			
	AHIMS search dated 11/3/24 – nil Aboriginal sit	es or places identifi	ed in the proposed drilling area.	
	From APO: The activity area is not subject to an	•		
	Aboriginal objects and places within the activity			
	The activity area does contain landscape feature	•	·	
	Aboriginal objects. Proceeding to Step 3 of the Due Diligence process is only required where the proposed activity is located on land with landscape features associated with Aboriginal object and on land that is not			
	disturbed. The location of planned drilling withi		= -	
	basis that it is that it has been subject to humar	·		
	clearing of vegetation for pastoral activities. The	erefore, proceeding	to Step 3 of the Due Diligence process is	
	not required and the activity can proceed with o		·	
Proposed management controls	> Comply with title conditions and relevant code		<b>o</b> ,	
	> Implement unexpected finds protocol for any > Haverford will implement all relevant procedu			
	managing complaints.	ires for managing pr	otential Aboriginal heritage impacts of	
Duration	5			
Application ranking	Low Adverse			
What is the confidence in predicting	High	Are further	No	
impacts?		studies		
		required on		
		impacts or		
How resilient is the environment to	High Resilience	mitigation? What is the	Medium	
cope with impacts?	nigh Resilience	level of public	iviedium	
cope with impacts.		concern?		
Can the impacts be reversed?	Yes	Ranking of	Low	
·		potential		
		significance		
Can the impacts be mitigated?	Uncertain	Justification for ra	anking	
Do the operations comply with	Yes			
standards, plans, policies? Criteria	Land Use Impacts: Any major changes in land us	 	ment of other haneficial land uses	
	The activity would not result in any long term of			
Potential impacts	disturbed areas to their existing land use. The cl		9	
Proposed management controls	the exploration drilling.  > Comply with title conditions and relevant code	e of practice (Enviro	anmental Management and	
r oposed management controls	Rehabilitation).	e of practice (Enviro	minental Management and	
	> Comply with legislative requirement for landh	older access arrang	ements and compensation to limit any	
	potential impacts.			
	> Rehabilitation to occur as soon as practicable	after completion of	activity.	
	> Ongoing landholder consultation.			
	> Haverford will implement all relevant procedu complaints.	ires for managing po	otential land use impacts or managing	
Duration	5			
Application ranking	Negligible			
What is the confidence in predicting	High	Are further	No	
impacts?		studies		
		required on		
		impacts or		
Have reciliant in the considerance at the	High Deciliones	mitigation?	Law	
How resilient is the environment to cope with impacts?	High Resilience	What is the level of public	Low	
cope with impacts?		concern?		
Can the impacts be reversed?	Yes	Ranking of	Low	
		potential		
		significance		
Can the impacts be mitigated?	Fully	Fully Justification for ranking		
Do the operations comply with	Fully Yes	Justification for ra	anking	
Do the operations comply with standards, plans, policies?	Yes			
Do the operations comply with	Yes  Transportation Impacts: Substantial impacts on	existing transportal		
Do the operations comply with standards, plans, policies?	Yes	existing transportal	tion systems (road, rail, pedestrian) which	

Proposed management controls	> Comply with title conditions and relevant code	e of practice (Enviro	onmental Management ).
.,	> Comply with legislative requirement for landh	. ,	ς ,
	> Ongoing landholder and community consultat	ion.	
	> Haverford will implement all relevant procedu	ires for managing p	otential transport impacts or managing
	complaints.		
Duration	5		
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	
		significance	
Can the impacts be mitigated?	Fully	Justification for ra	anking
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Transportation Impacts: Impacts associated wit		
Potential impacts	Short term additional traffic during exploration		-
Proposed management controls	> Comply with title conditions and relevant code	e of practice (Enviro	onmental Management ).
	> Comply with legislative requirement for landh	older access arrang	ements.
	> Ongoing landholder and community consultat		
	> Haverford will implement all relevant procedu	ares for managing p	otential transport impacts or managing
	complaints.		
Duration	5		
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	
		significance	
Can the impacts be mitigated?	Fully	Justification for ra	anking
Do the operations comply with	Yes		
standards, plans, policies?			
Criteria	Consistency with applicable local strategic plann	ning statements, reg	gional strategic plans or district strategi
	plans.		
Potential impacts	The relevant strategic plan is the Central West a		
	Shire LGA. The activity is consistent with the pla		0 11
	included in the regional plan: "The NSW Government is committed to supporting the growth of the mining		
	sector across the critical minerals supply chain, through investments in exploration, mining, processing,		
	downstream industries, and circular economies	<u>".</u>	
Proposed management controls	Not required.		
Duration	5		
Application ranking	Positive	ı	
What is the confidence in predicting	High	Are further	No
impacts?		studies	
		required on	
		impacts or	
		mitigation?	
	High Resilience	What is the	Low
How resilient is the environment to	Thigh resilience		1
How resilient is the environment to cope with impacts?	The treatment of the tr	level of public	
cope with impacts?		concern?	
	Yes	concern? Ranking of	Low
cope with impacts?		concern? Ranking of potential	Low
cope with impacts?	Yes	concern? Ranking of potential significance	
cope with impacts?  Can the impacts be reversed?  Can the impacts be mitigated?		concern? Ranking of potential	
cope with impacts?  Can the impacts be reversed?	Yes	concern? Ranking of potential significance	

Criteria	Matters of National Environmental Significance: Impacts on MNES under the Commonwealth Environmental Protection and Biodiversity Conservation Act 1999:			
Potential impacts	A MNES search with a 5km buffer identified:			
·	a) 9 migratory species or their habitat may occur, including one species (Fork-tailed Swift) and its habitat that is likely to occur			
	b) 4 TEC that are Endangered or Critically Endar	ngered that may or a	are likely to occur, including:	
	- Weeping Myall Woodlands - Endangered			
	- Poplar Box Grassy Woodland on Alluvial Plains	_	Assisted Nicking Consolered Critically	
	- White Box-Yellow Box-Blakely's Red Gum Gras Endangered	ssy woodiand and D	erived Native Grassiand - Critically	
	- Grey Box (Eucalyptus microcarpa) Grassy Woodlands and Derived Native Grasslands of South-eastern			
	Australia - Endangered c) 31 Listed Threatened Species may or are likel	v to occur		
	d) Activity area is within 400-800km of Ramsar Wetlands			
	No significant adverse impact on any threatened species, threatened populations, threatened ecological			
	communities, or their habitats is anticipated to occur as a result of the proposed activity where all management measures in the APO and this REF are implemented and rehabilitation is completed. On the same basis, matters of national environmental significance (MNES) are not likely to be impacted by the			
				activity.
	Proposed management controls	Refer to mitigation measures for Vegetation and Threatened Species in this REF.		
	**BioNet records did not include any listed vulnerable or endangered threatened species in the activity area.			
	Vegetation clearing would be limited to groundcover only. No trees or shrubs would be removed. Topsoil will			
	be returned to the disturbed area to promote the establishment of local species in the soil seedbank.  No significant adverse impact on threatened species, threatened populations, threatened ecological communities, or their habitats is anticipated to occur where all management measures in this APO are			
	implemented and rehabilitation is completed. On the same basis, MNES are not likely to be impacted by the			
	activity.			
Duration	5			
Application ranking	Low Adverse		T	
What is the confidence in predicting	High	Are further studies	No	
impacts?		required on		
		impacts or		
		mitigation?		
How resilient is the environment to	High Resilience	What is the	Low	
cope with impacts?		level of public concern?		
Can the impacts be reversed?	Yes	Ranking of	Low	
·		potential		
		significance		
Can the impacts be mitigated?	Fully	Justification for r	anking	
Do the operations comply with	Yes			
standards, plans, policies? Criteria	Cumulative Impacts: Cumulative environmental	   effects with other	existing or likely future activities	
Potential impacts	Cumulative Impacts: Cumulative environmental effects with other existing or likely future activities.  There are no known or proposed major projects in the locality that the activity are likely to interact with in			
rotential impacts	such a way that it would result in an adverse cumulative impact. Other exploration activities may be			
	undertaken by Haverford concurrently, but will be done so in consultation with the landowner to ensure			
	impacts to their farming operations and amenity are minimised.			
Proposed management controls	> Ongoing landholder and community consultation to ensure cumulative impacts are identified and			
	managed.  > Ongoing review of Major Projects in NSW to ensure cumulative impacts are identified and managed.			
	> Consultation with Lachlan Shire Council if any		· · · · · · · · · · · · · · · · · · ·	
	cumulative impact with exploration activities.			
	> Haverford will implement all relevant procedures for managing potential cumulative impacts or managing			
	complaints.			
Duration Application ranking	5			
Application ranking What is the confidence in predicting	Low Adverse High Are further No			
impacts?	High	studies	110	
		required on		
		required on impacts or		
How resilient is the environment to	High Resilience	impacts or mitigation? What is the	Low	
	High Resilience	impacts or mitigation? What is the level of public	Low	
How resilient is the environment to cope with impacts?		impacts or mitigation? What is the level of public concern?		
How resilient is the environment to	High Resilience Yes	impacts or mitigation? What is the level of public concern? Ranking of	Low	
How resilient is the environment to cope with impacts?		impacts or mitigation? What is the level of public concern?		

Can the impacts be mitigated?	Fully	Justification for ranking
Do the operations comply with	Yes	
standards, plans, policies?		

FORM: Brief NonCEA (v3.4)

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