



Application for Works Approval Amendment

Part V Division 3 of the *Environmental Protection Act 1986*

Works Approval Number	W6391/2020/1
Works Approval Holder	Simcoa Operations Pty Ltd
ACN	009 064 653
File Number	DER2020/000164
Premises	Moora Quartzite Mine M70/191, G70/91, G70/92, G70/93, M70/1292 MOORA WA 6512.
Date of Report	6 August 2021
Decision	Revised works approval granted

MANAGER RESOURCE INDUSTRIES

an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)

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1. Decision summary

The Delegated Officer has determined to make amendments to Works Approval W6931/2020/1. The amendments are administrative in nature therefore they do not alter the risk profile of the Premises, providing that activities, emissions and receptors as stated in existing approvals remain unchanged.

This Amendment Report documents the amendments made pursuant to section 59 and 59(B) of the *Environmental Protection Act 1986* (EP Act).

The decision report for the Existing works approval will remain on the department's website for future reference and will act as a record of the department's decision making.

2. Scope of assessment

2.1 Regulatory framework

In amending the works approval, the department has considered and given due regard to its Regulatory Framework and relevant policy documents which are available at <https://dwer.wa.gov.au/regulatory-documents>.

2.2 Application summary

Works Approval W6391/2020/1 is held by Simcoa Operations Pty Ltd. (Works Approval Holder) for the Moora Quartzite Mine (the Premises), located at Mining Tenements M70/191, G70/91, G70/92, G70/93, M70/1292.

The Premises relates to the category and the assessed production capacity under Schedule 1 of the *Environmental Protection Regulations 1987* (EP Regulations) which are defined in existing Works Approval W6391/2020/1.

On May 12, 2021, the Works Approval Holder submitted an application to the department to amend Works Approval W6391/2020/1 under section 59B of the *Environmental Protection Act 1986* (EP Act). The amendment is related to the relocation of the approved dewatering discharge point. The current dewatering discharge point is located outside of the boundary of tenement M70/1292, going into the Kyaka Brook Creek, the proposed amendment is to relocate this point 47 metres upstream the Creek so that it sits within tenement M70/1292. The co-ordinates for the proposed discharge location are 407561.00 E, 6624881.00 N (GDA94/MGA zone 50).

The impact of emissions and discharges on the receiving environment has not been reassessed, as it is the same receiving environment. Rock pitching will be installed in the Creek to dissipate energy from the discharge. Figure 1 outlines the currently approved discharge point and Figure 2 outlines the proposed discharge point.

The Department has corrected an administrative error in Condition 8 of the works approval, where the incorrect condition has been referenced. Table 3 under Condition 8 has been updated to be consistent with Ministerial Statement 813 regarding the maximum amount of water discharge into the Kyaka Brook Creek.

Figure 1: Current approved discharge location

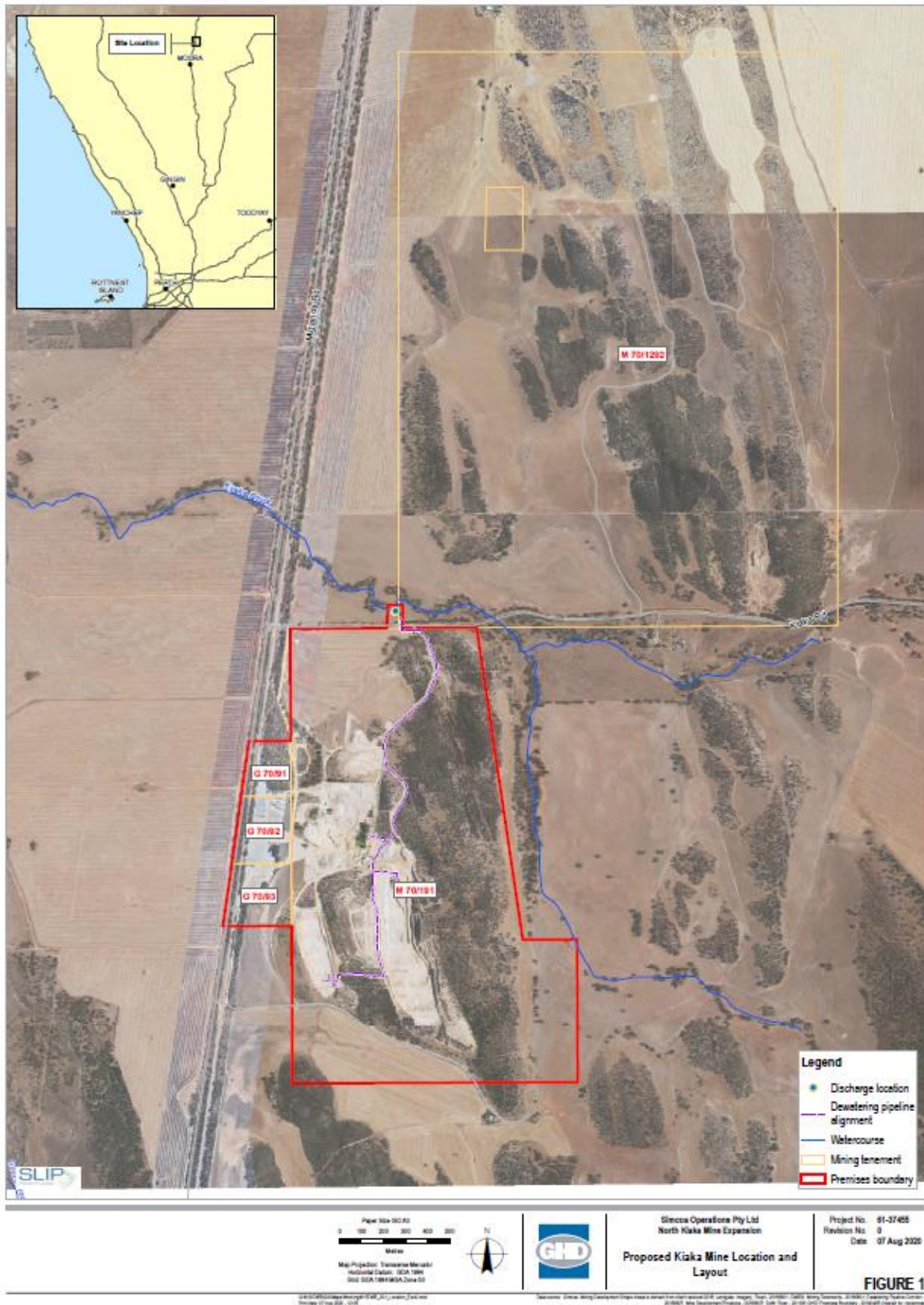
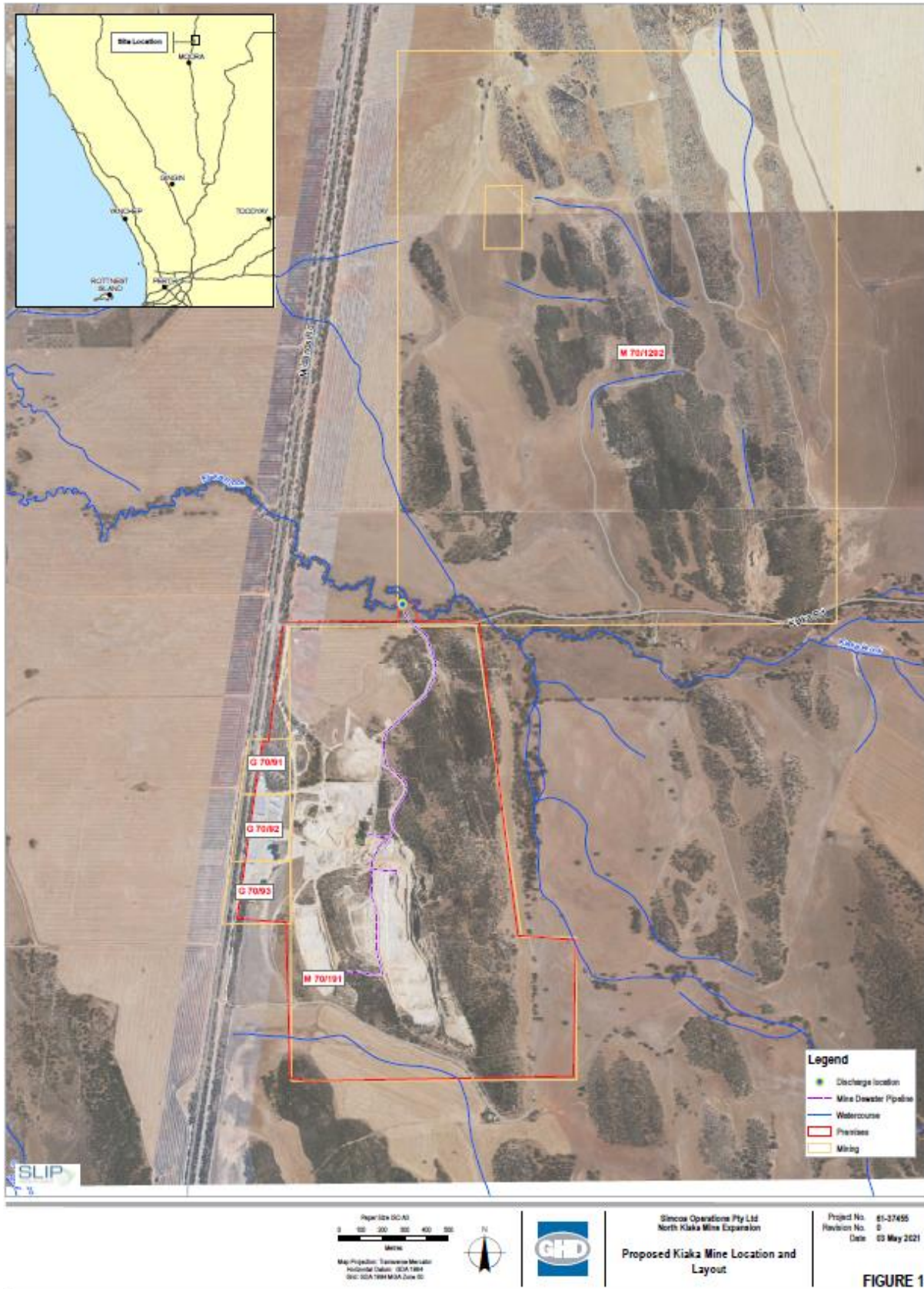


Figure 2: Proposed new discharge location



3. Consultation

The Works Approval Holder was provided with the draft Amendment Report on 05 August 2021. Comments received from the Works Approval Holder on 05 August 2021 have been considered by the Delegated Officer as detailed in Appendix 1.

4. Conclusion

Based on the assessment in this Amendment Report, the Delegated Officer has determined that an amended works approval will be granted, subject to conditions commensurate with the determined controls and necessary for administration and reporting requirements.

4.1 Summary of amendments

Table 1 below provides a summary of the proposed amendments and will act as a record of implemented changes. All proposed changes have been incorporated into the Revised works approval as part of the amendment process.

Table 1: Summary of works approval amendments

Condition no.	Proposed amendments
8	Updated administrative error, Condition 3 was incorrectly referenced. This has been corrected to Condition 1.
8 Table 3	Limit of 122,000 tpa has been added to condition 8 for dewatering discharge to the Kiaka Brook Creek. This limit is set in MS813 (revised 21/10/16).
Schedule 1: Maps Figure 1 and Figure 2	The maps have been updated and shows the new location of the dewatering discharge point.
Schedule 2: Co-ordinates. Table 6	Updated co-ordinates to reflect changes.

References

1. Department of Environment Regulation (DER) 2015, Guidance Statement: Setting Conditions, Perth, Western Australia.
2. Department of Water and Environmental Regulation (DWER) 2020, Guideline: Environmental Siting, Perth, Western Australia.
3. DWER 2020, Guideline: Risk Assessments, Perth, Western Australia.
4. Email titled "RE:WORKS APPROVAL AMENDMENT – W6391/2020/1", dated 12/05/2021 authored by Simcoa Operations Pty Ltd, available at DWER records (DWERDT451003).

Appendix 1: Summary of Works Approval Holder's comments on draft amendment

Condition	Summary of Works Approval Holder's comment	Department's response
N/A	Works Approval holder confirms they are satisfied with the Works Approval and are willing to waive the consultation period.	Noted The Department will waive the consultation period and issue the Works Approval.

Appendix 2: Application validation summary

SECTION 1: APPLICATION SUMMARY				
Application type				
Works approval	<input type="checkbox"/>			
Licence	<input checked="" type="checkbox"/>	Relevant works approval number:		None <input type="checkbox"/>
		Has the works approval been complied with?		Yes <input type="checkbox"/> No <input type="checkbox"/>
		Has time limited operations under the works approval demonstrated acceptable operations?		Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
		Environmental Compliance Report / Critical Containment Infrastructure Report submitted?		Yes <input type="checkbox"/> No <input type="checkbox"/>
		Date Report received:		
Renewal	<input type="checkbox"/>	Current licence number:		
Amendment to works approval	<input checked="" type="checkbox"/>	Current works approval number:	W6391/2020/1	
Amendment to licence	<input type="checkbox"/>	Current licence number:		
		Relevant works approval number:	N/A	<input type="checkbox"/>
Registration	<input type="checkbox"/>	Current works approval number:	None	<input type="checkbox"/>
Date application received		12 May 2021		
Applicant and Premises details				
Applicant name/s (full legal name/s)		Simcoa Operations Pty Ltd		
Premises name		Moora Quartzite Mine		
Premises location		Mining Tenements M70/191, G70/91, G70/92, G70/93 and M70/1292 Moora WA		
Local Government Authority		Shire of Moora		
Application documents				
HPCM file reference number:		DER2020/000164		
Key application documents (additional to application form):		<ul style="list-style-type: none"> • Excel sheet - Prescribed premises boundary coordinates Rev 1. • New Figures 1 and 2. Identifies the location of the proposed new dewatering discharge point. 		

Scope of application/assessment		
Summary of proposed activities or changes to existing operations.	<p>Works approval amendment:</p> <p>The approved dewatering discharge location identified in the works approval was shown to be outside of the premises boundary. Installation of the dewatering discharge point has not yet occurred, and the applicant proposes to reposition the proposed discharge point so it will be located within the boundary of the premises. The new location will be 46 meters upstream of the current approved location. Now other changes are required.</p> <p>Figures 1 and 2 in the works approval will need updating to show the new dewatering discharge location, and Schedule 2 coordinates will require updating.</p>	
Category number/s (activities that cause the premises to become prescribed premises)		
Table 1: Prescribed premises categories		
Prescribed premises category and description	Assessed production or design capacity	Proposed changes to the production or design capacity (amendments only)
Category 6: Mine dewatering	250,000 tonnes per year	No change to design capacity. Note: Limit of 122,000 tpa to be added to condition 8 for dewatering discharge to the Kiaka Brook Creek. This limit is set in MS813 (revised 21/10/16).
Legislative context and other approvals		
Has the applicant referred, or do they intend to refer, their proposal to the EPA under Part IV of the EP Act as a significant proposal?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Referral decision No: Managed under Part V <input type="checkbox"/> Assessed under Part IV <input checked="" type="checkbox"/> MS813, revised (45c) 21/10/2016 which included dewatering discharge to the Kiaka Brook Creek.
Does the applicant hold any existing Part IV Ministerial Statements relevant to the application?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Ministerial statement No: MS813 EPA Report No: Current S45c application with EPA to update the location of the dewatering discharge.
Has the proposal been referred and/or assessed under the EPBC Act?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Reference No:

<p>Has the applicant demonstrated occupancy (proof of occupier status)?</p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A</p>	<p>Certificate of title <input type="checkbox"/> General lease <input type="checkbox"/> Expiry: Mining lease / tenement <input type="checkbox"/> Expiry: Other evidence <input type="checkbox"/> Expiry:</p>
<p>Has the applicant obtained all relevant planning approvals?</p>	<p>Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/></p>	<p>Approval: Expiry date: If N/A explain why? Existing approvals in place.</p>
<p>Has the applicant applied for, or have an existing EP Act clearing permit in relation to this proposal?</p>	<p>Yes <input type="checkbox"/> No <input type="checkbox"/></p>	<p>CPS No: N/A No clearing is proposed.</p>
<p>Has the applicant applied for, or have an existing CAWS Act clearing licence in relation to this proposal?</p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>	<p>Application reference No: N/A Licence/permit No: N/A No clearing is proposed.</p>
<p>Has the applicant applied for, or have an existing RIWI Act licence or permit in relation to this proposal?</p>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>	<p>Application reference No: Licence/permit No: GWL 104693</p>
<p>Does the proposal involve a discharge of waste into a designated area (as defined in section 57 of the EP Act)?</p>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>	<p>Name: Jurien Groundwater Area Type: Proclaimed Groundwater Area Has Regulatory Services (Water) been consulted? Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Regional office: Mid-West Gascoyne. Approvals already in place.</p>
<p>Is the Premises situated in a Public Drinking Water Source Area (PDWSA)?</p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>	<p>Name: N/A Priority: P1 / P2 / P3 / N/A Are the proposed activities/landuse compatible with the PDWSA (refer to WQPN 25)? Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/></p>

Is the Premises subject to any other Acts or subsidiary regulations (e.g. <i>Dangerous Goods Safety Act 2004, Environmental Protection (Controlled Waste) Regulations 2004, State Agreement Act xxxx</i>)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Is the Premises within an Environmental Protection Policy (EPP) Area?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Is the Premises subject to any EPP requirements?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Is the Premises a known or suspected contaminated site under the <i>Contaminated Sites Act 2003</i> ?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Classification: N/A Date of classification: N/A
Direct interest stakeholders		
Shire of Moora	Letter to be sent	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
DMIRS	Letter to be sent	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

SECTION 2: RECEPTORS

The nearest town of Moora	Is approximately 15 km south of the Premises.
Human receptors	Distance from activity / prescribed premises
Homestead	1,200 m east of the premises
Environmental receptors	Distance from activity / prescribed premises
Kiaka Brook Creek extends east and north of the Mine, flowing in a northwest direction where it terminates in the Coonderoo River Wetlands. The Creek has a well-defined course with banks up to a meter deep. Water flows are seasonal and episodic, characterised by fast flowing water and short-lived pools.	Dewatering discharge directly into the Kiaka Brook Creek
The Coonderoo River Wetlands. The system is a historic saline wetland system made up of a main channel as well as a series of periodic ponds and wetlands.	Located approximately 4.5 km northwest of the Mine.
Underlying groundwater (non-potable purposes)	The standing water level of the surficial aquifer in the vicinity of the Premises is between 11 metres and 22 metres below ground level.
Riparian vegetation	At and downstream of the discharge location.