

Permit

Environmental Protection Act 1994

Environmental authority EPVL00947013

This environmental authority is issued by the administering authority under Chapter 5 of the Environmental Protection Act 1994.

Environmental authority number: EPVL00947013

Environmental authority takes effect on 27 September 2023

Environmental authority holder(s)

Name(s)	Registered address
South Queensland Lime Pty Ltd	Level 14, 1 Collins Street MELBOURNE VIC 3000

Environmentally relevant activity and location details

Environmentally relevant activity/activities	Location(s)
Non-Scheduled - Mining Activity – Mining Lease (ML)	ML50143, ML50224

Additional information for applicants

Environmentally relevant activities

The description of any environmentally relevant activity (ERA) for which an environmental authority (EA) is issued is a restatement of the ERA as defined by legislation at the time the EA is issued. Where there is any inconsistency between that description of an ERA and the conditions stated by an EA as to the scale, intensity or manner of carrying out an ERA, the conditions prevail to the extent of the inconsistency.

An EA authorises the carrying out of an ERA and does not authorise any environmental harm unless a condition stated by the EA specifically authorises environmental harm.

A person carrying out an ERA must also be a registered suitable operator under the *Environmental Protection Act 1994* (EP Act).

Contaminated land

It is a requirement of the EP Act that an owner or occupier of contaminated land give written notice to the administering authority if they become aware of the following:

- the happening of an event involving a hazardous contaminant on the contaminated land (notice must be given within 24 hours); or
- a change in the condition of the contaminated land (notice must be given within 24 hours); or
- a notifiable activity (as defined in Schedule 3) having been carried out, or is being carried out, on the contaminated land (notice must be given within 20 business days)

that is causing, or is reasonably likely to cause, serious or material environmental harm.

For further information, including the form for giving written notice, refer to the Queensland Government website www.qld.gov.au, using the search term 'duty to notify'.

Take effect

Please note that, in accordance with section 200 of the EP Act, an EA has effect:

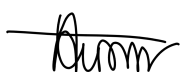
- a) if the authority is for a prescribed ERA and it states that it takes effect on the day nominated by the holder of the authority in a written notice given to the administering authority - on the nominated day; or
- b) if the authority states a day or an event for it to take effect-on the stated day or when the stated event happens; or
- c) otherwise on the day the authority is issued.

However, if the EA is authorising an activity that requires an additional authorisation (a relevant tenure for a resource activity, a development permit under the *Planning Act 2016* or an SDA Approval under the *State Development and Public Works Organisation Act 1971*), this EA will not take effect until the additional authorisation has taken effect.

If this EA takes effect when the additional authorisation takes effect, you must provide the administering authority written notice within 5 business days of receiving notification of the related additional authorisation taking effect.

The anniversary day of this environmental authority is the same day each year as the original take effect date unless you apply to change the anniversary day. The payment of the annual fee will be due each year on this day.

If you have incorrectly claimed that an additional authorisation is not required, carrying out the ERA without the additional authorisation is not legal and could result in your prosecution for providing false or misleading information or operating without a valid environmental authority.



Signature

29 September 2023

Date

Ayla Turner
Department of Environment and Science
Delegate of the administering authority
Environmental Protection Act 1994

Enquiries:
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Phone: (07) 4222 5352
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Privacy statement

Pursuant to section 540 of the EP Act, the Department is required to maintain a register of certain documents and information authorised under the EP Act. A copy of this document will be kept on the public register. The register is available for inspection by members of the public who are able take extracts, or copies of the documents from the register. Documents that are required to be kept on the register are published in their entirety, unless alteration is required by the EP Act. There is no general discretion allowing the Department to withhold documents or information required to be kept on the public register. For more information on the Department's public register, search 'public register' at www.qld.gov.au. For queries about privacy matters please email privacy@des.qld.gov.au or telephone 13 74 68.

Obligations under the *Environmental Protection Act 1994*

In addition to the requirements found in the conditions of this environmental authority, the holder must also meet their obligations under the EP Act, and the regulations made under the EP Act. For example, the holder must comply with the following provisions of the Act:

- general environmental duty (section 319)
- duty to notify environmental harm (section 320-320G)
- offence of causing serious or material environmental harm (sections 437-439)
- offence of causing environmental nuisance (section 440)
- offence of depositing prescribed water contaminants in waters and related matters (section 440ZG)
- offence to place contaminant where environmental harm or nuisance may be caused (section 443)

Other permits required

This permit only provides an approval under the *Environmental Protection Act 1994*. In order to lawfully operate you may also require permits / approvals from your local government authority, other business units within the department and other State Government agencies prior to commencing any activity at the site. For example, this may include permits / approvals with your local Council (for planning approval), the Department of Transport and Main Roads (to access state controlled roads), the Department of Resources (to clear vegetation), and the Department of Agriculture and Fisheries (to clear marine plants or to obtain a quarry material allocation).

Conditions of environmental authority

With the exception of any varied conditions listed below, the conditions of approval for this environmental authority are the standard condition G1 below and the eligibility criteria and standard conditions contained within the attached document titled:

- Eligibility criteria and standard conditions for mining lease activities – Version 2

G1 All reasonable steps must be taken to ensure the activity complies with the eligibility criteria and standard conditions.

Varied conditions of environmental authority

Schedule D - Water

D1	Notwithstanding standard condition B8 of the Eligibility criteria and standard conditions for mining lease activities – Version 2, releases to water of settled stormwater is permitted where undertaken in accordance with the conditions of this environmental authority.																											
D2	The following information must be recorded for all surface water monitoring: a) the date on which the sample or in-situ record was taken; b) the time at which the sample or in-situ record was taken; c) the location co-ordinates and description of the monitoring point at which the sample was taken; d) the flow rate in the receiving environment at the time of sampling; e) the results of all monitoring; and f) details of any exceedances of the conditions of this environmental authority.																											
D3	The following information must be recorded for all monitoring undertaken at the location of any release to waters: a) all information required by condition D2; b) the measured or estimated daily quantity of water released; and c) the release flow rate at the time of sampling.																											
D4	Water monitoring data required under this environmental authority must be provided to the administering authority in the specified electronic format via the Queensland Government's Water Tracking and Electronic Reporting System (WaTERS).																											
D5	Contaminants must only be released to waters: a) from the release points in Table D1: Authorised release points, sources and receiving waters as depicted in Figure E1: Proposed surface water quality locations; and b) in accordance with the release requirements specified in Table D1: Authorised release points, sources and receiving waters. SCHEDULE D - Table D1: Authorised release points, sources and receiving waters <table><tr><th rowspan="2">Release point (RP)</th><th colspan="2">Location (GDA94, zone 56)</th><th rowspan="2">Contaminant source and location</th><th rowspan="2">Monitoring point</th><th rowspan="2">Receiving waters</th><th rowspan="2">Minimum receiving water flow criteria for discharge (ML/day)</th><th rowspan="2">Maximum daily release volume (ML/day)</th><th rowspan="2">Monitoring Frequency</th></tr><tr><th>Easting</th><th>Northing</th></tr><tr><td>SB1</td><td>353935.09</td><td>686390.955</td><td>Water accumulating in the</td><td>Canal Gully</td><td>Macintyre Brook</td><td>2</td><td>0.25</td><td>At the commencement of</td></tr></table>								Release point (RP)	Location (GDA94, zone 56)		Contaminant source and location	Monitoring point	Receiving waters	Minimum receiving water flow criteria for discharge (ML/day)	Maximum daily release volume (ML/day)	Monitoring Frequency	Easting	Northing	SB1	353935.09	686390.955	Water accumulating in the	Canal Gully	Macintyre Brook	2	0.25	At the commencement of
Release point (RP)	Location (GDA94, zone 56)		Contaminant source and location	Monitoring point	Receiving waters	Minimum receiving water flow criteria for discharge (ML/day)	Maximum daily release volume (ML/day)	Monitoring Frequency																				
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SB1	353935.09	686390.955	Water accumulating in the	Canal Gully	Macintyre Brook	2	0.25	At the commencement of																				

				extraction pit from direct rainfall, surface water runoff, surface water infiltration	Unnamed stream before connecting with Canal Gully	Macintyre Brook	2	0.25	release (the first sample must be taken within two hours of commencement of release), daily for the first seven days, and weekly following.*																														
*For all parameters except for TSS which must be sampled at the commencement of the release only.																																							
D6	At the release points specified in Table D1: Authorised release points, sources and receiving waters releases to waters must not exceed the release limits specified for the relevant receiving waters in Table D2: Release and Trigger limits; SCHEDULE D - Table D2: Release and Trigger limits <table><tr><th>Quality characteristic</th><th>Unit</th><th>Release limits</th><th>Trigger limits</th><th>Limit type</th></tr><tr><td>Electrical conductivity</td><td>µS/cm</td><td>700¹</td><td>290²</td><td>Maximum</td></tr><tr><td>pH</td><td>pH units</td><td>7.5 – 8.5¹</td><td></td><td>Range</td></tr><tr><td>Dissolved Oxygen</td><td>%</td><td>60¹</td><td></td><td>Minimum</td></tr><tr><td>Turbidity</td><td>NTU</td><td>50¹</td><td>9²</td><td>Maximum</td></tr><tr><td>Total Suspended Solids (TSS)</td><td>mg/L</td><td>No limit</td><td></td><td>Interpretation purposes</td></tr></table> 1. For aquatic ecosystem protection, based on moderately disturbed ecosystems provided in Border rivers and Moonie river basins surface waters – Traprock with consideration of dilution modelling of the receiving environment 2. For aquatic ecosystem protection, based on moderately disturbed ecosystems provided in Border rivers and Moonie river basins surface waters									Quality characteristic	Unit	Release limits	Trigger limits	Limit type	Electrical conductivity	µS/cm	700 ¹	290 ²	Maximum	pH	pH units	7.5 – 8.5 ¹		Range	Dissolved Oxygen	%	60 ¹		Minimum	Turbidity	NTU	50 ¹	9 ²	Maximum	Total Suspended Solids (TSS)	mg/L	No limit		Interpretation purposes
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D7	Release of contaminants to waters must be measured: a) at the release points specified in Table D1: Authorised release points, sources and receiving waters; b) at the monitoring frequency specified in Table D1: Authorised release points, sources and receiving waters; and c) for each quality characteristic specified in Table D2: Release and Trigger limits.																																						

D8	The volume of water released from each release point must also be measured and recorded as mega litres per day (ML/day).					
D9	Receiving water flows must be measured at the gauging station location specified in Table D3: Gauging station					
D10	Receiving waters flows must be recorded at the frequency in Table D3: Gauging stations					
	SCHEDULE D - Table D3: Gauging stations					
	Receiving waters	Release point(s) (SB)	Gauging station	Gauging station location (GDA94, zone56)		Receiving water flow recording frequency
			Easting	Northing		
	Macintyre Brook	SB1 and SB2	Gauging Station 1	356417.00	6863245.00	Continuous (minimum daily mean).
D11	Gauging station in Table D3: Gauging stations must be installed, operated, and maintained.					
D12	If the release limits in Table D2: Release and Trigger limits or flow criteria in Table D1: Authorised release points, sources and receiving waters are contravened during a release the holder of the environmental authority must: a) immediately cease discharge and notify the administering authority, in writing, within twenty-four (24) hours of receiving the result; and b) notify the administering authority via pollution hotline within 24 hours of receiving the results.					
D13	The following information must be recorded in relation to all authorised release monitoring required under the conditions of this environmental authority and submitted to the administering authority on request: a) the results of the monitoring; b) the date on which the sample or monitoring was undertaken; c) the time at which the sample or monitoring was undertaken; d) the monitoring point, including spatial coordinates, at which the sample or monitoring was undertaken; e) the measured or estimated daily quantity of contaminants released from all release points; f) the release flow rate at the time of sampling for each release point; g) receiving water flow at the time of release; h) the details of the laboratory organisation which analysed the sample; and i) the details of any exceedances of the conditions of this environmental authority					
D14	The controlled release of treated stormwater must be conducted in a way and at a rate that does not cause: a) re-suspension of particles; or b) erosion of bed or banks of receiving waters; or c) landscape damage; or d) ponding of the water; or					

	e) vegetation damage.														
D15	The environmental authority holder must, within twenty-eight (28) days of a release that is not compliant with the conditions of this environmental authority, provide a report to the administering authority detailing: a) the reason for the release; b) the location of the release; c) the total volume of the release and which (if any) part of this volume was non-compliant; d) the total duration of the release and which (if any) part of this period was non-compliant; e) all water quality monitoring results (including all laboratory analysis); f) identification of any environmental harm as a result of the non-compliance; g) all calculations; and h) any other matters pertinent to the water release event.														
D16	If a water quality characteristic measured at a compliance site specified in Table D4 exceeds any trigger limit specified in Table D2, the environmental authority holder must compare the result to the applicable reference monitoring point specified in Table D4 and: a) if the level of contaminants at the impacted site does not exceed the reference monitoring site data, then no action is to be taken; or b) where the downstream results exceed the limit specified Table D2, potential contaminants for any quality characteristic, compare the results of the downstream site to the data from background monitoring sites and I. if the result is less than the background monitoring site data, then no action is to be taken, or II. if the result is greater than the background monitoring site data, complete an investigation into the potential for environmental harm and provide a written report to the administering authority within 90 days of receiving the result, outlining: 1. details of the investigations carried out; and 2. actions taken to prevent environmental harm. SCHEDULE D - Table D4: Receiving water upstream background sites and downstream monitoring points <table><tr><th rowspan="2">Monitoring point</th><th rowspan="2">Purpose</th><th rowspan="2">ID</th><th rowspan="2">Receiving waters location description</th><th colspan="2">Monitoring Point Location (GDA94, zone 56)</th></tr><tr><th>Easting</th><th>Northing</th></tr><tr><td>Upstream background monitoring point</td><td>Background reference location upstream of SB1 situated within Canal Gully (only when SB1 is releasing).</td><td>US1</td><td>Canal Gully</td><td>353881.55</td><td>6864144.24</td></tr></table>	Monitoring point	Purpose	ID	Receiving waters location description	Monitoring Point Location (GDA94, zone 56)		Easting	Northing	Upstream background monitoring point	Background reference location upstream of SB1 situated within Canal Gully (only when SB1 is releasing).	US1	Canal Gully	353881.55	6864144.24
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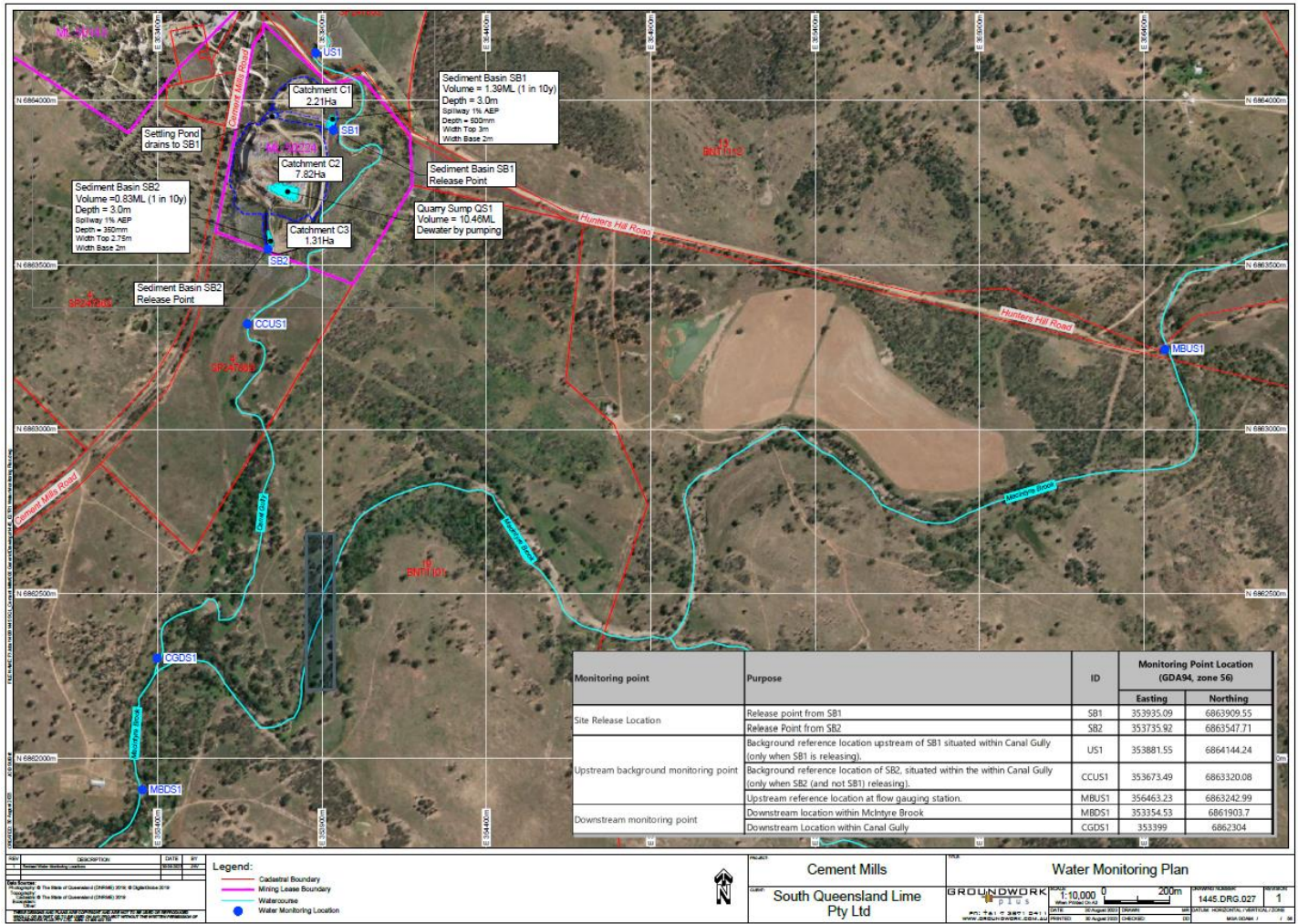
		Background reference location of SB2, situated within the within Canal Gully (only when SB2 (and not SB1) releasing).	CCUS1	Canal Gully	353673.49	6863320.08
		Upstream reference location at flow gauging station.	MBUS1	Macintyre Brook upstream of confluence with Canal Gully	356463.23	6863242.99
	Downstream monitoring point	Downstream location within McIntyre Brook	MBDS1	Macintyre Brook downstream of confluence with Canal Gully	353354.53	6861903.70
		Downstream Location within Canal Gully	CGDS1	Canal Gully downstream	353399.00	6862304.00
D17	Receiving Environment Monitoring Program (REMP) By 15 December 2023, a Receiving Environment Monitoring Program Design Document must be prepared in accordance with the latest version of the administering authority's guideline <i>Receiving environment monitoring program (ESR/2016/2399)</i>. For the purposes of the REMP, the receiving environment is the waters of Canal Gully and the waters of the Macintyre Brook downstream of the site. The REMP must encompass any sensitive receiving waters or environmental values within the area of the site that will potentially be affected by releases of sediment water.					
D18	By 15 December 2023, the Receiving Environment Monitoring Program Design Document must be submitted to the administering authority and due consideration must be given to any comments made by the administering authority on the Receiving Environment Monitoring Program Design Document.					
D19	The Receiving Environment Monitoring Program Design Document must be reviewed by an appropriately qualified person every three (3) years after the date in condition D18 to ensure that any potential environmental impacts due to changes in the carrying out of the activity are monitored and made available to the administering authority on request.					
D20	The Receiving Environment Monitoring Program must at a minimum: a) monitor, identify and describe any adverse impacts to surface water environmental values, quality, and flows; b) assess the long-term condition or state of surface waters;					

	c) include the locations listed in Table D4: Receiving water upstream background sites and downstream monitoring points; d) identify and describe all environmental values of the receiving environment, including semi-permanent, permanent water holes and refugia. e) assess the receiving environment monitoring against surface water quality objectives in Table D2; f) include an assessment of the potential impacts of the activity and propose appropriate mitigation measures; g) apply procedures and other relevant standards and guideline documents; h) describe sampling and analysis methods and quality assurance and control; and i) incorporate stream flow and hydrological information in the interpretations of water quality.
D21	A Receiving Environment Monitoring Program report, including all monitoring results and any interpretations or assumptions relied upon, must be prepared, on 1 November each year and made available to the administering authority on request.
D22	The Receiving Environment Monitoring Program report required by condition D21 must: a) Be prepared by an appropriately qualified person; and b) Outline the findings of the REMP, including but not limited to: I. An assessment of long-term background water quality; II. An assessment of the long-term condition or state of surface waters; III. An assessment of any investigations and the findings completed under condition D16. IV. Suitability of current release limits to protect downstream environmental values; V. Recommendations for further investigation; VI. Recommendations for changes or improvements to the monitoring program; and VII. Potential changes to management and conditioning of the authorised activity to minimise impacts.

END OF SCHEDULE D

Schedule E - Maps

Figure E1: Proposed surface water quality locations



Definitions

Key terms and/or phrases used in this document are defined in this section. Where a term is not defined, the definition in the *Environmental Protection Act 1994*, its regulations or environmental protection policies must be used. If a word remains undefined it has its ordinary meaning.

"administering authority" means the chief executive of the agency administering the Environmental Protection Act 1994.

"appropriately qualified person" means a person who has professional qualifications, training, skills or experience relevant to the nominated subject matter and can give authoritative assessment, advice and analysis on performance relative to the subject matter using the relevant protocols, standards, methods or literature.

"assessed" and "assessment" by a suitably qualified and experienced person in relation to a hazard assessment of a dam/structure, means that a statutory declaration has been made by that person and, when taken together with any attached or appended documents referenced in that declaration, all of the following aspects are addressed and are sufficient to allow an independent audit of the assessment:

- a) exactly what has been assessed and the precise nature of that determination;
- b) the relevant legislative, regulatory and technical criteria on which the assessment has been based;
- c) the relevant data and facts on which the assessment has been based, the source of that material, and the efforts made to obtain all relevant data and facts; and
- d) the reasoning on which the assessment has been based using the relevant data and facts, and the relevant criteria.

"certification", "certifying" or "certified" by a suitably qualified and experienced person in relation to a design plan or an annual report regarding dams/structures, means that a statutory declaration has been made by that person and, when taken together with any attached or appended documents referenced in that declaration, all of the following aspects are addressed and are sufficient to allow an independent audit at any time:

- a) exactly what is being certified and the precise nature of that certification;
- b) the relevant legislative, regulatory and technical criteria on which the certification has been based;
- c) the relevant data and facts on which the certification has been based, the source of that material, and the efforts made to obtain all relevant data and facts; and
- d) the reasoning on which the certification has been based using the relevant data and facts, and the relevant criteria.

"contaminant" A contaminant can be a gas, liquid or solid; or an odour; or an organism (whether alive or dead), including a virus; or energy, including noise, heat, radioactivity and electromagnetic radiation; or a combination of contaminants

"contaminated" means the substance has come into contact with a contaminant.

"EC" means electrical conductivity.

"effluent" treated waste water released from sewage treatment plants.

"environmental authority" means environmental authority under the Environmental Protection Act 1994.

"flow event" means a surface water flow in a drainage feature or watercourse that occurs as a result of rainfall.

"holder of this environmental authority" means any person who is the holder of, or is acting under, that environmental authority.

"µg/L" means micrograms per litre.

"mg/L" means milligrams per litre.

"ML" means Megalitres.

"receiving environment" means all groundwater, surface water, land, and sediments that are not disturbed areas authorised by this environmental authority.

"receiving waters" means all groundwater and surface water that are not disturbed areas authorised by this environmental authority.

"reference site" (or analogue site) may reflect the original location, adjacent area or another area where rehabilitation success has been completed for a similar biodiversity. Details of the reference site may be as photographs, computer generated images and vegetation models etc.

"release event" means a surface water discharge from water storages or contaminated areas on the licensed place.

"waste water" means used water from the activity, process water or contaminated storm water.

"watercourse" means a river, creek or stream in which water flows permanently or intermittently in a visibly defined channel (natural, artificial or artificially improved) with:

- a) continuous bed and banks;
- b) an extended period of flow for some months after rain ceases, and
- c) an adequacy of flow that sustains basic ecological processes and maintains biodiversity.

"water quality" means the chemical, physical and biological condition of water.

"waters" includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, unconfined water natural or artificial watercourse, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea), stormwater channel, stormwater drain, and groundwater and any part thereof.

"wet season" means the time of year, covering one or more months, when most of the average annual rainfall in a region occurs. For the purposes of DSA determination this time of year is deemed to extend from 1 November in one year to 31 May in the following year inclusive.

Attachments

- Eligibility criteria and standard conditions for mining lease activities – Version 2

END OF ENVIRONMENTAL AUTHORITY