

Permit

Environmental Protection Act 1994

Environmental authority EA0001480

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

Environmental authority number: EA0001480

Environmental authority takes effect on 26 February 2020.

The anniversary date of this environmental authority is the 19 December each year. The payment of the annual fee will be due each year on this day.

Environmental authority holder(s)

Name(s)	Registered address
HY-TEC INDUSTRIES (QUEENSLAND) PTY LTD	42-48 Fishermans Road MAROOCHYDORE QLD 4558

Environmentally relevant activity and location details

Environmentally relevant activity/activities	Location(s)
ERA 16 - Extraction and Screening - 2(b) - Extracting, other than by dredging, in a year, the following quantity of material - more than 100,000t but not more than 1,000,000t	220/SP250792
ERA 16 - Extraction and Screening - 3(b) - Screening, in a year, the following quantity of material - more than 100,000t but not more than 1,000,000t	220/SP250792
ERA 16 - Extraction and Screening - 2(b) - Extracting, other than by dredging, in a year, the following quantity of material - more than 100,000t but not more than 1,000,000t	225/CA31641
ERA 16 - Extraction and Screening - 3(b) - Screening, in a year, the following quantity of material - more than 100,000t but not more than 1,000,000t	225/CA31641
ERA 16 - Extraction and Screening - 2(b) - Extracting, other than by dredging, in a year, the following quantity	226/CA31641

Environmentally relevant activity/activities	Location(s)
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ERA 16 - Extraction and Screening - 3(b) - Screening, in a year, the following quantity of material - more than 100,000t but not more than 1,000,000t	236/SP260138
ERA 16 - Extraction and Screening - 2(b) - Extracting, other than by dredging, in a year, the following quantity of material - more than 100,000t but not more than 1,000,000t	236/SP260138
ERA 16 - Extraction and Screening - 3(b) - Screening, in a year, the following quantity of material - more than 100,000t but not more than 1,000,000t	246/CA31773
ERA 16 - Extraction and Screening - 2(b) - Extracting, other than by dredging, in a year, the following quantity of material - more than 100,000t but not more than 1,000,000t	246/CA31773

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.

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

24/01/2022

Date

Derek Robson
Department of Environment and Science
Delegate of the administering authority
Environmental Protection Act 1994

Enquiries:
Permits and Licensing/Regulatory Support
Department of Environment and Science
GPO Box 2454, Brisbane QLD 4000
Tel: 1300 130 372 (option 4)
Email: palm@des.qld.gov.au

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).

Obligations under the *Mining and Quarrying Safety and Health Act 1999*

If you are operating a quarry, other than a sand and gravel quarry where there is no crushing capability, you will be required to comply with the *Mining and Quarrying Safety and Health Act 1999*. For more information on your obligations under this legislation contact Mine Safety and Health at <https://www.rshq.qld.gov.au/>, or phone 13 QGOV (13 74 68) or your local Mines Inspectorate Office.

Development Approval

This permit is not a development approval under the *Planning Act 2016*. The conditions of this environmental authority are separate, and in addition to, any conditions that may be on the development approval. If a copy of this environmental authority is attached to a development approval, it is for information only, and may not be current. If you are unsure that you have the most current version of the environmental authority relating to this site please visit <https://apps.des.qld.gov.au/env-authorities/> to access all environmental authorities currently approved.

Conditions of Environmental Authority

Agency interest: General	
Condition number	Condition
G1	Any activity operating under this environmental authority must not be conducted contrary to any of the following limitations: 1. The amount of material removed from the site must not exceed 500,000 tonnes per year. 2. Extraction activities must only be undertaken within the 'extraction areas' defined in drawing Z2004-004R2 in Appendix A. 3. Extraction is only permitted to be conducted in one of the southern extraction pits identified in drawing Z2004-004R2 in Appendix A at a time. 4. The maximum area under extraction in the southern extraction pits identified in drawing Z2004-004R2 must not exceed 25ha at any one time. 5. Screening and stockpiling activities must only be undertaken within the 'operational areas' and extraction areas in drawing Z2004-004R2 in Appendix A. 6. Activities must not be undertaken within the 'riparian restoration zone' and the 'central restoration zone' in drawing Z2004-004R2 in Appendix A.
G2	All reasonable and practicable measures must be taken to minimise the likelihood of environmental harm being caused.
G3	Any breach of a condition of this environmental authority must be reported to the administering authority as soon as practicable, or at most, within 24 hours of you becoming aware of the breach. Records must be kept including full details of the breach and any subsequent actions undertaken.
G4	Other than as permitted by this environmental authority, the release of a contaminant into the environment must not occur.
G5	Environmental monitoring results must be kept until surrender of this environmental authority. All other information and records that are required by the conditions of this environmental authority must be kept for a minimum of five (5) years. All information and records required by the conditions of this environmental authority must be provided to the administering authority , or nominated delegate upon request, within the required timeframe and in the specified format.
G6	An appropriately qualified person(s) must monitor, record and interpret all parameters that are required to be monitored by this environmental authority and in the manner specified by this environmental authority.
G7	All analyses required under this environmental authority must be carried out by a laboratory that has National Association of Testing Authorities (NATA) certification, or
	an equivalent certification, for such analyses. The only exception to this condition is for in situ monitoring of pH, electrical conductivity, turbidity and dissolved oxygen.

G8	When required by the administering authority , monitoring must be undertaken in the manner prescribed by the administering authority , to investigate a complaint of environmental nuisance arising from the activity . The monitoring results must be provided within 10 business days to the administering authority upon its request
G9	The activity must be undertaken in accordance with written procedures that: 1. identify potential risks to the environment from the activity during routine operations, closure and an emergency; 2. establish and maintain control measures that minimise the potential for environmental harm; 3. ensure plant, equipment and measures are maintained in a proper and effective condition; 4. ensure plant, equipment and measures are operated in a proper and effective manner; 5. ensure that staff are trained and aware of their obligations under the <i>Environmental Protection Act 1994</i>; and 6. ensure that reviews of environmental performance are undertaken at least annually.
G10	Chemicals and fuels in containers of greater than 15 litres must be stored within a secondary containment system .

Agency interest: Air	
Condition number	Condition
A1	Odours or airborne contaminants which are noxious or offensive or otherwise unreasonably disruptive to public amenity or safety must not cause nuisance to any sensitive place or commercial place .
A2	Dust and particulate matter emissions must not exceed the following concentrations at any sensitive place or commercial place : 1. dust deposition of 120 milligrams per square metre per day, when monitored in accordance with Australian Standard AS 3580.10.1 (or more recent editions); or 2. a concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (µm) (PM₁₀) suspended in the atmosphere of 50 micrograms per cubic metre over a 24 hour averaging time, when monitored in accordance with Australian Standard AS 3580.9.6 (or more recent editions) or any other method approved by the administering authority.

Agency interest: Land	
Condition number	Condition
L1	Contaminants must not be released to land.
L2	Land that has been disturbed by activities conducted under this environmental authority must be rehabilitated in a manner such that: 1. suitable native species of vegetation for the location are established and sustained for earthen surfaces; 2. potential for erosion is minimised; 3. the quality of water released from the site, including seepage, does not cause environmental harm; 4. potential for environmental nuisance caused by dust is minimised; 5. the water quality of any residual water body does not have the potential to cause environmental harm; 6. the final landform (including any water bodies) is stable and protects public safety; 7. any residual water bodies must be designed and constructed to minimise ongoing drawdown on the groundwater table.
L3	Rehabilitation of disturbed areas required under condition L2 , must take place progressively as works are staged and new extraction areas are commenced.
L4	The final rehabilitation of: 1. the site must obtain the landform identified in Appendix B: Drawing Z2004-005R3 "Final rehabilitation and land use plan"; and 2. the two southern extraction areas must achieve a minimum elevation of 55.5m AHD (not including any water bodies) as show in Appendix B: Drawing Z20047-005R3 "Final rehabilitation and land use plan".
L5	A rehabilitation management plan must be developed and maintained that addresses the requirements of conditions L2 , L3 and L4 . This plan must be reviewed not less than every 5 years to ensure that it reflects current operations.

Agency interest: Noise								
Condition number	Condition number							
N1	Noise from the activity must not exceed the levels identified in <i>Table 1—Noise limits</i> when measured in accordance with the associated monitoring requirements.							
	Table 1—Noise limits							
		Monday to Saturday				Sundays and public holidays		
		6am–7am	7am–6pm	6pm–10pm	10pm–6am	7am–6pm	6pm–10pm	10pm–7am
	Noise measured at a sensitive place*							
	LA,eq T	31	46	No audible noise				
	Max _{LpA,T}	50	-					
	Noise measured at a commercial place							
	LA,eq T	41	53	No audible noise				
	* The residential dwelling at the location isn't considered to be a sensitive place, so long as a contractual arrangement exists between you and the owner of the dwelling							
Associated monitoring requirements								
1. All monitoring devices must be calibrated and maintained according to the manufacturer's instruction manual.								
2. Any monitoring must be in accordance with the most recent version of the administering authority's Noise Measurement Manual.								
3. Any monitoring of noise emissions from the activity must be undertaken when the activity is in operation.								
N2	When required by the administering authority, noise monitoring must be undertaken in accordance with the associated monitoring requirements of <i>Table 1—Noise Limits</i> , and the results notified within 14 days to the administering authority. Monitoring must include:							
	1. LAeq, adj, T							
	2. background noise (background) as LA 90, adj, T							
	3. Max _{LpA,T}							
	4. the level and frequency of occurrence of any impulsive or tonal noise							
	5. atmospheric conditions including wind speed and direction							
	6. effects due to extraneous factors such as traffic noise							
	7. recording of location, date and time of measurements.							
N3	Blasting or the generation of substantial low frequency noise is not permitted.							

Agency interest: Water																																																																												
Condition number	Condition																																																																											
W1	The only contaminants to be released to surface waters are settled, treated stormwater runoff from the release points identified as BW2 and BW3 in <i>Appendix C: Surface water monitoring locations</i> in accordance with <i>Table 2—Surface water release limits</i> and the associated monitoring requirements. Table 2—Surface water release limits <table> <tr> <th colspan="3">Release Point</th><th rowspan="2">Quality characteristic (units)</th><th rowspan="2">Limit</th><th rowspan="2">Limit Type</th><th rowspan="2">Minimum Monitoring Frequency</th></tr> <tr> <th>Release Point</th><th>Latitude (GDA94)</th><th>Longitude (GDA94)</th></tr> <tr> <td>BW2</td><td>-27.406</td><td>152.465</td><td rowspan="2">Turbidity (NTU)</td><td rowspan="2">6</td><td rowspan="2">Maximum</td><td rowspan="2">Upon release</td></tr> <tr> <td>BW3</td><td>-27.414</td><td>152.458</td></tr> <tr> <td>BW2</td><td>-27.406</td><td>152.465</td><td rowspan="2">Suspended solids (mg/L)</td><td rowspan="2">6</td><td rowspan="2">Maximum</td><td rowspan="2">Upon release</td></tr> <tr> <td>BW3</td><td>-27.414</td><td>152.458</td></tr> <tr> <td>BW2</td><td>-27.406</td><td>152.465</td><td rowspan="2">Dissolved Oxygen (% saturation)</td><td rowspan="2">85</td><td rowspan="2">Minimum</td><td rowspan="2">Upon release</td></tr> <tr> <td>BW3</td><td>-27.414</td><td>152.458</td></tr> <tr> <td>BW2</td><td>-27.406</td><td>152.465</td><td rowspan="2">pH (pH units)</td><td rowspan="2">6.5 to 8.5</td><td rowspan="2">Range</td><td rowspan="2">Upon release</td></tr> <tr> <td>BW3</td><td>-27.414</td><td>152.458</td></tr> <tr> <td>BW2</td><td>-27.406</td><td>152.465</td><td rowspan="2">Electrical Conductivity (µS/cm)</td><td rowspan="2">1,500</td><td rowspan="2">Maximum</td><td rowspan="2">Upon release</td></tr> <tr> <td>BW3</td><td>-27.414</td><td>152.458</td></tr> <tr> <td>BW2</td><td>-27.406</td><td>152.465</td><td rowspan="2">Sodium Absorption Ratio</td><td rowspan="2">2</td><td rowspan="2">Maximum</td><td rowspan="2">Upon release</td></tr> <tr> <td>BW3</td><td>-27.414</td><td>152.458</td></tr> </table> Associated monitoring requirements - Monitoring must be in accordance with the methods prescribed in the current edition of the administering authority's <i>Monitoring and Sampling Manual</i>. - Water samples must be representative of the general condition of the water body.						Release Point			Quality characteristic (units)	Limit	Limit Type	Minimum Monitoring Frequency	Release Point	Latitude (GDA94)	Longitude (GDA94)	BW2	-27.406	152.465	Turbidity (NTU)	6	Maximum	Upon release	BW3	-27.414	152.458	BW2	-27.406	152.465	Suspended solids (mg/L)	6	Maximum	Upon release	BW3	-27.414	152.458	BW2	-27.406	152.465	Dissolved Oxygen (% saturation)	85	Minimum	Upon release	BW3	-27.414	152.458	BW2	-27.406	152.465	pH (pH units)	6.5 to 8.5	Range	Upon release	BW3	-27.414	152.458	BW2	-27.406	152.465	Electrical Conductivity (µS/cm)	1,500	Maximum	Upon release	BW3	-27.414	152.458	BW2	-27.406	152.465	Sodium Absorption Ratio	2	Maximum	Upon release	BW3	-27.414	152.458
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	3. All determinations must employ analytical practical quantification limits of sufficient sensitivity to enable comparisons to be made against water quality objectives/triggers/limits relevant to the particular water quality characteristic. 4. Monitoring must be undertaken during a release and at the frequency stated. 5. All monitoring devices must be calibrated and maintained according to the manufacturer's instruction manual.
W2	The release to waters permitted under W1 must not contain any other properties at a concentration capable of causing environmental harm.
W3	The release to waters permitted under W1 must not produce any slick or other visible evidence of oil or grease, scum, litter or other visually objectionable matter.
W4	Stormwater runoff from disturbed areas of the site, generated by (up to and including) a 24 hour storm event with an average recurrence interval of 1 in 5 years must be retained on site and managed to remove contaminants prior to release.
W5	Contaminants must not be released to ground waters.

W6	Groundwater levels must be monitored at the locations and frequencies specified in <i>Table 3—Groundwater monitoring locations and frequency</i>. Table 3—Groundwater monitoring locations and frequency <table><tr><th colspan="3">Bores</th><th colspan="2">Location (GDA94)</th><th colspan="2"></th></tr><tr><th>Reference</th><th>Registered Number</th><th>Status</th><th>Longitude</th><th>Latitude</th><th>Minimum monitoring frequency</th><th>Characteristic</th></tr><tr><td>B1</td><td>14320618</td><td>DNRME¹ monitoring bore</td><td>152.4580</td><td>- 27.4134</td><td rowspan="5">Monthly</td><td rowspan="5">Groundwater level (meters) (RL)</td></tr><tr><td>B2</td><td>14320619</td><td>DNRME monitoring bore</td><td>152.4591</td><td>- 27.4092</td></tr><tr><td>B3</td><td>154972</td><td>Private Bore</td><td>152.4598</td><td>- 27.4136</td></tr><tr><td>B4</td><td>129452</td><td>Private Bore</td><td>152.4472</td><td>- 27.4115</td></tr><tr><td>B5</td><td>Burns Bore</td><td>Private Bore</td><td>152.4644</td><td>- 27.4170</td></tr></table> <i>Note: monitoring data from Bores B1 and B2 obtained by DNRME will be made available to the holder of this environmental authority for monitoring purposes.</i>	Bores			Location (GDA94)				Reference	Registered Number	Status	Longitude	Latitude	Minimum monitoring frequency	Characteristic	B1	14320618	DNRME ¹ monitoring bore	152.4580	- 27.4134	Monthly	Groundwater level (meters) (RL)	B2	14320619	DNRME monitoring bore	152.4591	- 27.4092	B3	154972	Private Bore	152.4598	- 27.4136	B4	129452	Private Bore	152.4472	- 27.4115	B5	Burns Bore	Private Bore	152.4644	- 27.4170
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W7	In the event that a decrease in the groundwater level of 1.5 metres or more in any 12 month period is detected at any of the groundwater monitoring bores identified in in <i>Table 3—Groundwater monitoring locations and frequency</i> , an investigation must be undertaken within 14 days of detection to determine the cause of the fluctuations.																																									
W7	In the event that a decrease in the groundwater level of 1.5 metres or more in any 12 month period is detected at any of the groundwater monitoring bores identified in in <i>Table 3—Groundwater monitoring locations and frequency</i> , an investigation must be undertaken within 14 days of detection to determine the cause of the fluctuations.																																									
W8	If the investigation in W7 identifies that the activity has caused the groundwater fluctuations, the administering authority must be notified within 7 days.																																									
W9	The activity must not cause the groundwater level in monitoring bore B2 in <i>Table 3—Groundwater monitoring locations and frequency</i> to fall below 52.9m (AHD).																																									
W10	In the event that the groundwater level in bore B2 in <i>Table 3—Groundwater monitoring locations and frequency</i> falls below 54m (AHD) then the following actions must be undertaken: 1. any operations in the southern extraction pits must only be carried out using dry extraction methods (i.e. methods that do not require dewatering); and																																									

¹ Note: DNRME means the Department of Natural Resources Mines and Energy or any subsequent department responsible for managing water and groundwater allocation rights and maintaining these bores.

	2. the exposed area of groundwater must not increase until the groundwater level in bore B2 in <i>Table 3—Groundwater monitoring locations and frequency</i> is above 54m (AHD).
W11	In the event that the groundwater level in bore B2 in <i>Table 3—Groundwater monitoring locations and frequency</i> falls below 52.9m (AHD), an investigation must be undertaken to determine the cause of the fall of groundwater.
W12	If water levels in bore B2 in <i>Table 3—Groundwater monitoring locations and frequency</i> falls below 52.9m AHD, no activities must be undertaken that will cause further drawdown of the water table.

Agency interest: Waste	
Condition number	Condition
WS1	All waste generated in carrying out the activity must be reused, recycled or removed to a facility that can lawfully accept the waste.

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.

24 hour storm event with an average recurrence interval of 1 in 5 years means the maximum rainfall depth from a 24 hour duration precipitation event with an average recurrence interval of once in 5 years. (*For example, an Intensity-Frequency-Duration table for a 24 hour duration event with an average recurrence interval of 1 in 5 years, identifies a rainfall intensity of 7.09mm/hour. The rainfall depth for this event is therefore 24 hour x 7.09mm/hour = 170.16mm.*)

Activity means the environmentally relevant activities, whether resource activities or prescribed activities, to which the environmental authority relates.

Administering authority means the Department of Environment and Heritage Protection or its successor or predecessors.

AHD means Australian Height Datum, the official Australian vertical datum and refers to Australian Height Datum 1971.

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

Background means noise, measured in the absence of the noise under investigation, as $L_{A\ 90, adj, T}$ being the A-weighted sound pressure level exceeded for 90 per cent of the time period of not less than 15 minutes, using Fast response.

Commercial place means a place used as a workplace, an office or for business or commercial purposes and includes a place within the curtilage of such a place reasonably used by persons at that place.

Environmental value –

- a quality or physical characteristic of the environment that is conducive to ecological health or public amenity or safety; or
- another quality of the environment identified and declared to be an environmental value under an environmental protection policy or regulation.

$L_{Aeq, adj, T}$ means the adjusted A weighted equivalent continuous sound pressure level measures on fast response, adjusted for tonality and impulsiveness, during the time period T, where T is measured for a period no less than 15 minutes when the activity is causing a steady state noise, and no shorter than one hour when the approved activity is causing an intermittent noise.

Land means any land, whether above or below the ordinary high-water mark at spring tides (i.e. includes tidal land).

Location means the following properties Lot 236 on SP260138, Lot 246 on CA317763, Lot 220 on SP250792 and Lots 225 and 226 on CA31773 on which the activity takes place.

Max_{L_{PA,T}} means the maximum A-weighted sound pressure level measured over a time period T of not less than 15 minutes, using Fast response.

Measures has the broadest interpretation and includes:

- Procedural measures such as standard operating procedures for dredging operations, environmental risk assessment, management actions, departmental direction and competency expectations under relevant guidelines
- Physical measures such as plant, equipment, physical objects (such as bunding, containment systems etc.), ecosystem monitoring and bathymetric surveys.

NATA means National Association of Testing Authorities.

Nominated delegate means another government agency that provides services to the administering authority.

Noxious means harmful or injurious to health or physical well-being.

Nuisance means Environmental Nuisance as defined by section 15 of the *Environmental Protection Act 1994*

Offensive means causing offence or displeasure; is unreasonably disagreeable to the senses; disgusting, nauseous or repulsive.

Prescribed water contaminants means contaminants listed within Schedule 9 of the Environmental Protection Regulation 2008.

Release of a contaminant into the environment means to:

- deposit, discharge, emit or disturb the contaminant
- cause or allow the contaminant to be deposited, discharged, emitted or disturbed
- fail to prevent the contaminant from being deposited, discharged emitted or disturbed
- allow the contaminant to escape
- fail to prevent the contaminant from escaping.

Sensitive place includes the following and includes a place within the curtilage of such a place reasonably used by persons at that place:

- a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
- a motel, hotel or hostel; or
- a kindergarten, school, university or other educational institution; or
- a medical centre or hospital; or
- a protected area under the *Nature Conservation Act 1992*, the *Marine Parks Act 2004* or a World Heritage Area; or
- a public park or garden; or
- for noise, a place defined as a sensitive receptor for the purposes of the Environmental Protection (Noise) Policy 2008.

Sensitive receptor includes biological sensitive receptors together with other environmental values sensitive to the effects of dredge-generated sediment plume-associated impacts.

Substantial low frequency noise means a noise emission that has an unbalanced frequency spectrum shown in a one-third octave band measurement, with a predominant component within the frequency range 10 to 200 Hz. It includes any noise emission likely to cause an overall sound pressure level at a sensitive place exceeding 55 dB(Z).

Trigger values are physicochemical, parameter-specific measurement values used to indicate a condition where an environmental value or sensitive receptor may be at low, moderate or high risk, or some other risk-related indicator.

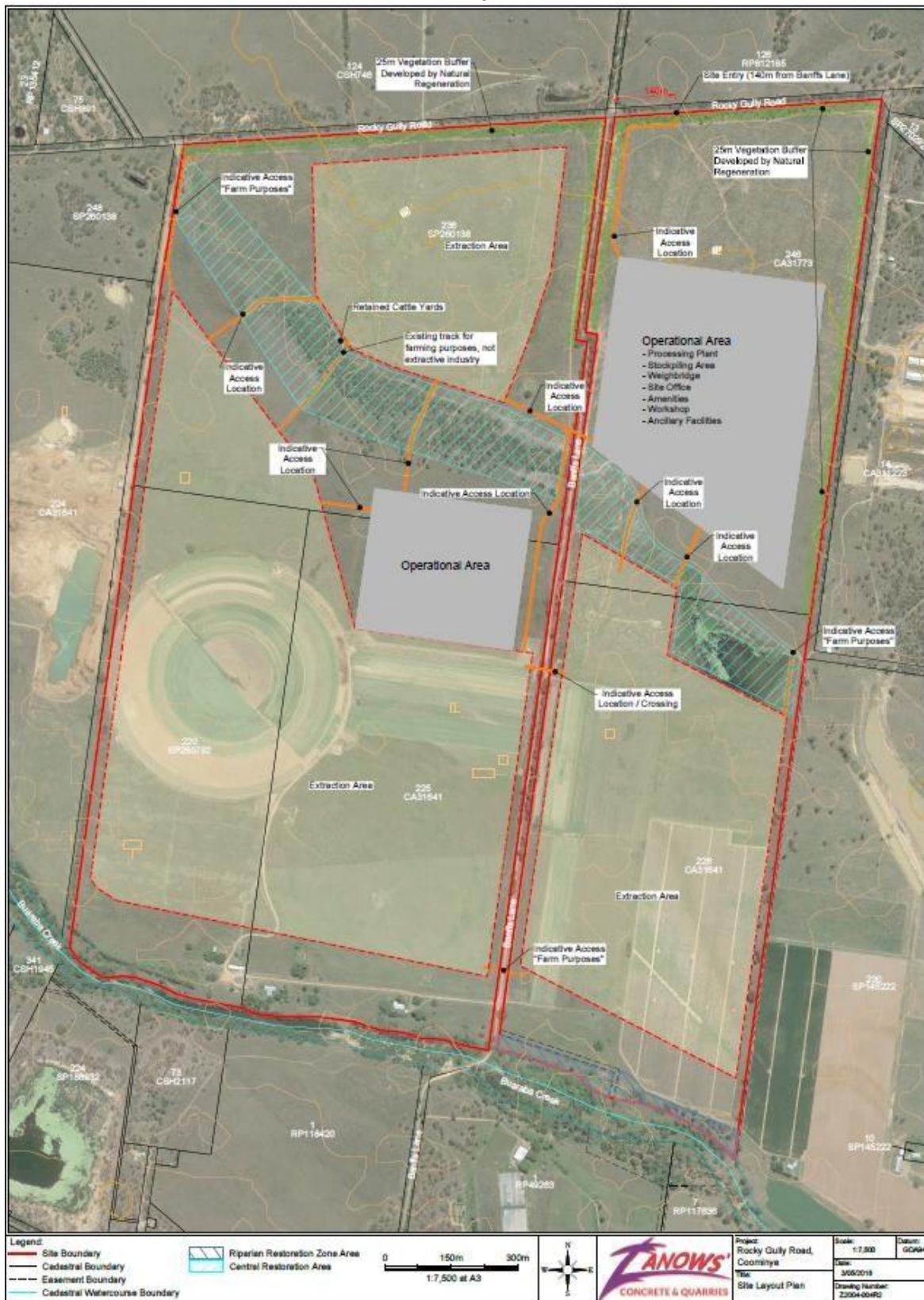
Tidal land means land that is submerged at any time by tidal water.

Vibration is the oscillating or periodic motion of a particle, group of particles, or solid object about its equilibrium position.

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, roadside gutter, stormwater run-off, and groundwater and any part thereof.

You means the holder of the environmental authority.

Appendix A: Drawing Z2004-004R2 "Site Layout Plan"



Appendix B: Drawing Z2004-005R3 "Final rehabilitation and land use plan"



Appendix C: Surface water monitoring locations

