

# Permit

**Environmental Protection Act 1994**

**Environmental authority EA0002754**

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

**Environmental authority number: EA0002754**

**Environmental authority takes effect on 15 March 2021**

**Environmental authority holder(s)**

Name(s)	Registered address
Bay Sand & Soil Pty Ltd	C/- Birch Phillips Suite 4, 486 The Esplanade TORQUAY QLD 4655

**Environmentally relevant activity and location details**

Environmentally relevant activity/activities	Location(s)
ERA 16 - Extraction and Screening 2: Extracting, other than by dredging, in a year, the following quantity of material (a) 5,000t to 100,000t	Lot 68 on MCH844
ERA 16 - Extraction and Screening 3: Screening, in a year, the following quantity of material (a) 5,000t to 100,000t	LOT 67 on MCH844
ERA 16 - Extraction and Screening 3: Screening, in a year, the following quantity of material (a) 5,000t to 100,000t	Lot 68 on MCH844
ERA 16 - Extraction and Screening 2: Extracting, other than by dredging, in a year, the following quantity of material (a) 5,000t to 100,000t	LOT 67 on MCH844

**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](http://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.

Clancy Mackaway  
Department of Environment and Science  
Delegate of the administering authority  
*Environmental Protection Act 1994*

**Date issued: 15 March 2021**

**Enquiries:**  
Energy and Extractive Resources Assessment  
Department of Environment and Science

Phone: (07) 3330 5715  
Email: [EnergyandExtractive@des.qld.gov.au](mailto:EnergyandExtractive@des.qld.gov.au)

**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)

Agency interest: General	
Condition number	Condition
G1	<p>Any activity operating under this environmental authority must not be conducted contrary to any of the following limitations:</p> <ol style="list-style-type: none"> <li>1. Extraction activities must only be undertaken within the 'extraction area' defined in the drawing titled "Plan for Lots 67 and 68" in Appendix A.</li> <li>2. The only material permitted to be extracted from this extraction area is fine indurated sand.</li> <li>3. The amount of material extracted must not exceed 10,500 tonnes per year.</li> <li>4. Extraction must not occur below 0.0m AHD.</li> </ol>
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 <b>administering authority</b> as soon as practicable 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, <b>the release of a contaminant into the environment</b> 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 <b>administering authority</b> , or <b>nominated delegate</b> upon request, within the required timeframe and in the specified format.
G6	An <b>appropriately qualified person(s)</b> 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 ( <b>NATA</b> ) 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 <b>administering authority</b> , monitoring must be undertaken in the manner prescribed by the <b>administering authority</b> , to investigate a complaint of environmental nuisance arising from the <b>activity</b> . The monitoring results must be provided within 10 business days to the <b>administering authority</b> upon its request
G9	<p>The activity must be undertaken in accordance with written procedures that:</p> <ol style="list-style-type: none"> <li>1. identifies potential risks to the environment from the activity during routine operations, closure and an emergency;</li> <li>2. establish and maintain control <b>measures</b> that minimise the potential for environmental harm;</li> </ol>

	<ol style="list-style-type: none"><li>3. ensure plant, equipment and <b>measures</b> are maintained in a proper and effective condition;</li><li>4. ensure plant, equipment and <b>measures</b> are operated in a proper and effective manner;</li><li>5. ensure that staff are trained and aware of their obligations under the <i>Environmental Protection Act 1994</i>; and</li><li>6. ensure that reviews of environmental performance are undertaken at least annually.</li></ol>
<b>G10</b>	Chemicals and fuels in containers of greater than 15 litres must be stored within a <b>secondary containment system</b> .

Agency interest: Air	
Condition number	Condition
A1	Other than as permitted within this environmental authority, odours or airborne contaminants must not cause environmental nuisance to any sensitive place or commercial place.
A2	<p>Dust and particulate matter emissions must not exceed the following concentrations at any <b>sensitive place</b> or <b>commercial place</b>:</p> <ul style="list-style-type: none"><li>a) 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</li><li>b) 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.</li></ul>

Agency interest: Land	
Condition number	Condition
L1	Contaminants must not be released to land. The only exemption to this is the use of treated stormwater for dust suppression on onsite disturbed areas or any material applied as a part of a documented onsite pest management program.
L2	<p><b>Land</b> that has been disturbed by <b>activities</b> conducted under this environmental authority must be rehabilitated in a manner such that:</p> <ul style="list-style-type: none"> <li>a) suitable native species of vegetation for the location are established and sustained for earthen surfaces;</li> <li>b) potential for erosion is minimised;</li> <li>c) the quality of water released from the site, including seepage, does not cause environmental harm;</li> <li>d) potential for environmental nuisance caused by dust is minimised;</li> <li>e) the water quality of any residual water body does not have the potential to cause environmental harm;</li> <li>f) the final landform (including any water bodies) is stable and protects public safety;</li> <li>g) the final landform is of a suitable elevation to ensure that it is not subject to inundation by groundwater; and</li> <li>h) any residual water bodies do not cause ongoing drawdown on the groundwater table.</li> </ul>
L3	Rehabilitation of <b>disturbed areas</b> required by condition <b>L2</b> , must take place progressively as works are staged and new extraction areas are commenced.
L4	<p>The final rehabilitated wetland landform must ensure that:</p> <ul style="list-style-type: none"> <li>1. the revegetation of the site must use the species of vegetation identified in Appendix B – Species list for rehabilitation;</li> <li>2. the bed of the wetland must be capped to ensure that any underlying acid sulfate soils or potential acid sulfate soils are not subject to oxidation and subsequent production of acidic material;</li> <li>3. the material and depth of capping is to be assessed as suitable for meeting the previous requirement by a suitably qualified person; and</li> <li>4. the capping layer must also be of a sufficient depth to ensure the root growth of any species used to revegetate the area will not compromise the capping layer.</li> </ul>
L5	A rehabilitation management plan must be developed by <b>31 December 2018</b> that addresses the requirements of conditions <b>L2</b> , <b>L3</b> and <b>L4</b> . This plan must be reviewed not less than every 5 years to ensure that it reflects current operations.
L7	Assessment, treatment and management of acid sulfate soils must comply with the guidance provided in the current edition of the Queensland Acid Sulfate Soil Technical Manual.
L8	Acid sulfate soils must be managed to ensure that contaminants are not directly or indirectly released to any waters.



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						
	Noise Level measured in dB(A)	Monday to Saturday			Sunday and Public Holidays		
		7 am – 6 pm	6 pm – 10 pm	10 pm – 7 am	7 am – 6 pm	6 pm – 10 pm	10 pm – 7 am
		Noise measured at a nuisance sensitive place					
	L <sub>Aeq, adj, T</sub>	40	30	26	No audible noise		
	L <sub>A, Max, adj, T</sub>	45	35	31	No audible noise		
	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 <i>Noise Measurement Manual</i> .						
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:						
	a) L <sub>Aeq, adj, T</sub> and L <sub>A, Max, adj, T</sub>						
	b) <b>background noise</b> as L <sub>A 90, adj, T</sub>						
	c) MaxL <sub>pA,T</sub>						
	d) the level and frequency of occurrence of any impulsive or tonal noise						
	e) atmospheric conditions including wind speed and direction						
	f) effects due to extraneous factors such as traffic noise						
	g) 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	Contaminants must not be released to waters.																										
W2	There must be no release of stormwater runoff that has been in contact with any contaminants at the site to any waters, roadside gutter or stormwater drain.																										
W3	Contaminants must not be released to ground waters.																										
W4	The de-watering of the extraction pit is not permitted to be conducted as part of the activity.																										
W5	In the event that groundwater is encountered in the extraction area, extraction must cease. Extraction must not continue until an assessment of the groundwater encountered has been conducted by a suitably qualified hydrologist which demonstrates that the water encountered is part of a perched aquifer.																										
W6	A copy of the assessment in <b>W5</b> must be supplied to the administering authority prior to the extraction re-commencing.																										
W7	<p>Groundwater must be monitored in accordance with <i>Table 3 – Groundwater monitoring locations, Appendix C – Monitoring Program</i> and the associated monitoring requirements.</p> <p><b>Table 3 – Groundwater Monitoring Locations</b></p> <table><tr><th>Monitoring point</th><th>Description</th><th>Location</th><th>Quality characteristic</th><th>Frequency</th></tr><tr><td>WS</td><td>Wetland Upstream monitoring bore</td><td rowspan="11">As indicated in <i>Appendix C – Monitoring Program</i></td><td rowspan="11">All of the quality characteristic identified in <i>Table 4 – Contaminant Limits</i></td><td rowspan="11">Monthly</td></tr><tr><td>WN</td><td>Wetland downstream monitoring bore</td></tr><tr><td>B1</td><td rowspan="9">Onsite monitoring bore</td></tr><tr><td>B2</td></tr><tr><td>B3</td></tr><tr><td>B4</td></tr><tr><td>B5</td></tr><tr><td>B6</td></tr><tr><td>B7</td></tr><tr><td>B8</td></tr><tr><td>B9</td></tr></table>					Monitoring point	Description	Location	Quality characteristic	Frequency	WS	Wetland Upstream monitoring bore	As indicated in <i>Appendix C – Monitoring Program</i>	All of the quality characteristic identified in <i>Table 4 – Contaminant Limits</i>	Monthly	WN	Wetland downstream monitoring bore	B1	Onsite monitoring bore	B2	B3	B4	B5	B6	B7	B8	B9
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B9																											

	B10					
	B11					
	B12					
	B13					
	B14					
	B15					
	B16					
	B17					
	B18					
	Bore west of BH11					
	Bore between BH5 and BH6 east to monitor between wetland and extraction operations					
	CP	Extraction pit				
	NP					
	SP					
	<b>Associated monitoring requirements</b> <ol style="list-style-type: none"><li>1. Monitoring must be undertaken at the frequency stated.</li><li>2. All groundwater monitoring must be conducted in accordance with the current edition of the administering authority's <i>Monitoring and Sampling Manual</i>.</li><li>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.</li><li>4. Monitoring bores must be surveyed for location and elevation (AHD).</li><li>5. All monitoring devices must be calibrated and maintained according to the manufacturer's instruction manual.</li></ol>					
W8	The activity must not cause groundwater to exceed the limits identified in <i>Table 4 – Contaminant Limits</i>					

**Table 4 – Contaminant Limits**

Quality Characteristic	Trigger Limit	Limit
Standing Groundwater level (metres) (AHD)	Change in standing groundwater level in one month of 0.5m or more	Change in standing groundwater level in one month of 1m or more.
pH (Field)	5.2	5 to 8.5
Electrical Conductivity (Field) ( $\mu\text{S}/\text{cm}$ )	1,425	1,600
Total dissolved solids (mg/L)	1,200	1,500
<b>Major Anions</b>		
HCO <sub>3</sub> (%)	18	52
Chloride (%)	39	70
SO <sub>4</sub> (%)	4	11
<b>Major Cations</b>		
Sodium	57	81
Magnesium	20	27
<b>Metals</b>		
Aluminium (mg/L)	5	20
Iron (mg/L)	0.2	10
Manganese (mg/L)	0.2	10
Arsenic (mg/L)	0.1	2.0
Cadmium (mg/L)	0.01	0.05
Chromium (mg/L)	0.1	1
Copper (mg/L)	0.2	5
Zinc (mg/L)	2	5

**W9**

The groundwater monitoring data obtained under conditions **W7** and **W8** must be analysed by an appropriately qualified groundwater expert on an annual basis to determine any impacts from the activities on the groundwater regime.

A summary of the findings, with any conclusions and recommendations, must be provided to the administering authority with each annual return.

<b>W10</b>	<p>In the event that three consecutive exceedances of the trigger limits in <b>W6</b> in a single bore are recorded then the following must occur:</p> <ul style="list-style-type: none"><li>• the administering authority must be notified within 14 days;</li><li>• a written report must be provided to the administering authority within 3 months of the last (i.e. third) exceedance outlining:<ul style="list-style-type: none"><li>• details of the investigation carried out; and</li><li>• actions taken to prevent environmental harm.</li></ul></li></ul>
<b>Agency interest: Waste</b>	
<b>Condition number</b>	<b>Condition</b>
<b>WS1</b>	All waste generated in carrying out the <b>activity</b> 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.

**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  $L_{A90, adj, T}$  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).

**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.

**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.

**Restricted area** means an area that is within the Great Barrier Reef World Heritage Area but outside the Commonwealth marine park.

Note—See the *Commonwealth Marine Park Act* for prohibitions relating to the Commonwealth marine park and Great Barrier Reef Region under that Act.

**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.

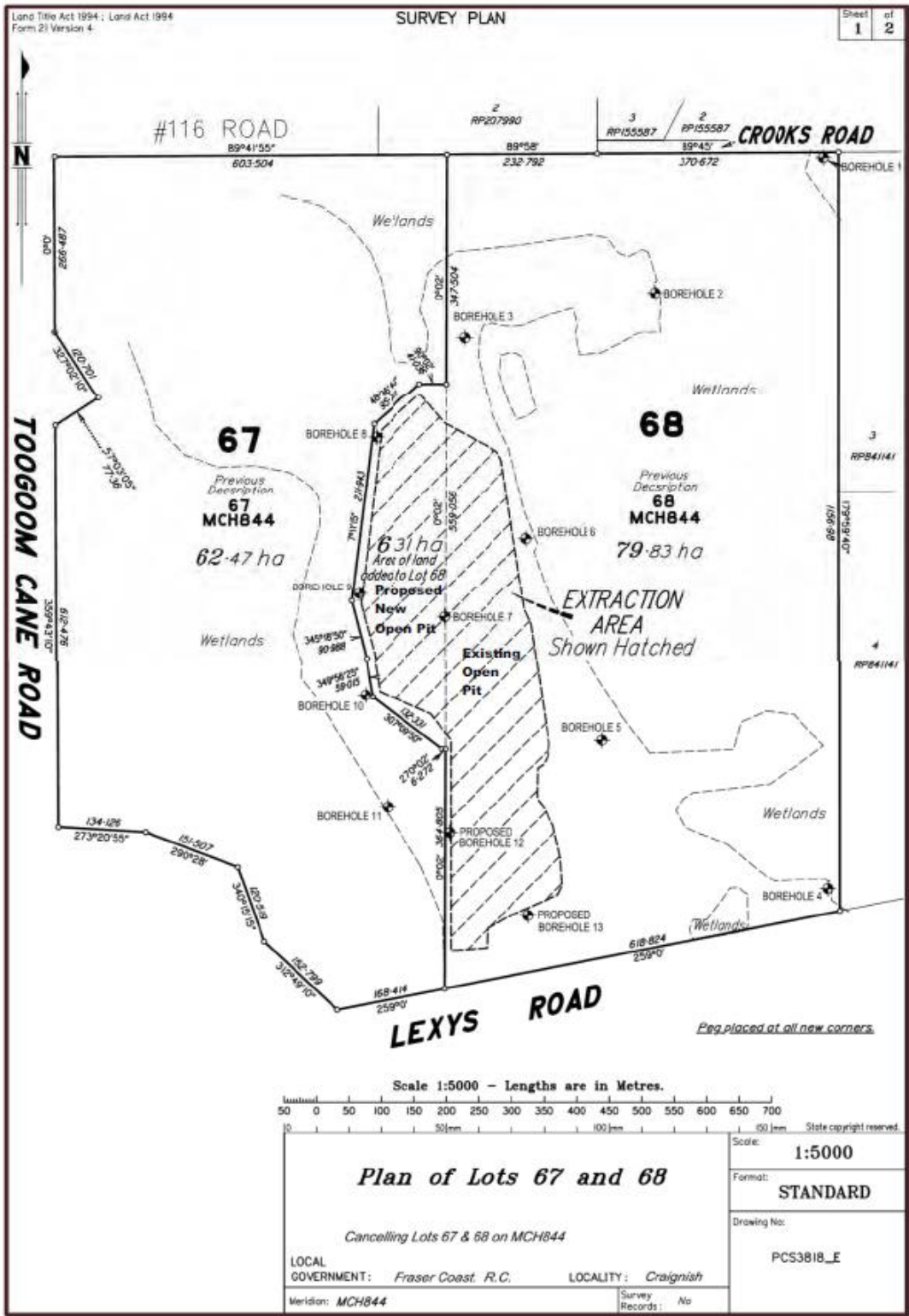
**Trigger values** are physicochemical, parameter-specific measurement values used to indicate a condition where an environmental value or sensitive receptor may be at low, moderate or high risk, or some other risk-related indicator.

**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.

## END OF CONDITIONS

Appendix A - Plan of lots 67 and 68 MCH844





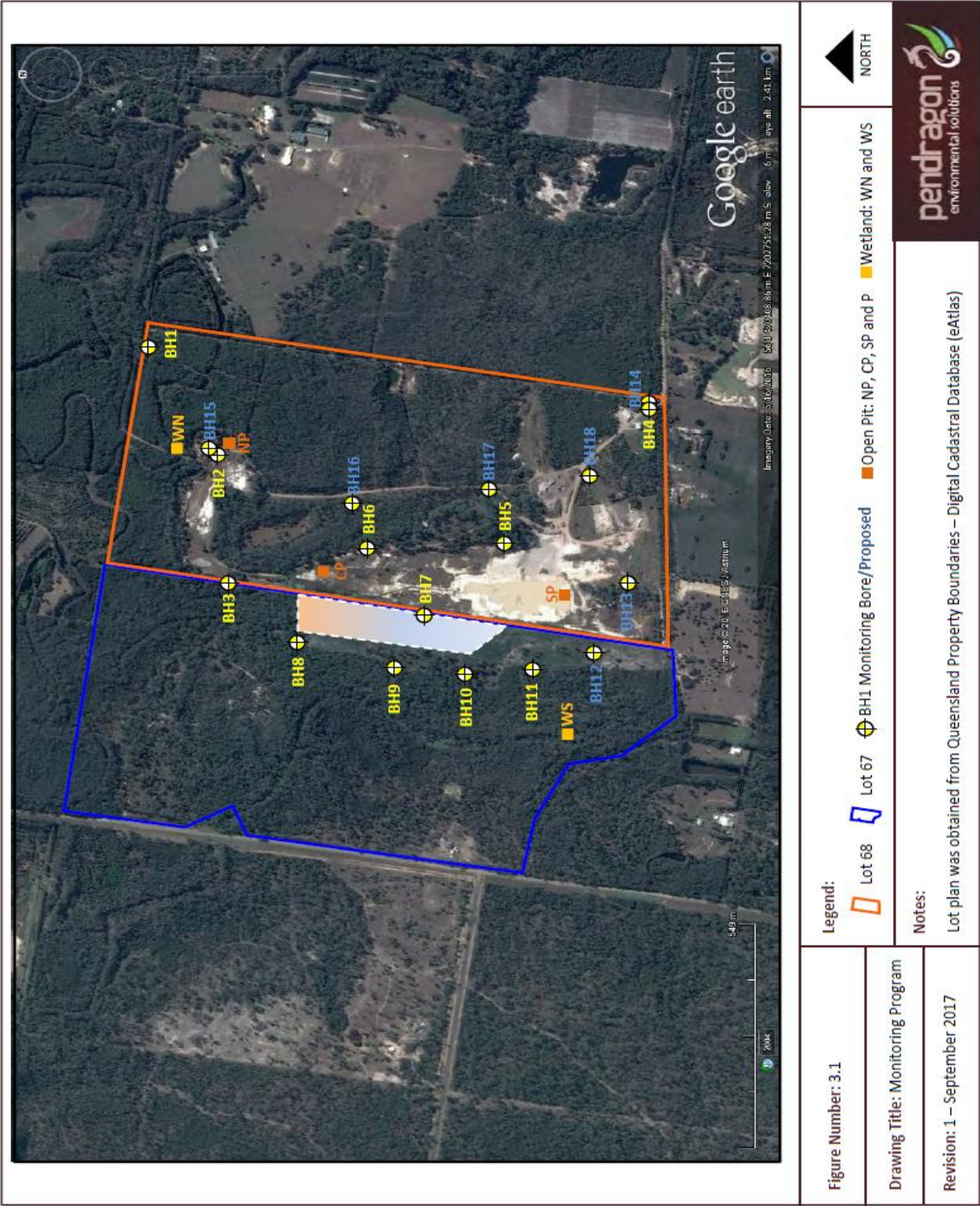
## Appendix B – Species list for rehabilitation

Scientific name	Common name	
<i>Acacia disparrima</i> subsp <i>disparrima</i>	Southern salwood	
<i>Acacia flavescens</i>	Toothed wattle	
<i>Acacia maidenii</i>	Maiden's wattl	
<i>Acrostichum speciosum</i>	Mangrove fern	
<i>Alphitonia excels</i>	Soap tree	
<i>Baumea articulata</i>	Jointed twigrush	
<i>Blechnum indicum</i>	Swamp water fern	
<i>Casuarina glauca</i>	Swamp she-oak	
<i>Centella asiatica</i>	Pennywort	
<i>Cissus opaca</i>	Small leaved water vine	
<i>Celerodendrum floribundum</i>	Lollybush	
<i>Corymbia intermedia</i>	Pink blood wood	
<i>Crinum pendculatum</i>	River lily	
<i>Cupaniopsis parvifolia</i>	Small leaved tuckeroo	
<i>Dianell caerulea</i>	Blue flax lily	
<i>Dodonaea triquetra</i>	Large leaved hop bush	
<i>Drypetes deplanchei</i>	Grey boxwood	
<i>Endiandra sieberi</i>	Hard corkwood	
<i>Eucalyptus latsinensis</i>	Broad-leaved white mahogany	
<i>Eucalyptus tereticornis</i>	Queensland blue gum	
<i>Exocarpos latifolius</i>	Broad-leaved cherry	
<i>Ficus rubiginosa</i>	Port Jackson fig	
<i>Ficus virens</i>	White fig	
<i>Flindersia schottiana</i>	Bumpy ash	
<i>Gahnia aspera</i>	Sawsedge	

<i>Gahnia siberiana</i>	Sword grass	
<i>Geitonoplesium cymosum</i>	Scrambling lilly	
<i>Glochidion ferdinandi</i>	Cheese tree	
<i>Glochidion sumatranum</i>	Umbrella cheese tree	
<i>Harpullia hillii</i>	Blunt-leaved tulip	
<i>Imperata cylindrica</i>	Blady grass	
<i>Jagera pseudorhus</i> var. <i>pseudorhus</i>	Foambark	
<i>Livistona decipens</i>	Weeping cabbage palm	
<i>Lomandra conferifolia</i> subsp. <i>pallida</i>	Mat rush	
<i>Lomandra longifolia</i>	Spiny head mat rush	
<i>Lophosemon suaveolens</i>	Swamp box	
<i>Ludwigia octovalvis</i>	Willow primrose	
<i>Lygodium microphyllum</i>	Snake fern	
<i>Macaranga tanarius</i>	Macaranga	
<i>Mallotus discolor</i>	White kamala	
<i>Melaleuca quinquenervia</i>	Swamp paperbark	
<i>Melaleuca styphenlloides</i>	Prickly leaved tea-tree	
<i>Melastoma malabathricum</i> subsp. <i>Malabathricum</i>	Black-mouth bush	
<i>Melia azedarach</i>	White cedar	
<i>Parsonsia straminea</i>	Monkey rope	
<i>Phragmites australis</i>	Common reed	
<i>Pimelea linifolia</i>	Queen of the bush	
<i>Polyscias elegans</i>	Celery wood	
<i>Rapanea variabilis</i>	Mutton wood	
<i>Rubus moluccanus</i>	Native raspberry	
<i>Smilax australis</i>	Barb wire vine	

<i>Sterculia quadrifida</i>	Peanut tree	
<i>Typha domingensis</i>	Cumbungi, bulrush	

Appendix C - Monitoring program



END OF ENVIRONMENTAL AUTHORITY