Permit

Environmental Protection Act 1994

Environmental authority P-EA-100868918

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

Environmental authority number: P-EA-100868918

Environmental authority takes effect on the date that your related development approval 2502-44674 SDA takes effect**.** This is the take effect date.

Within 5 business days of the environmental authority taking effect, the administering authority must be given written notice of the occurrence. Prior to the commencement of the activity, the administering authority must be given written notice of the proposed date of commencement.

The first annual fee is payable within 20 business days of the take effect date.

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

Environmental authority holder(s)

Name(s)	Registered address
Department of Transport & Main Roads, Maritime Safety Qld branch	McArthur Avenue East Pinkenba Qld 4008

Environmentally relevant activity and location details

Environmentally relevant activity/activities	Location(s)
ERA 16 - Extraction and Screening - 1(b) - extractive and screening activities - dredging more than 10,000 but not more than 100,000 tonnes of material in a year	Adjacent to Lot 84 on MCH4331

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.

Queensland Government

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 land give written notice to the administering authority if they become aware of the following:

- the presence of, or happening of an event involving, a hazardous contaminant on the land that is causing, or is reasonably likely to cause, serious or material environmental harm (notice must be given within 24 hours); or
- if the land is contaminated land – a change in the condition of the land that is causing, or is reasonably likely to cause, serious or material environmental harm (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 land (notice must be given within 20 business days).

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 effective date. 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.

Amanda Gray	24/6/2025
Signature	Date

Amanda Gray
Department of the Environment, Tourism, Science and Innovation
Delegate of the administering authority
Environmental Protection Act 1994

Enquiries:
Coastal and Marine Assessment
GPO Box 2454, BRISBANE QLD 4001
Phone: 1300 130 372
Email: palm@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:

a) general environmental duty (section 319)
b) duty to notify environmental harm (section 320-320G)
c) offence of causing serious or material environmental harm (sections 437-439)
d) offence of causing environmental nuisance (section 440)
e) offence of depositing prescribed water contaminants in waters and related matters (section 440ZG)
f) 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 and Federal 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 *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act)

Matters of national environmental significance (MNES) are regulated under the Commonwealth EPBC Act rather than under state legislation. You may need to submit a referral if your project potentially impacts any matters protected under the EPBC Act. For more information on self-assessments, and referral and assessment processes please visit the Department of Climate Change, Energy, the Environment and Water webpage, https://www.dcceew.gov.au/environment/epbc/advice.

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. Please contact the Department of the Environment, Tourism, Science and Innovation to ensure that you have the most current version of the environmental authority relating to this site.

Obligations under the *Aboriginal Cultural Heritage Act 2003* and *Torres Strait Islander Cultural Heritage Act 2003* (the Cultural Heritage Acts)

The Cultural Heritage Acts require anyone who carries out a land-use activity to exercise a duty of care. This ‘duty of care’ means land users must take all reasonable and practicable measures to ensure their activity does not harm Aboriginal or Torres Strait Islander cultural heritage, and applies to any activity where Aboriginal or Torres Strait Islander cultural heritage is located. For more information on your obligations under this legislation, please visit the Department of Women, Aboriginal and Torres Strait Islander Partnerships and Multiculturalism webpage at, https://www.tatsipca.qld.gov.au/.

Conditions of environmental authority

<table>
<tr><th>Ref</th><th>Condition</th></tr>
<tr><td colspan="2">Schedule: General</td></tr>
<tr><td>G1.0</td><td>This environmental authority authorises the activities listed in Table 1 – Authorised activities to the extent that they are carried out in accordance with the activity's corresponding maximum disturbance size, maximum scale, location and:
a) Must only be conducted by a cutter-suction dredge;
b) Must only then be transferred to the disposal location via a pipeline;
c) Must only be disposed of at the disposal location.
Table 1 – Authorised activities
<table>
<tr><th>Activity</th><th>Max. disturbance size</th><th>Max. depth</th><th>Max. scale</th><th>Location</th></tr>
<tr><td>ERA 16(1)(a) dredging more than 10,000t but not more than 100,000t in a year</td><td>5,000 m^2</td><td>-1.5 RL</td><td>Capital dredging – 20,000 tonnes; or 9,990m^3
Maintenance dredging – 10,000t or 5000m^3 per year</td><td>Dredge footprint on Site Plan, Locality Plan, Tables and Typical Sections prepared by Department of Transport and Main Roads, dated 26/03/2025, reference MB-15-2-1, revision B.</td></tr>
</table></td></tr>
<tr><td>G2.0</td><td>All reasonable and practicable measures must be taken to prevent or minimise environmental harm caused, or likely to be caused, by the activities.</td></tr>
<tr><td>G3.0</td><td>Unless specifically authorised by a condition of this environmental authority, this environmental authority does not authorise a relevant act which is:
a) an act that causes serious or material environmental harm or an environmental nuisance; or
b) an act that contravenes a noise standard; or
c) a deposit of a contaminant, or release of stormwater run-off, mentioned in section 440ZG of the Environmental Protection Act 1994.</td></tr>
<tr><td>G4.0</td><td>Contravention of conditions
Unless specifically authorised by a condition of this environmental authority, details of any contravention of a condition of this environmental authority must:
a) be reported to the administering authority within 24 hours of becoming aware of the contravention; and
b) include the nature and circumstances of the contravention and any immediate actions taken.</td></tr>
<tr><td>G4.1</td><td>As soon as reasonably practicable and within 20 business days of a report made under condition G4.0 (or a longer period agreed to in writing by the administering authority), an investigation must be undertaken to determine:
a) the potential circumstances and actions that may have contributed to the contravention; and
b) reasonable and practicable measures that will be implemented to address the cause of the contravention to prevent future contraventions of this nature.</td></tr>
</table>

Ref	Condition
G4.2	As soon as reasonably practicable and within 20 business days of investigating a contravention under condition G4.1 (or a longer period agreed to in writing by the administering authority), the reasonable and practicable measures identified in the investigation must be implemented.
G4.3	The outcome of the investigation carried out under condition G4.1 and the reasonable and practicable measures implemented under condition G4.2 must be recorded.
G5.0	**Complaints** The following details must be recorded for all complaints received and provided to the administering authority upon request: a) date and time the complaint was received; and b) if authorised by the person making the complaint, their name and contact details; and c) nature and details of the complaint.
G5.1	As soon as reasonably practicable but no later than 5 business days of receiving a complaint (or a longer period agreed to in writing by the administering authority), an investigation must be undertaken to determine: a) the potential circumstances and actions on site that may have contributed to the basis of the complaint; and b) reasonable and practicable measures that will be implemented to address the complaint.
G5.2	As soon as reasonably practicable and within 5 business days of investigating a complaint under condition G5.1 (or a longer period agreed to in writing by the administering authority), the reasonable and practicable measures identified in the investigation must be implemented.
G5.3	The outcome of the investigation carried out under condition G5.1 and the reasonable and practicable measures implemented under condition G5.2 must be recorded.
G6.0	**Environmental risk management procedures** Written procedures must be developed and implemented by an **appropriately qualified person** that ensure: a) all potential risks to the environment from the carrying out of the **activity** are identified and assessed, including: i) during routine operations; and ii) outside routine operations (e.g., maintenance, start up and shut down); and iii) during preparation, rehabilitation, and closure; and iv) in an emergency (e.g., fire, flood or other natural disaster); and b) for each potential risk identified, any necessary measures to prevent or minimise the potential for environmental harm are implemented; and c) staff understand their obligations under this environmental authority and the *Environmental Protection Act 1994*; and d) environmental risk management procedures are continually reviewed and improved, based on a reasonable risk-management approach.

<table>
<tr><th>Ref</th><th>Condition</th></tr>
<tr><td>G7.0</td><td>Plant and equipment
An appropriately qualified person must install, operate, calibrate, and maintain the plant and equipment required to carry out the activity (including monitoring devices) in a proper and effective manner.</td></tr>
<tr><td>G7.1</td><td>Records of installation, calibration and maintenance carried out under condition G7.0 must be kept.</td></tr>
<tr><td>G8.0</td><td>Record keeping
Unless otherwise specified by a condition of this environmental authority, records must be:
a) kept for the period outlined in Table 2 – Record keeping requirements; and
b) provided to the administering authority upon request.
Table 2 – Record keeping requirements
<table>
<tr><th>Description of records</th><th>Retention requirement</th></tr>
<tr><td>Monitoring results.</td><td>Retain for 15 years.</td></tr>
<tr><td>All other records.</td><td>Retain for 5 years.</td></tr>
</table></td></tr>
<tr><td>G9.0</td><td>Chemical storage
Chemicals and fuels in containers of greater than 15 litres must be stored within a secondary containment system.</td></tr>
<tr><td>G10.0</td><td>Monitoring and sampling
All monitoring and sampling required by the conditions of this environmental authority must be carried out, interpreted, and recorded by an appropriately qualified person.</td></tr>
<tr><td>G10.1</td><td>Unless otherwise authorised in writing by the administering authority, all laboratory analyses required under this environmental authority must be carried out by a laboratory that has National Association of Testing Authorities (NATA) accreditation for such analyses.
The only exception to this condition is for in situ monitoring of dissolved oxygen, temperature, pH, electronic conductivity and turbidity.</td></tr>
<tr><td>G11.0</td><td>At least 10 business days prior to commencing a dredge operation, written notification must be provided to the administering authority of the following:
a) Commencement date of the dredge operation; and
b) Footprint of the area subject to the dredge operation; and
c) Quantity of material (in tonnes) subject to the dredge operation; and
d) Expected end date of the dredge operation.</td></tr>
<tr><td>G12.0</td><td>Sampling and Analysis Plan (SAP)
The characterisation of sediments and suitability for beach nourishment of dredged material must be determined no more than five years before a dredge operation is undertaken and must:
a) be prepared by an appropriately qualified person(s); and
b) be in accordance with the methodologies provided in the latest editions of the:
i. National Assessment Guidelines for Dredging 2009, and
ii. Queensland Acid Sulfate Soil Technical Manual version 5.1; and</td></tr>
</table>

Ref	Condition
	c) Be submitted to the **administering authority** for comment prior to commencing the sampling program.
G13.0	Authorised **dredged material** disposal to **land** must only take place within the following locations and for the purpose of beach nourishment: • **Beach Nourishment Area** on *Site Plan, Locality Plan, Tables and Typical Sections* prepared by *Department of Transport and Main Roads*, dated *26/03/2025*, reference *MB-15-2-1*, revision *B*; and • **Final Design Fill Level** on *Site Plan, Locality Plan, Tables and Typical Sections* prepared by *Department of Transport and Main Roads*, dated *26/03/2025*, reference *MB-15-2-1*, revision *B*.
G14.0	Prior to commencing a **dredge operation**, a **Dredge Management Plan** (DMP) for the **activity** must be developed and implemented, and the **Dredge Management Plan** must contain the following: 1. Clearly stated aims and objectives. 2. Description of dredging operation including: a. type of equipment to be used in **dredging**; b. volume of **dredged material** to be removed, and duration and timing of the **dredging** campaign; c. methods to be utilised for transporting **dredged material**; and d. **dredged material** disposal methods. 3. Maps or plans showing: a. legend, north arrow and scale; a. boundaries of **dredging** operation; b. estimated or modelled **zone of influence** of **sediment plumes**; c. location of designated disposal sites; d. location of **sensitive receptors**; and e. all monitoring locations. 4. A detailed description of **sediment plume-associated monitoring** program including: a. sampling regime and methods; and b. monitoring sites. 5. A detailed description of the assessment methodology to provide data in relation to **trigger values** that will define **alert levels**. 6. Clearly set out data handling and evaluation procedures that demonstrate how exceedance of **alert levels** will be determined. 7. Management actions to be initiated if **alert levels** are exceeded. The **Dredge Management Plan** must be submitted to the **administering authority** for comment prior to commencing the **dredge operation**.
Schedule: Waste	
W1.0	All waste must be lawfully reused, recycled or removed to a facility that can lawfully accept the waste.
Schedule: Water	

Ref	Condition
WT1.0	This authority only permits the release of bed sediments necessarily disturbed as a result of dredging, provided that the release of those bed sediments does not extend beyond 100m of the **dredge footprint** and 50m of the **disposal location** authorised in G1.0.
WT1.1	A **sediment plume** monitoring program must: a) be developed and implemented by an **appropriately qualified person(s)**; and b) include management actions to ensure the requirements of Condition WT1.0 will be met.
WT1.2	Dredging must cease while the **sediment plume** extends within 100m of a **sensitive receptor**.
WT2.0	**Marine Megafauna** At all times during dredging, an **appropriately qualified person(s)** must undertake observational monitoring for the presence of **marine megafauna**.
WT2.1	If **marine megafauna** are observed within 100m of the dredging, dredging must cease immediately and not recommence until: 1. The **marine megafauna** are observed to travel beyond the 100m observation distance; or 2. A 30 minute period has passed since any **marine megafauna** has been observed in the 100m observation zone by the **appropriately qualified person** conducting monitoring required by condition WT2.0.
WT3.0	A silt curtain must be deployed around the **disposal site** during the **dredge operation** and **beach nourishment**.
WT4.0	**Prescribed water contaminants** must not be released during transfer of dredge materials between the **dredge footprint** and the **disposal site**.
Schedule: Noise	
N1.0	Noise generated by the **activity** must not cause environmental nuisance to any **sensitive place** or **commercial place**.
Schedule: Air	
A1.0	Other than as permitted within this environmental authority, odours or airborne contaminants must not cause environmental nuisance at a **sensitive place** or **commercial place.**
Schedule: Land	
L1.0	Treatment and management of acid sulfate soils must comply with the latest edition of the *Queensland acid sulfate soil technical manual* (available on the Queensland government website).

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.

Activity means the environmentally relevant activities to which the environmental authority relates.

Appropriately qualified person means a person who has professional qualifications, training, skills or experience relevant to the EA requirements and can give authoritative assessment, advice and analysis in relation to the EA requirements using the relevant protocols, standards, methods or literature.

Beach nourishment means the replenishment of a beach system using imported sediment to balance erosion losses or to re-establish a wider beach and dune system. It does not include the creation of a new beach

Capital dredging is dredging of a site for the first time, conducted as a single dredge operation, for the purpose of constructing the navigation channel.

Commercial place means a place, or part of a place, used as a workplace, an office or for business or commercial purposes.

Disposal location is **'**Beach Nourishment Area' on *Site Plan, Locality Plan, Tables and Typical Sections* prepared by *Department of Transport and Main Roads*, dated *26/03/2025*, reference *MB-15-2-1*, revision *B*.

Dredge footprint is the area being dredged and includes its surrounding batters.

Dredge operation means a single instance of the **activity** being conducted. A single dredge operation is completed when either:

1. material has been removed from the **dredge footprint** and the **placement** of the material has been completed; or
2. a period of 1 month following the proposed dredge operation end date has passed.

Dredged material means mud, sand, coral, shingle, gravel, clay, earth and other material removed by dredging. Dredged material includes dredge spoil and extracted quarry material.

Dredging means the extraction of mud, sand, coral, ballast, shingle, gravel, clay, earth and other material from the bed of Queensland tidal and non-tidal **waters**. Dredging does not include the extraction of material from the banks of a waterway.

Land, for the purposes of these conditions, does not include:

a) the airspace above land; or
b) land that is, or is at any time, covered by **waters**; or
c) **waters**.

Maintenance dredging is dredging to ensure the vessel access channel is maintained within the designed dimensions

Marine megafauna means cetaceans, pinnipeds, sirenians, marine and estuarine reptiles, large fishes such as billfishes, tunas, sharks and rays and seabirds.

Monitoring results includes analysis results (laboratory and in situ) and monitoring reports.

Placement means the deposition of the material removed from the dredge basin and includes any works undertaken for dewatering and treatment of the material.

Records include any written procedures, plans, **monitoring results**, and monitoring programs required under a condition of this environmental authority.

Secondary containment system means a system designed, installed and operated to prevent any release of contaminants from the system, or containers within the system.

Sediment plume means a plume of sediment created from the mobilisation of bed sediments necessarily disturbed by the dredging **activity**. It also includes any plume created as a result of authorised **placement** of material in **waters**.

Sensitive receptor includes biological **sensitive receptors** together with other environmental values that may be negatively impacted by the **activity**.

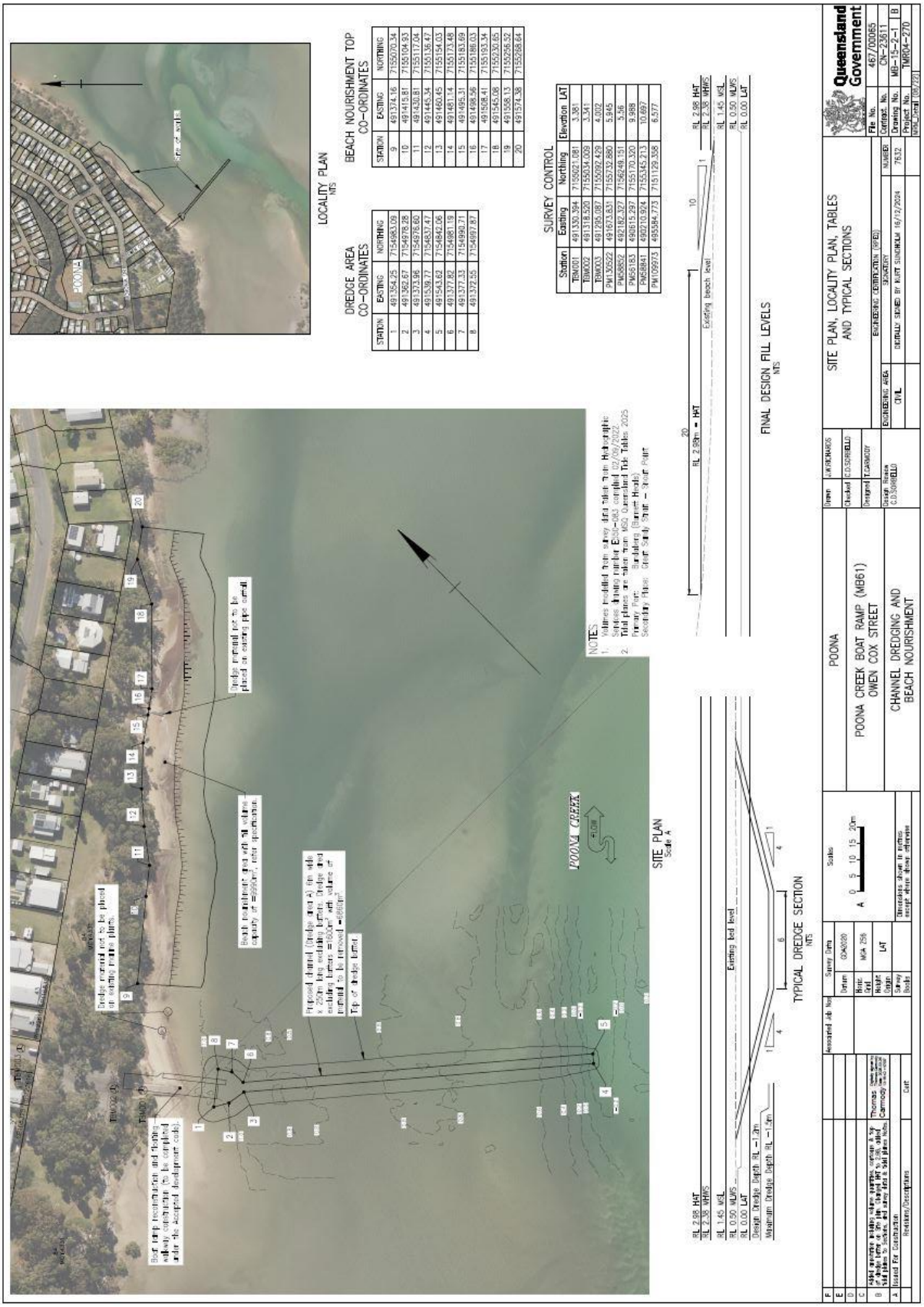
Trigger values are physicochemical, parameter-specific measurement values used to indicate a condition where an environmental value or sensitive receptor may be at low, moderate or high risk, or some other risk-related indicator.

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.

Zone of influence means the area, not including the **dredge footprint**, where impacts associated with **sediment plumes** may occur.

Appendices

Appendix A – Site plan, locality plan, tables and typical sections.



END OF ENVIRONMENTAL AUTHORITY