

Permit

Environmental Protection Act 1994

Environmental authority EPPR00604113

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

Environmental authority number: EPPR00604113

Environmental authority takes effect on the date it is signed by the delegate.

*The anniversary date of this environmental authority remains as **4 January**. An annual return and the payment of the annual fee will be due each year on this day. An annual return will be due each year on **1 March**.*

Environmental authority holder(s)

Name(s)	Registered address
PORT OF BRISBANE PTY LTD	Port Office 3 Port Central Avenue PORT OF BRISBANE QLD 4178

Environmentally relevant activity and location details

Environmentally relevant activity/activities	Location(s)
ERA 16 - Extraction and Screening 1: Dredging, in a year, the following quantity of material (d) more than 1,000,000t	Adjacent to Lot 36 on NPW662
ERA 16 - Extraction and Screening 1: Dredging, in a year, the following quantity of material (d) more than 1,000,000t	Adjacent to LOT 1 on SP299911
ERA 16 - Extraction and Screening 1: Dredging, in a year, the following quantity of material (d) more than 1,000,000t	Adjacent to LOT 2 on SP299911
ERA 16 - Extraction and Screening 1: Dredging, in a year, the following quantity of material (c) more than 100,000t but not more than 1,000,000t.	Adjacent to LOT 88 on SP108337
ERA 16 - Extraction and Screening 1: Dredging, in a year, the following quantity of material (c) more than 100,000t but not more than 1,000,000t.	Adjacent to LOT 98 on SP236540

Environmentally relevant activity/activities	Location(s)
ERA 16 - Extraction and Screening 1: Dredging, in a year, the following quantity of material (c) more than 100,000t but not more than 1,000,000t.	47A Pamela Street PINKENBA QLD 4008 - LOT 1220 on CP903460

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.

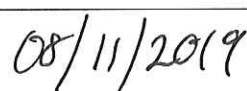
However, if the EA is authorising an activity that requires an additional authorisation (a relevant tenure for a resource activity, a development permit under the *Planning Act 2016* or an SDA Approval under the *State Development and Public Works Organisation Act 1971*), this EA will not take effect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

Rebecca Griffiths
Department of Environment and Science
Delegate of the administering authority
Environmental Protection Act 1994


Date**Enquiries:**

Department of Environment and Science
GPO Box 2454
BRISBANE QLD 4001
Phone: 1300 130 372
Fax: 07 3330 6037
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:

- 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.

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 Environment and Science to ensure that you have the most current version of the environmental authority relating to this site.

Conditions of environmental authority

ERA	Location
ERA 16 Extractive activities (1)(d) dredging, in a year, the following quantity of material— more than 1,000,000t.	Adjacent to Lot 1 Plan SP299911
ERA 16 Extractive activities (1)(d) dredging, in a year, the following quantity of material— more than 1,000,000t.	Adjacent to Lot 2 Plan SP299911
ERA 16 Extractive activities (1)(d) dredging, in a year, the following quantity of material— more than 1,000,000t.	Adjacent to Lot 36 Plan NPW662
ERA 16 Extractive activities (1)(c) dredging, in a year, the following quantity of material— more than 100,000t but not more than 1,000,000t.	Adjacent to Lot 88 Plan SP108337
ERA 16 Extractive activities (1)(c) dredging, in a year, the following quantity of material— more than 100,000t but not more than 1,000,000t.	Adjacent to Lot 98 Plan SP236540
ERA 16 Extractive activities (1)(c) dredging, in a year, the following quantity of material— more than 100,000t but not more than 1,000,000t.	47A Pamela Street PINKENBA QLD 4008 - Lot 1220 Plan CP903460

The environmentally relevant activities conducted at the locations as described above must be conducted in accordance with the following site specific conditions of approval.

Agency interest: General	
Condition number	Condition
G1	This environmental authority attaches to the area described as the 'Port of Brisbane Port Limits' as defined by the <i>Transport Infrastructure Act 1994</i> and subordinate legislation.
G2	This environmental authority authorises ERA 16 (dredging) that is for maintenance work on lawful work as specified by the diagrams in Attachments A - I (<i>map references 118948-1 to 118948-2 dated 2010, 118948-3B revised 06/03/2019, 118948-4 dated 2010, 118948-5D revised 02/10/2019, 118948-6 to 118948-7 dated 2010, 118948-8B revised 02/10/2019 and 113969 dated 17/10/06</i>).
G3	The port authority of the port area to which this authority attaches must maintain direction of any operator carrying out an activity authorised by this permit.
G4	The operator must ensure that environmental harm is not caused by this ERA except where specifically permitted by a condition of this environmental authority .
G5	The operator must: (a) install all measures, plant and equipment necessary to ensure compliance with the conditions of this environmental authority; (b) maintain and calibrate such measures, plant and equipment in an efficient condition and keep records of the maintenance; and (c) operate such measures, plant and equipment in an efficient manner.

G6	The operator must implement a site based management plan (SBMP) from the commencement of this ERA. The SBMP must identify all causes of environmental harm, including but not limited to the actual and potential release of any contaminants, the nature of the environmental harm and the actions that will be taken to prevent environmental harm being caused. The SBMP must be made available to the administering authority when requested. The SBMP must achieve the following outcomes: (a) material intended to be dredged under this permit is tested and analysed in accordance with the latest version of the <i>National Assessment Guidelines for Dredging 2009</i>; (b) significant and sensitive receptors (including for example wetland and ecosystem features) in the port area are identified and mapped; (c) environmental aspects and potential impacts are identified; (d) all waste resulting from the activity is managed in a documented waste management plan; (e) all potential discharges to water are managed in a documented plan; (f) control measures that minimise the potential for environmental harm are in place; (g) contingency plans and emergency procedures are in place; (h) organisational structures, accountability and responsibility is recorded; (i) arrangements for effective communication are documented and undertaken; (j) all contaminant releases are monitored; (k) staff are trained and aware of the requirements of this authority; (l) appropriate records are kept; and (m) reviews of environmental performance and continual improvement are undertaken periodically.
G7	The SBMP must not be implemented or amended in a way that contravenes any condition of this environmental authority .
G8	The operator must implement a monitoring plan that complies with the latest version of the administering authority's Water Quality Sampling Manual from the commencement of this environmental authority. The monitoring plan must achieve the following outcomes: (a) long-term ecological impacts associated with dredging operations are monitored; (b) compliance with the conditions of this authority is monitored; and (c) operations are adjusted in response to monitoring results to ensure compliance with environmental authority conditions.
G9	The monitoring plan must include (but not be limited to) the following: (a) a description of the dredge equipment to be used, including the discharge points for turbid waters; (b) a plan for the lawful disposal of the dredged material; (c) a list of environmental values located within and adjacent to the dredge operation; (d) the methods for collection and analysis of the samples (including specific areas to be monitored, when monitoring is to be undertaken and duration of monitoring); and (e) the methods of analysing the data and responding to the results.
G10	The monitoring plan and monitoring results must be made available to the administering authority upon request.
G11	Monitoring must be done by a competent person in accordance with methods set out in the latest version of the administering authority's water quality sampling manual.

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G12	The operator must maintain a record of sites where dredging is carried out (specifying the boundaries of the dredged area by GPS coordinates) and the volume of material removed from each site (to the nearest tonne), and submit these records to the port authority .
G13	The port authority must maintain a record of all documents or information provided under condition G12 and all monitoring results required by this authority .
G14	All records required by this authority must be kept for five years and be made available to the administering authority upon request.
G15	The port authority must record the following details for all complaints received and provide to the administering authority upon request: (a) time, date, name and contact details of the complainant (b) reasons for the complaint (c) details of investigations undertaken by the port authority (d) conclusions formed (e) actions taken to resolve the complaint.
G16	Any incident of environmental harm (including a reasonable suspicion that environmental harm has or is likely to have occurred) outside the lawful work as specified in condition G2 must be reported as soon as practicable to the relevant administering authority regional office.
Agency interest: Air	
Condition number	Condition
A1	The release of airborne contaminants from the activity must not cause environmental nuisance .
Agency interest: Noise	
Condition number	Condition
N1	Noise from the activity must not cause environmental nuisance .
Agency interest: Water	
Condition number	Condition
W1	Contaminants must not be directly or indirectly released to waters other than wastewater released from the discharge point during the loading and unloading of dredge spoil.
W2	In carrying out the ERA, the release of contaminants (including any release caused by extraction of material from the bed of waters) must: (a) only occur within the permitted areas specified in condition G2 (b) not have any properties which are capable of causing environmental harm (c) not produce any slick or other visible evidence of oil or grease, nor contain visible floating oil, grease, scum, litter or other objectionable matter (d) be carried out taking all practicable measures necessary to minimise the concentration of suspended solids released during the loading and pump-out of the vessel.
W3	Spillage of all chemicals and fuels must be contained within a containment system on the vessel and controlled in a manner that prevents environmental harm.

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W4	Any dredging must be conducted using equipment that is in survey and registered and, in relation to environmental performance, is equal to or better than the following equipment: (a) Trailing Suction Hopper Dredge that is equipped, as a minimum, with: (i) below keel discharge of tail waters via an anti-turbidity control valve; (ii) on-board systems for determining solids to water ratio or density of dredged material; (iii) electronic positioning and depth control system for defining the location and depth of dredging activities; and (iv) dredge heads and depth control capable of, and where appropriate, fitted with fauna exclusion devices (e.g. turtle deflectors). (b) Cutter Suction Dredge that is equipped, as a minimum, with: (i) electronic positioning and depth control system for defining the location and depth of dredging activities; (ii) continuous delivery connection (e.g. floating or submerged pipeline) to an approved placement site; (iii) a system or process to ensure the delivery system integrity is maintained at all times; and (iv) systems for determining solids to water ratio or density of dredged material during operations. (c) Grab Dredge that is equipped, as a minimum, with: (i) electronic positioning system for defining the location and depth of dredging activities.
W5	Dredging must not start until provision has been made to lawfully place or dispose of the dredge material. Evidence of applicable approvals must be made available to the administering authority when requested.
W6	Material dredged under this authority must not be placed at sea except at a place authorised under an authority, licence or other permit issued by either or both the Commonwealth or Queensland governments to receive the dredged material.
W7	Placement of dredge material on land must be undertaken in accordance with the requirements of the '<i>State Planning Policy for Planning and Managing Development Involving Acid Sulphate Soils</i>' and the '<i>National Environmental Protection (Assessment of site contamination) Measure</i>'.
W8	Placement of dredge material on land (other than for beach nourishment) must be in a containment area that is certified as fit for purpose by a registered professional engineer of Queensland (RPEQ) and maintained to the condition certified.
W9	Placement of dredge material on land for beach nourishment must be authorised under an authority, licence or other permit issued by either or both the Commonwealth and Queensland governments for beach nourishment.

Definitions

Key terms and/or phrases used in this document are defined in this section and **bolded** throughout this document. Note that 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 Department of Environment and Science or its successors or predecessors.

Authority means this Environmental Authority issued under the *Environmental Protection Act 1994*.

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 mechanical removal of material from below naturally occurring surface **waters**. It excludes minor adjustments to the bed surface to level troughs and peaks and where bed material is only redistributed locally (bed levelling).

Environmental nuisance as defined in Chapter 1 of the *Environmental Protection Act 1994*.

Environmental value as defined in Chapter 1 of the *Environmental Protection Act 1994*.

Lawful work means work in accordance with an environmental authority. For the purposes of this guideline and model conditions, lawful work is limited to the following work:

- (i) berth pockets, and approach and departure aprons
- (ii) navigation channels
- (iii) swing basins.

Maintenance work on lawful work means maintaining works in accordance with the environmental authority. Examples of maintenance work include excavation of material for repair or maintenance of the approved dredge basin. Examples of work not considered to be maintenance work include work to extend the boundaries of an approved dredge basin in any dimension (including depth) or any new dredging not covered by a environmental authority.

Operator means any of the following:

- (i) a person having the benefit of this environmental authority
- (ii) the holder of an environmental authority
- (iii) anyone undertaking the activity to which this environmental authority relates (Note: it is an offence to carry out work under an environmental authority without being a registered suitable operator)

Port area means as defined in section 267 of the *Transport Infrastructure Act 1994*

Port authority means an organisation as defined in Schedule 2 of the *Transport Infrastructure (Ports) Regulation 2016* or an organisation having the lawful responsibility for the management and operation of a port area.

Site based management plan for an environmentally relevant activity or activities, means a plan for the management of the environmental impacts of the carrying out of the activity or activities.

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.

Schedule 1 – Approved Plans / Specifications

Document No.	Document Name	Date
118948-1	Maintenance Dredging - Allocation of Quarry Material (Sheet 1 of 8)	2010
118948-2	Maintenance Dredging - Allocation of Quarry Material (Sheet 2 of 8)	2010
118948-3B	Maintenance Dredging - Allocation of Quarry Material (Sheet 3 of 8)	06/03/2019
118948-4	Maintenance Dredging - Allocation of Quarry Material (Sheet 4 of 8)	2010
118948-5D	Maintenance Dredging - Allocation of Quarry Material (Sheet 5 of 8)	02/10/2019
118948-6	Maintenance Dredging - Allocation of Quarry Material (Sheet 6 of 8)	2010
118948-7	Maintenance Dredging - Allocation of Quarry Material (Sheet 7 of 8)	2010
118948-8B	Maintenance Dredging - Allocation of Quarry Material (Sheet 8 of 8)	02/10/2019
113969	Maintenance Dredging - Defined Depths - Boat Passage West	17/10/06

Attachments

Attachment A - Plan Number 118948-1 - Maintenance Dredging - Allocation of Quarry Material 2010

Attachment B - Plan Number 118948-2 - Maintenance Dredging - Allocation of Quarry Material 2010

Attachment C - Plan Number 118948-3B - Maintenance Dredging - Allocation of Quarry Material 06/03/2019

Attachment D - Plan Number 118948-4 - Maintenance Dredging - Allocation of Quarry Material 2010

Attachment E - Plan Number 118948-5D - Maintenance Dredging - Allocation of Quarry Material 02/10/2019

Attachment F - Plan Number 118948-6 - Maintenance Dredging - Allocation of Quarry Material 2010

Attachment G - Plan Number 118948-7 - Maintenance Dredging - Allocation of Quarry Material 2010

Attachment H - Plan Number 118948-8B - Maintenance Dredging Allocation of Quarry Material 02/10/2019

Attachment I - Plan Number 113969- Maintenance Dredging - Defined Depths - Boat Passage West 17/10/06

NOTE:

1. LIMIT OF WORKS INDICATES THE TOP OF THE BATTER
2. DREDGED MATERIAL IS TO BE PLACED IN THE APPROVED RE-CRAWLION AREA.

SECTION 16 (SECTION NO. 118948-1)

SCALE: 1:2000 (Horizontal & Vertical)

MAINTENANCE DREDGING

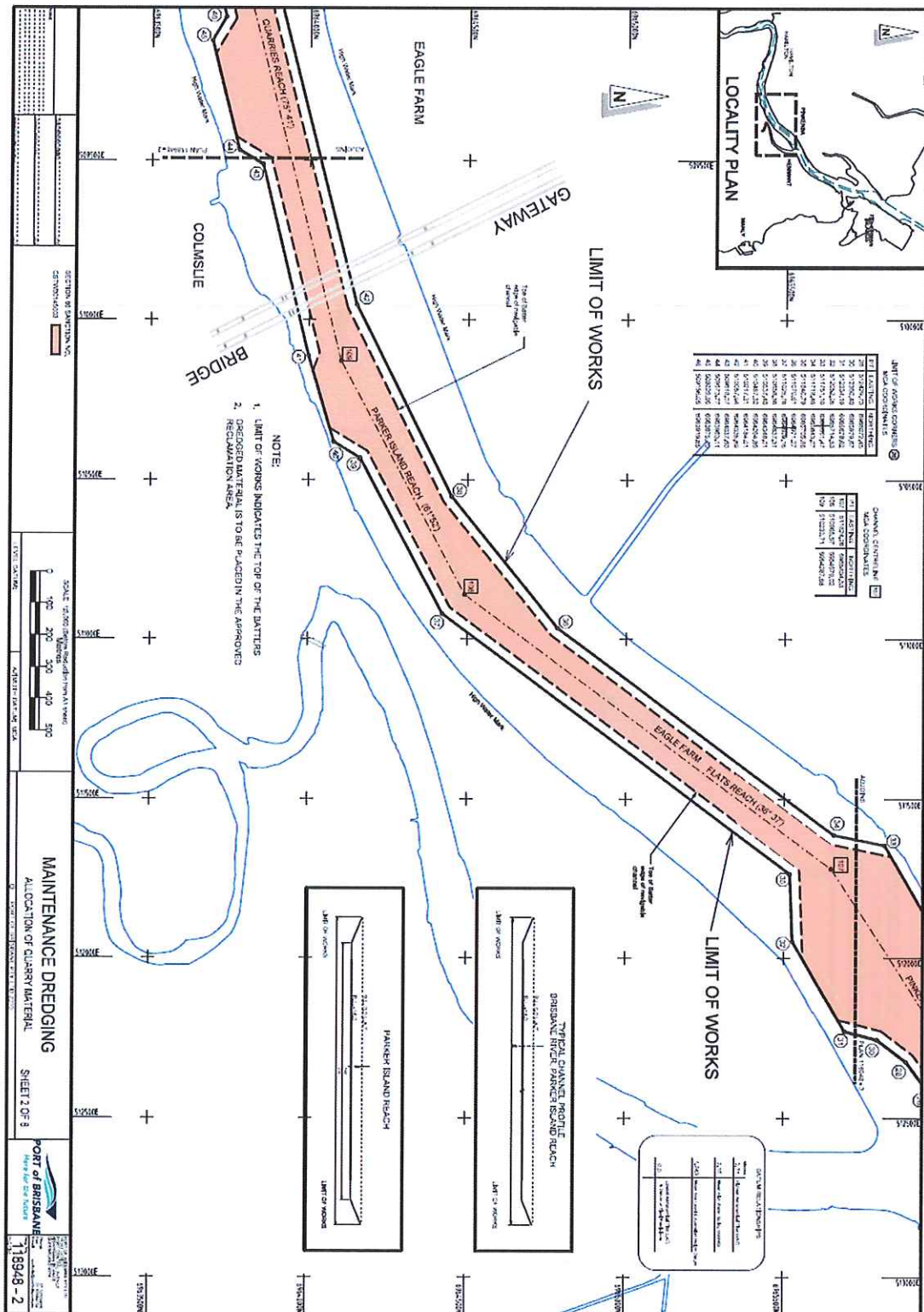
ALLOCATION OF QUARRY MATERIAL

SHEET 1 OF 8

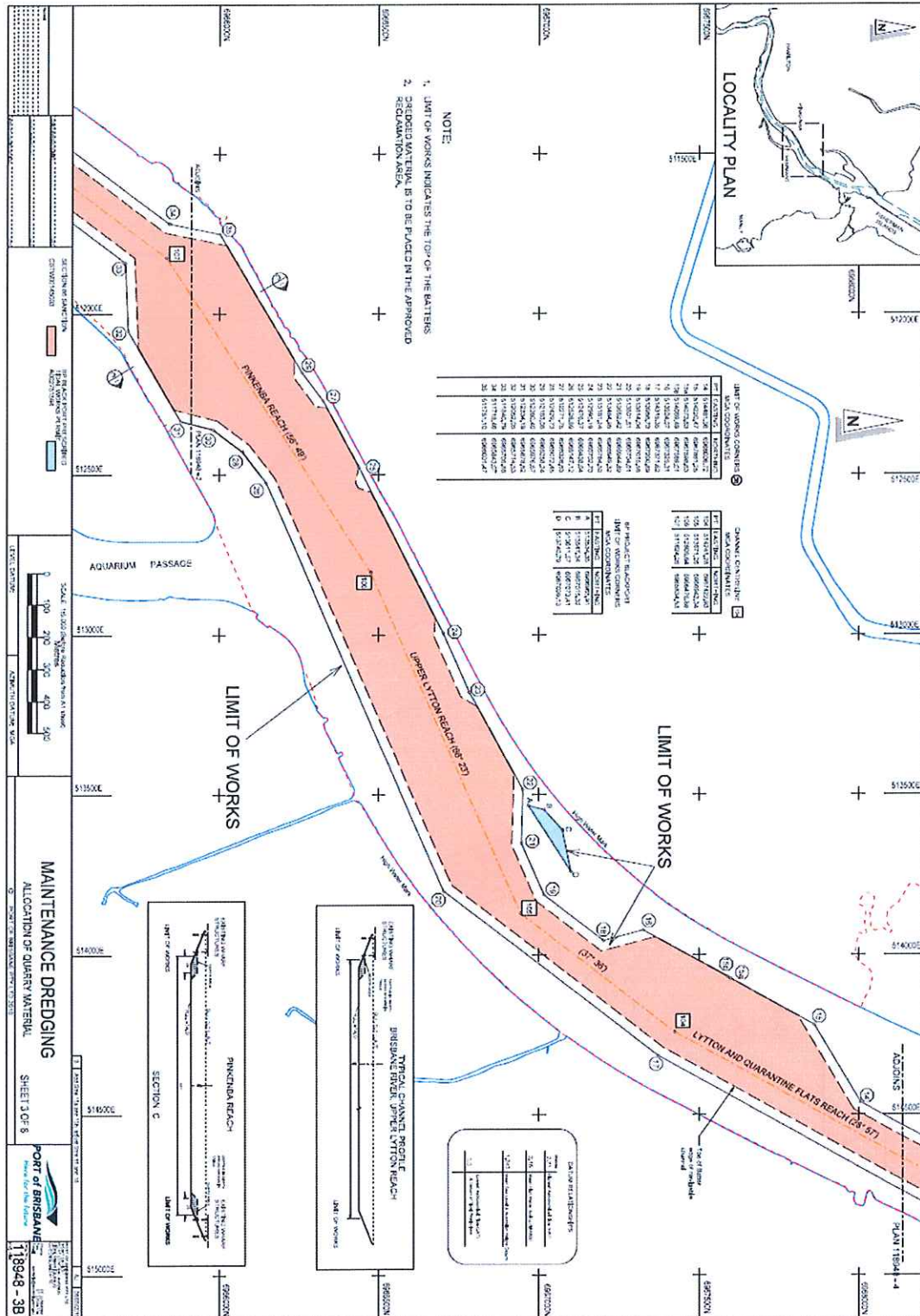
PORT OF BRISBANE

118948-1

ATTACHMENT B - Plan Number 118948-2



ATTACHMENT C - Plan Number 118948-3B



LOCALITY PLAN

NOTE

1. LIMIT OF WORKS INDICATES THE TOP OF THE BATTERS.
2. DREDGED MATERIAL IS TO BE PLACED IN THE APPROVED RECLAMATION AREA.

TYPICAL CHANNEL PROFILE
BRISBANE RIVER LYTTON ROCKS REACH
LIMIT OF WORKS

LYTTON ROCKS REACH
LIMIT OF WORKS

PELICAN BANKS REACH (5° 45')

LYTTON AND QUARANTINE REACHES (18° 24')

LIMIT OF WORKS

MAINTENANCE DREDGING

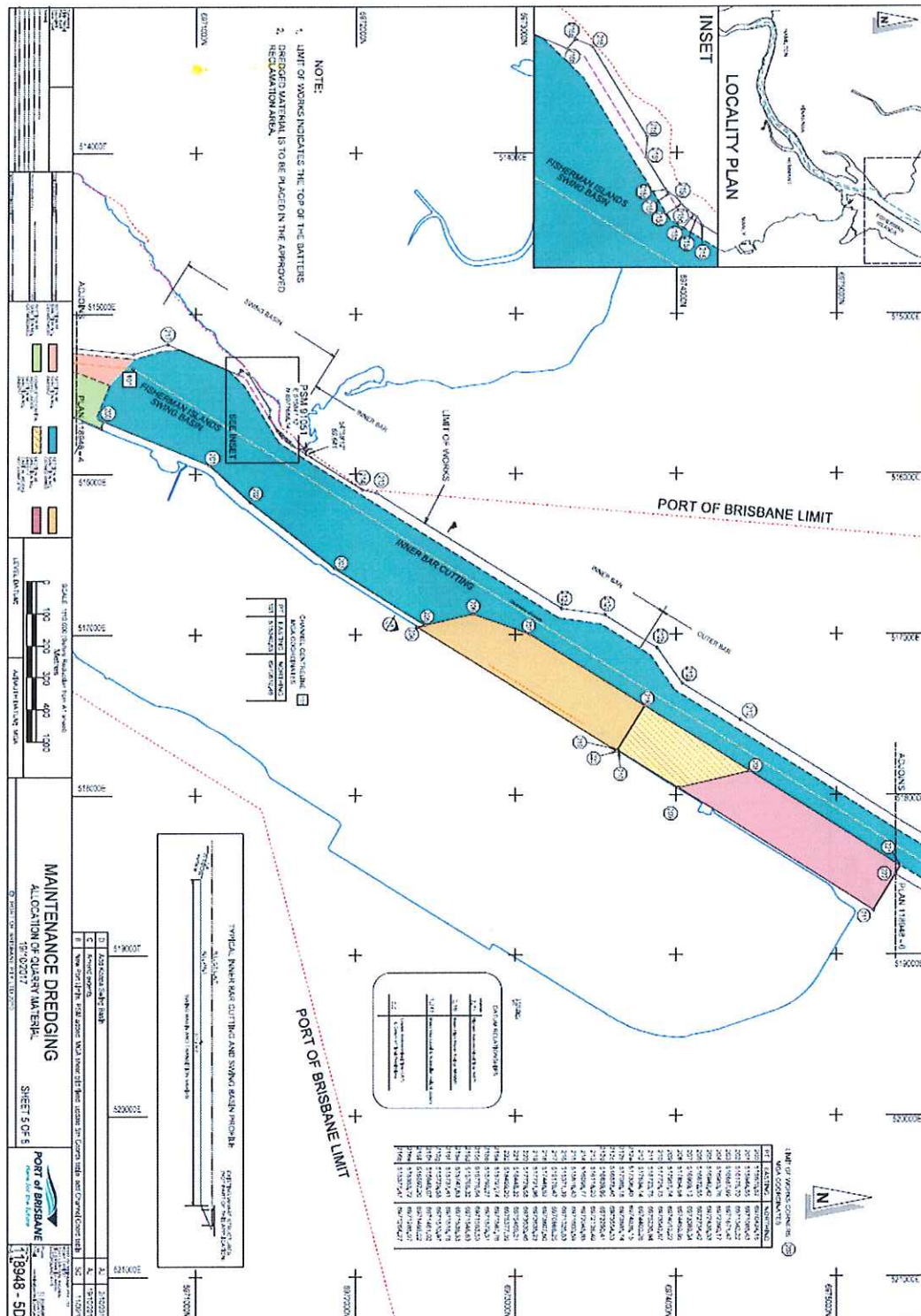
ALLOCATION OF QUARRY MATERIAL

SHEET 4 OF 8

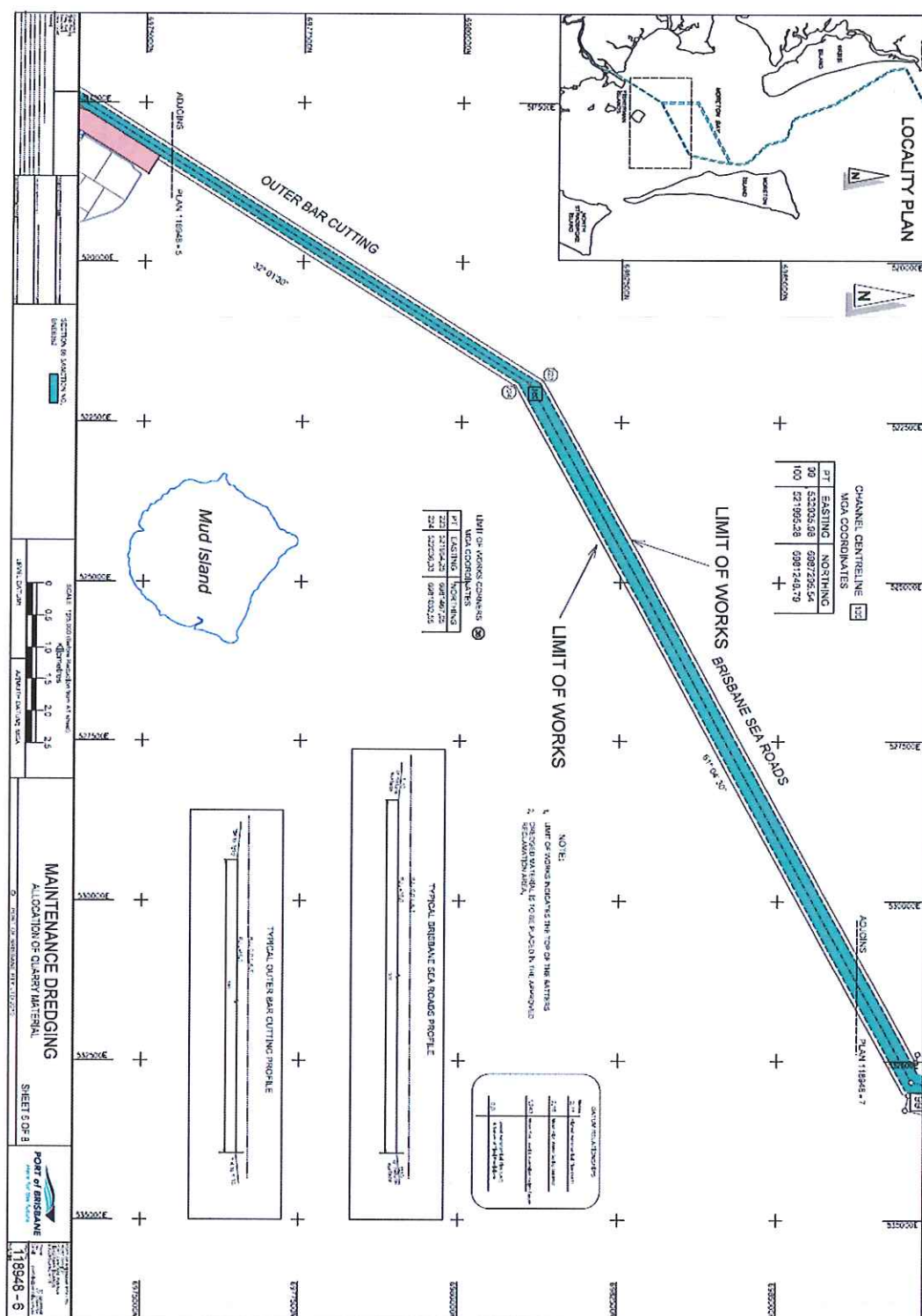
PORT OF BRISBANE

118948 - 4

ATTACHMENT E - Plan Number 118948-5D



ATTACHMENT F - Plan Number 118948-6

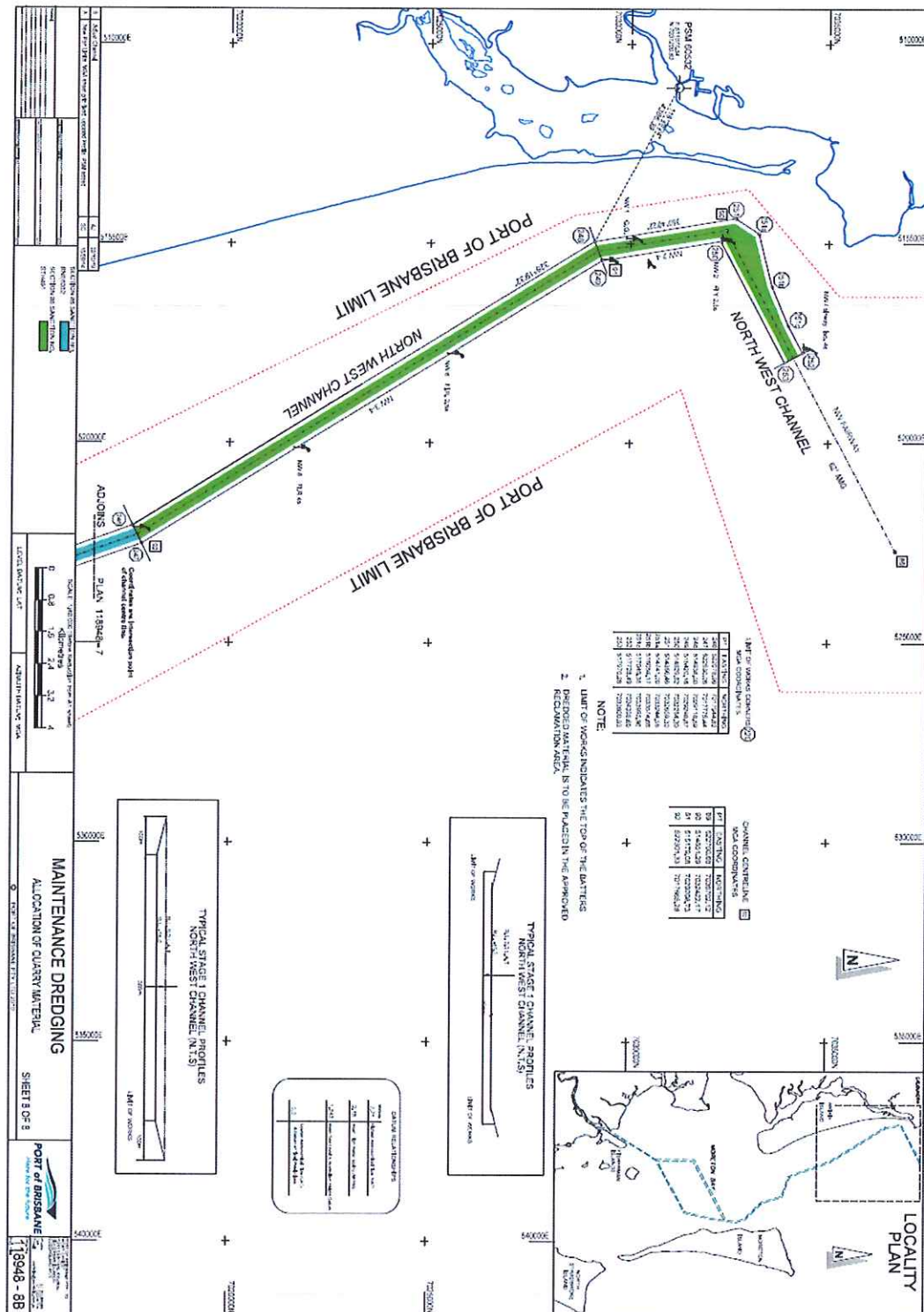


LOCALITY PLAN

TABLE OF WORK PROPOSED

STATION	FROM	TO	DEPTH (m)	COORDINATES
101	100+00	100+50	10.0	100+00
102	100+50	101+00	10.0	100+50
103	101+00	101+50	10.0	101+00
104	101+50	102+00	10.0	101+50
105	102+00	102+50	10.0	102+00
106	102+50	103+00	10.0	102+50
107	103+00	103+50	10.0	103+00
108	103+50	104+00	10.0	103+50
109	104+00	104+50	10.0	104+00
110	104+50	105+00	10.0	104+50
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159	129+00	129+50	10.0	129+00
160	129+50	130+00	10.0	129+50
161	130+00	130+50	10.0	130+00
162	130+50	131+00	10.0	130+50

ATTACHMENT H - Plan Number 118948-8B



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END OF PERMIT

