Permit

Environmental Protection Act 1994

Environmental authority EPPR02395814

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

Environmental authority number: EPPR02395814

Environmental authority takes effect on the date of approval**.**

The anniversary date of this environmental authority remains **30 August.**

The payment of the annual fee will be due each year on this day.

Environmental authority holder

Name	Registered address
Moreton Bay City Council ABN 92 967 232 136	2 Haskings Street, CABOOLTURE QLD 4510

Environmentally relevant activity and location details

Environmentally relevant activity	Locations
ERA 16 – Extraction and Screening 1(c) - Dredging, in a year, the following quantity of material - more than 100,000t but not more than 1,000,000t.	**Sand Extraction Area** Spitfire Channel Resource Area Coordinates: E 526687 N 7008235 E 529602 N 7007168 E 530416 N 7004366 **Beach Nourishment Area** Area between Edwin Schrag Memorial Park to Rotary Park WOORIM Lot 62 on Plan CG2999 and area adjacent to Lot 62 on Plan CG2999 Lot 75 on Plan CG3000 and area adjacent to Lot 75 on Plan CG3000 Lot 208 on Plan CP897897 and area adjacent to Lot 208 on Plan CP897897

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).

Mobile and temporary activities

If you operate a mobile and temporary environmentally relevant activity (ERA), other than regulated waste transport, you are required to maintain a work diary. You must:

- use the approved form for a work diary (ESR/2015/1696);
- keep the work diary records for 2 years after the last entry;
- inform the administering authority within 7 days of the work diary being lost or stolen;
- record the information required in the work diary for each location within 1 day of leaving the location.

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.

DELIVERING FOR QUEENSLAND | Queensland Government

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	Date
	15/06/2026

Rebecca Griffiths

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

Enquiries:

Utilities and Government Organisations Assessment
GPO Box 2454 BRISBANE QLD 4001
Phone: 1300 130 372 (option 4)
Email: palm@detsi.qld.gov.au

ABN 46 640 294 485

DELIVERING FOR QUEENSLAND

Queensland Government

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 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 Natural Resources and Mines, Manufacturing, and Regional and Rural Development (to clear vegetation), and the Department of Primary Industries (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.

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.nrmmrrd.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. 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.dwatsipm.qld.gov.au/.

DELIVERING FOR QUEENSLAND | Queensland Government

Mobile and temporary activities

If you operate a mobile and temporary environmentally relevant activity (ERA), other than regulated waste transport, you are required to maintain a work diary. You must:

- use the approved form for a work diary (ESR/2015/1696);
- keep the work diary records for 2 years after the last entry;
- inform the administering authority within 7 days of the work diary being lost or stolen;
- record the information required in the work diary for each location within 1 day of leaving the location.

Conditions of environmental authority

Environmentally relevant activity	Locations
ERA 16 – Extraction and Screening 1(c) - Dredging, in a year, the following quantity of material - more than 100,000t but not more than 1,000,000t.	**Sand Extraction Area** Spitfire Channel Resource Area Coordinates: E 526687 N 7008235. E 529602 N 7007168 E 530416 N 7004366 **Beach Nourishment Area** Area between Edwin Schrag Memorial Park to Rotary Park WOORIM Lot 62 on Plan CG2999 and area adjacent to Lot 62 on Plan CG2999 Lot 75 on Plan CG3000 and area adjacent to Lot 75 on Plan CG3000 Lot 208 on Plan CP897897 and area adjacent to Lot 208 on Plan CP897897

The environmentally relevant activity 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	**Activities** conducted under this environmental authority must be conducted in accordance with the following limitations: 1. Environmentally relevant **activity** (ERA) 16 — **dredging** at threshold 1 (c) — **dredging** more than 100,000 tonnes to 1,000,000 tonnes of material in a year; and 2. **Dredged material** must only be extracted from the designated sand extraction area identified in Drawing No. WT-25020194-D02, S3, rev. P4, titled *Borrow Area Plan,* dated 15/12/2025; and

DELIVERING FOR QUEENSLAND | Queensland Government

	3. **Dredged material** must only be used for the purpose of beach nourishment at Woorim, Bribie Island QLD 4507, and placement must occur within the area identified in Drawing No. WT-25020194-D01, S3, rev. P4, titled *Nourishment Area Plan*, dated 15/12/2025.
G2	All reasonable and practicable **measures** must be taken to prevent or minimise environmental harm, or likely to be caused, by the activities.
G3	Any breach of a condition of this environmental authority, must be reported to the **administering authority** as soon as 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	All information and **records** that are required by the conditions of this environmental authority must be kept for a minimum of five (5) years. Environmental monitoring results must be kept until surrender of this environmental authority. All information and **records** required by the conditions of this environmental authority must be provided to the **administering authority** upon request.
G6	All monitoring and sampling required by the conditions of this environmental authority must be carried out, interpreted, and recorded by an **appropriately qualified person**.
G7	All laboratory analyses required under this environmental authority must be carried out by a laboratory that has **NATA** accreditation for such analyses. The only exception to this condition is for *in situ* monitoring of turbidity.
G8	When required by the **administering authority**, monitoring must be undertaken in the manner prescribed by the **administering authority**, to investigate a complaint that is not considered by the **administering authority** to be frivolous or vexatious, of **environmental nuisance** arising from the **activity**. The monitoring results must be provided to the **administering authority** upon 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 *Environmental Protection Act 1994* 6. ensure that reviews of environmental performance are undertaken at least annually.
G10	Written notification of the commencement date must be provided to the **administering authority** at least five (5) business days prior to establishing a **new dredging activity**. The written notification must include the following: 1. Commencement date of the dredge operation; and 2. Footprint of the area subject to the dredge and beach nourishment operation; and 3. Quantity of material (in tonnes) subject to the dredge and beach nourishment operation; and 4. Expected end date of the dredge and beach nourishment operation.

DELIVERING FOR QUEENSLAND | Queensland Government

<table>
<tr><td>G11</td><td>Prior to the commencement of the dredging activity, a Dredge Management Plan (DMP) for the activity must be developed and implemented, and the DMP must contain the following:
1. Clearly stated aims and objectives; and
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; and
3. Maps or plans showing:
a) legend, north arrow and scale;
b) boundaries of dredging operation;
c) estimated or modelled zone of influence of sediment plumes;
d) location of designated disposal sites;
e) location of sensitive receptors; and
f) all monitoring locations; and
4. A detailed description of sediment plume-associated monitoring program including:
a) sampling regime and methods; and
b) monitoring sites.</td></tr>
<tr><td>G12</td><td>The Dredge Management Plan must not be implemented or amended in a way that contravenes or is inconsistent with any condition of this authority.</td></tr>
<tr><td>G13</td><td>The Dredge Management Plan must be submitted to the administering authority at least 20 business days prior to the commencement of dredging and amended in accordance with any comments made by the administering authority.</td></tr>
<tr><td colspan="2">Agency Interest: Acoustic</td></tr>
<tr><td>Condition number</td><td>Condition</td></tr>
<tr><td>N1</td><td>Noise from the activity must not exceed the levels identified in Table 1 - Noise limits at any sensitive place or commercial place.

Table 1 - Noise limits
<table>
<tr><td rowspan="2">Sound pressure level dB(A)</td><td colspan="3">Monday to Saturday</td></tr>
<tr><td>7am-6pm</td><td>6pm-10pm</td><td>10pm-7am</td></tr>
<tr><td></td><td colspan="3">Noise measured at a nuisance sensitive place</td></tr>
<tr><td>$L_{A\ max\ adj,\ T}$</td><td>Background +5 dB(A)</td><td>Background +5 dB(A)</td><td>Background +3 dB(A)</td></tr>
<tr><td></td><td colspan="3">Noise measured at a commercial place</td></tr>
<tr><td>$L_{A\ max\ adj,\ T}$</td><td>Background +10 dB(A)</td><td>Background +10 dB(A)</td><td>Background +5 dB(A)</td></tr>
</table>
Where "T" is 10 minutes and "Background" means background sound pressure level Table 1 – Noise limits does not purport to set operating hours for the activity.</td></tr>
</table>

DELIVERING FOR QUEENSLAND | Queensland Government

	Associated monitoring requirements 1. All monitoring devices must be correctly calibrated and maintained. 2. All monitoring of noise emissions from the **activity** must be undertaken when the **activity** is in operation. 3. Noise measurements must be taken using a class 1 sound level meter as classified under AS IEC 61672. 4. All monitoring of noise emissions from the **activity** must be undertaken in accordance with the latest edition of the *Noise measurement manual* (available on the Queensland government website).
N2	When required by the **administering authority**, noise monitoring must be undertaken in accordance with the associated monitoring requirements of *Table 1 - Noise Limits*, and the results notified within 14 days to the **administering authority**. Monitoring must include: 1. $L_{A, max\ adj, T}$ 2. **Background** noise (**Background**) 3. the level and frequency of occurrence of any impulsive or tonal noise 4. atmospheric conditions including wind speed and direction 5. location, date and time of recording.
N3	If an authorised person's opinion is that monitoring results indicate **environmental nuisance** is being caused by the noise from the **activity**, the holder must: 1. Address the complaint indicating the use of appropriate dispute resolution if required; or 2. Immediately implement noise abatement **measures** so that emissions of noise from the **activity** do not result in further **environmental nuisance**,

Agency Interest: Air	
Condition number	**Condition**
A1	Odours or airborne contaminants from the **activity** must not cause **environmental nuisance** to any **sensitive place** or **commercial place**.

Agency Interest: Land	
Condition number	**Condition**
L1	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).

Agency Interest: Water	
Condition number	**Condition**
WT1	The only contaminants to be released to surface **waters** are wastewaters which overflow from the vessel as a result of loading and unloading of **dredged material**.

DELIVERING FOR QUEENSLAND | Queensland Government

WT2	In addition to WT 1, the release to **waters** must not: 1. have any other contaminants at a concentration that is capable of causing environmental harm; and 2. produce any slick or other visible evidence of oil or grease, nor contain visible floating oil, grease, scum, litter or other visually objectionable matter.
Agency Interest: Waste	
Condition number	**Condition**
W1	All waste generated in carrying out the **activity** must be lawfully 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.

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

Administering authority means the Department of the Environment, Tourism, Science and Innovation or its successors or predecessors.

Appropriately qualified person means a person who has professional qualifications, training, skills or experience relevant to the nominated subject matter and can give authoritative assessment, advice and analysis 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 $L_{A90,T}$ 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.

Dredging includes 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 banks of a waterway.

Dredge management plan (DMP) is an environmental management plan for the dredging activity. It defines and describes the:

• scope, timing and duration of the dredging operation

• sediment plume-associated monitoring programs

• assessment of data, trigger values and alert levels, and

• management actions that may be required in response to adverse monitoring results.

The DMP includes an aim to prevent and minimise environmental harm to sensitive receptors as a result of the dredging activity.

DELIVERING FOR QUEENSLAND | Queensland Government

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.

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

$L_{Aeq\ adj,\ T}$ 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.

Measures has the broadest interpretation and include plant, equipment, physical objects, bunding, containment systems, monitoring, procedures, actions, directions and competency.

NATA means National Association of Testing Authorities.

New dredging activity means a dredging activity that is currently not underway, the next stage of a dredging campaign that is currently underway, or a discretely separate area in a larger dredge campaign that is currently underway.

Records include breach notifications, written procedures, analysis results, monitoring reports and monitoring programs required under a condition of this authority.

Release off a contaminant into the environment means to:

a) deposit, discharge, emit or disturb the contaminant
b) cause or allow the contaminant to be deposited, discharged, emitted or disturbed
c) fail to prevent the contaminant from being deposited, discharged, emitted or disturbed
d) allow the contaminant to escape
e) 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:

1. a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
2. a motel, hotel or hostel; or
3. a kindergarten, school, university or other educational institution; or
4. a medical centre or hospital; or
5. a protected area under the *Nature Conservation Act 1992,* the *Marine Parks Act 2004* or a World Heritage Area; or
6. a public park or garden; or
7. for noise, a place listed as a sensitive receptor in Schedule 1 of the Environmental Protection (Noise) Policy 2019.

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.

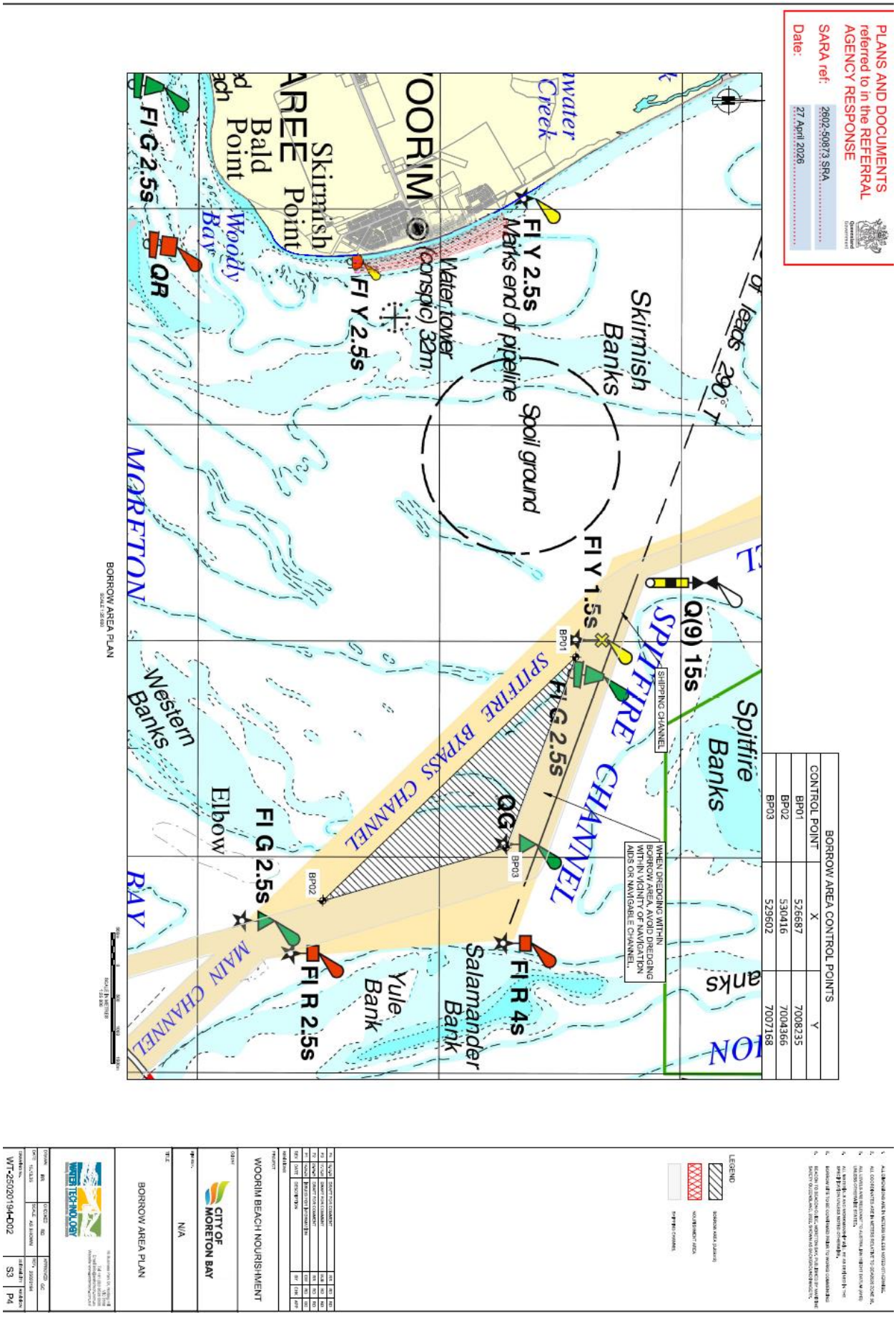
DELIVERING FOR QUEENSLAND | Queensland Government

Schedules

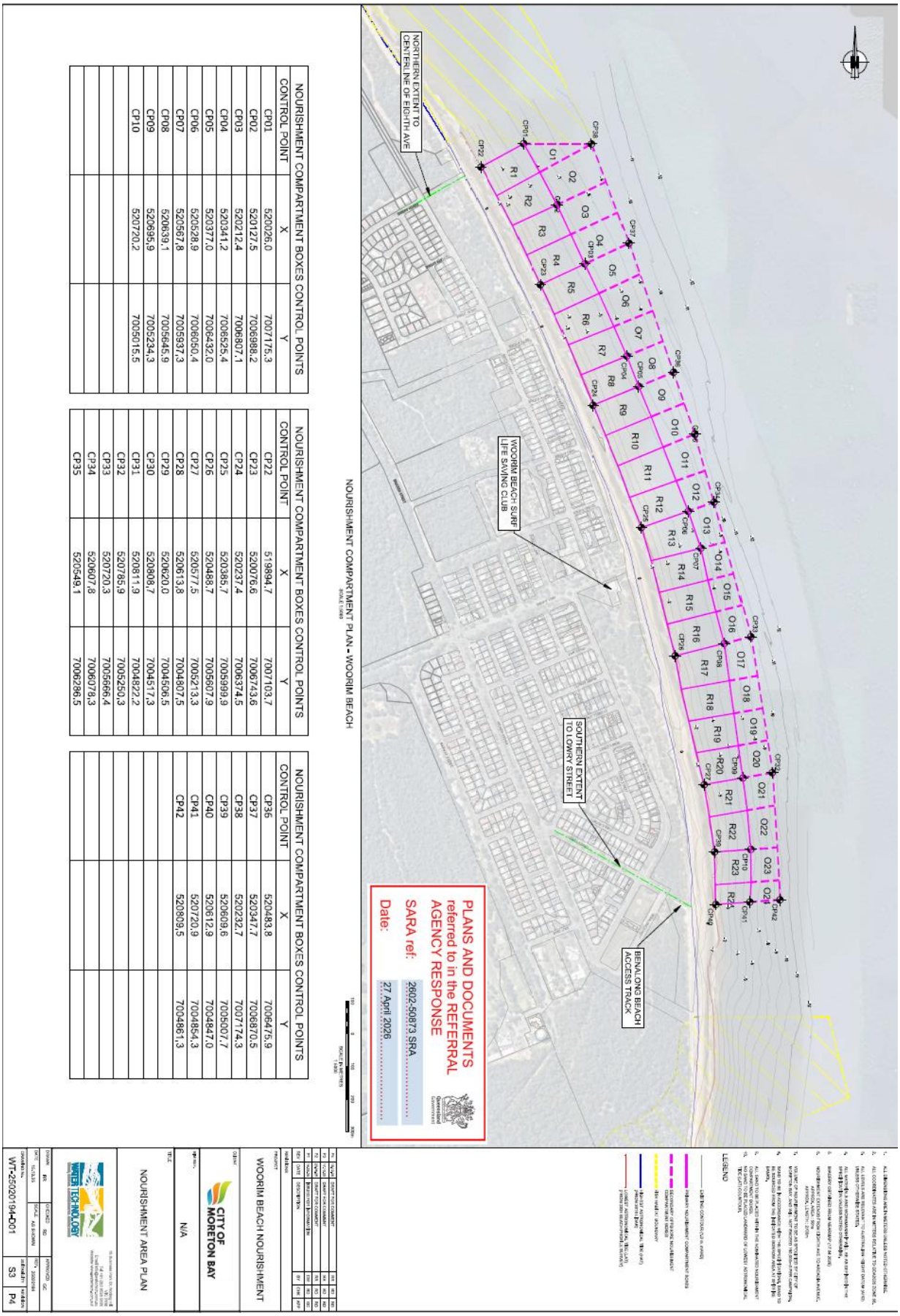
Schedule I - Approved plans

Drawing or document	Reference no.	Version	Date
Borrow Area Plan (Produced by Water Technology)	WT-25020194-D02	rev. P4	15/12/2025
Nourishment Area Plan (Produced by Water Technology)	WT-25020194-D01	rev. P4	15/12/2025
Site Locality and Notes (Produced by Water Technology)	WT-25020194-D00	rev. P4	15/12/2025

DELIVERING FOR QUEENSLAND Queensland Government



DELIVERING FOR QUEENSLAND
Queensland Government



NOURISHMENT COMPARTMENT BOXES CONTROL POINTS

CONTROL POINT	X	Y
CP01	520026.0	7007175.3
CP02	520127.5	7006988.2
CP03	520212.4	7006807.1
CP04	520341.2	7006525.4
CP05	520377.0	7006432.0
CP06	520528.9	7006050.4
CP07	520567.8	7005937.3
CP08	520639.1	7005645.9
CP09	520695.9	7005234.3
CP10	520720.2	7005015.5

NOURISHMENT COMPARTMENT BOXES CONTROL POINTS

CONTROL POINT	X	Y
CP22	519894.7	7007103.7
CP23	520076.6	7006743.6
CP24	520237.4	7006374.5
CP25	520385.7	7005999.9
CP26	520488.7	7005607.9
CP27	520577.5	7005213.3
CP28	520613.8	7004807.5
CP29	520620.0	7004506.5
CP30	520808.7	7004517.3
CP31	520811.9	7004822.2
CP32	520785.9	7005250.3
CP33	520720.3	7005666.4
CP34	520607.8	7006078.3
CP35	520549.1	7006286.5

NOURISHMENT COMPARTMENT BOXES CONTROL POINTS

CONTROL POINT	X	Y
CP35	520483.8	7006475.9
CP37	520347.7	7006870.5
CP38	520232.7	7007174.3
CP39	520609.6	7005007.7
CP40	520612.9	7004847.0
CP41	520720.9	7004854.3
CP42	520809.5	7004861.3

ABN 46 640 294 485

DELIVERING FOR QUEENSLAND

Queensland Government

Environmental authority EPPR02395814

WOORIM BEACH NOURISHMENT

PLANS AND DOCUMENTS referred to in the REFERRAL AGENCY RESPONSE
SARA ref: 2602-50873 SRA
Date: 27 April 2026

DRAWING NUMBER	DRAWING TITLE
WT-25020194-D00	SITE LOCALITY AND NOTES
WT-25020194-D01	NOURISHMENT AREA PLAN
WT-25020194-D02	BORROW AREA PLAN

TIDAL PLANE	LAT DATUM (MSQ, 2025)	AHD (ESTIMATE ONLY)
HIGHEST ASTRONOMICAL TIDE (HAT)	2.20	1.15
MEAN HIGH WATER SPRING (MHWS)	1.76	0.71
MEAN HIGH WATER NEAP (MHWN)	1.45	0.40
MEAN SEA LEVEL (MSL)	0.98	-0.07
AUSTRALIAN HEIGHT DATUM (AHD)	1.05	0
MEAN LOW WATER NEAP (MLWN)	0.64	-0.41
MEAN LOW WATER SPRING (MLWS)	0.33	-0.72

NOTES

1. DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
2. ALL LEVELS ARE RELATIVE TO AUSTRALIAN HEIGHT DATUM (AHD).
3. NO NOURISHMENT TO OCCUR LANDWARD OF LOWEST ASTRONIMICAL TIDE (LAT)



SITE LOCALITY PLAN
NOT TO SCALE

REV	DATE	DESCRIPTION	BY	CHK	APP
P1	15/10/25	DRAFT FOR COMMENT	BR	RD	RD
P2	31/10/25	DRAFT FOR COMMENT	BR	RD	RD
P3	21/11/25	DRAFT FOR COMMENT	BR	RD	RD
P4	16/12/25	ISSUED FOR INFORMATION	DW	RD	GC

PROJECT: WOORIM BEACH NOURISHMENT
CLIENT: CITY OF MORETON BAY
JOB NO.: N/A
TITLE: SITE LOCALITY AND NOTES

WATER TECHNOLOGY

DRAWN	CHECKED	APPROVED
BR	RD	GC
DATE: 15/12/25	SCALE: AS SHOWN	REV: 25020194
DRAWING No.: WT-25020194-D00	SUITABILITY: S3	REVISION: P4

END OF ENVIRONMENTAL AUTHORITY

ABN 46 640 294 485
Queensland Government
DELIVERING FOR QUEENSLAND