

Permit

Environmental Protection Act 1994

Environmental Authority P-EA-100943882

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

Environmental authority number: P-EA-100943882

Environmental authority takes effect on the date that your related development approval COM/2023/249 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
Aqua Adventures Pty Ltd	95 Marine Parade, Southport, 4215

Environmentally relevant activity and location details

Environmentally relevant activity/activities	Location(s)
ERA 16 - Extraction and Screening 1(b) - Dredging, in a year, the following quantity of material - more than 10,000t but not more than 100,000t	95 Marine Parade, Southport, Qld, 4215, formally described as Lot 586 Plan SP338589 and adjacent to Lot 586 Plan SP338589.

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 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(1) 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, in accordance with section 200(2) of the EP Act, the day that the EA takes effect may not be before:

- (a) if the authority is for a resource activity—the day the relevant tenure is granted to the applicant; or
- (b) if a development permit for a material change of use of premises under the *Planning Act 2016* is necessary for carrying out an activity that related to the authority—the day the development permit takes effect; or
- (c) if an SDA Approval under the *State Development and Public Works Organisation Act 1971* is necessary for carrying out an activity that relates to the authority—the day the approval takes 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 EA 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 EA.



Signature

13/3/2026

Date

Amanda Gray

Department of the Environment, Tourism, Science and Innovation

Delegate of the administering authority

*Environmental Protection Act 1994***Enquiries:**Industry and Development Business
Centre

GPO Box 2454, Brisbane QLD 4001

Phone: 1300 130 372

Email: palm@detsi.qld.gov.au

Obligations under the *Environmental Protection Act 1994*

In addition to the requirements found in the conditions of this EA, 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 restore the environment (section 319C)
- 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 EP Act. 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 or 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 Australian Government Department of Climate Change, Energy, the Environment and Water's website at 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, visit Resources Safety and Health Queensland's website at www.rshq.qld.gov.au, or call 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 EA are separate, and in addition to, any conditions that may be on the development approval. If a copy of this EA 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 EA 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 www.dwatsipm.qld.gov.au.

Conditions of environmental authority

Agency interest: General																																																																										
Condition number	Condition																																																																									
G1.0	This environmental authority authorises the activities listed in <i>Table 1 – Authorised activities</i> to the extent that they are carried out in accordance with the activity’s corresponding maximum disturbance size, maximum depth, maximum scale and location. Table 1 – Authorised activities <table><tr><th>Activity</th><th colspan="3">Max. disturbance size (Dredge Footprint)</th><th>Max. depth</th><th>Max. scale</th><th>Location</th></tr><tr><td rowspan="18">ERA 16(1)(b) dredging more than 10,000t but not more than 100,000t in a year</td><td colspan="3">MGA Zone 56 (GDA 2020)</td><td rowspan="18">-2.79 AHD + 500mm overdredge allowance</td><td rowspan="18">33,000 tonnes per year</td><td rowspan="18">586SP338589 and adjacent to 586SP338589 as per Dredge Plan prepared by Gold Coast Australia Aqua Adventure Centre dated 12/12/2025, reference W603, revision E; and as per Dredge Plan Sections prepared by Gold Coast Australia Aqua Adventure Centre dated 12/12/2025, reference W604, revision E</td></tr><tr><td>Station</td><td>Easting</td><td>Northing</td></tr><tr><td>1</td><td>540667.10</td><td>6907085.61</td></tr><tr><td>2</td><td>540718.43</td><td>6907121.09</td></tr><tr><td>3</td><td>540728.23</td><td>6907124.09</td></tr><tr><td>4</td><td>540739.32</td><td>6907117.75</td></tr><tr><td>5</td><td>540744.94</td><td>6907109.70</td></tr><tr><td>6</td><td>540762.41</td><td>6907121.89</td></tr><tr><td>7</td><td>540777.75</td><td>6907139.00</td></tr><tr><td>8</td><td>540783.78</td><td>6907162.03</td></tr><tr><td>9</td><td>540785.13</td><td>6907240.97</td></tr><tr><td>10</td><td>540810.19</td><td>697273.62</td></tr><tr><td>11</td><td>540807.63</td><td>6907123.57</td></tr><tr><td>12</td><td>540758.96</td><td>6907089.61</td></tr><tr><td>13</td><td>540765.76</td><td>6907079.87</td></tr><tr><td>14</td><td>540768.25</td><td>6907068.78</td></tr><tr><td>15</td><td>540762.05</td><td>6907058.98</td></tr><tr><td>16</td><td>540710.72</td><td>6907023.13</td></tr><tr><td colspan="3">Plus Batters</td></tr></table>						Activity	Max. disturbance size (Dredge Footprint)			Max. depth	Max. scale	Location	ERA 16(1)(b) dredging more than 10,000t but not more than 100,000t in a year	MGA Zone 56 (GDA 2020)			-2.79 AHD + 500mm overdredge allowance	33,000 tonnes per year	586SP338589 and adjacent to 586SP338589 as per Dredge Plan prepared by Gold Coast Australia Aqua Adventure Centre dated 12/12/2025, reference W603, revision E; and as per Dredge Plan Sections prepared by Gold Coast Australia Aqua Adventure Centre dated 12/12/2025, reference W604, revision E	Station	Easting	Northing	1	540667.10	6907085.61	2	540718.43	6907121.09	3	540728.23	6907124.09	4	540739.32	6907117.75	5	540744.94	6907109.70	6	540762.41	6907121.89	7	540777.75	6907139.00	8	540783.78	6907162.03	9	540785.13	6907240.97	10	540810.19	697273.62	11	540807.63	6907123.57	12	540758.96	6907089.61	13	540765.76	6907079.87	14	540768.25	6907068.78	15	540762.05	6907058.98	16	540710.72	6907023.13	Plus Batters		
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G1.1	Dredging material must only be tested, treated and dewatered on a hopper and/or barge within the dredge footprint.																																																																									
G1.2	Dredged material must only be lawfully transferred to a third party/ies with written consent for the purpose of beneficial land-based reuse or land-based disposal.																																																																									
G2.0	All reasonably practicable measures must be taken to prevent or minimise environmental harm caused, or likely to be caused, by the activities.																																																																									
G3.0	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 <i>Environmental Protection Act 1994</i>.																																																																									

G4.0	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.
G4.1	As soon as reasonably practicable but no later than 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) reasonably practicable measures that will be implemented to address the cause of the contravention to prevent future contraventions of this nature.
G4.2	As soon as reasonably practicable but no later than 20 business days of investigating a contravention under condition G4.1 (or a longer period agreed to in writing by the administering authority), the reasonably practicable measures identified in the investigation must be implemented.
G4.3	The outcome of the investigation carried out under condition G4.1 and the reasonably 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) reasonably practicable measures that will be implemented to address the complaint.
G5.2	As soon as reasonably practicable but no later than 5 business days of investigating a complaint under condition G5.1 (or a longer period agreed to in writing by the administering authority), the reasonably practicable measures identified in the investigation must be implemented.
G5.3	The outcome of the investigation carried out under condition G5.1 and the reasonably 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 <i>Environmental Protection Act 1994</i>; and d) environmental risk management procedures are continually reviewed and improved, based on a reasonable risk-management approach.						
G7.0	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.						
G7.1	Records of installation, calibration and maintenance carried out under condition G7.0 must be kept.						
G8.0	Record keeping Unless otherwise specified by a condition of this environmental authority, records must be: a) kept for the period outlined in <i>Table 2 – Record keeping requirements</i>; and b) provided to the administering authority upon request and in the format requested. Table 2 – Record keeping requirements <table border="1"> <thead> <tr> <th>Description of records</th><th>Retention requirement</th></tr> </thead> <tbody> <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> </tbody> </table>	Description of records	Retention requirement	Monitoring results	Retain for 15 years	All other records	Retain for 5 years
Description of records	Retention requirement						
Monitoring results	Retain for 15 years						
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G9.0	Chemical storage Chemicals and fuels in containers of greater than 15 litres must be stored within a secondary containment system.						
G10.0	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 .						
G10.1	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 (DO), pH, Temperature, Turbidity, Secchi depth.						
G11.0	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.						
G12.0	Sampling and Analysis Plan (SAP) The characterisation of sediments and suitability of dredged material for land-based beneficial re-use or disposal 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/or						

	ii. National Environment Protection (Assessment of Site Contamination) Amendment Measure 1999, and/or iii. Queensland Acid Sulfate Soil Technical Manual version 5.1; and c) Be submitted to the administering authority for comment prior to commencing the sampling program.
G13.0	Dredge Operation Completion Report A Dredge Operation Completion Report must be prepared at the conclusion of the dredge operation and provided to the administering authority upon request, and include: a) the results, including all raw data, from any monitoring conducted during the carrying out of the dredge operation; and b) a description of actions taken to minimise any environmental risk identified during the dredge operation, including but not limited to actions taken as a result of risks identified from monitoring and environmental complaints; and c) the tonnage of dredged material removed, and methodology used to calculate tonnage; and d) a record of dredged material transferred to third party/ies including: i. written consent, ii. date, iii. tonnage, and iv. third party names.
Agency interest: Air	
Condition number	Condition
A1.0	Other than as permitted within this environmental authority, odours or airborne contaminants must not cause environmental nuisance to any sensitive place or commercial place.
Agency interest: Land	
Condition number	Condition
L1.0	Treatment and management of acid sulfate soils must comply with the latest edition of the <i>Queensland acid sulfate soil technical manual</i> (available on the Queensland government website).
Agency interest: Waste	
Condition number	Condition
W1.0	All waste must be lawfully reused, recycled or removed to a facility that can lawfully accept the waste.
Agency interest: Water	
Condition number	Condition
WT1.0	This authority permits the release of bed sediments necessarily disturbed as a result of dredging provided that the release of those bed sediments is in accordance with <i>Table 1 – Authorised</i>

	<i>Activities.</i>																				
WT2.0	Sediment Plume A sediment plume monitoring program must: a) be developed and implemented by an appropriately qualified person(s); and b) include trigger levels and management actions to ensure (but is not limited to) the requirements of Condition WT1.0, WT3.0 and WT3.1 will be met.																				
WT3.0	Water quality monitoring Water quality monitoring must occur during dredging in accordance with <i>Table 3 – Water quality monitoring and trigger limits</i> Table 3 – Water quality monitoring and trigger limits <table><tr><th>Monitoring Points</th><th>Quality characteristic</th><th>Type</th><th>Minimum monitoring frequency</th></tr><tr><td rowspan="6">Representative monitoring points in adjacent marine plant communities identified in Appendix 1 – Approved Plans.</td><td>Dissolved Oxygen</td><td>% saturation</td><td rowspan="3">Minimum twice daily, mid-flood tide and mid-ebb tide during dredging</td></tr><tr><td>Turbidity</td><td>NTU</td></tr><tr><td>Secchi</td><td>m</td></tr><tr><td>Total Suspended Solids</td><td>Mg/L</td><td>On administering authority request</td></tr><tr><td>pH</td><td>pH</td><td rowspan="2">Minimum twice daily, mid-flood tide and mid-ebb tide during dredging</td></tr><tr><td>Temperature</td><td>°C</td></tr></table>	Monitoring Points	Quality characteristic	Type	Minimum monitoring frequency	Representative monitoring points in adjacent marine plant communities identified in Appendix 1 – Approved Plans.	Dissolved Oxygen	% saturation	Minimum twice daily, mid-flood tide and mid-ebb tide during dredging	Turbidity	NTU	Secchi	m	Total Suspended Solids	Mg/L	On administering authority request	pH	pH	Minimum twice daily, mid-flood tide and mid-ebb tide during dredging	Temperature	°C
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WT3.1	Dredging must cease should the sediment plume persist for more than two (2) hours at adjacent marine plant communities identified in Appendix 1 – Approved Plans.																				
WT4.0	Marine Megafauna At all times during dredging, an appropriately qualified person(s) must undertake monitoring for the presence of marine megafauna.																				
WT4.1	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 WT4.0.																				
WT4.2	Turtle excluder devices must be used on the dredge drag head of any trailing suction hopper dredger used.																				
WT4.3	No dredging is permitted between November to February, inclusive.																				

WT6.0	Groundwater Contaminants must not be released to groundwater.
Agency interest: Dewatering	
Condition number	Condition
DW1.0	Releases to waters must not produce any slick or other visible evidence of oil or grease, nor contain visible floating oil, grease, scum, litter or other visually objectionable matter.
DW2.0	Prior to transport of dredged material to third party/ies, the dredged material must be tested for acid sulfate soils in accordance with the latest edition of the <i>Queensland acid sulfate soil technical manual</i> (available on the Queensland government website).
DW3.0	Dredged material requiring acid sulfate soil treatment in accordance with DW2.0 must be treated and managed in compliance with the latest edition of the <i>Queensland acid sulfate soil technical manual</i> (available on the Queensland government website).
DW4.0	Contaminants must not be released during testing, treatment and dewatering activities.
DW5.0	Contaminants must not be released during transfer from the site of dredging to the third party/ies.

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.

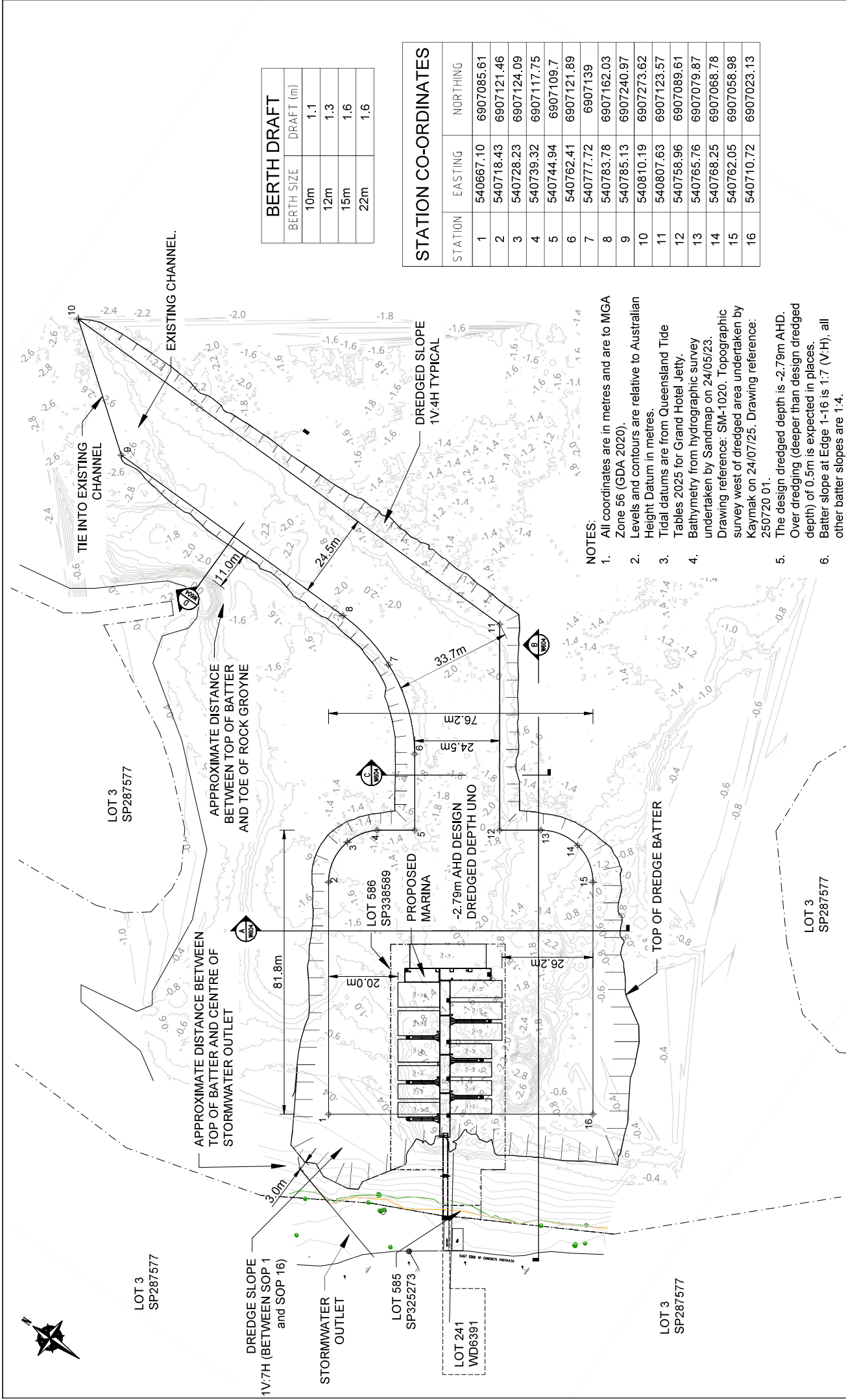
Activity means the environmentally relevant activities to which the environmental authority relates.
Appropriately qualified person means a person who has professional qualifications, training, skills or experience relevant to the EA requirements and can give authoritative assessment, advice and analysis in relation to the EA requirements using the relevant protocols, standards, methods or literature.
Bed of any waters includes an area covered, permanently or intermittently by tidal or non-tidal waters. It does not include land adjoining or adjacent to the bed that is from time to time covered by floodwater.
Contaminants as defined in Section 11 of the <i>Environmental Protection Act 1994</i> .
Deployed means installed and spread out in such a way that it is effectively preventing the escape of the dredge plume.
Dredge drag head is a steel structure that is connected to the dredger by a suction pipe. It is used by a trailing suction hopper dredger to collect sand from the sea floor.
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 dredged basin and 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 mechanical removal of material from the bed of 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).
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.
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.
Naturally occurring surface waters includes artificial waterways that are directly connected to naturally occurring surface waters, for example, a canal connected to naturally occurring surface waters.
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.
Relevant act as defined in section 493A of the EP Act.

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.
Surface water means water other than groundwater.
Trigger levels 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.

Appendix 1 – Approved Plans

- (i) Dredge Plan prepared by Gold Coast Australia Aqua Adventure Centre dated 12/12/2025, reference W603, revision E; and
- (ii) Dredge Plan Sections prepared by Gold Coast Australia Aqua Adventure Centre dated 12/12/2025, reference W604, revision E; and
- (iii) Howards Landing Marina 95 Marine Parade Southport Marine Plant Assessment prepared by Burchills dated 2024.

END OF ENVIRONMENTAL AUTHORITY



BERTH DRAFT	
BERTH SIZE	DRAFT (m)
10m	1.1
12m	1.3
15m	1.6
22m	1.6

STATION CO-ORDINATES		
STATION	EASTING	NORTHING
1	540667.10	6907085.61
2	540718.43	6907121.46
3	540728.23	6907124.09
4	540739.32	6907117.75
5	540744.94	6907109.7
6	540762.41	6907121.89
7	540777.72	6907139
8	540783.78	6907162.03
9	540785.13	6907240.97
10	540810.19	6907273.62
11	540807.63	6907123.57
12	540758.96	6907089.61
13	540765.76	6907079.87
14	540768.25	6907068.78
15	540762.05	6907058.98
16	540710.72	6907023.13

NOTES:

1. All coordinates are in metres and are to MGA Zone 56 (GDA 2020).
2. Levels and contours are relative to Australian Height Datum in metres.
3. Tidal datums are from Queensland Tide Tables 2025 for Grand Hotel Jetty.
4. Bathymetry from hydrographic survey undertaken by Sandmap on 24/05/23. Drawing reference: SM-1020. Topographic survey west of dredged area undertaken by Kaymak on 24/07/25. Drawing reference: 250720 01.
5. The design dredged depth is -2.79m AHD. Over dredging (deeper than design dredged depth) of 0.5m is expected in places.
6. Batter slope at Edge 1-16 is 1:7 (V:H), all other batter slopes are 1:4.

CLIENT:

AQUA ADVENTURES PTY LTD

APPROVAL CERTIFICATION:



SHORELINE
CIVIL AND MARINE CONSULTING

AMENDMENT DESCRIPTION

REV.	DATE	DESCRIPTION
A	16.05.24	ISSUE FOR APPROVAL
B	15.11.24	ISSUE FOR APPROVAL
C	19.05.24	ISSUE FOR APPROVAL
D	05.08.25	ISSUE FOR APPROVAL
E	12.12.25	ISSUE FOR APPROVAL

PROJECT

HOWARDS LANDING MARINA

TITLE

DREDGE PLAN

SCALE

1:1000

DATUM

AHD

DRAWN

WH

JOB-DRAWING No.

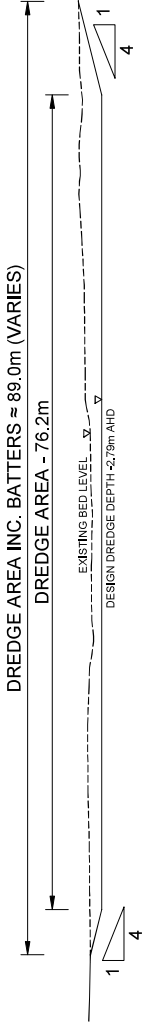
W603

REVISION

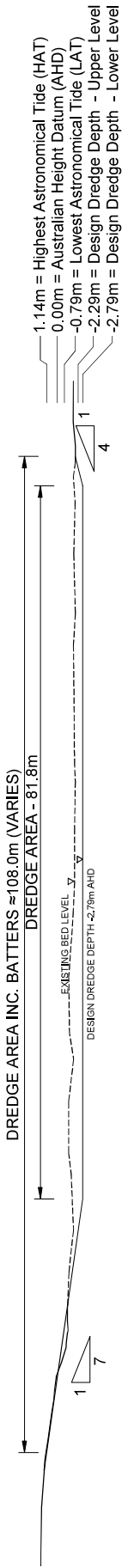
E

NOTES:

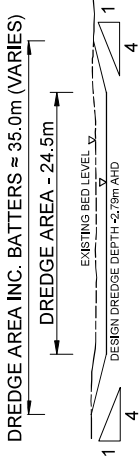
1. All coordinates are in metres and are to MGA Zone 56 (GDA 2020).
2. Levels and contours are relative to Australian Height Datum in metres.
3. Tidal datums are from Queensland Tide Tables 2025 for Grand Hotel Jetty.
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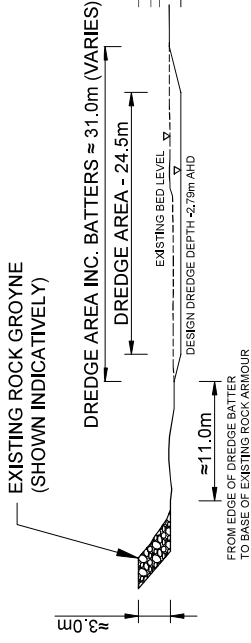
A DREDGE SECTION A
W603 1:500



B DREDGE SECTION B
W603 1:500



C DREDGE SECTION C
W603 1:500



D DREDGE SECTION D
W603 1:500

CLIENT:

AQUA ADVENTURES PTY LTD

APPROVAL/CERTIFICATION:



PROJECT HOWARDS LANDING MARINA

TITLE DREDGE PLAN - SECTIONS

SCALE 1:500 @ A3

DATUM AHD

JOB-DRAWING No.

W604

REVISION

E

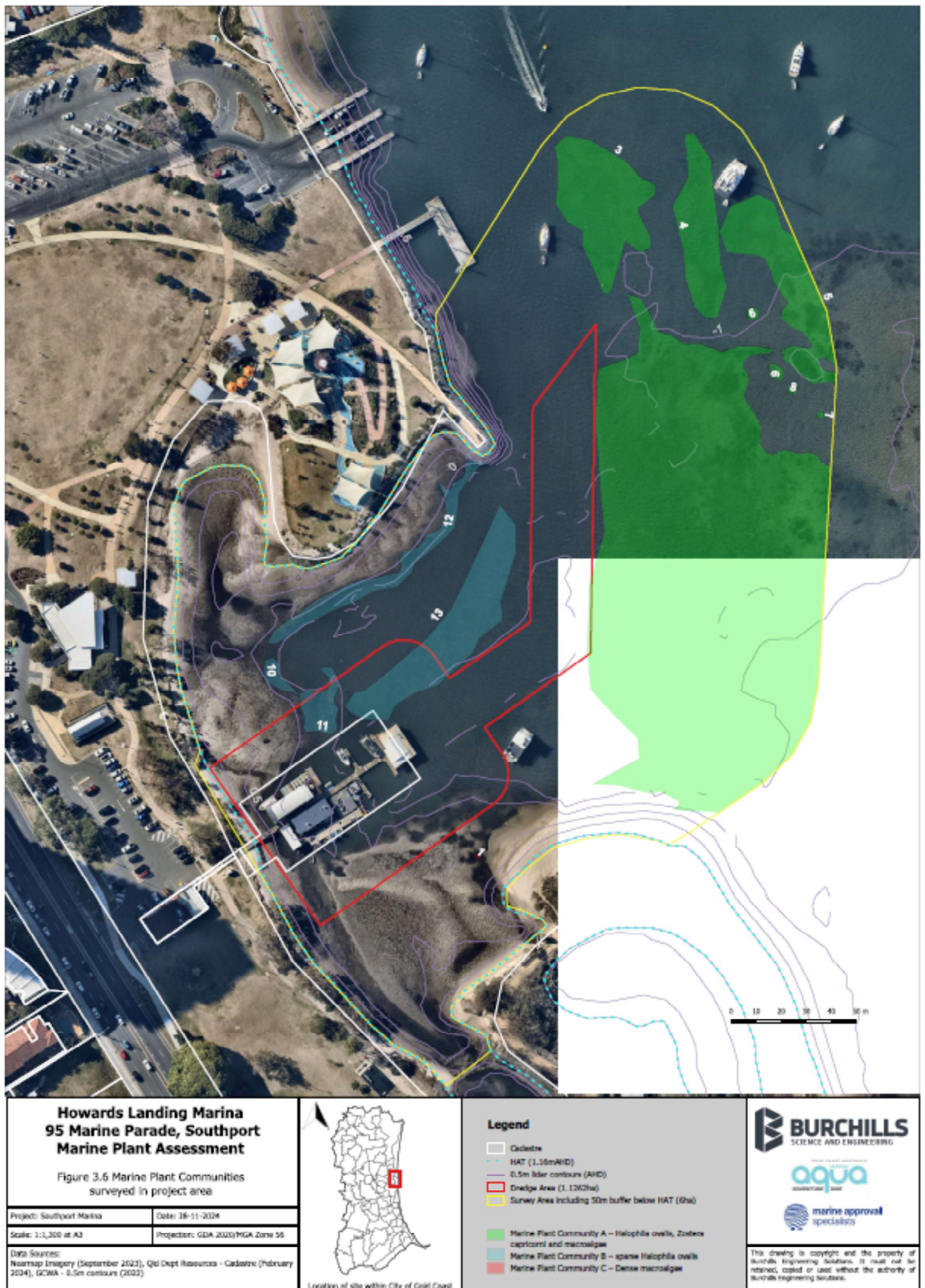


Figure 4. Marine plant communities survey outcome from 2024 survey (Burchills, 2024).