



Pollution Incident Response Management Plan

The Entrance Channel Dredging Program 2026

CLIENT: Central Coast Council

CLIENT ADDRESS: 2 Hely Street, WYONG NSW 2259

CONSTRUCTION START DATE: FEBRUARY 2026

ESTIMATED COMPLETION DATE: April 2026

PROJECT MANAGER: Felipe Carvalho

MARINE CONTRACTOR: GPM Marine Constructions Pty Ltd

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Document Control

Plan Prepared

Title	PIRMP– The Entrance Channel 2026
Prepared By	Felipe Carvalho, Project Manager
Approved By	Greg Stockley, Director
Date	
Reviewed on behalf of Central Coast Council (Council)	Matt Barnett, Team Leader - Environmental Infrastructure Catchments
Dated	

Revision	Date	Description	Approval
1	06.02.2026	Council's Comments	FC
2			
3			
4			
5			
6			
7			

Key Personnel Contact List

Position	Name	Phone
EPA pollution hotline	n/a	131 555
Environmental Incident Hotline	n/a	4350 5789
Fire and Rescue NSW	n/a	000 (for pollution incidents that present an immediate threat to human health or property) 1300 729 579 (for pollution incidents that do not present an immediate threat to human health or property)
Poisons hotline	n/a	13 11 26
SafeWork NSW	n/a	131 050
Project Contractor	Matthew Barnett	0400 685 438
Project Manager for GPM	Felipe Carvalho	0414 024 350
Managing Director for GPM	Greg Stockley	0412 237 194
Site Operator	Harley	0404 008 349

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E-mail: admin@gpmmarine.com.au

1.2 Designated Person

Designated Person: Greg Stockley

Contact details: 0412 237 194

Greg Stockley, the Designated Person (DP), is GPM director and responsible on site for the dredge operations.

Greg Stockley (DP) is responsible for:

- making sure, with the support of the crew's direct line of management, that the PIRMP is working and reporting to the Project Manager if remedial action or changes to the plan are needed.
- making sure, with the support of the crew's direct line of management, that the vessel and crew are operating safely and are not polluting the environment.
- making sure, with the support of the crew's direct line of management that the vessel and crew have what they need to run safely and efficiently; and
- making sure there is a regular review of the PIRMP.

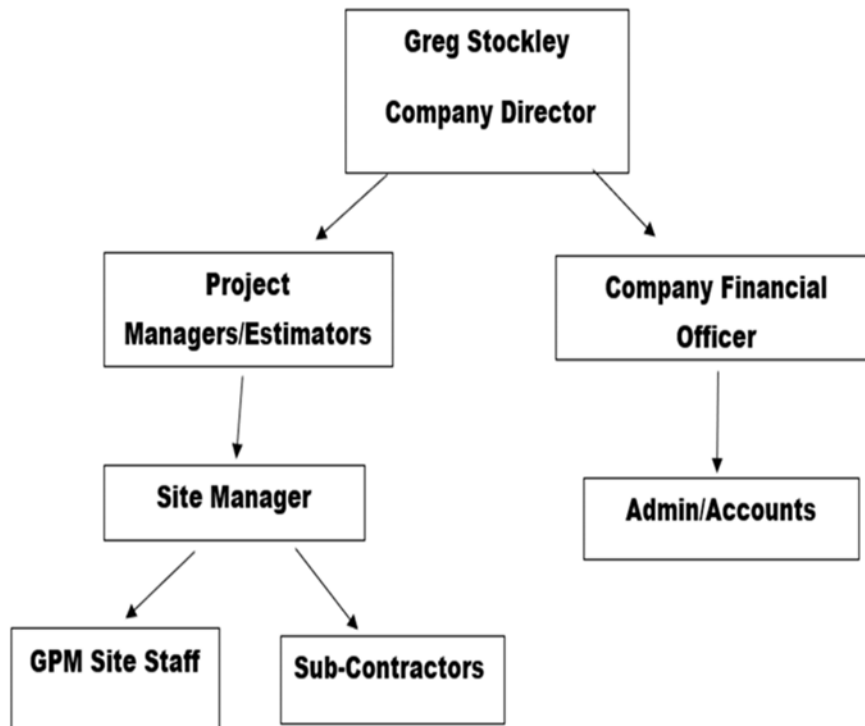
1.3 GPM Marine Operational structure

Greg Stockley – Director / Designated Person

Greg has been in the marine industry for over 30 years and has the capability to successfully and efficiently project manage numerous jobs simultaneously. With a background in bridge and wharf carpentry Greg has the technical experience and knowledge to overcome obstacles and deliver a project in the best way possible.

Felipe Carvalho – Project Manager

Felipe has over 5 years of experience in the marine construction sector and has successfully managed numerous projects of similar scope and value. He has a background in Mechanical Engineering and an MBA in Project Management. He also has an in-depth understanding of construction procedures and project management principles.



1.4 PURPOSE OF THE PROJECT ENVIRONMENTAL MANAGEMENT PLAN

This document provides a Pollution Incident Response Management Plan (PIRMP) for the Entrance Channel dredging program.

Its purpose is to clearly outline the procedures to be followed in the event of a pollution incident, including immediate containment, reporting, communication, and response actions.

The plan is designed to ensure that all personnel involved in the dredging works are aware of their responsibilities and can respond quickly and effectively to incidents, minimising harm to the environment, waterways, property, and human health.

It applies to all personnel, contractors, and vessels involved in the dredging operations and provides a structured framework for managing pollution incidents in compliance with the Protection of the Environment Operations Act 1997 (NSW), EPL 3200, and other relevant environmental and safety requirements.

This PIRMP is a practical operational tool to guide the response to any unexpected release of pollutants or other environmental hazards during dredging, ensuring that responses are coordinated, timely, and consistent with regulatory obligations.

1.5 LEGISLATION, CODES OF PRACTICE & AUSTRALIAN

- Environmental Planning and Assessment Act (EP&A Act) 1979

- National Parks and Wildlife Act 1974 (NPW Act)
- Crown Lands Management Act 2016
- Biodiversity Conservation Act 2017
- Fisheries Management Act 1994 (FM Act)
- Environmental Planning and Assessment Regulation (EP&A Regulation) 2000
- Protection of the Environment Operations Act 1997 (POEO Act)
- Water Management Act 2000
- Coastal Management Act 2016
- Water Management Act 2000

2. Hazards and Pre-emptive Actions

a) Potential hazard	b) Likelihood of hazard (Almost certain, likely, possible, unlikely, rare)	c) Pre-emptive actions
<p>Water pollution – pH</p> <p>May be caused by disposal of dredge spoil if acidic sediments are not managed appropriately</p>	<p>Unlikely</p>	<ul style="list-style-type: none"> • Water quality monitoring (as per the EPL3200) and Frequent inspections of discharge • Discharge limits shall be controlled • Site induction for staff and toolbox talks (CEMP)
<p>Water pollution - Total Suspended Solids</p> <p>May be caused by disposal of dredge spoil if dewatering procedures are not implemented</p>	<p>Unlikely</p>	<ul style="list-style-type: none"> • Water quality monitoring • Frequent inspections of discharge • Licenced discharge limits • Dewatering procedure (sediment curtains, bunded area) • Site induction for staff • Seek written EPA approval for temporary alternative limits or operating conditions where background turbidity is high, in accordance with EPL 3200 Condition L2.7
<p>Water pollution – oils and fuels</p> <p>Spills may occur from machinery and equipment</p>	<p>Unlikely</p>	<ul style="list-style-type: none"> • Machinery and equipment checks and inspections • Refuelling of plant and machinery to only occur in site compound area in Karagi Carpark (SWMS) • Site induction for staff
<p>Smoke, fumes and odours</p> <p>May be generated by machinery and equipment</p>	<p>Rare</p>	<ul style="list-style-type: none"> • Machinery and equipment checks and inspections • Site induction for staff • Training of staff operating machinery and equipment
<p>Offensive noise</p> <p>May be generated by machinery and equipment</p>	<p>Unlikely</p>	<ul style="list-style-type: none"> • Machinery and equipment check and inspections • Operate during approved hours only (refer CEMP) • Limit noise near Little Tern colony
<p>Fire</p> <p>Could occur in the site compound or on machinery and equipment</p>	<p>Rare</p>	<ul style="list-style-type: none"> • Machinery and equipment checks and inspections • Site induction for staff • Training of staff operating machinery and equipment
<p>Harm to threatened species could occur if dredging activities disturb Little Terns or other birds from nesting</p>	<p>Unlikely</p>	<ul style="list-style-type: none"> • Timing of works (CEMP) • Fencing of Little Tern area • Regular inspections and monitoring of Little Terns • Site induction for staff

2.1 Inventory of Pollutants

The following substances are stored and/or used in the below quantity to carry out the dredging and associated activities and have the potential to cause pollution if released:

Pollutant	Equipment used	Maximum Quantity
Diesel fuel	Dredge	9000 Litres
Diesel fuel	Excavator 1	600 Litres
Diesel fuel	Excavator 2	600 Litres
Machine oil	Site Shed	60 Litres

These substances are used to fuel and maintain dredging plant and associated equipment operating within the project area.

2.2 Safety Equipment

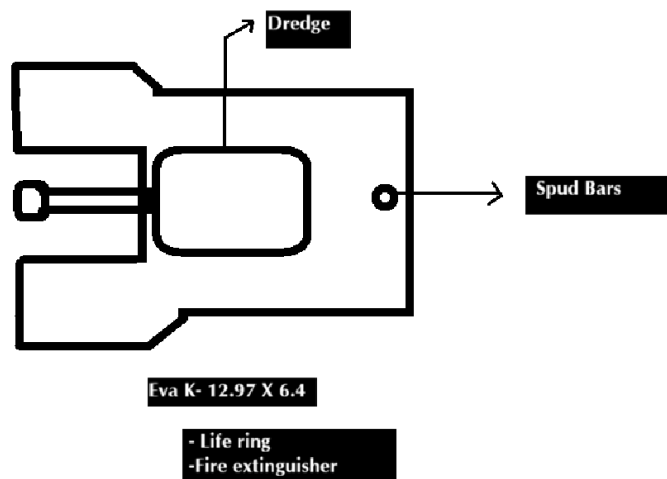


FIGURE 1: Safety equipment in the Victorian Marine dredge

Refer “Attachment A” and “Attachment D” Victorian Marine Dredge Safety Procedure Manual and Risk Assessment for additional information

2.3 Contact Details

Table B: Contact Details for Managing the Response to a Pollution Incident		
CCC Environmental Hotline	4350 5789 (24 hours)	Central point for all environmental incident reporting in CCC. Undertakes notification to other agencies in the event of a notifiable incident.
James Lawson – Section Manager Environmental Infrastructure	0478 323 695 (business hours) James.Lawson@centralcoast.nsw.gov.au	Section Manager Communication with media and the community
Matt Barnett – Team Leader Environmental Infrastructure Catchments	0400 685 438 (business hours) Matthew.Barnett@centralcoast.nsw.gov.au	Project Lead – direction to contractors and council staff
Mitchell Anderson – Technical Officer Environmental Infrastructure	0437 489 142 (business hours) Mitch.Anderson@centralcoast.nsw.gov	Matters relating to operations

Mairin Ireland & Jenna Markwick – Environmental Management Coordinator	430 5789 – (Business hours) mairin.ireland@centralcoast.nsw.gov.au Jenna.Markwick@centralcoast.nsw.gov.au 0428 900 870 (Monday- Thursday)	Assisting with incident response and reporting. Undertaking incident investigation.
Contractor Foreman and WHS Safety Partner – Harley Cracknell	0404 008 349	<ul style="list-style-type: none"> Operates machinery safely, performs pre-start checks, follows SWMS, and reports faults or hazards immediately Assisting with incident response Monitors hazards, ensures PPE use, supports emergency response, and reports incidents to the Supervisor
Council Works Supervisor – TBA and Tom Cunningham	Tom - 0429 667 352	Onsite EMP and WHS
NSW Environment Protection Authority	131 555 (24 hours)	Authority requiring notification under POEO Act
SafeWork NSW	131 050 (24 hours)	
Fire and rescue	9469 3111 (24 hours) 000 (Emergency only)	
NSW Health – Local Area District	4320 9730 (business hours) 4320 2111 (after hours, ask for public health nurse)	
Central Coast Council customer service switch	1300 463 954 (24 Hours)	

2.4 Notifying People in the Vicinity of the Pollution Incident

The premises covered by the EPL (**Figure 2**) include the Entrance Channel and surrounding foreshore areas, with the site compound generally located within the Karagi Carpark. Dredging machinery and equipment may operate throughout the Entrance Channel within the approved dredging footprint. Discharge of dredged material is undertaken within a designated sand-nourishment area established each dredging season, typically located near Karagi Carpark on the northern side of the channel.

The surrounding environment includes a caravan park to the north-west of the compound, a vegetated reserve to the south, and residential dwellings to the north-east. The southern side of the Entrance Channel is a public precinct containing shops, restaurants, and parks. The waterway is regularly used by the public for recreational activities including fishing, boating, and swimming.

Notification and communication with people in the vicinity of the works and any potential pollution incident will be undertaken through the following measures:

Public notification of dredging works via Central Coast Council (CCC) website, social media, and other media channels.

Installation of signage, including electronic signage where applicable, advising of works and temporary closure of Karagi Carpark for use as the site compound.

Installation of site fencing and safety signage around the compound area.

Display of contact phone numbers on site signage for public enquiries.

Direct consultation with nearby stakeholders, including the Boat Shed and the Caravan Park.

These measures ensure that nearby residents, businesses, waterway users, and the general public can be informed promptly of works activities and any pollution incident that may occur.

Minimizing Risk of Harm to Persons on Site and Reducing Risks of Harm to Human Health

2.5 Emergency Preparation & Response

The following emergency preparation and response plans shall be generated, documented and implemented on site:

EMERGENCY RESPONSE PLAN ERP-1 FUEL/OIL SPILL FROM MACHINERY

1. Bund spill to prevent loss.
2. Collect spill and place in drum/container.
3. Place dry sand on residue of spill to absorb fuel/oil.
4. Remove contaminated sand and all contaminated ground to suitable disposal site.
5. Report incident to Superintendents Representative follow any instructions
6. Complete Incident Report form

EMERGENCY RESPONSE PLAN ERP-2 FUEL/OIL SPILL FROM MACHINERY INTO WATER

1. Immediately cease operation of machine causing oil leak
2. Use booms to contain the oil to a specified area
3. Use spill kits to absorb contaminant.
4. Collect spill and place in drum/container.
5. Report incident to Superintendents Representative follow any instructions
6. Complete Incident Report form

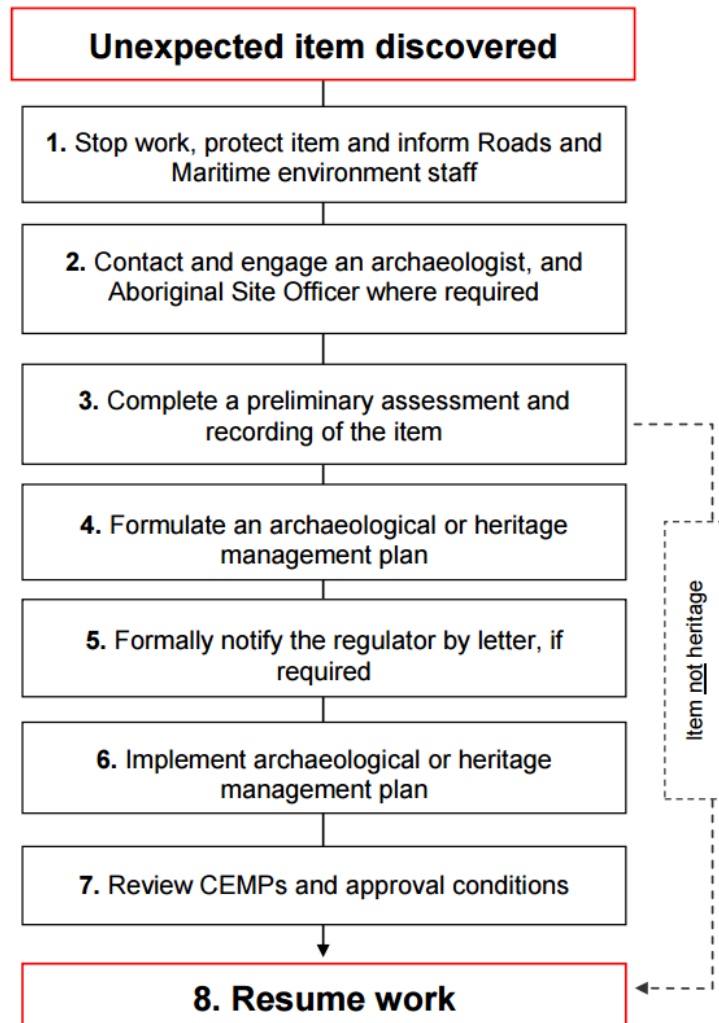
EMERGENCY RESPONSE PLAN ERP-4 ESCAPE OF TOXIC AND NOXIOUS GASES/ FUMES

1. Isolate access through the use of barricades the area identified as containing escaped fumes and gases.
2. Report incident to Superintendents Representative follow any instructions
3. Evacuate all residents and personnel / service Sub Contractors from the building/ tenancy until it is deemed safe by the Site Co-ordinator or NSW Fire Brigade HAZMAT unit.

4. Complete form Incident Report.

**EMERGENCY RESPONSE PLAN ERP 5
UNEXPECTED ITEM DISCOVERED**

1. On discovering something that could be an unexpected heritage item ('the item'), the following procedure must be followed. There are eight steps in the procedure. These steps are summarised in Figure below



Duty to Notify

GPM will notify each of the following response agencies needs to be informed of pollution incidents quickly, so action can be coordinated to prevent or limit harm to the environment and human health generally:

- *Appropriate regulatory authority (ARA)*
- *Environment Protection Authority (EPA) 13 10 50*
- *Ministry of Health (02) 9391 9000*
- *SafeWork NSW 13 10 50*
- *Fire and Rescue NSW 000*
- *DPI Fisheries (02) 8437 4903*

GPM acknowledges any pollution incidents causing or threatening material harm to the environment must be notified. A 'pollution incident' includes a leak, spill or escape of a substance, or circumstances in which this is likely to occur.

'Pollution incident' is defined in the Dictionary to the Act and is reproduced at the end of this document. 'Material harm to the environment' is defined in section 147. Material harm includes on-site harm, as well as harm to the environment beyond the premises where the pollution incident occurred.

Emergency response

If a pollution incident occurs, GPM will take all necessary action should be to minimise the size and any adverse effects of the release. If the incident presents an immediate threat to human health or property, Fire and Rescue NSW, the NSW Police and the NSW Ambulance Service should be contacted first for emergency assistance - **phone 000**. The other response agencies must still be contacted after that to satisfy notification obligations.

Contaminated land

Persons whose activities have contaminated land and owners of land who become aware, or ought reasonably to be aware, that the land has been contaminated must notify the EPA as soon as practicable after becoming aware of the contamination, if the contamination meets certain criteria. The duty to notify is a requirement under section 60 of the CLM Act. A person has a duty to notify if that person ought reasonably to have been aware of the contamination.

Who must notify?

Under the Protection of the Environment Operations Act 1997 (POEO Act), the following people have a duty to notify a pollution incident occurring in the course of an activity that causes or threatens material harm to the environment:

- a. the person carrying on the activity
- b. an employee or agent carrying on the activity
- c. an employer carrying on the activity
- d. the occupier of the premises where the incident occurs.

Notification must be given immediately, i.e. promptly and without delay, after the person becomes aware of the incident.

Pollution incidents posing material harm to the environment should be notified to each 'relevant authority' as defined in section 148(8) of the POEO Act. 'Relevant authority' means:

- the Environment Protection Authority (EPA) 131 555
- the Ministry of Health 9391 9000

2.5 Evacuation Point

Emergency-preparedness activities are undertaken to ensure personnel are familiar with emergency procedures, spill-response equipment, and protection of the public during works. Toolbox talks and site inductions will be used to reinforce emergency-response responsibilities, including the location and use of spill kits and fire-response equipment.

In the event of an emergency, personnel will evacuate to the site compound, which will serve as the designated evacuation exit and muster area. If the emergency is located within the compound, personnel will evacuate to the compound entry on Hutton Road as the secondary muster point.

Emergency-preparedness drills and staff-awareness exercises form part of the organisation's Integrated Management System and are undertaken periodically to ensure staff remain familiar with emergency procedures.

3. Dredging areas and scope

Dredging activities under Licence 3200 are restricted to the entrance of Tuggerah Lake Estuary, located at The Entrance, New South Wales, 2261.

The dredge footprint extends from The Entrance Channel sand spit westward to Picnic Point and northward to the northern end of Terilbah Channel. Sand nourishment areas include the North Entrance Beach and Estuary Eastern Beach which is adjacent to Karagi Park Foreshore.

Tuggerah Lakes and the tributaries of Tuggerah Lakes are owned by Crown Lands. Crown Licence 3683371 has been provided from the Land and Property Management Authority (LPMA) under Section 34 of the Crown Lands Act 1989 to undertake dredging activities. The licence applies to the dredging and beach nourishment activities carried out on Crown Land, including submerged Crown Land.

Please refer to The Entrance Dredging Project Review of Environmental Factors (2020) prepared by Royal HaskoningDHV for further information.



Figure 2 - Premises to which EPL3200 related and surrounding area



Figure 3 Water Quality Monitoring Plan

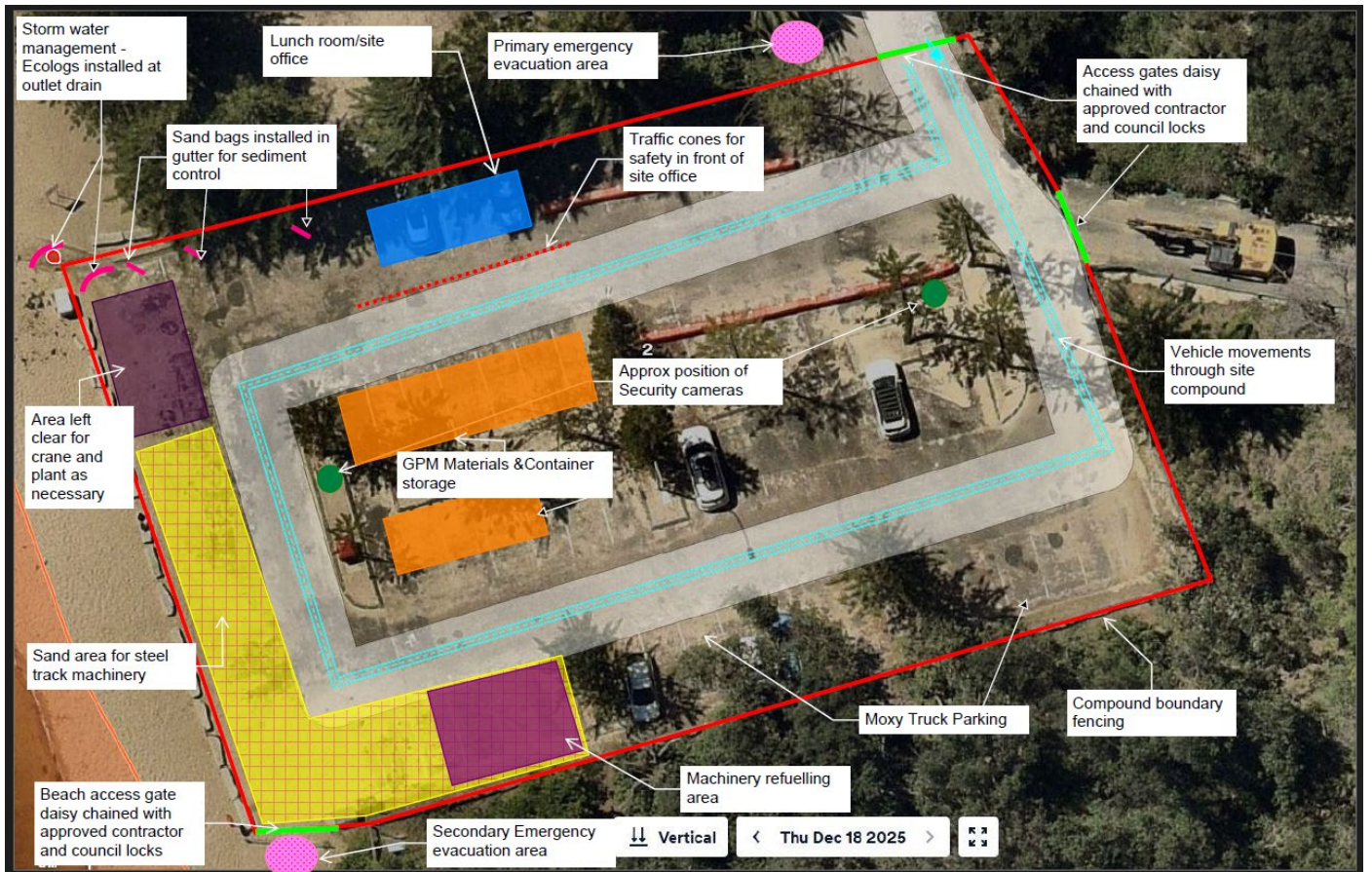


Figure 4 Detailed description of Compound site



The Entrance Dredging 2026 Dewatering Plan

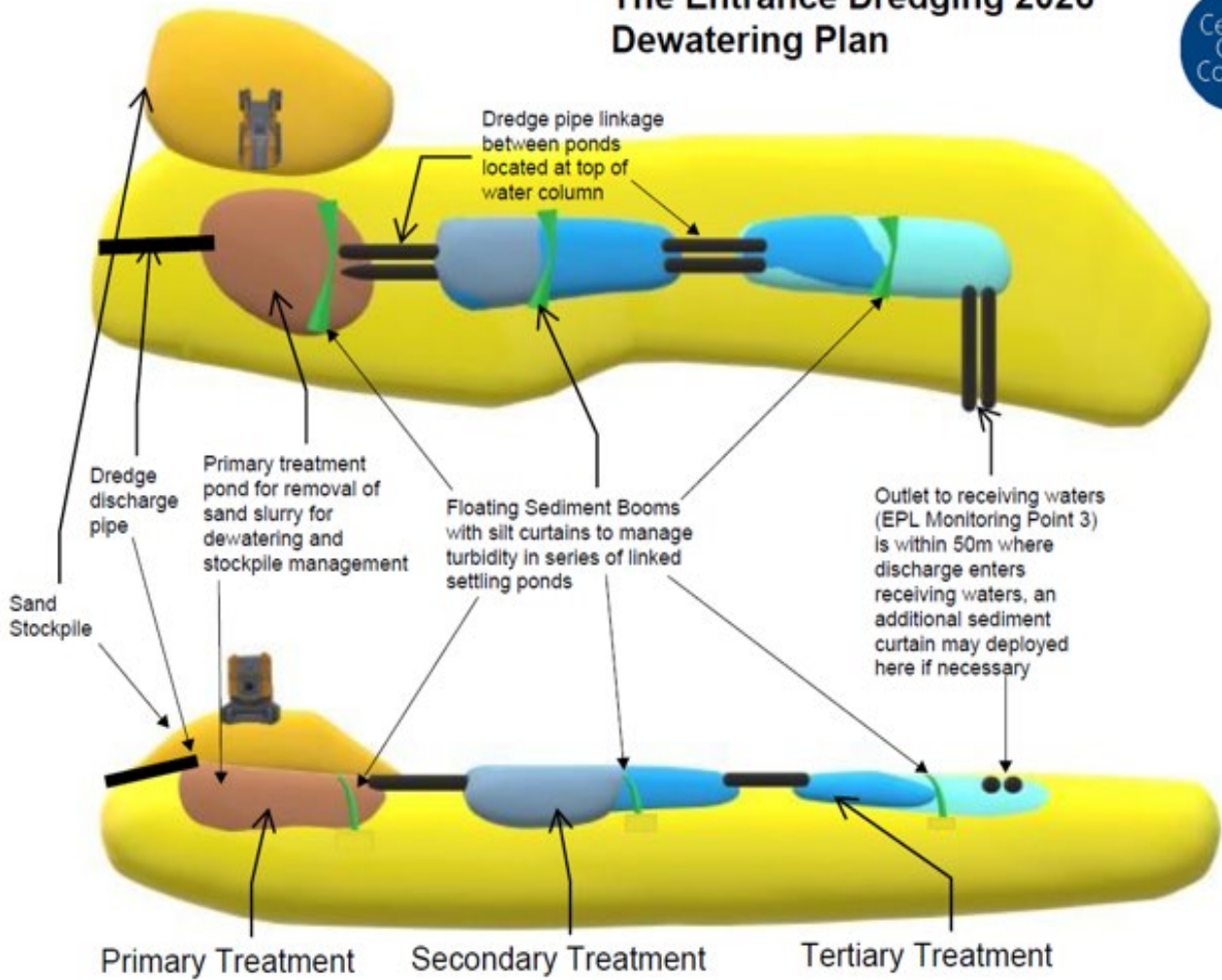


Figure 5. Dewatering Plan

4. Training, Testing and updating PIRMP

The PIRMP is tested annually during the pre-works induction meeting where all personnel are trained in the environmental controls for the program. This includes the EPL and PIRMP, details from the Review of Environmental Factors and Fisheries Permit. The PIRMP test involves a hypothetical incident drill and questioning personnel on response actions.

The PIRMP is reviewed annually prior to the dredging season by CCC's Environmental Reporting Team in consultation with CCC's Dredge Working Group.

The PIRMP is not reviewed in years where no dredging occurs.

Table C: Training, testing and updating dates		
PIRMP training test and updating dates		Person who carried out test
2026	PIRMP preparation 06/02/2026	GPM Marine Construction (dredging contractor)
2026	PIRMP Test 2026 09/02/2026	Section Manager Environmental Infrastructure

Appendix- 2

PIRMP Review and testing record

Date Conducted	Description of test or review	Issues Identified	Corrective actions required	Responsible person

Appendix- 3

Field Visual Inspection Recording Sheet

The Entrance Channel Dredging - Environmental Protection Authority Licence – 3200

Dredge vessel name	Inspection Time & Date	Inspector Name	Inspector Signature

Item	Status (Yes/No/ N/A)	Observations / Comments
Turbidity Plume with approved Limits		
Sit curtains in place		
Floating debris or Waste in water		
Oil, Fuel or chemical on water		
Leakages from dredge plant		
Spill response kits accessible and functional		
Works within approved dredge footprint		
Noise or vibration within limits		

Appendix- 4

Training record : PIRMP operator Training

Staff Name	Position /Role	Training completed	Trainer	Notes
		Yes/ No		
		Yes/ No		
		Yes/ No		
		Yes/ No		
		Yes/ No		
		Yes/ No		
		Yes/ No		
		Yes/ No		
		Yes/ No		
		Yes/ No		
		Yes/ No		
		Yes/ No		
		Yes/ No		
		Yes/ No		
		Yes/ No		

Appendix 5 – Victorian Marine Services Risk Assessment