

## Environmental Health Referral Response - acid sulfate soils

<b>Application Number:</b>	DA2023/0913
<b>Proposed Development:</b>	Replacement of existing jetty, ramp and pontoon, and two berthing areas, construction of seawalls and minor reclamation works
<b>Date:</b>	01/08/2023
<b>Responsible Officer</b>	Olivia Ramage
<b>Land to be developed (Address):</b>	Lot 3 DP 22826 , 14 The Chase LOVETT BAY NSW 2105 Lot LIC 378742 , 14 The Chase LOVETT BAY NSW 2105 Lot 4 DP 22826 , 15 The Chase LOVETT BAY NSW 2105 Lot LIC 367042 , 15 The Chase LOVETT BAY NSW 2105

### Reasons for referral

This application seeks consent for one or more of the following:

- All development in class 1 land
- Any works below ground surface or will lower water table in area class 2 land
- Any works beyond 1 metre or lower water table by 1 metre in class 3 land
- Any works beyond 2 metres or lower water table by 2 metres in class 4 land
- Works on land below 10 metres AHD and within 500m of class 1, 2, 3 or 4 land which are likely to lower water table below 1 metre

And as such, Council's Environmental Investigations officers are required to consider the likely impacts.

### Officer comments

#### General Comments

Acid Sulfate impacted site.

Marine Pollution Research Pty Ltd ASS Assessment 30 My 2023 states in part :

With respect to ASS impact assessment, the works require:

- Removal of 28 jetty support piles with suitable piles cleaned and reused for the realigned jetty that also requires 28 piles.
- Removal of marine sandy sediments in the high intertidal to expose basement rock and cutting of a 150mm deep key way 0.5m wide in the basement rock to accommodate the two new 11.5m long block sandstone seawalls.
- Removal and rebuilding of the existing block sandstone seawall along 26m of shoreline

and

#### Recommended Pile Removal and Placement Management Plan

The following Pile Removal and Placement Plan is intended to mitigate any residual environmental risk from the small amounts of sediments adhering to pulled piles:

1. Pile removal and cleaning works are to be undertaken during a high tide to ensure sufficient water depth for pile cleaning residues to sink through the water column directly back to the seabed.
2. Pile removal and placement works are to be enclosed using a floating silt curtain to facilitate rapid dispersal of disturbed sediments back to the seabed.
3. All seabed sedimental material on pulled piles that are to be re-used is to be hosed off into the

silt curtain area as each pile is being pulled - where this is possible.

4. If pulled piles with adhered sub-surface seabed sediment cannot be cleaned immediately but need to be stored exposed to air prior to cleaning and disposal off site, they must be washed and hosed off into high tide estuarine waters contained by the floating silt curtain as soon as practicable with a maximum exposure time of 18 hours.

5. For any pile or other demolition material with adhered sediment that cannot be cleaned immediately, the operator/contractor must keep a log book entry of the time of extraction out of the water, the manner and place of storage of the material and the time, manner and placement of hosed off material (in accordance with point 4 above).

Environmental Health supports the proposal with conditions.

The proposal is therefore supported.

Note: Should you have any concerns with the referral comments above, please discuss these with the Responsible Officer.

#### **Recommended Environmental Investigations Conditions:**

### **CONDITIONS TO BE COMPLIED WITH DURING DEMOLITION AND BUILDING WORK**

#### **Acid Sulfate Soils**

All excavation, construction and associated works must be conducted in accordance with the approved Acid Sulfate Soil Management Plan titled Marine Pollution Research Pty Ltd ASS Assessment 30 My 2023

Reason: To ensure management of potential acid sulfate soils.

#### **Requirement to notify about new Acid Sulfate Soils evidence**

Any new information revealed during excavation works that has the potential to alter previous conclusions about Acid Sulfate Soils shall be immediately notified to the Council and the Principal Certifier and a report be obtained from a suitably qualified person. Any recommendations provided by the report are to be complied with during works.

Reason: To protect the environment.

### **CONDITIONS WHICH MUST BE COMPLIED WITH PRIOR TO THE ISSUE OF THE OCCUPATION CERTIFICATE**

#### **Acid Sulfate Soil Management Confirmation**

Details demonstrating compliance with the approved Acid Sulfate Soil Management Plan titled Marine Pollution Research Pty Ltd ASS Assessment 30 My 2023 is to be submitted to the satisfaction of the principle certifier prior to the issue of the occupation certificate and/or completion of works.

Reason: To ensure management of potential acid sulfate soils.