

Environmental Health Referral Response - acid sulfate soils

Application Number:	DA2021/1830
Date:	01/11/2021
Responsible Officer	Phil Lane
Land to be developed (Address):	Lot 48 DP 8013 , 52 Sturdee Lane LOVETT BAY NSW 2105 Lot LIC 595845 , 52 Sturdee Lane 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

We concur with the reasoning in the Aquatic Ecology report, that the minor amount of PASS that may become ASS does not trigger the need for a ASSMP and can be managed effectively following the directions provided in Section 3.5.4 - see associated condition.

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

Managing Acid Sulfate Soils

According with the document "Aquatic Ecology Survey and Assessment - 52 Sturdee Lane Lovett Bay, Pittwater" prepared by Marine Pollution Research Pty Ltd, dated 16 November 2020, all works that are likely to impact Potential or Actual Acid Sulfate Soils must comply with the directions given in section 3.5.4:

1. 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.
2. All seabed sedimental material on the demolished pile is to be hosed off the pile prior to the pile leaving the silt curtain area, preferably as it is being pulled.
3. If the removed pile has adhered sub-surface seabed sediment and cannot be cleaned immediately

but still needs to be stored exposed to air prior to cleaning, it must be washed and hosed off into estuarine waters contained by the floating silt curtain as soon as practicable with a maximum exposure time of 18 hours.

Reason: protection of environment, minimise exposure of acid sulfate soils to free oxygen.