

Environmental Health Referral Response - acid sulfate soils

Application Number:	DA2019/1366
Responsible Officer	Kent Bull
Land to be developed (Address):	Lot 46 DP 13620 , 967 Barrenjoey Road PALM BEACH NSW 2108

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

Environmental Health have considered the proposed development at **967 Barrenjoey Road PALM BEACH** - *"Demolition of an old boatshed and replacement with a new boatshed with associated site and landscaping works"*.

The property is situated on Pittwater foreshore, which contains estuarine sediments classed as "High Risk" for acid sulphate soils (Broken Bay Acid Sulphate Soil Risk Map - Department of Land and Water Conservation), however the lot itself is classified as low risk - Class 5 Acid Sulphate Soils - Pittwater LEP.

The 'Geotechnical Assessment Report' by Douglas Partners, dated 26/8/19, acknowledges the high risk bottom estuarine sediments, but goes on to say that all bulk and detailed footing excavations will be well upslope of the existing seawall, hence there will be very minimal risk of exposing acid sulphate soils.

Environmental Health agrees with the Geotechnical Assessment regarding the minimal risk of exposing acid sulphate soils.

Recommendation: Approval 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:

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CONDITIONS TO BE COMPLIED WITH DURING DEMOLITION AND BUILDING WORK

Requirement to notify about new Acid Sulphate Soils evidence

If any new information is revealed during excavation works that has the potential to alter previous conclusions about Acid Sulphate Soils shall be immediately notified to the Council and the Principal Certifying Authority prior to further commencement.

Reason: Protection of the Environment