

## Natural Environment Referral Response - Flood

<b>Application Number:</b>	DA2021/2472
<b>Date:</b>	16/02/2022
<b>To:</b>	Maxwell Duncan
<b>Land to be developed (Address):</b>	<p>Lot 10 DP 1177 , 0 Pittwater Road MANLY NSW 2095</p> <p>Lot 11 DP 1177 , 0 Pittwater Road MANLY NSW 2095</p> <p>Lot 12 DP 1177 , 0 Pittwater Road MANLY NSW 2095</p> <p>Lot 13 DP 1177 , 0 Pittwater Road MANLY NSW 2095</p> <p>Lot 14 DP 1177 , 0 Pittwater Road MANLY NSW 2095</p> <p>Lot 15 DP 1177 , 0 Pittwater Road MANLY NSW 2095</p> <p>Lot 16 DP 1177 , 0 Pittwater Road MANLY NSW 2095</p> <p>Lot 18 DP 1177 , 0 Pittwater Road MANLY NSW 2095</p> <p>Lot 3 DP 1079222 , 0 Pittwater Road MANLY NSW 2095</p> <p>Lot 1 DP 1079502 , 0 Pittwater Road MANLY NSW 2095</p> <p>Lot 2 DP 537807 , 0 Pittwater Road MANLY NSW 2095</p> <p>Lot 1 DP 177459 , 0 Pittwater Road MANLY NSW 2095</p> <p>Lot 8 DP 1177 , 0 Pittwater Road MANLY NSW 2095</p> <p>Lot 9 DP 1177 , 0 Pittwater Road MANLY NSW 2095</p> <p>Lot 19 DP 1177 , 0 Pittwater Road MANLY NSW 2095</p> <p>Lot 20 DP 1177 , 0 Pittwater Road MANLY NSW 2095</p> <p>Lot 5 DP 1177 , 0 Pittwater Road MANLY NSW 2095</p> <p>Lot 6 DP 1177 , 0 Pittwater Road MANLY NSW 2095</p> <p>Lot 7 DP 1177 , 0 Pittwater Road MANLY NSW 2095</p> <p>Lot 1 DP 535058 , 0 Pittwater Road MANLY NSW 2095</p> <p>Lot 1 DP 931708 , 0 Pittwater Road MANLY NSW 2095</p> <p>Lot 2 DP 928762 , 0 Pittwater Road MANLY NSW 2095</p> <p>Lot 17 DP 1177 , 0 Pittwater Road MANLY NSW 2095</p>

### Reasons for referral

This application seeks consent for the following:

- All Development Applications on land below the 1 in100 year flood level;
- All Development Applications located on land below the Probable Maximum Flood levels.

And as such, Council's Natural Environment Unit officers are required to consider the likely impacts on drainage regimes.

### Officer comments

The proposed development is for the utilisation of Keirle Park for a music festival with up to 8,000 patrons. Keirle Park is subject to high levels of flood hazard.

The applicant has provided a comprehensive Flood Risk Management Report prepared by Northern Beaches Consulting Engineers - dated 10 December 2021. Provided the recommendations of the Flood Risk Management Report are implemented the risk to life can be appropriately managed and the application is recommended for approval subject to 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 Natural Environment Conditions:**

**DEVELOPMENT CONSENT OPERATIONAL CONDITIONS**

**Flood Emergency Response Recommendations**

- 1) All recommendations of the Flood Risk Management Report prepared by Northern Beaches Consulting Engineers prepared 10 December 2021 should be complied with for the duration of the proposed festival, including bump in, festival day and bump out.
- 2) An appropriately qualified engineer with experience in floodplain management should be engaged by the applicant to provide advice and interpret appropriate response action if the 'Flood Watch' alert threshold is reached for Bump In, Day of Event or Bump Out.
- 3) Sufficient copies of the approved Flood Risk Management Report prepared by Northern Beaches Consulting Engineers prepared 10 December 2021 should be made available on-site during Bump In, Day of Event and Bump Out. The Flood Risk Management Report prepared by Northern Beaches Consulting Engineers prepared 10 December 2021 should be attached the event's Emergency or Evacuation Plan.
- 4) The Flood Evacuation Coordinator and Flood Evacuation Assistant should be fulfilling their responsibilities outlined in the Flood Risk Management Report prepared by Northern Beaches Consulting Engineers prepared 10 December 2021 at all times.

Reason: To ensure that the requirements of the Flood Risk Management Report are adhered to and that flood risk to life is appropriately managed.

**CONDITIONS TO BE SATISFIED PRIOR TO THE ISSUE OF THE CONSTRUCTION  
CERTIFICATE**

**Flooding**

In order to protect property and occupants from flood risk the following is required:

Storage of Goods – G1

Storage areas for hazardous or potentially polluting materials shall not be located below the Flood Planning Level of 3.7m AHD unless adequately protected from floodwaters in accordance with industry standards.

Notification of Emergency Services

The applicant must demonstrate that they have notified the relevant NSW State Emergency Service personnel of the proposed event and have provided a copy of the approved Flood Risk Management Report prepared by Northern Beaches Consulting Engineers dated 10 December 2021.

Flood Refuge Access Arrangements

In addition to written permission the applicant must demonstrate that they have appropriate access arrangements established for the identified flood refuge locations.

Roles and Responsibilities

Prior to the issue of the construction certificate the applicant must nominate the names and contact details for the Flood Evacuation Coordinator and Flood Evacuation Assistant. The contact details must be provided to Council.

Details demonstrating compliance are to be submitted to the Certifying Authority prior to the issue of the Construction Certificate.

Reason: To reduce the impact of flooding and flood liability on owners and occupiers of flood-prone property and reduce public and private losses in accordance with Council and NSW Government policy.

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

### **Implementation of Flood Risk Management Report Recommendations**

The applicant must demonstrate that they have implemented the recommendations outlined in the Flood Risk Management Report prepared by Northern Beaches Consulting Engineers prepared 10 December 2021. This includes but is not limited to:

- Installation of on-site rainfall monitoring equipment
- Installation of appropriate flood warning signage

Reason: To ensure that the applicant has implemented the relevant recommendations from the Flood Risk Management Report prepared by Northern Beaches Consulting Engineers prepared 10 December 2021