

10 November 2020

Northrop Consulting Engineers P/L
Po Box 180
CHARLESTOWN NSW 2290

Flood Information Certificate No: FL2020/00262

Land: Lot 152 DP 1202468

Property Address: 70 Raven Street Kooragang NSW 2304

Thank you for your recent enquiry regarding flood behaviour at the above property. This letter confirms the property is located in a flood prone area.

The pertinent features of the flood behaviour are estimated as follows:

Ocean Flooding

Is any part of the site affected by a floodway?	No
Is any part of the site affected by a flood storage area?	No
Estimated 1% Annual Exceedence Probability event level: (equivalent to the “ <i>Defined Flood Level</i> ” in the Building Code of Australia)	N/A
Estimated Maximum Flow Velocity of floodwaters (in the “ <i>Defined Flood Event</i> ” as per the Building Code of Australia)	N/A
Highest Property Hazard Category	N.A
Estimated Probable Maximum Flood Level	3.4m AHD
Highest Life Hazard Category	L1

Hunter River Flooding

Is any part of the site affected by a floodway?	No
Is any part of the site affected by a flood storage area?	No
Estimated 1% Annual Exceedence Probability event level: (equivalent to the " <i>Defined Flood Level</i> " in the Building Code of Australia)	N/A
Estimated Maximum Flow Velocity of floodwaters (in the " <i>Defined Flood Event</i> " as per the Building Code of Australia)	N/A
Highest Property Hazard Category	N/A
Estimated Probable Maximum Flood Level	4.4m AHD
Highest Life Hazard Category	L1

The flood study from which the above information is derived is part of a Newcastle City Wide Floodplain Management Plan. The above advice may change in the future, however the advice is based on the best information held by Council at the time of issue of this certificate.

The above ocean flood level estimates include a sea level rise relative to 1990 mean sea levels of 90cm by 2100, as used in the Newcastle City-wide Floodplain Risk Management Study and Plan (June 2012).

The Newcastle Development Control Plan 2012 addresses the issues of flood management for new development. You can view the development control plan at www.newcastle.nsw.gov.au. In summary, the following requirements apply for all future development applications on the site.

Development in a floodway is not generally allowable due to likely redistribution of flood water.	Not Applicable
Filling of a flood storage area by more than 20% is not generally allowable due to redistribution of flood water.	Not Applicable
Minimum floor level for occupiable rooms in a new development on this site is: (equivalent to the " <i>Flood Hazard Level</i> " in the Building Code of Australia)	Not Applicable
Is onsite flood refuge required?	No

Council holds no information concerning floor levels of existing structures on the site. Site levels and floor levels should be verified by survey based on the Australian Height Datum.

Please note that:

1. No assessment of the lot's suitability for the purposes of making an application for a complying development certificate under the Housing Code or Rural Housing Code of *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*, or for a Secondary Dwelling under *State Environmental Planning Policy (Affordable Rental Housing) 2009*, has been made. This type of flood information can also be obtained from Council via a Flood Information Application. There are two services provided by Council relating to Complying Development flood criteria, as follows:
 - a) Identification of lots affected by any of the flood control lot exclusions identified in subclause 3.5(1) or 3A.38(1) of *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*. If this information is required, select Box 4. b) (i) on the Flood Information Application form and pay the required fee.
 - b) An assessment of a proposal for development of the lot for compliance with the requirements of subclause 3.36(2) or 3A.38(2) of *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*. If this information is required, select Box 4. b) (ii) on the Flood Information Application form, submit plans and other relevant documentation for the proposal and pay the required fee.
2. The information contained in this certificate may alter in the future. The applicant should at all times ensure the currency of this information.

Should you require any further clarification please contact William Wang on 4974 2958 or at WWANG@NCC.NSW.GOV.AU.

Yours faithfully

William Wang
DEVELOPMENT OFFICER