

N & V King  
54 Irrubel Rd  
Newport NSW 2103  
cc- MK Design Associates

29<sup>th</sup> May 2018

**54 IRRUBEL RD NEWPORT  
PROPOSED SECONDARY DWELLING  
FLOOD INUNDATION REVIEW  
Job No 171107**

This report has been prepared in support of the proposed Secondary Dwelling Development Application at No 54 Irrubel Rd Newport in respect to potential flood impacts and the requirements of *Pittwater 21 DCP Section B3.11 Flood Prone Land*.

The property is located on the northern/high side of Irrubel Rd Newport, and is transversed by a natural watercourse located roughly central to the site, north of the existing residence, (refer attached survey by Base Surveying). The watercourse (being a significant topographically feature) collects stormwater flows from an extensive uphill catchment that extends to Bilgola Plateau.

It is proposed to construct a secondary dwelling on the upper / northern section of the site as detailed in the architectural plans by MK Design Associates (refer attached plans). It is noted that the proposed development is located well clear of the predicted flood extents as detailed in the 'Flood Hazard Map' (refer attached as issued by Northern Beaches Council).

Barrenjoey Consulting Engineers p/l inspected the site on 22<sup>nd</sup> Jan 2018.

The flood risk assessment indicates that the proposed development is suitable and that the risk from flooding to this development is at a low and therefore acceptable level. It is to be noted that, due to the many complex factors that can affect a site, the subjective nature of a risk analysis, and the imprecise nature of the science of flood analysis, the risk of persons being injured, to life and property cannot be completely removed. The recommendations within this Report do not remove the risk associated with the predicted flooding event, though lower those risks to an acceptable level reasonably anticipated by the community in everyday life.

Should further information regarding this matter be required please contact our office as outlined below.

Regards  
BARRENJOEY CONSULTING ENGINEERS Pty Ltd  
Per  
Lucas Molloy (Director)  
BE CPEng NER









