File note

Date: 17 June 2009 **Application Number: N/A**

Subject: Mount Maunganui Beachside Holiday Park – Risk Assessments

Rock Fall Assessment Review / Discussion

Present s 7(2)(f)(ii) – TCC Property
s 7(2)(a) Privacy Avalon Consultants, Hamilton

Site meeting to discuss potential rock fall hazards in the proposed cabins area.

Following provision by s 7(2)(a) of a brief overview of historic events related to rock/debris movement – both natural and controlled – a walk over inspection of the NE lower slopes was carried out. s 7(2)(a) indicated a number of rocks which had been monitored during the controlled explosion to remove loose higher debris in 2003 which typify the expected rock fall path.
Site discussion took place regarding the likely direction of any rock fall in relation to the proposed cabins' location. An inspection of the area immediately above the proposed cabins' areas was also carried out. s 7(2)(a) indicated that the likely path of any moving rock in this area was through the gully visible above this site. There is evidence to suggest this is the case.
A rock which had moved following heavy rain in 2005 was then viewed on approx SE lower slope to the rear of the Harbour amenity block.

The general consensus of the discussion was that the risk in regard to rock fall hazard associated with the cabins' area exists at a low level and is not significant. s 7(2)(a) report suggests that that from the upper levels a fall of 1 rock in 66 years entering the camp ground as a whole could be an over estimate and given that the boundary of the proposed development is approx 100 m the probability then rises to 1 in 130-260 years.
Historically we have no information that any falling rock has been recorded entering the camp ground other than during a controlled and intentional event.
The above would indicate an acceptable level of risk.

Finally – discussion on the advantages of installing low level mitigation in the form of a rock fall retaining fencing system – s 7(2)(a) advised this would need to be site specific design but options are available in the market. Briefly the fencing, installed above the gully, would protect the majority of the cabins' area from an unexpected event by reducing the impact of any rock fall.

s 7(2)(f)(ii)