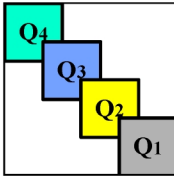


239439 Redacted
MEMORANDUM



TO: [REDACTED]
Reserves and Facilities

COPIES: [REDACTED];

FROM: [REDACTED]

SUBJECT: MOUNT MAUNGANUI SLOPE HAZARDS

DATE: 20 November 1998

In Reply Please Quote: P260-1-10

With regard to the potential risk posed by the natural migration of boulders and colluvium slides from the upper slopes of Mauao onto the camping ground and Hot Pools below I comment as follows:

After a walkover with [REDACTED] today, I consider that, as Asset Manager for this land, it would be very prudent for you to commission an overview study of these slopes to assess the short and long-term risks and possible boulder debris from these slopes to the above amenities.

Prior to any larger or more detailed investigations being undertaken, I believe that the overview investigation should be undertaken by Dr Laurie Richards who is highly experienced in this field.

The brief to Dr Richards should include, as a minimum:

- a summation of the condition of the existing slopes;
- a summary of the geological process involved in shaping the slopes;
- the potential short term and long term risks associated with the slopes in their existing state;
- recommendations on the mitigation of these short and long term risks through either remedial works, further investigations and public education;
- recommendations for additional investigative work;
- recommendations on on-going monitoring of the slopes for signs of creep or boulder release;
- outline a long term strategy plan for management of these slopes should he consider the above inappropriate.

The recommendations made within the report can then be used for short and long term budget purposes as well as displaying the long term strategy for managing the hazard. This is something that Council needs to do to display due diligence when managing land under its jurisdiction/management.

Due to his experience in the field and his standing in the consultant community, I believe that Dr Richards is the best person to undertake the overview study. This will provide the initial report with greater impact and credibility and provide a very good basis with which to proceed with the long term management of Mauao.

I also believe it is more appropriate for Dr Richards to conduct the initial review rather than one of the larger organisations s 7(2)(f)(ii) is presently proposing.

The aerial photographs we ordered on your behalf will be available next week as they have had problems procuring the earlier photos. These will be available for whoever conducts the review.

I would be more than happy to discuss the matter with you should you wish, so please don't hesitate to contact me.

s 7(2)(f)(ii)

s 7(2)(f)(ii)yc