



West Coast

Natural Hazards Resource Kit

Draft 2004

VOLUME I

Introduction

This resource kit has been developed by the West Coast Regional Council's Environmental Information Officer for the West Coast community and schools. It is based on a report made to Council in July 2002 by Derek Todd Environmental Consulting (DTec Consulting Ltd). DTec were given a project brief by WCRC asking them to conduct a review which would:

- *Summarise hazards research carried out which is relevant to the West Coast*
- *Identify gaps in hazards research*
- *Make recommendations for future work research based on Regional Council needs for hazard management*

The order of presentation of the natural hazards review material is the same as that in the DTec Report, i.e. there are five sections on hazards resulting from flooding, landslides, coastal events, earthquakes and climatic events.

In addition there are three appendices on related topics, none of which are fully covered in the Dtec Report. The appendices cover the Alpine Fault, the monitoring of natural hazards (flooding, earthquakes) and about Civil Defence & Emergency Management for the West Coast.

The last section comprises Work Units about West Coast natural hazards for Primary Schools in five of the seven essential learning areas of the New Zealand School Curriculum (English, Social Sciences, Technology, Mathematics and Science). The work units were written to help teachers with forward planning after consultation was carried out with a number of West Coast primary and secondary schools to establish links between the school curriculum and natural hazards education at the end of 2002.

Essentially this resource kit has been designed as a learning tool for students of all ages. It does not aim to contain all known information about West Coast Natural Hazards. Instead initial information is given from the Dtec Report about each hazard area and this is followed by a number of Resource Examples to show the types of information which can be sourced by utilizing the Reference and Website listings for each section. While the Resource Examples contain useful information in themselves, the aim of this resource kit is to promote research rather than copying verbatim.

Users are welcome to copy material from this resource for educational use but it is expected that full care will be taken to ensure that authorship of textual material, diagrams and photographs is correctly acknowledged.

A number of the references listed are available from the West Coast Regional Council to both the wider community and teachers for schools use. Enquiries regarding the loan of these should be made to the WCRC Environmental Information Officer.



Map



Map of West Coast Region as administered by the West Coast Regional Council and three District Councils (Buller, Grey and Westland).

