

Robert Stewart



Areas of Specialisation

Environmental contamination at mine sites and site

Undergraduate and postgraduate teaching in Natural

Volcanic hazard determination and assessment

Qualifications

BSc

PhD (Soil Science)

MSc (Geology)

Contact

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Languages

English

Countries of work experience

New Zealand

Experience

Bob is an earth scientist working in the fields of volcanology and land reclamation. A focus of his research is on the understanding of eruption cycles on New Zealand volcanoes in order to elucidate the complete eruptive history and style of a given volcano. This data can then be used to determine the nature and extent of the hazard posed by the full combination of events in a given eruption. Bob also has 15 years research experience in mine site and disturbed land reclamation in New Zealand. This includes researching reclamation practices for a mining licence application as well as designing, specifying and monitoring operating conditions for final reclamation. Current work includes researching revegetation strategies for steep, pyritic pit walls in the opencast mines.

Track Record

- : Member of the Massey University Board of Studies for the Diploma in Emergency Management.
- Reclamation consultant for the Waihi Gold Mining Company; project at Martha Hill, Waihi: Past reclamation projects include; preliminary trials on plant growth media for Macraes Mining in Otago, native revegetation strategies for the Stockton opencast coal mine, Westland, an assessment of
- : Participating Scientist in the project "Genesis of andesites and the geochemical evolution of andesite volcanoes in New Zealand;" funded by the Australian Research Council.
- : Member of the Egmont Advisory Group to the Taranaki Regional Council for the Taranaki Seismic Monitoring Network.
- : Co-leader of a 1992 scientific expedition to study volcanic processes in the Kermadec Islands.
- : Bob is author of 42 refereed papers 50 conference abstracts and 24 technical reports, the latter mainly relating to mine reclamation.