

Paper Title: A framework for landslide risk assessment and management

Author(s): R. Fell, K.K.S. Ho, S. Lacasse & E. Leroi

Abstract:

This paper provides a framework for landslide risk assessment and management. It outlines the processes of hazard analysis, including characterization of the landslide (the danger); frequency analysis; the risk estimation calculation; risk evaluation against risk tolerance criteria and value judgements. The paper discusses the benefits and limitations of quantitative and qualitative risk management, and gives simplified examples.