

Relevant material for the C24 webpages has been collected by Kendra J. Williams & Keith Olson, Engineering Geology students of Prof. Scott Burns at Portland State University (USA) in the framework of a students assignment. The following material has not yet been screened and commented nor approved by the C24 chair and membership.

Text Books

- a. Cornforth, D. H., 2005, **Landslides in Practice: Investigation, Analysis, and Remedial/Preventative Options in Soils**: Wiley, p. 624.

Combines clearly written descriptions and real-life case histories in an authoritative, practical guide to landslide investigation, evaluation, and mitigation design. It presents state-of-the-art investigative techniques and practical information on proven remediation techniques and technologies, including handy checklists for undertaking an initial field examination of a landslide. The book also describes the technical tools needed to study landslides-site investigations, soil shear strength properties, and slope stability analyses-and details forty-five methods for stabilizing landslides or preventing instability in soils from occurring. Most remediation techniques are keyed to the ENR Construction Cost Index to help readers determine a rough estimate of the costs associated with the various techniques.

- b. Cosgrove, J., Jones, M., 1991, **Neotectonics and Resources**: John Wiley & Sons, Great Britain, p. 320.

Examines the geology and geomorphology of active plate margins within the context of applied geology. The concept of neotectonics (recent earth movements) is introduced. Includes theoretical and empirical studies covering east Asia, the Pacific, the Mediterranean, Africa and North America.

- c. Keller, E. A., and Blodgett, R. H., **Natural Hazards: Earth's Processes as Hazards, Disasters and Catastrophes**; Prentice Hall, p. 512.

“For professors and students of natural hazards or courses in earthquakes and volcanoes, Edward A. Keller and Robert H. Blodgett's treatment of fundamental scientific concepts addresses societal interactions and Earth processes. Included with every text, the Hazard City CD-ROM gives instructors meaningful, easy-to-assign, and easy-to-grade assignments based on the idealized town of Hazard City.” From www.dropshippers.co.za

“A book designed for readers interested in the environment, this is an excellent source for Earth science information about hazardous Earth processes which affect virtually everyone living on this planet. Interesting and well-written, this book includes broad coverage of many natural hazards, including earthquakes, volcanoes, flooding, landslides, coastal erosion, extreme weather, and wildfires. For those interested in a comprehensive book about our environment and the impact of natural hazardous processes; also useful as a reference work for science writers and editors.” – From www.goodreads.com

- d. Maund, J. G. & Eddleston, M. (eds) 1998. **Geohazards in Engineering Geology**. Geological Society, London, Engineering Geology Special Publications, 15.

“Geohazards in Engineering Geology provides a selection of authoritative research papers and case histories from locations around the world. The papers exemplify the impact that natural hazards can have on society; how hazards have been identified and the engineering solutions used for mitigating them. The book includes accounts of hazards posed by volcanic eruptions, earthquakes, rivers, glaciers and coastal instability. Consideration is given to swelling soils, 'natural' underground cavities and slope stability. The book is of direct relevance to academic and practicing engineering geologists, geotechnical engineers and civil engineers. The papers will also be of interest to planners and government authorities in regions where natural hazards impose significant financial and social costs associated with loss of life, livelihoods and property. 448 pages, 237 illustrations, 44 papers.” From the back cover of the book.

- e. Sharma, K. K., Bandooni, S. K., and Negi, V. S., 2010, **Environmental Geo-Hazards, Science and Society**: Research India Press, p 250.

“Environmental Geo-Hazards are of utmost concern today, as there is huge loss to life and property. The concern varies from individual to the state government. Government has set up many scientific departments to carry out research and development programs on Geo-Hazards. Department of Science and Technology, Govt. of India is the pioneering which has taken various scientific steps in research and development in the field of Geo-Hazards.”
From www.dkpd.com