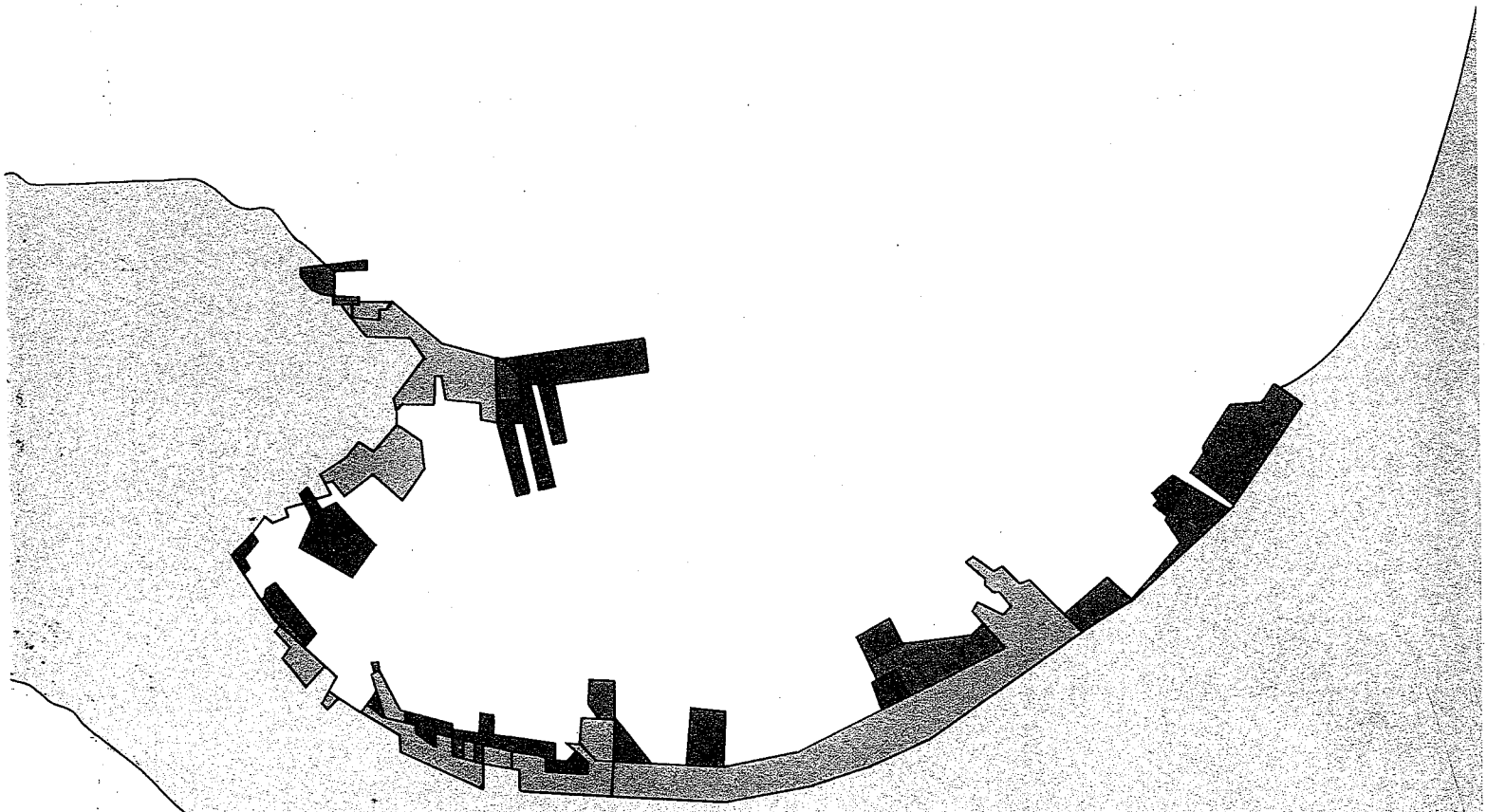
Manual for Zonation on Areas Susceptible to Rain-induced Slope Failure



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Asian Technical Committee on Geotechnology for Natural Hazards in ISSMFE

Manual for Zonation on Areas Susceptible to Rain-induced Slope Failure

Prepared by

Asian Technical Committee on Geotechnology for Natural Hazards in ISSMFE

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MANUAL FOR ZONATION ON AREAS SUSCEPTIBLE TO RAIN-INDUCED SLOPE FAILURE

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PREFACE

To promote activities relevant to geotechnical issues in Asian region, the Japanese Geotechnical Society proposed to organize a technical committee on "Geotechnology for Natural Hazards" and it was endorsed in 1993 by Professor A. S. Balasubramaniam, vice-president of Asian region of ISSMFE, as one of the Asian Technical Committees. To implement its activities, a task committee was established in the Japanese Geotechnical Society. The aims were set as follows:

1. To compile up-to-date information on ground motion, liquefaction and slope instability during recent earthquakes and to revise the initial version of "Manual for Zonation on Seismic Geotechnical Hazards".
2. To compile methodologies presently used for predicting shallow-depth failure of natural or man-made slopes and to draft a manual for zonation on rain-induced slope failure.

With respect to the second aim, the state-of-art is still in embryo, but efforts have been made to synthesize results of existing individual works on the prediction of slope failure caused by rainfall. This volume is intended to publicize the outcome of such endeavour by the Committee consisting of the members as listed below.

In the editing work of the original work was made by the help of Drs. Okada, Imamura, Kumaki, Yoshida, Iai and Yasuda. Dr. J. Premchitt of the Geotechnical Engineering Office of Hong Kong Government provided information on the Hong Kong practice. Their efforts are to be acknowledged with deep thanks.

July 15, 1997

Kenji Ishihara

Chairman of the Asian Technical Committee
on Geotechnology for Natural Hazards

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