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Nota di contenuto	""Probabilistic Methods in Geotechnical Engineering""; ""Copyright""; ""Contents""; ""Executive Summary""; ""CONCLUSIONS""; ""RECOMMENDATIONS""; ""1 Introduction""; ""REFERENCES""; ""2 Use of Probabilistic Methods""; ""INTRODUCTION""; ""BACKGROUND""; ""FACTORS THAT HAVE INHIBITED USE""; ""AREAS THAT HAVE POTENTIAL FOR WIDESPREAD USE""; ""Example 1: Probability of Levee Failure""; ""Example 2: Seismic Hazard Analysis of an Earth Dam""; ""Example 3: Risk Analysis for Dam Design in Karst Terrain""; ""Example

4: Selecting Pumping Rates for an Extraction Well"

"Example 5: Site Investigation Strategy""Example 6: Selecting the Design Safety Factor for a Dike"; "Example 7: Quality Assurance of Geomembrane Liners"; "Example 8: Penetration Resistance of an Offshore Gravity Platform"; "Example 9: Selecting Design Strength for Slopes in Glacial Lacustrine Soil"; "REFERENCES"; "3 The Role of Probability in Codes and Regulations"; "INTRODUCTION"; "BACKGROUND"; "APPLICATION OF LOAD- AND RESISTANCE-FACTOR DESIGN"; "EUROCODE NO. 7, GEOTECHNICS"; "CODES RELATED TO ENVIRONMENTAL GEOTECHNICS"; "CONCLUSIONS"; "REFERENCES""4 Education Needs and Technology Transfer""INTRODUCTION"; "EDUCATION OF GEOTECHNICAL ENGINEERING STUDENTS"; "EDUCATION OF PRACTICING GEOTECHNICAL ENGINEERS"; "REFERENCES"; "Appendix A: Background and Statement of Work"; "BACKGROUND"; "STATEMENT OF WORK"; "Appendix B: Workshop Agenda and Participants"; "AGENDA"; "WORKSHOP PARTICIPANTS"; "Appendix C: Basic Concepts of Probability and Reliability"; "BACKGROUND"; "DESCRIPTION OF UNCERTAINTIES AND PROBABILITY ASSESSMENT"; "FROM SOIL SPECIMAN TO IN SITU PROPERTY"; "FROM FIELD-TEST TO FIELD PERFORMANCE""FACTOR OF SAFETY""RELIABILITY-BASED DESIGN"; "MULTIPLE MODES OF FAILURE"; "UPDATING OF INFORMATION"; "UNCERTAINTY IN MAPPING OF MATERIAL TYPES"; "DECISION UNDER UNCERTAINTY"; "REFERENCES"; "Appendix D: A Selected Bibliography on Geotechnical Reliability"; "TECHNICAL BOOKS AND JOURNALS"; "CONFERENCE PROCEEDINGS"
