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**Specification of geological investigation for debris flow
stabilization**

(English Translation)

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Table of Contents

Preface
Introduction
1 Scope
2 Normative references
3 Terms and definitions
4 Basic regulations
5 Types of debris flow and classification of hazards
6 Debris flow investigation
7 Debris flow control engineering survey
Appendix A (informative appendix) Classification of debris flow types
Appendix B (Normative Appendix) Rainstorm intensity index R
Appendix C (informative appendix) Identification of the development stage of debris flow gully
Appendix D (Normative Appendix) Prediction of single-ditch debris flow hazardous area
Appendix E (informative appendix) Main methods of debris flow investigation
Appendix F (informative appendix) Debris flow test method
Appendix G (Normative Appendix) Quantitative Comprehensive Evaluation of Debris Flow Gully and Level of Proneness
Appendix H (Informative Appendix) Debris Flow Survey Form
Appendix I (Normative Appendix) Determining Characteristic Values of Debris Flow
Appendix J (Normative Appendix) Investigation and Judgment of Regional Debris Flow Activity

Foreword

Appendix B, Appendix D, Appendix G, and Appendix I of this specification are normative appendices, and Appendix A, Appendix C, Appendix E, Appendix F, and Appendix H are Informative appendix.

This specification was proposed by the Department of Geology and Environment of the Ministry of Land and Resources.

This specification is under the centralized management of the Department of International Cooperation and Science and Technology of the Ministry of Land and Resources.

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This code is interpreted by the Department of Geology and Environment of the Ministry of Land and Resources.

DZ/T 0220-2006

Introduction

In order to avoid or reduce the losses caused by debris flow disasters, maintain the safety of people's lives and property, unify technical standards, and standardize debris flow prospecting Work to make the debris flow prevention and control project economically reasonable, technically feasible, safe and reliable, and realize the purpose of disaster prevention and mitigation for sustainable economic and social development.

According to the State Council Order No. 394, "Regulations on Prevention and Control of Geological Disasters", this specification is formulated.

DZ/T 0220-2006

Specification for investigation of debris flow disaster prevention engineering

1 Scope

This code stipulates the classification and hazard classification of debris flow, and the investigation and survey of debris flow disasters.

This code is applicable to public security such as natural or human factors that endanger urban population concentration areas, large and medium-sized industrial and mining enterprises, scenic spots, etc.

Full debris flow disaster investigation work; also applicable to debris flow disaster investigation that endangers the safety of infrastructure such as water conservancy, hydropower, roads, railways, etc.

jobs.

2 Normative references

The clauses in the following documents become clauses of this standard after being quoted. For dated reference documents, all subsequent Amendments (not including errata content) or revisions do not apply to this standard. However, all parties that have reached an agreement based on this standard are encouraged to study is the latest version of these files available? For undated references, the latest version is applicable to this standard.

GB 5000-2002 Code for Design of Building Foundation GB 50021-2001 Code for Geotechnical Investigation GB/T 50266-1999 Engineering rock mass test method standard GB 50287-1999 Code for Geological Investigation of Water Conservancy and Hydropower Engineering GB J27-1991 Railway engineering geological debris flow survey rules GB J50-1990 City Flood Control Engineering Design Code

3 Terms and definitions

The following terms and definitions apply to this standard.

Due to precipitation (torrential rain, glaciers, snow melt water), a large amount of solids such as sand, rocks, boulders, etc. are produced on the valley or mountain slope.

The special torrent of matter. The process of catchment of water and sand is very complicated, and it is the product of various natural and (or) human factors.

Refers to a catastrophic debris flow that causes loss or harm to people's lives and property; if the debris flow does not cause loss or harm, it will only it is a natural geological function and phenomenon.

After investigation, there is no recent history of debris flow activity, but there are valleys where debris flow may occur in some conditions.

Based on the collection of existing data, the formation, activity, accumulation characteristics, development trend and development trend of debris flow in the area of debris flow activity Various field investigations, comprehensive analysis and evaluation of hazards, combined with the prevention and control engineering plan determined by the debris flow investigation, and the use of surveying, mapping and exploration (Drilling, geophysical prospecting, etc.), trial (experiment) and other means, to find out the corresponding feasibility demonstration stage, design stage and construction stage needed for prevention and control projects the working process of engineering geological conditions.

DZ/T 0220-2006