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Titolo	Emergency Handling of the "5.12" Tangjiashan Barrier Lake // by Qigui Yang, Wenjun Yang
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Descrizione fisica	1 online resource (355 pages)
Altri autori (Persone)	YangWenjun
Disciplina	551 363.34
Soggetti	Natural disasters Water Hydrology Physical geography Geomorphology Geology Geotechnical engineering Natural Hazards Physical Geography Geotechnical Engineering and Applied Earth Sciences
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Nota di contenuto	Introduction -- Hydrologic analysis of Tangjiashan barrier lake area -- Geological characteristics of Tangjiashan barrier lake area -- Outburst flood evolution analysis of Tangjiashan barrier lake -- Study on the anti-impact stability of discontinuous wide graded mixture of weir body -- Study on the emergency danger elimination plan of Tangjiashan barrier lake -- Construction of Tangjiashan barrier lake emergency danger elimination project -- Emergency monitoring and assurance system -- Evaluation of the discharge process of lake water and the effect of risk removal.
Sommario/riassunto	This book introduces emergency management of barrier lakes systematically, including theories and practices, risk assessment under extremely high-risk conditions, evolution of outburst floods, analysis

of anti-impact stability, and emergency management technology and assessment of risk elimination effect. It takes the Tangjiashan barrier lake as a successful case study to illustrate effective treatment of barrier lake with high risks, poor environmental conditions, extremely urgent rescue time and high disposal difficulties. It retains a large number of images and data of great research value for the lake risk assessment and building technological emergency system. It provides a reliable reference for the government, scientific researchers and survey and design team to deal with the sudden natural disaster in barrier lakes, especially caused by huge earthquake.

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