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Soggetti	Earth Geology Technology—History Hydrology Engineering geology Engineering—Geology Foundations Hydraulics Natural disasters Geotechnical engineering Popular Earth Science History of Technology Hydrology/Water Resources Geoengineering, Foundations, Hydraulics Natural Hazards Geotechnical Engineering & Applied Earth Sciences
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Nota di contenuto	Foreword -- Journey into the Past – Introduction -- Dams and Society: Treasures and Troubles – Safety of earthen dams -- Genealogy of the South Fork Dam -- Changes wrought by the South Fork Fishing & Hunting Club -- Gathering of Waters - How we study rivers in flood -- Storm Clouds – Dawn of the 1889 flood -- Day of the Dam Breach - Eyewitness account of engineer John Parke -- Aftermath --

Investigation by the American Society of Civil Engineers (ASCE) -- Post Mortem - Science reveals the true cause -- Autopsy – Probing the ASCE Investigation -- J. Wesley Powell - “The Lesson of Conemaugh” -- Conclusions -- Acknowledgements -- Technical Appendix.

Sommario/riassunto

Science now reveals the true cause of the dam breach flood that destroyed Johnstown in 1889. The tragic loss of more than 2200 lives was preventable; the initial investigation of the flood was hijacked, delayed, and distorted by powerful members of the industrial elite. This book bridges the gap between history and science, reexamining eyewitness accounts of the flood and historic documents about the investigation, and applying new LiDAR, GPS, and hydraulic studies to solve the mystery – what caused the Great Flood of 1889? The book includes a notable chapter on the “sister” of the South Fork Dam, “The Forgotten Dam” at Hollidaysburg, PA.
