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Sommario/riassunto	This book provides the latest knowledge and advances in mine drainage, an increasingly important field due to its environmental and economic importance. The book contains a comprehensive overview of the most promising current passive treatments for mine drainage. Specifically, this book methodically explores recent literature of passive treatment research and classifies them as source control, in situ, and ex situ solutions. Each type of technology is discussed in terms of

mechanisms, applicability, advantages, disadvantages, current research, and trends in the field. This work emphasizes the comprehensiveness of the entire field, offering researchers and policymakers a guide for reference, research ideas, understanding, and application of each technology. It further discusses recent trends in the material selection of passive treatment applications, and largely the use of industrial waste and by-products to incorporate more sustainable practices for mine drainage remediation. .

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