Simple spreadsheet for predicting acid mine drainage

s.n - Predicting the neutralisation of acid mine drainage in anoxic olivine drains

Description: -
-simple spreadsheet for predicting acid mine drainage
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Notes: 13
This edition was published in 1993

Tags: #Predicting #taxonomic #and #functional #structure #of #microbial #communities #in #acid #mine #drainage

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It was suggested that more extreme conditions are less conducive to microbial growth, making survival capacities more important than the abilities for enhancing microbial competition. Although several recent metagenomic studies have revealed a significant correlation between phylogenetic diversity and functional diversity ; , specific functional traits and microbial species may not always have a the definite relationship, as functional interchange may occur across different taxa , resulting in the conspicuous decoupling of ecological attributes from phylogeny ;.

1993 Symposium Papers

The tests are approximates, not exacts.

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Data profiles that is, the relative influence of different PCs for each gene were clustered with average clustering method based on the Pearson correlation. There is cause for optimism that the vital advancements are possible.

Predicting Acid Mine Drainage: Past, Present, Future

Accurate AMD prediction still represents a challenging concept because of the multifaceted mineralogical, geochemical and microbiological processes leading to AMD. In particular, rapid and cost-effective screening tests need to be developed that can be conducted on site, consider or speed up weathering reactions, and address the well-known limitations of present static tests.

Build A Groundwater Model

You are using a browser version with limited support for CSS. Unfiltered samples were collected for measurements of anions, pH, EC, alkalinity and suspended solids.

Treatment of Mine Drainage by Anoxic Limestone Drains and Constructed Wetlands

Total deposit knowledge is the solid understanding of all the pertinent characteristics of a mineral resource including its likely environmental impacts. Ficklin diagram Plumlee et al.

Treatment of Mine Drainage by Anoxic Limestone Drains and Constructed Wetlands

Nat Rev Microbiol 10: 497—506. Early civilisations of Mesopotamia and Egypt as well as Greek and Roman scholars were familiar with the salts formed from pyrite oxidation 4. In contrast, spatial distribution was found to contribute less to both gene diversity and metabolic potential.

Predicting taxonomic and functional structure of microbial communities in acid mine drainage

After the generation and selection of the best-fitting equation, the data of the remaining 10 samples were imported to validate this equation. Nevertheless, early AMD characterisation and risk assessment at the exploration, pre-feasibility and feasibility stages support more effective management of ores and wastes during mineral processing, subsequent storage of waste and ultimately improved mine closure outcomes. Costs of failing to predict and manage AMD for individual operations and for the mining industry include inadvertent spending on remedial measures and reputational damage 12.

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