

Optimizing Remediation Approaches at Mine Sites: How Understanding Biogeochemical Processes and Modeling Can Guide AMD and In Situ Uranium Treatments

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- Understanding fundamental biogeochemical processes at metal-rich sites can improve conceptual and numerical models
- Case studies illustrate surface and in situ groundwater treatment approaches with associated laboratory experiments, including acidic, metal-rich waters and uranium-impacted aquifers
- Strong links between microbiology, mineralogy, hydrology, and water chemistry are crucial for models development applied to site management.