



WATER RESOURCES RESEARCH GRANT PROPOSAL

Project ID: MT2001

Title: Development of an internet mapping application to allow spatial queries and data extraction from the MBMG Abandoned/Inactive Mine database

Focus Categories: Water Quality, Groundwater

Keywords: data access, water quality, internet map server, abandoned and inactive mines

Start Date: 03/01/2001

End Date: 02/28/2002

Federal Funds: \$10,765

Non-Federal Matching Funds: \$21,904

Congressional District: 1 and only

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Abstract

The quality of water associated with abandoned and inactive mines (AIM) is an important environmental issue in the state of Montana. The Montana Bureau of Mines and Geology (MBMG) has inventoried nearly 4,000 abandoned and inactive mine sites for the U.S. Forest Service (USFS) and the Bureau of Land Management (BLM). Data associated with these samples are stored in MBMG's Ground Water Information Center (GWIC) database. Although extensive data relating to water quality associated with abandoned and inactive mines exists at MBMG, there is no easy method for the public and other government agencies to query this data. An internet mapping application would meet all of these needs. The application would allow for spatial queries of the AIM database. Queries could be related to any number of other spatial variables. For example, all AIM within a particular National Forest or a particular watershed could be selected. Once specific AIM sites are selected, the application would give the user the option of querying the GWIC database for information on water and soil samples.