



WATER RESOURCES RESEARCH GRANT PROPOSAL

Project ID: NM1421

Title: Geographic Information System for Water Resources Research Planning

Focus Categories: Management and Planning, Water Quality

Keywords: geographic information systems, water resources information, data development, education

Start Date: 03/01/2001

End Date: 02/28/2002

Federal Funds: \$50,321

Non-Federal Matching Funds: \$21,533

Congressional District: 2nd

Principal Investigator:

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Abstract

As use of Geographic Information Systems has grown and presented new opportunities, it also has raised a number of new issues and problems. Of increasing concern is the management of a growing collection of spatial data sets and applications programs. These data sets and programs are very expensive to produce but relatively easy to share, so there is a great incentive to avoid duplicating production efforts. The trend clearly is toward managing these elements in distributed spatial libraries.

The New Mexico Water Resources Research Institute (NMWRRI) has become the focal point for Geographic Information System utilization concerning water resources in New Mexico and the southwest region of the United States. This is an ongoing project with new data continually being added to the database and assistance being given to produce specific GIS products upon request.

Various research activities are supported by the system for water resources planning in the state. The NMWRRI provides GIS support to a number of government and public entities in the state and region.