

Report for 2002WY3B: Product accessibility and dissemination for the Water Research Program at the University of Wyoming

There are no reported publications resulting from this project.

Report Follows:

Problem and Objectives:

In the west, water is critical to survival. Data and information concerning this resource are very valuable. However, unless information developed from research is easily obtained, all of the effort and expense of collecting, analyzing, and reporting the information is of little use. Therefore, the objective of this project is to establish an efficient and effective way to disseminate the data and information developed by the Water Research Program (WRP).

Methodology:

Significant modifications of the approach for information dissemination have been implemented during FY02.

Water Resources Program Web Site: The Water Research Program's web site was transferred from the University of Wyoming Water Resources Data System (<http://www.wrds.uwyo.edu/wwrp/wwrp.html>) to the Civil and Architectural Engineering Department in the Engineering College and can be viewed at the following URL: <http://wwweng.uwyo.edu/civil/research/wwrp/> The main reason for the move was to permit easily access to the Director for updating information. Considerable work was performed revising the site, with more planned. This site is used to disseminate information about the WRP, including posting of the Program's Section 104(b) Request for Proposals, contact information, listing of abstracts and program products, useful links, and announcements, such as the Announcement/Request for Proposals for the National Competitive Grant Program authorized by Section 104(g) of the Water Resources Research Act of 1984, as amended.

Report to Program's Priority and Selection Committee: A Priority and Selection Committee (P&S Committee) reviews and approves all proposals submitted to the USGS for consideration under the Wyoming Water Research Program. The P&S Committee is a group of Federal and State representatives which also prepares the Section 104(b) Request for Proposals each year. The P&S Committee has recognized the importance of information dissemination to the overall WRP. Since the P&S Committee represents seven agencies actively involved in water planning and management, they are well informed with respect to information needs. The Committee has requested reports at its summer 2003 from PIs of all projects completed to date.

Distribution of Information Through Water Resources Data System: The Water Resources Data System's (WRDS) Water Library collects and maintains publications on water, particularly Wyoming water issues. The Water Library is the single largest repository of water and climate data and information in the State of Wyoming. The Library provides physical and bibliographic access to various publications that have been produced by federal and state government agencies, student research and other sources. The Water Library exists to provide current and historical information on regional water issues, maintain and expand the Wyoming Water Bibliography on the Internet (a search-based catalog of the locations and holdings of regional water publications) and provide

access to these publications. Patrons include students, faculty members, government employees and the public. Researchers with the WRP use the Water Library as a reference and historic data source. WRDS will house in the Water Library and on-line, to the extent possible, the data and information developed under the WRP which will further increase the viability of the Water Library's collection. This function will likely be performed on a no-cost basis to the WRP.

Principal Findings and Significance:

PIs of projects supported under the WRP often present information to various audiences without preparing formal publications which can be referenced. The following FY02 presentations have been reported to the Director.

Pochop, L.O., 2002. Wyoming's water research program, presentation at the Wyoming Water Association Education Seminar, Casper, WY, Oct.

Wilkerson, G. V., Lewis, B., and Konrad, S. K. (2003). Impact of DEM resolution on estimating hydrologic variables. Manuscript in preparation.

Wilkerson, G. V., Baxter, J. C., Johnson, J. (2000). GIS Erosion Potential Model for CBM Water Impacts. Paper presented at the 2000 Fall Geology Conference; Coalbed Methane in the Powder River Basin.

Wilkerson, G. V., Baxter, J. C., Johnson, J. H., and Konrad, S. K. (2003). A GIS model for assessing the impact of increased channel discharges on hydraulic geometry. Manuscript in preparation.

Wilkerson, G.V. (May 2003). Modeling CBM Surface Water Impacts Using Erosion Potential Modeler. Invited presentation to the State Water Forum, Cheyenne, WY.

Wilkerson, G.V. (Jan. 2003). Modeling CBM Surface Water Impacts Using Erosion Potential Modeler. Invited presentation to the Niobrara Conservation District and the U.S. Natural Resources Conservation Service, Lusk, WY.

Wilkerson, G.V. (2002). Modeling CBM Surface Water Impacts Using Erosion Potential Modeler. Invited presentation to the Department of Civil Engineering and the Department of Geology, University of Minnesota, Minneapolis, MN.

Wilkerson, G.V. (2002). Modeling CBM Surface Water Impacts Using Erosion Potential Modeler. Geological Society of America Annual Meeting, Denver, CO.

Wilkerson, G.V. (2002). GIS Model for Evaluating Coal Bed Methane Surface Water Discharges. Invited presentation to the Basin Advisory Group, Dayton, WY.

Wilkerson, G.V. (2002). GIS Model for Evaluating Coal Bed Methane Surface Water Discharges. Invited presentation to the Basin Advisory Group, Lusk, WY.

Wilkerson, G.V. (2002). GIS Model for Evaluating Coal Bed Methane Surface Water Discharges. Invited presentation to the Niobrara Conservation District, Lusk, WY.

Wilkerson, G.V. (Sept. 2002). Modeling CBM Surface Water Impacts Using Erosion Potential Modeler. Invited presentation at the CBM Water Management Conference, Jackson Hole, WY.

Wilkerson, G.V. (2001). GIS Erosion Potential Model for CBM Water Impacts. U.S. Geological survey NAWQA Liason Meeting.

Wilkerson, G. V., Baxter, J. C., Johnson, J., and Montgomery, J. (2000). Burger Draw Erosion Potential Mapping Project. Invited presentation at the August meeting of the Methane Operators Group in Casper, WY.