

Mosier Watershed Council Meeting

December 2, 2004

Update on USGS-Wasco County Ground-Water Study

Recent USGS Activities

1. Workplan and budget approved for full project by USGS Regional Headquarters.
2. Provided assistance with preparation of grant proposals.
3. Defined tasks for a \$64,000 Start-Up Project.
4. Joint Funding Agreement for Start-Up Project submitted to Wasco County for signatures.

Goals of Start-Up Project

1. Begin assessing available data and assembling hydrologic database and GIS database.
2. Begin collecting basic hydrologic data (ground-water levels, stream flow)
3. Begin testing potential co-mingling wells; evaluate geophysical logging methods.

Plans for Start-Up Project

1. Begin work April 1, 2005.
2. Compile and assess existing data
 - a. Begin updating the USGS National Water Information System (NWIS) ground-water database with well location, construction, geology, and water-level information. The information will come from OWRD files and previous studies. Some NWIS data is available online at <http://waterdata.usgs.gov/or/nwis>
 - b. Compile stream flow data; update NWIS
 - c. Compile GIS data
3. Plan and initiate hydrologic monitoring networks
 - a. Inventory selected wells drilled since 1986 (OWRD study)
 - b. Select 20-30 wells to measure every 2 months for 12 months
 - c. Select 10-12 stream flow measurement sites to measure monthly for 12 months
4. Begin co-mingling well testing
 - a. Select 3 representative wells
 - b. Run logs including: flow meter, caliper (diameter), temperature, and video
5. Establish well-logging network
 - a. Put out request to be notified of: wells where pumps will be pulled for repairs or new wells; run logs as needed.
6. Report progress, results, and plans to Mosier Watershed Council at meetings.
7. Continue to assist Wasco County and Watershed Council with preparation of grant applications to secure funds for full project.

Questions? Contact Dave Morgan, USGS, 503-251-3263, dsmorgan@usgs.gov