

December 2005 Water Quality Program Progress Summary

By: Corey Hanson

Meetings

- ❖ **December 13th – 14th** – SWAT model seminar (Jim and Corey)
 - The EERC has completed a SWAT hydrologic model for nearly all the subwatersheds of the Red River Basin. The model can also be used for water quality modeling.
- ❖ **December 15th** – Informational Meeting About Impoundments in the Thief River watershed – held at the Newfolden Community Center
 - Loren and I attended and presented information at the meeting
 - Filled out a summary form for each RLWD impoundment
 - Power Point Presentations from each agency with impoundments (including the RLWD)
 - Small group discussions

Tile Drainage Study

Rain gauges were removed from the field for the winter.

Clearbrook Stormwater Study

The Clearwater SWCD received a grant to complete a stormwater study for Clearbrook. The SWCD will share some of the cost share money with us if we help with the project. In 2004, the RLWD completed much of the data collection necessary for planning a stormwater retention project. I had intended to complete the project this winter anyway, but now that we can bill the SWCD for half of our time, I should give the project a higher priority and get it done. The basic plan is to verify our information about the subwatersheds within the town during the summer of 2006 and complete the modeling and design work during the winter of 2006 – 07. The RLWD will be involved with the analyzing the watershed, determining flow contributions, prioritizing watersheds, and prioritizing sites. The total budget for the project is \$38,400. The total budget for the parts of the project that will involve the RLWD is \$15,200. The term of the Grant is July 1, 2005 through June 30, 2007. *See attached copy of the grant application.*

Other Notes

- ❖ Red River Watershed Water Quality Reporting Handbook was completed
 - Documents all methods used for planning monitoring projects, analyzing data, and reporting results, printed copies for distribution, created a webpage for the handbook - <http://www.redlakewatershed.org/WQDataHandbook.html>
- ❖ Ruffy Brook sondes removed from the stream for the winter, wrote prelim. report.
- ❖ Progress report completed for the tile drainage study, final report completed for the Glacial Ridge Project.