

**2018 Final Report with Returned Funds:**

At the beginning of 2018 we had all our BMP funds encumbered for planned projects. Two shoreland restoration projects were completed on Fish Lake. Both restorations involved native planting and one included the installation of a coir log for bank erosion control. Also completed in 2018 was the repair on lined waterway project on a very erosive soil type. This was finished early enough in the year to allow grass establishment, using an NRCS design that accounted for the issues that caused it to erode after the first installation in 2016. The determination on this site is now paying off in a well-established waterway. The land owner has been instrumental in working with his renter on upland management in the field to ensure excessive erosion does not continue.

In 2018 SWCD staff time was spend on project planning and development, coordinating project implementation with land owners and contractors. Administrative time was also spent in organizing expenses, reporting progress, time and expenses. Technical Service Area and NRCS engineering time was spent on designing projects and overseeing project installation.

At the end of 2018, we had \$16,208 in grant funds set aside for two erosion control projects that were unable to line up contractors for completion by the end of the year. Wet fall conditions were partly to blame. These projects will continue; seeking other funding sources for full completion.

Overall from this grant of 4.5 years we spent \$63,832 of our grant funding on BMP installation. Two lined waterway projects were completed with follow-up repairs. A unique shoreland gully stabilization project was completed. There were also five shoreland native restoration projects completed on both Ann and Fish Lakes. The total cost of these projects was \$121,145.41, an average of 53% grant funds spent on projects. The total reduction numbers on the 10 completed projects are as follows:

- Soil Saved 613 Tons/Year
- Phosphorus Reduced 154 lbs./Year