



**Clean Water Act
Section 319 grant
2004-0118**



Antrim Conservation District

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Elk River Tributaries Restoration Grant

February 4, 2005 through December 31st, 2008

The Elk River Chain of Lakes Watershed features 477 square miles of an interconnected system of large, deep, glacially carved lakes, small spring fed lakes, and miles of top quality trout streams. These valued recreation resources contribute immensely to the tourism in the region.

The goals of this grant were to protect and improve the quality of the water resources within the Elk River Tributaries Watershed. The Antrim Conservation District achieved this by presenting educational programs that encouraged behavior-changing life styles, working on the correction of fourteen nonpoint source pollution sites and by providing educational opportunities for county and townships on water quality zoning.

Grant Amount: \$232,891.00

Match Funds: \$98,065.00

Total Amount: \$330,956.00



Partners Involved:

- Antrim County
- Antrim County Road Commission
- Bruce's Excavating
- Echo Township
- Green River Trout Farm
- Grass River Natural Area
- Helena Township
- Kearney Township
- Land-Tech Engineering
- MKJ Excavating
- Norwest Michigan Council of Governments
- Powell Excavating
- Tip of the Mitt Watershed
- Three Lake Association
- The Watershed Center
- Troy Molby Engineering
- Village of Bellaire
- Village of Elk Rapids
- Village of Ellsworth

Best Management Practices:

- Bridge and culvert installation
- Stream bank and shoreline stabilization
- Man-made fish pools inside streams
- Bio-retention rain gardens
- Boardwalk installation
- Riprap
- Gravel walkways
- Riparian buffers along shorelines

Annual Load Reductions:

- 250 tons of sediment
- 215 pounds of chemicals