

Project Statistics

Lead District: Posey
Amount Funded: \$55,000



Project Information:

Project Title: Hydrological
Characterization of Big
Creek Watershed
Project Dates:
1/1/19-12/31/21

Project Overview:

The SWCD and the Drainage Board have obtained a consultant to do a complete geomorphic and hydrologic terrain analysis for the Big Creek Watershed using field measurements of water discharge and multiple geospatial analyses techniques using Indiana LiDAR data and GIS software. These analyses will include calculations and models of bank erosion and sediment loads. The sediment load data will help the Watershed Coordinator identify the subwatersheds that are contributing the largest amounts of pollutants and target the cost-share program in those areas that need it most. The geodatabase will allow the Watershed Coordinator to calculate lateral erosion rates and sediment erosion in areas of concern to identify the most highly erodible areas. These analyses will include calculations and models of bank erosion and sediment loads.

This is the first time the hydrology and sedimentation of Big Creek has been mapped and quantified. It is a unique situation to have the SWCD working directly with the Drainage Board and County Surveyor to target erosion and streambank stabilization projects. By creating this partnership, the SWCD will be decreasing the pollutants and the Drainage Board will be stabilizing their largest Legal Drain.

The CWI funds will be utilized to purchase a Trimble R8-4 base and rover units, along with TSC3 Data collectors.

Program Overview:

The Clean Water Indiana (CWI) Program (IC 14-32-8) was established to provide financial assistance to landowners and conservation groups. Through education, technical assistance, training, and cost sharing programs, the program supports the implementation of conservation practices which will reduce nonpoint sources of water pollution.

Program Administration:

The CWI fund is administered by the Indiana State Department of Agriculture Division of Soil Conservation under the direction of the State Soil Conservation Board (SSCB). The fund is derived from a portion of cigarette tax funds. (IC 6-7-1-29.3) The cigarette tax fund is 4.22 percent of total cigarette tax revenue, and the CWI fund receives one sixth of this amount. The CWI Program is responsible for providing local matching funds as well as grants for sediment and nutrient reduction projects.

For more information about CWI, please visit: in.gov/isda/2379.htm.

For more information about the SSCB, please visit: in.gov/isda/2361.htm.

Email questions or comments to cleanwaterindiana@isda.in.gov.

To find your local SWCD, please visit: in.gov/isda/2370.htm.

