



Town Branch Stream Restoration, Phase II Winchester, KY June - October, 2011

Through history, Town Branch had been altered (both physically and biologically) as a consequence of the developing needs of the community of Winchester, Kentucky. A railroad, industrial and commercial development, agriculture and stormwater runoff from urban and interstate surfaces have all contributed to changes in the creek and it's natural filtration processes. The purpose of this project was to lengthen and restore 5,862 feet of degraded channel in Town Branch. This Clark County tributary to Strodes Creek will



benefit from a natural channel design that will produce over 7,000 feet of meandering stream. In addition, a 200-foot wide floodplain was created along the length of the project to increase flood storage capacity and allow sediment to deposit. Trees, wildflowers and grasses planted throughout the floodplain will create a corridor of Kentucky native species. These plants will help clean Town Branch by filtering out pollutants and absorbing nutrients. In addition to the visible changes on site, the project is creating groundwater aquifers below the surface to work towards removing pollutants and improving water quality by using naturally occurring chemical and biological processes. Numerous wetlands were created in tributaries, in the floodplain and adjoining the stream. The dense variety of habitat and plants will support a rich biodiversity of wildlife and ecological systems.



- Key Features:
- Design/build
 - Water quality wetlands
 - Natural stream channel design
 - Riparian buffer
 - Wetlands construction