

## Moore's Mill Creek Restoration

The Moore's Mill Creek Restoration Project will stabilize stream banks and improve fish habitat on Moore's Mill Creek and several of its tributary streams within the Moore's Mill Golf Club, which will lead to improved water quality within and downstream of the project site. Moore's Mill Creek is on the State's 303(d) list for sediment pollution from its confluence with Chewacla Creek to its source. The 303(d) list summarizes all waterbodies in Alabama that do not fully support their designated uses based on a review of water quality data and information. The reaches of Moore's Mill Creek and its tributaries within the Moore's Mill Golf Club are major contributors of sediment to the system as shown in these photos. Historic manipulation of the stream channels, the lack of riparian buffers, and urbanization effects within the watershed have all lead to instability within the proposed project area. Efforts to fix the erosion problems using traditional channel engineering methods have proven unsuccessful. Stream restoration will reduce sediment loading into Moore's Mill Creek and improve its chances for being removed from the 303(d) list.

## What is Stream Restoration?

Most of the nation's stream and river corridors have been impacted by human activity ranging from agricultural practices to urban development. Stream restoration uses "natural channel design" techniques to restore natural hydrologic and sediment transport functions to a stream while accounting for the current condition of its watershed. This approach can be used to address a range of problems from stabilizing eroding stream banks to constructing new channels that restore a natural dimension, pattern, and profile to the stream system. Each project is designed to address the specific problems of that stream channel and its watershed while working within the constraints of the site.

## Project Funding

The project is being funded in part by the Alabama Department of Environmental Management through a Clean Water Act Section 319(h) nonpoint source grant provided by the U.S. Environmental Protection Agency - Region IV. The Alabama Clean Water Partnership will be administering the grant, which will provide 60% of the overall project cost. The remaining 40% of project cost will be supplied by "in-kind" matching services from local government, non-profit organizations, Auburn University, and Acer Engineering. Cleveland Brothers, Inc. will contribute the majority of "in-kind" services by providing grading equipment and qualified operators for project construction at their own expense.



## Project Contact Information

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