

Watershed Assessment and Stream Surveys Various Locations Throughout Georgia

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Principals of Engineering Management, Inc. have been heavily involved in stream surveys and watershed assessments for a number of years. Many municipalities have engaged EMI to develop a plan for maintaining water quality standards as land uses change due to growth caused by access to sewer service. Services can include fieldwork, sampling and testing, modeling, and other required components to comply with Georgia EPD guidelines. In addition to civil engineers, EMI has on-staff environmental scientists, fisheries biologists, and aquatic entomologists to provide these services. Projects of special note include:

Town of Braselton, Georgia

Comprehensive watershed assessment study as required by Georgia EPD for the upper reaches of the Mulberry River consisting of an area delineated of approximately 12 square miles in Hall, Gwinnett, Barrow and Jackson Counties. EMI conducted all services in connection with the watershed assessment including in-stream sampling, microinvertebrate analysis, biological assessment and stream modeling. Completion of the entire watershed assessment study included coordination and participation in public hearings. Best Management Practices for the watershed were also developed.

Jackson County, Georgia

A comprehensive watershed assessment for the Mulberry River, Middle Oconee River, and North Oconee River Watersheds. Portions of this area are located in the Cities of Jefferson, Maysville and Hoschton, Georgia. Services performed included fieldwork, sampling and testing, modeling, and other required components to comply with Georgia EPD guidelines.

City of Dillard, Georgia

Stream survey for waste load allocation as required by the Georgia EPD. Services included stream sampling and investigation into a reported nickel problem in the Little Tennessee River near Dillard. EMI's comprehensive study proved to EPD that the impairments to the stream were not generated by the City of Dillard and were, perhaps, naturally occurring. This resulted in an increase in the wasteload allocation for the City of Dillard.

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Contacts:

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Clayton-Rabun County, Georgia

Authority jointly with The City of Dillard, Georgia

A comprehensive watershed assessment for the Little Tennessee River, Chattooga River, and Tallulah River Watersheds. Services included both dry and wet weather chemical and bacteriological sampling, and biological and habitat assessments.

Barrow County, Georgia

EMI was retained to undertake a County wide watershed assessment for all of the unincorporated areas, as well as the Cities of Bethlehem, Auburn and Carl. The project included a plan of study, a complete watershed assessment and a long term watershed protection and monitoring plan. The assessment included water quality and habitat assessment for an area encompassing over 130 square miles and included portions of the Mulberry and Oconee River basins. Auxiliary assignments included preparing a consolidation plan for watershed monitoring for Barrow County and the City of Statham, resulting in a reduction in the cost of sampling and reporting.

City of Blairsville, Georgia

As a result of the City of Blairsville's expansion of their wastewater treatment facility, EPD required a watershed assessment and watershed monitoring plan be completed. The project covered a study area of approximately 42 square miles of the Blairsville Sewer Service area which is in the Nottley River watershed. EMI conducted all services required including in-stream water quality sampling, microinvertebrate and biological assessment. EMI also assisted the City of Blairsville with public meetings and coordination with Union County.