



US Army Corps of Engineers

Institute for Water Resources

BUILDING STRONG®

WIDT - Watershed Investment Decision Tool (2010)

Status: **Project Manager:**

In Progress [Paul Wagner](#)

Purpose: An interdisciplinary team of personnel from the Corps Cold Regions Research and Engineering Laboratory (CRREL), Construction and Engineering Research Laboratory (CERL), and Institute for Water Resources (IWR) is building on the Army's existing Sustainable Installations Regional Resource Assessment (SIRRA) tool to develop a GIS-based decision aid that aims to: facilitate effective communication of important information; enhance transparency in decision-making; allow tracking of program performance; and enhance workforce and workload planning capabilities. The ability of the United States to effectively secure, rehabilitate and sustainably manage its natural and constructed resources is critical. To do this requires the ability to analyze large quantities of many different types of information, to effectively resolve and communicate findings to and among diverse groups of individuals, and to identify and take appropriate actions in the absence of complete and perfect data. There is therefore a pressing need for utilities to help us understand and communicate the magnitude and nature of challenges facing our natural and constructed strategic resources, their relationships to one another, and their relative significance to the Nation's overall well-being.

Objective: The project objective is to produce the next generation computer-aided Watershed Investment Decision Tool (WIDT) that can transform data into actionable information for decision makers, and which represents an integration and advancement of existing enterprise geospatial tools to support more effective decision making.

Benefits: Benefits will include improved decision making, decision support and situational awareness; effective communication of important information; increased transparency in decision-making; more accurate tracking of program performance; and enhanced workforce and workload planning capabilities.

Progress: An interim WIDT has been developed and functions as specified in original design criteria.

Briefings have been held with IWR management and HQ, and additional briefings are being scheduled.

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