



US Army Corps of Engineers

Institute for Water Resources

BUILDING STRONG®

Budget/Mtg Support for O&M Business Lines (2010)

Status: **Project Manager:**

In Progress [Paul Wagner](#)

Purpose: An interdisciplinary team 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 will communicate important information; enhance transparency of decision-making efforts; allow tracking of program performance; and improve workforce and workload planning capabilities. Data collection and preparation activities associated with the watershed decision tool will include compiling data relevant to Corps business line activities, data geoprocessing, and preliminary presentation of integrated data. Tasks include preparation of the data sets and GIS tools so that performance indicators can be generated; more than 55 data layers that will be cataloged using 8 unit HUCs. The completed project will provide a needed decision support tool applicable to Corps business lines at multiple levels (Headquarters to Districts).

Objective: 1) Provide direct funding to universities for the collection, acquisition, and development of specific geospatial data layers required to enhance the operability of the Watershed Tool.

2) Provide funding for at least one full time contractor for purposes of geoprocessing acquired data and maintaining associated metadata.

3) Provide support for one part time geospatial analyst student hire for IWR inhouse support to develop maps, presentations, and displays for briefings to senior staff at Headquarters and OASA(CW) and to satisfy other ad hoc GIS technical needs. This student hire would be used to supplement the fulltime contractor for geoprocessing of data.

4) Provide direct funding for contractor support from ERDC to augment data acquisition of Corps-relevant data that is presently unavailable.

Benefits: These products and services will enable the WIDT team to produce a fully functional, useful, and defensible analytical tool to support HQ, Divisions, and Districts.

Progress: The overall project is on schedule and we are meeting with HQ. The collaborations being undertaken using ARRA money will be in place shortly (written on 10/06/2009).
MIPR to ARO for logic models/decision support was accepted in late 2009 and MIPR for hydrology was to be submitted in December 2009.

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