

Plan Overview

A Data Management Plan created using DMPTool

Title: Watershed Data Management Plan

Creator: Elijah Johnson

Affiliation: Florida Agricultural and Mechanical University (famu.edu)

Principal Investigator: Elijah Johnson

Data Manager: Elijah Johnson

Funder: National Science Foundation (nsf.gov)

Funding opportunity number: 13421

Template: NSF-EAR: Earth Sciences

Last modified: 01-13-2015

Copyright information:

The above plan creator(s) have agreed that others may use as much of the text of this plan as they would like in their own plans, and customize it as necessary. You do not need to credit the creator(s) as the source of the language used, but using any of the plan's text does not imply that the creator(s) endorse, or have any relationship to, your project or proposal

Watershed Data Management Plan

The data to be collected will be water flux from terrestrial regions to streams and rivers. This flux will be collected monthly at three sites for two years. There will be seventy two data points. The second type of data will be Input Files for for the computer program Hydrological Simulation Program-Fortran (HSPF). The third type of data will be water flux and uncertainties in water flux that are generated using the computer Parameter Estimation (PEST). The third type of data will consist of the flux value ever hour for a period of two years at three different sites.

The GPS coordinates of the sampling sites will be reported along with the sampling periods. The description of the input file data and the flux data are described in documentation for the computer program HSPF. The manner in which uncertainties are associated with the flux data will be explained using the documentation for the computer program PEST.

The three types of data will be published in peer-reviewed journals. The field data will also be submitted to the United States Environmental Protection Agency WQX data system. The second type of data will be offered to the HSPF database named HSPFParam.

The results of the work will be published during or at the end of the funding period. The data will thus be available from journals or from the US EPA WQX Data System or the HSPF HSPFParam database. The data generated is expected to be useful to anyone doing watershed modeling work.

Both peer-reviewed journals and the USEPA WQX system are expected to store the data for a long period of time.
