Watershed Data Management Plan

A Data Management Plan created using DMPTool

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Types of data

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.

Data and metadata standards

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.

Policies for access and sharing

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.

Policies and provisions for re-use, re-distribution

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.

Plans for archiving and preservation of access

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