

Analysis Tools for Wasp

WASP AT tools have been designed to simplify water quality modeling using Water Quality Analysis and Simulation Program (WASP). Two windows based software packages have been designed for this purpose.

Graphical Data Processor (GDP)

- Saves time and labor in preparing data for analysis.
- Produces graphs of data values or data availability.



WASP Builder

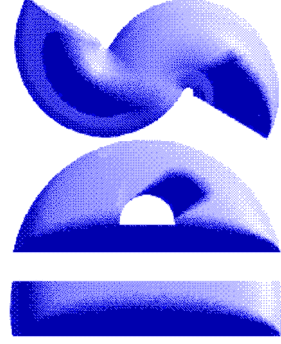
- Builds input files for EPA's Wasp5 model.
- Illustrates river reach segments and exchanges between layers which are linked to parameter groups.
- Connects the parameter groups to the graphical displays of nodes and segments.
- Simplifies the creation and modification of WASP parameter groups.

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WASP AT

Analysis Tools for WASP



Developed by the Integrated Decision Support Group at Colorado State University for the United States Bureau of Reclamation and the Environmental Protection Agency.

WASP AT

WASP Analysis Tools (AT) are interactive Windows 95/98/NT computer programs for preparing and analyzing Water Quality Analysis Simulation Program Version 5.0 (WASP5) input/output files.

There are two components that have been created, Graphical Data Processor (GDP) and Wasp Builder.

GDP

GDP imports data from STORET, WATSTORE, and spreadsheets. Data from different sources can be combined to create one data input file and to interpolate for new time periods.

GDP can make unit conversions such as Fahrenheit to Celsius which saves time and labor in preparing data for analysis. GDP can also produce graphs of data values for analysis. This data can then be exported to Wasp Builder and used to create input files for WASP 5.

Wasp Builder

Wasp Builder is a tool for building input files for EPA's WASP 5 water quality modeling program which supports, eutrophication, toxicity, and metal contaminant transport modeling.

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