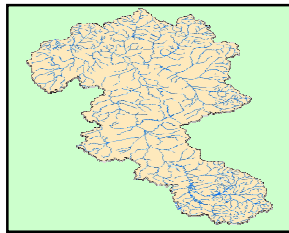


A National Geospatial Surfacewater Framework

(<http://www.epa.gov/waters>)

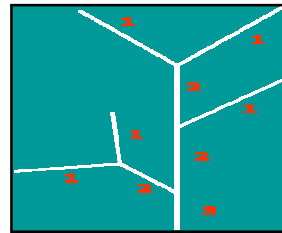
NHDPlus is a suite of application-ready geospatial products that build upon and extend the capabilities of the National Hydrography Dataset (NHD) by integrating it with the National Elevation Dataset and National Watershed Boundary Dataset. NHDPlus provides:

Enhanced NHD Network & Names



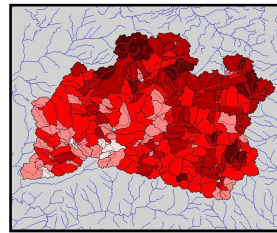
Updated network relationships enable robust up/downstream navigation. Additional hydrographic feature names enable improved map labeling, query-by-name, and linking of water quality data.

Value-Added Attributes



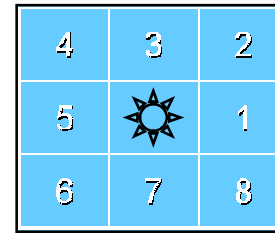
Fourteen different Value-Added Attributes, including stream order, are derived from the underlying NHD and enable advanced query, analysis and display functionality.

Catchments With Attributes



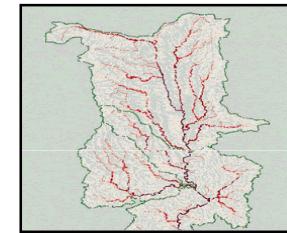
Incremental and cumulative drainage areas for each stream segment in the NHD network enable analysis of associated landscape characteristics, including temperature, precipitation and land cover.

Flow Direction & Accumulation Grids



Flow direction and accumulation grids associate the land surface (topography) with the NHD network enabling landscape analysis and characterization.

Flow Volume and Velocity Estimates



Mean annual stream flow volume and velocity for each stream segment in the NHD network enable time-of-travel and pollutant dilution modeling.

The National Hydrography Dataset

is a comprehensive set of digital geospatial data that contains information about surface water features such as streams, rivers and lakes. The NHD provides:

A rich set of hydrographic features for making maps.

A stream addressing system for linking water quality data to the NHD network.

A drainage network for supporting up/downstream query, analysis and modeling.