

National Hydrography Dataset (NHD) Development for West Virginia Phases I and II, West Virginia Department of Environmental Protection

Project Executive Summary

The National Hydrography Dataset (NHD) is a comprehensive digital spatial dataset that maps and describes the nation's surface water features, including streams, rivers, lakes, swamps, and constructed waterways. In cooperation with the West Virginia Department of Environmental Protection (WVDEP), the Natural Resource Analysis Center (NRAC) at West Virginia University has completed development of several high resolution NHD datasets for West Virginia. NHD datasets are completed at the sub-basin (major river drainage) level. All 33 sub-basins within West Virginia now have completed high resolution NHD datasets as a result of projects sponsored by USGS, the USDA Forest Service, and the WVDEP.

The format of the NHD is designed to encourage cooperation and exchange of data between users at the federal, state, and local levels. NHD data support a variety of applications, including map making, referencing existing datasets to locations within the NHD data, modeling water flow, and general hydrologic data maintenance.

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