

3D Hydrography Program (3DHP) Layers

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Summary

USGS 3D National Hydrographic Program

The USGS 3D Hydrography Program (3DHP) ArcGIS REST service (3DHP_all) from The National Map is the first of several data services that will be delivered by the 3D Hydrography Program. The 3DHP_all comprises a national network of flowlines, hydrolocations, and water bodies, and will include catchments, drainage areas, and flow network derivatives as they are populated in the future. The 3DHP_all service will provide access to a 3D-enabled geospatial hydrography vector dataset built from 3DHP data and intended to provide the most comprehensive but general rendering of 3DHP data. 3DHP data is derived from elevation-derived hydrography (EDH) Elevation-Derived Hydrography Specifications | U.S. Geological Survey (usgs.gov) where available. Where EDH has not been collected, 3DHP data will be supplemented by data from the National Hydrography Dataset (NHD) National Hydrography Dataset | U.S. Geological Survey (usgs.gov). As further EDH data is collected, the EDH data will replace the NHD data in that data collection area. 3DHP data ingested from EDH sources will include catchments, drainage areas derived from catchments, and flowline network attribute derivatives.

For additional information on the 3DHP, go to https://www.usgs.gov/3dhp.

See https://apps.nationalmap.gov/help/ for assistance with The National Map viewer, download client, services, or metadata.

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Layers 7

HydroLocation - Sink, Spring, Waterbody Outlet

HydroLocation - Headwater, Terminus, Divergence, Confluence, Catchment Outlet

HydroLocation - Reach Code, External Connection

Flowline

Waterbody

DrainageArea

Catchment

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Details

Map
Feature Service

April 8, 2025 at 3:54:41 PM EDT
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Published Date

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Relevant Area

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Tags

a-16 NGDA water – inland hydrography surface-water 3DHP EDH water drainage river stream canal ditch lake pond spring waterbody water body hydrolocation hydrolocations 3DTNM 3DEP elevation derived hydrography elev-hydro region subregion basin catchment drainage area watershed United States US NGP-TNM REST WMS HIFLD Feature Service SDI NSDI Open Data FGDC Emergency Preparedness Disaster Planning Infrastructure

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