

3DHP FTN Monthly Forum:

Question and Answers

3D Hydrography Program - Status, Plans, and Data Demo

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Participant Questions:

Is the geoconnex website/info new for 3DHP or is it a pre-existing resource?

It's an existing resource managed by the Internet of Water. See the August 2023 3DHP FTN Info Forum [Internet of Water presentation](#) for more information about Geoconnex – link is to NSGIC Knowledge Base, login required to access the materials.

Is the mainstemID always a URL vs a value you can use to link other data?

The number at the end of the URL is unique, so it can be harvested with a small effort. There are also other 'more traditional' tabular network navigation attributes in the core data model, including a mainstem table, that will be populated in the database and exposed in services and other data delivery vectors.

To clarify, the mainstemID is really about connecting the headwaters to the outflow. Each path is numbered to associate with the mainstem so that a series of vectors can be added per mainstem, building out a network off of the mainstem.

Is the initial 3DHP_all service 2D or 3D? Did this initial 3DHP data come from legacy NHDPlus HR or legacy NHD?

The service is 3D for data that is EDH-sourced and 2D for NHD-sourced. The NHD-source is the legacy NHD.

Is the new AK 3DHP (19050401) data in 2D or 3D?

The new AK 3DHP data (19050401) is EDH, so it is 3D vectors.

Are the EDH and NHD sourced data in the same [or different] service?

They are in the same service. We will update the symbology so EDH-sourced vs NHD-sourced is visually indicated in addition to attributed.

What is the plan for the replacement of GeoConflation?

GeoConflation will be replaced by an in-house 3DHP conflation process.

Did I hear correctly that FY 24 funding for 3DHP is \$1.5 million to be distributed among all DCA awards?

\$1.5 million is in President's budget for USGS 3DHP. The final FY24 budget has not been finalized. There may be funding contributions from other federal agencies as well. Given that we are under continuing resolution, we cannot exceed the FY23 budget so the full FY24 amount is not currently available to fund projects.

Have you had much success in enlisting *new* federal agencies as 3DHP partners?

We're working with USACE though their applications differ somewhat. EPA is involved but they have a longer reporting schedule. As in the past, USFS and NRCS are active participants.

How are you going to determine the status of the NHD data that was ported into 3dhp as to how close, or far, it is to meeting requirements for 3dhp?

We're still evaluating how this data might be included. NHD doesn't generally have Z values. We're considering the value and costs of trying to improve and incorporate data that is better than basic NHD but does not meet the EDH specification, and probably cannot be upgraded sufficiently to meet the spec.

For more information about the 3DHP and EDH standards

- <https://www.usgs.gov/3d-hydrography-program>
- https://www.usgs.gov/ngp-standards-and-specifications/hydrography-standards-and-specifications?qt-science_support_page_related_con=4#qt-science_support_page_related_con
- <https://www.usgs.gov/ngp-standards-and-specifications/elevation-derived-hydrography-specifications>
- <https://www.usgs.gov/ngp-standards-and-specifications/elevation-derived-hydrography-specifications>