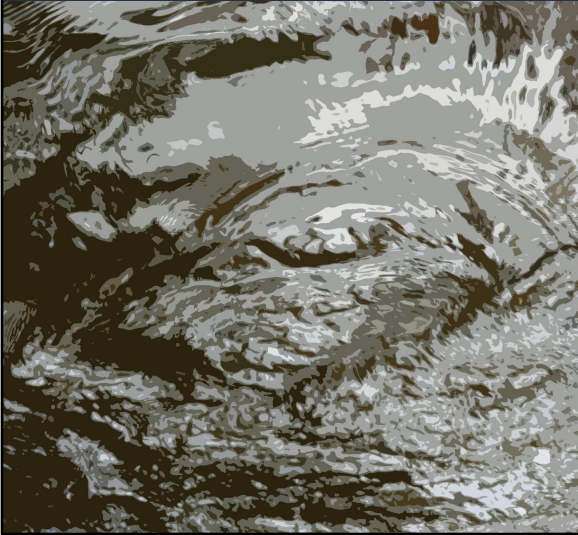


NSGIC EDH for 3DNHD

Elevation-Derived Hydrography for the 3D National Hydrography Dataset



Project Introduction Webinar

January 26, 2021

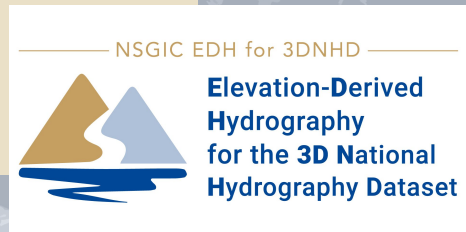


NSGIC EDH for 3DNHD

Welcome

Elevation-Derived Hydrography for the 3D National Hydrography Dataset

A NSGIC/USGS cooperative agreement intended to engage state and local governments, and their private sector partners, in the derivation of high resolution hydrographic data from 3DEP lidar (IfSAR in Alaska) data.

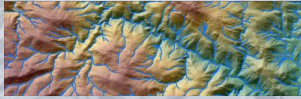


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- Thank you for joining us today as we introduce the NSGIC Elevation-Derived Hydrography for the 3D National Hydrography Dataset project
- Please place questions into the chat box, we'll review them during the Q&A at the end of the presentations
- Please note that this presentation is being recorded
- EDH for 3DNHD is a cooperative agreement between NSGIC and USGS
 - the intent is to engage state and local governments and their private sector partners
 - to explore options for deriving high resolution hydrographic data using 3DEP data - lidar for most of us but IfSAR in Alaska

NSGIC EDH for 3DNHD

Elevation-Derived Hydrography for the 3D National Hydrography Dataset



Project Description

Year One: September 2020-21 (4 option years)

Objectives:

- document state interests and motivations for developing high resolution hydrography
- identify existing state/regional efforts to derive hydrography from 3DEP data
- assess critical factors affecting the success of state/regional efforts - what worked, what didn't
- identify information and other resources needed to effectively support locally-derived EDH.

Expected Outcomes:

- establish a community of state hydrography subject matter experts capable of producing locally-based elevation-derived hydrography data
- develop a collaborative model for the derivation of hydrography data by state-based programs.

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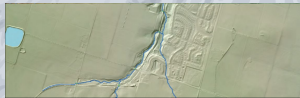
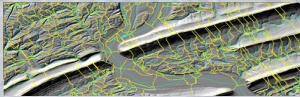
A brief description of the project logistics:

- It is a one year project with 4 option years - the option years are dependent on project success and available funds
- Project Objectives
 - gain a better understanding of state interests and motivations for developing high resolution hydrography, why would you, or did you, pursue EDH - what data or issues motivated the effort
 - identify and document existing state/regional EDH activities, to build a database of state EDH who, what, why, and where
 - assess critical factors affecting the success of state/regional efforts, what worked, what didn't this might include the data sources, methodology,

- project participants, EDH integration into existing NHD, lessons learned
- identify information and other resources needed to effectively support locally-derived EDH, gain a better understanding of what resources proved valuable and what resources are needed this might include general information, data, processing tools, guidance documents, etc. This information will drive the second project year activities
- Expected Outcomes
 - establish a community of state EDH subject matter experts enhance the knowledgebase of state hydrography NHD and WBD stewards
 - develop a state/federal model for the collaborative development of hydrography by state-based programs possibly similar to the existing 3DEP BAA program - dependent on federal budgets and appropriations

NSGIC EDH for 3DNHD

Elevation-Derived Hydrography for the 3D National Hydrography Dataset



Project Leadership

NSGIC Administration

- **Molly Schar**, NSGIC Executive Director
- **Jamie Chesser**, NSGIC Director of Programs

NSGIC Project Management

- **Lynda Wayne**, Project Manager
- **Phil Worrall**, Project Engineer and Subject Matter Expert

USGS Project Management

- **Becci Anderson**, Project Manager
USGS National Hydrography Datasets Management and Planning Lead
- **Drew Decker**, Project Coordinator
USGS Acting National Watershed Boundary Dataset Lead, National Map Liaison
- **Susan Buto**, Subject Matter Expert
USGS Hydrography Data Acquisition Lead and Elevation Data Acquisition Lead
- **Stephen Aichele**, Subject Matter Expert
USGS User Engagement Hydrography Focus Area Coordinator
- **Joel Skalet**, Subject Matter Expert
USGS Partner Support Section Chief (Acting)
- **Drew Lane**, Subject Matter Expert
USGS Partner Support Section Chief

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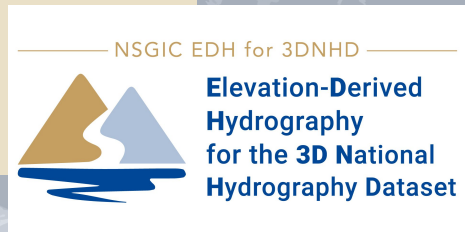
NSGIC EDH for 3DNHD

USGS

3D National Hydrography Dataset Vision and Activities

Sue Buto

USGS Hydrography Data Acquisition Lead
and
Elevation Data Acquisition Lead



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- Sue Buto is going to give us a short overview of the USGS 3D National Dataset vision and activities
- Sue has been the USGS lead on our 3DEP cooperative agreement project and will be participating in this project as well

NSGIC EDH for 3DNHD

Elevation-Derived Hydrography for the 3D National Hydrography Dataset

Project Approach

To utilize the NSGIC network of state geospatial coordinators to engage local, regional, federal, non-profit, and private sector stakeholders in activities intended to explore:

- the derivation and use of EDH data and
- options for developing locally-derived data that effectively compiles with national hydrography data resources.



Facilitate monthly information webinars to inform NSGIC members about EDH practices, standards, and experiences



Establish NSGIC EDH communities and online workspace



Inventory state and regional EDH experiences



Derive EDH critical factors from state/regional experiences



Identify potential resources to address critical factors



Establish and manage a NSGIC EDH information hub

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Like 3DEP, the cooperative agreement will build upon the NSGIC expertise and network of state GIS coordinators


Primary objectives are to explore:

- the derivation and use of EDH data
- options for developing locally-derived data that effectively compile with national hydrography data resources

NSGIC EDH for 3DNHD

Elevation-Derived Hydrography for the 3D National Hydrography Dataset

Project Engagement Opportunities

Participate in monthly EDH for 3DNHD webinars	 Facilitate monthly information webinars to inform NSGIC members about EDH practices, standards, and experiences (Jan-Jun 2020)
Participate in My.NSGIC EDH for 3DNHD Interest Group	 Establish NSGIC EDH communities and online workspace
	 Inventory state and regional EDH experiences
Participate in My.NSGIC EDH for 3DNHD Working Group	 Derive EDH critical factors from state/regional experiences
	 Identify potential resources to address critical factors
	 Establish and manage a NSGIC EDH information hub

So - how can you participate in the project.

- 1) Learn more - participate in our monthly webinars, tentatively scheduled for the 3rd Wednesday of each month through June
- 2) Stay informed about project activities - participate in the My.NSGIC EDH for 3DNHD Interest Group
- 3) Engage with project activities - participate in the My.NSGIC EDH for 3DNHD Working Group

NSGIC EDH for 3DNHD

Elevation-Derived Hydrography for the 3D National Hydrography Dataset

Join EDH for 3DNHD Communities at My.NSGIC



Login to the NSGIC Website

Non-members should follow the "Don't have a NSGIC membership? More here" then "New User" instructions

Go to My.NSGIC

Select 'My.NSGIC' from the far right end of the banner

Browse the My.NSGIC Communities

Select "Communities" "All Communities" from the banner drop down box


Select the EDH Community of Interest

Join the EDH for 3DNHD Interest Group or Working Group. Working Group members should join both communities.

- Login to the NSGIC.org website
Non-member should scroll to the bottom of the member login page and select
 - 'more information about joining here'
 - 'Join now'
 - 'New User' - provide your email
- Go to My.NSGIC
- Browse Communities
- Select EDH Interest Group, Working Group, or both
EDH Working Group members should register with both groups



With that, we are ready to take your questions from the chat



Lynda Wayne, Project Manager
Lynda.Wayne@nsgic.org
Phil Worrall, Project Engineer
Phil.Worrall@nsgic.org

NSGIC EDH for 3DNHD Webinar Series
third Wednesday of the month, 3-4 PM (E)

Next Webinar:
Wednesday, February 17, 2021
*State EDH Activities:
Michigan and Mississippi*

- If you have additional questions you can contact me or Phil
- Reminder that the series will continue on the third Wed of the month
- Next webinar will be Wednesday, February 17, 2021, 3-4 PM and we will be talking with the states of Michigan and Mississippi about their EDH activities and experiences
- Contact me directly if you are interested in presenting during the webinar series or have a topic you would like addressed
- Thank you for your time today and we look forward to seeing you next month