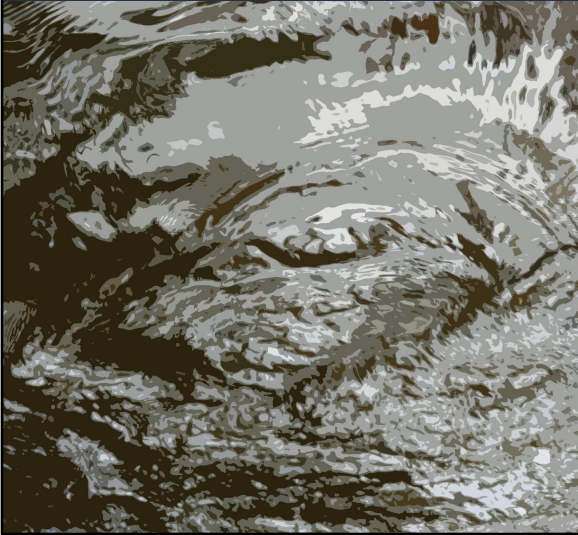


# NSGIC EDH for 3DNHD

Elevation-Derived Hydrography for the 3D National Hydrography Dataset



Monthly Forum  
February 17, 2021

EDH Activities in  
Michigan

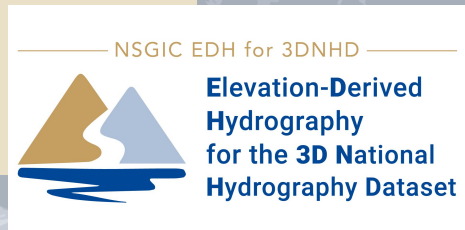


# NSGIC EDH for 3DNHD Monthly Forum

## 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 (lfsAR in Alaska) data.



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- Thank you for joining us for this months EDH for 3DNHD Forum
- 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 lfsAR in Alaska

# NSGIC EDH for 3DNHD Monthly Forum

## Project Update

### EDH for 3DNHD Monthly Forum

- Project introduction webinar recording and Q&A doc available at NSGIC Learning Link - search 'EDH'
- Contact us with topics for discussion and interest in presenting

### EDH Communities at My.NSGIC.org

- EDH for 3DNHD Interest Group - general EDH information and project updates
- EDH for 3DNHD Working Group - engage in project tasks

### Inventory state/regional EDH experiences

- Inventory in final review
- Invitation will be announced, please forward to non-member affiliates

### Establish and manage EDH for 3DNHD info hub

- in development



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 Monthly Forum

February 17, 2021

EDH Activities in the State of Michigan

**Mark Holmes, GISP**

Geospatial Services Manager, MI Department of Technology, Management, and Budget  
NSGIC Michigan State Representative

**Nick Weil, GISP**

GIS and Remote Sensing Analyst, Aerial Imagery Archive Manager  
Michigan State University Department of Geography, Environment, and Spatial Sciences,

NSGIC EDH for 3DNHD

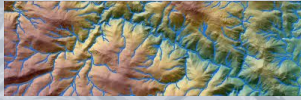


**Elevation-Derived  
Hydrography  
for the 3D National  
Hydrography Dataset**



# NSGIC EDH for 3DNHD

## Elevation-Derived Hydrography for the 3D National Hydrography Dataset



### Questions

- Was the data conflated to the NHD?
- If you repeated the project, what would you do differently?
- What surprised you?
- What resources, other than the data (e.g. tool, document, online resource, etc.) did you find of most value to the process?
- What resource(s) would you recommend for development to assist the derivation of hydro?

5

### Questions:

- Was the data conflated to the NHD?
- If you repeated the project, what would you do differently?
- What surprised you?
- What resources, other than the data (e.g. tool, document, online resource, etc.) did you find of most value to the process?
- What resource(s) would you recommend for development to assist the derivation of hydro?



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



Lynda Wayne, Project Manager  
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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, March 17, 2021  
*USGS EDH Specification*

- 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