# Hydrography data management — Implications of recent USGS decisions

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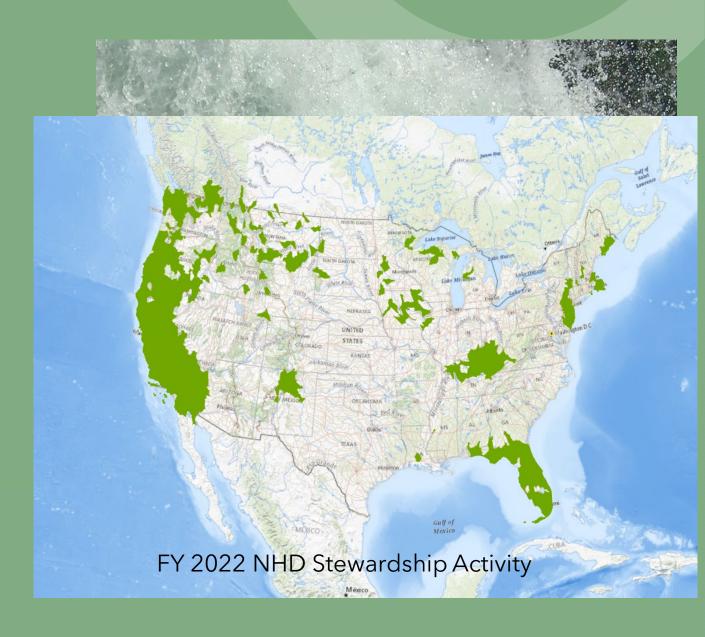
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NWFP - SMG - October 19<sup>th</sup> 2022



### Issue

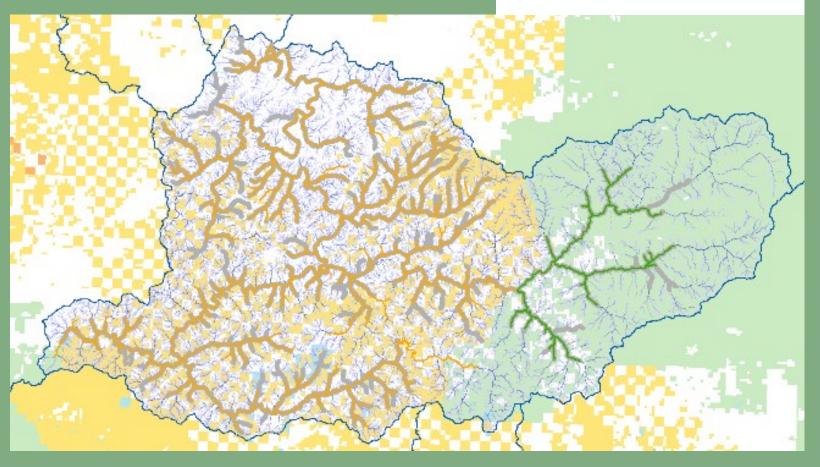
- Unexpected announcement in August 2022
- USGS to discontinue stewardship program for
  - National Hydrography Dataset (NHD) in Dec 2022
  - Watershed Boundary Dataset (WBD) in June 2023
- NHD/WBD to become static, legacy datasets.
- Major impact to PNW since we are actively improving the data and use it to support so many mission-critical activities.
- So far, multiple interagency dialogues with USGS have not altered the decision.



## Data integration and interagency exchange

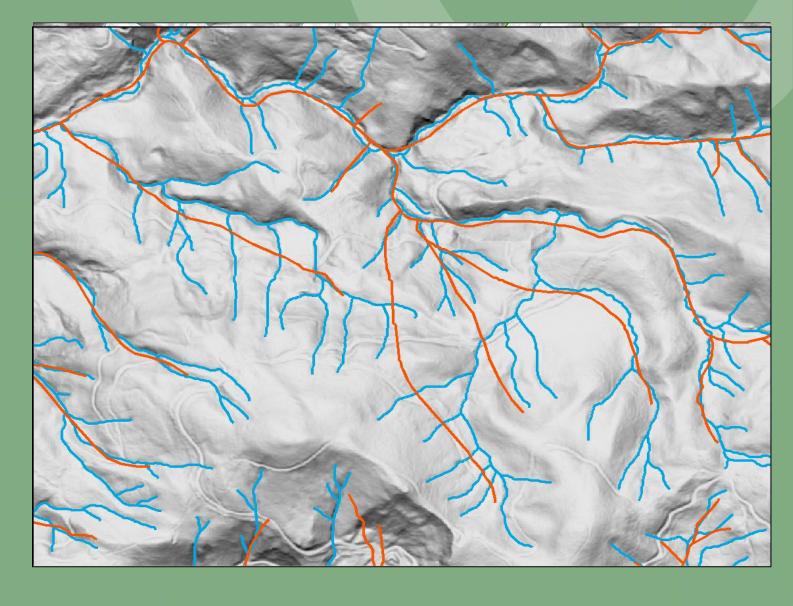
NHD route system

- Shared geometry and route system
- Key to interagency data integration
- Ex. Fish habitat and distribution

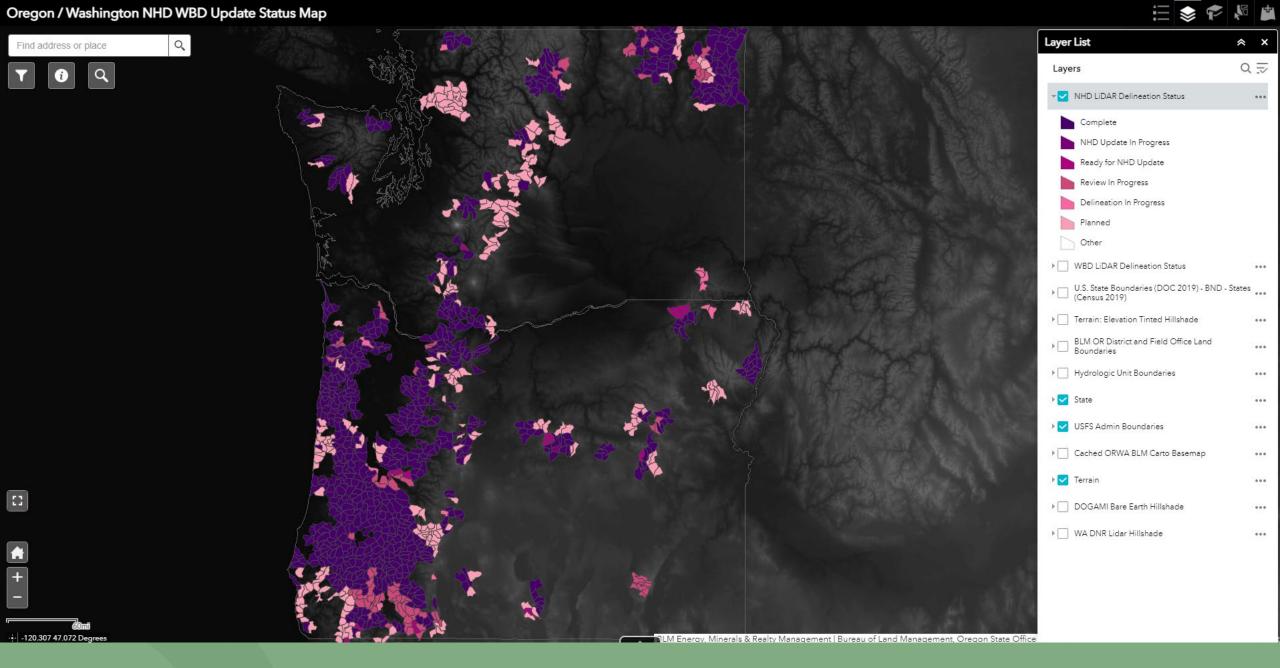


# Active Investment in NHD/WBD Data Quality

- Active improvement from field work and lidar-based DEMs
- Recent heavy investment in lidarbased hydrography, re-delineating whole watersheds



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#### **USGS** Decision

- Cease support of NHD/WBD stewardship programs.
- Develop "3DHP", a new data model and dataset to replace NHD/WBD.
  - 100% based on elevation-derived hydrography (EDH) from LiDAR

#### **USGS** Rationale

Insufficient resources to support both systems.

### Coordination thus Far

- PNWHF agencies have been meeting with USGS National 3DHP Program Managers.
  - business needs
  - implications of USGS decision
  - potential solutions



· National USFS/USGS discussions have recently begun.

# Options for <u>Senior Managers</u>

- 1. Request that USGS-Geospatial support NHD/WBD while
  - building 3DHP
  - National or PNW only
- Request USGS-Geospatial
  - extend NHD/WBD support until at least March 2024
  - build a hybrid 3DHP/NHD system that meets our needs
- 3. Support separate interagency data system
  - simpler than NHD/WBD
  - PNW only or National



Regional/State Offices or Unit level

