

USGS National Hydrography Dataset Newsletter

Vol. 18, No. 10, October 2019

[NHD Training – November 2019](#)

[NHD, WBD, and NHDPlus HR Status Updates](#)

[NHDPlus High Resolution Beta Production Status](#)

[NHD and NHDPlus HR VisibilityFilter Cartographic Generalization Status](#)

[WBD 4-digit Improvement Status](#)

[Photo of the Month](#)

[Hydrography Quiz](#)

[This Month's Quiz](#)

[Upcoming USGS Hydrography Calls, Trainings, and Meetings](#)

NHD Training – November and December 2019

Contact Joel Skalet (jjskalet@usgs.gov) or Bill Smith (wjsmith@usgs.gov)

Please check the Events Calendar on the Hydrography Data Community (HDC) site or see the **Upcoming USGS Hydrography Calls, Trainings, and Meetings** section below for upcoming training dates. There will be no NHD training held in December due to the holidays. Principal Stewards should be contacted for approval prior to submitting a request for training. The current training being conducted is using ArcGIS 10.5.1.

NHD Basics is a prerequisite class that all attendees are required to complete prior to moving to NHD Update Tool Training sessions. NHD Basic Training runs for approximately two and a half hours. This session covers: Basic NHD Background – History of the NHD, NHD Stewardship, resolutions of the NHD, the NHD Model, important concepts in the NHD including: permanent Identifiers, reach codes, flow network, important NHD websites, supporting software, NHD User Guide, NHD National Hydrography Dataset User Account, NHD myUSGS Hydrographic Data Community, and checking out data for editing.

NHD Update Tool Training Part 1 runs for five hours (including breaks). Part 1 will be a review of the entire editing process and a complete discussion of the NHD Update Toolbar, including loading data, initial QC, resolving 'Invalid Geometry', and using the tool to add geometry, modify geometry and attributes, and delete geometry.

NHD Update Tool Training Part 2 runs for five hours (including breaks). Part 2 (follow up to Part 1) will be a review of the Quality Control (QC) process including reviewer table, a review of Initial QC, Severity 1 versus Severity 3 errors, discussion of the errors one might see in the NHD and how to resolve those errors. We will then discuss Final QC and uploading your edits to the NHD National Geodatabase.

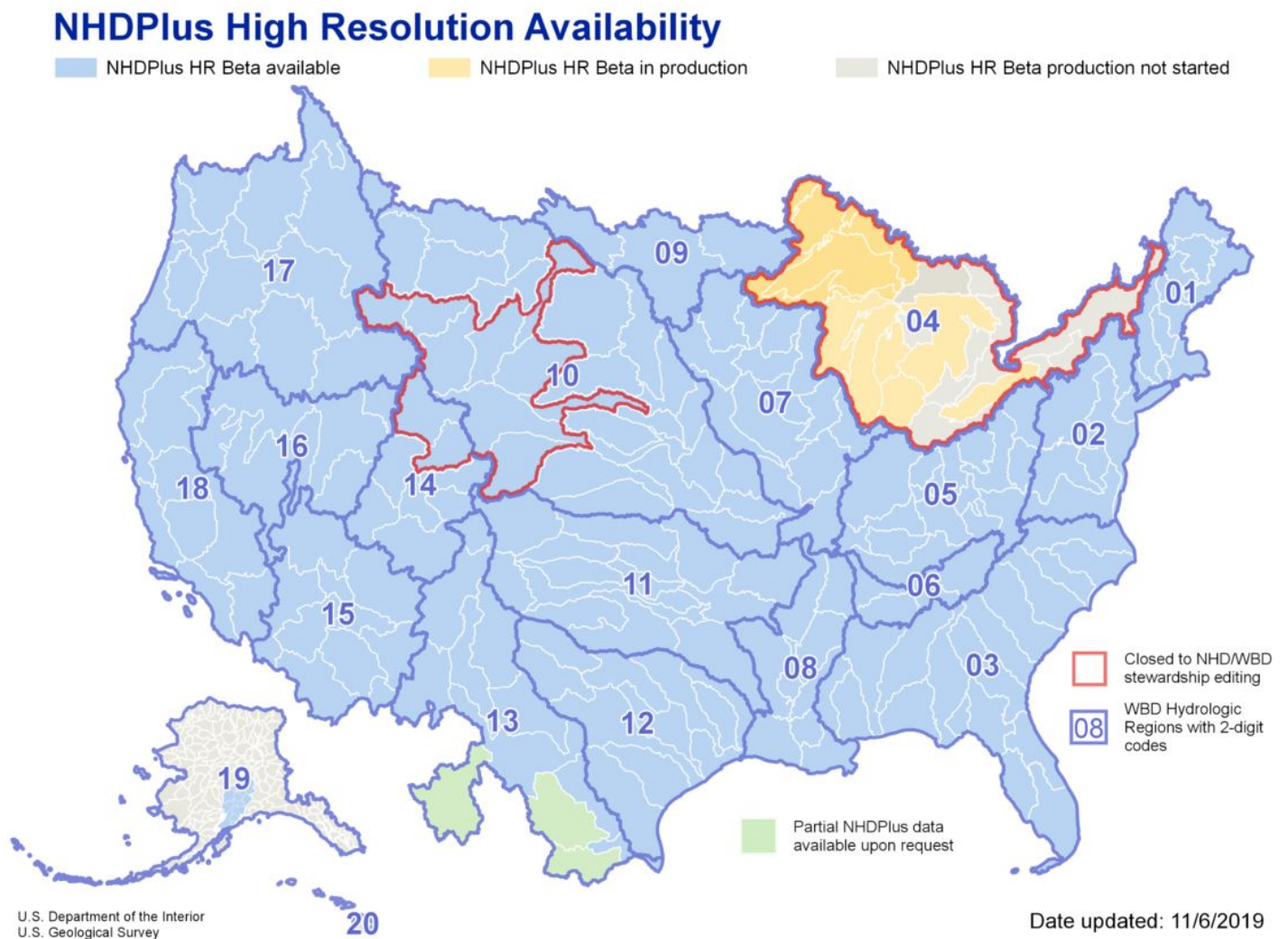
For more information about this training please contact, Joel Skalet (jjskalet@usgs.gov, 608-238-9333 x152), or Bill Smith (wjsmith@usgs.gov, 573-308-3593).

NHD, WBD, and NHDPlus HR Status Updates

NHDPlus High Resolution Beta Production Status

Contact: Karen Adkins (kadkins@usgs.gov), Hayley Thompson (hnthompson@usgs.gov)

The map below provides an overview of NHDPlus HR availability. This status map is updated frequently on the [NHDPlus HR webpage](#).



- Red outline - These areas are currently closed to NHD and WBD editing. Please contact the [NHD/WBD Point of Contact](#) in your area for more information.

- Blue areas - NHDPlus HR Beta is currently available and Beta QC is either in process or completed for these areas. Please see the [NHDPlus HR Beta QC](#) section of the [NHDPlus HR webpage](#).
- Yellow areas - The NHDPlus HR Beta is in production and the USGS is currently seeking volunteers for the upcoming Beta QC for these areas. Please see the [NHDPlus HR Beta QC](#) section of the [NHDPlus HR webpage](#) for more information. Please contact the National NHD Point of Contact (Joel Skalet, nhd@usgs.gov) or National WBD Point of Contact (Lily Niknami, lniknami@usgs.gov) for more information on the status of NHD and WBD editing in these areas.
- Gray areas - NHDPlus HR Beta will be produced at a later date. These areas are currently open for NHD and WBD editing.
- Green areas - The NHDPlus HR Beta was produced using contributing areas in Mexico to improve the NHDPlus HR Beta along the Rio Grande River. Minimal hydrography was included in the Beta build but will be improved when the areas are refreshed. The NHDPlus HR Beta production data with minimal hydrography content is available upon request.

NHD and NHDPlus HR VisibilityFilter Cartographic Generalization Status

Contact: *Travis Landauer* (tlandauer@USGS.gov)

The Visibility Filter attribute has been populated for 100% of CONUS! No additional work planned in FY20. Future work will include Regions 19, 20 and 21.

WBD 4-digit Improvement Status

Contact: *Kimberly Jones* (kjones@usgs.gov), *Lily Niknami* (lniknami@usgs.gov)

WBD 4-digit Improvement - Work Completed

- Regions - 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18 and 20
- Mexico contributing 4-digit hydrologic units in Region 13
- Region 19 - 19020202, 19020301, 19020302, 19020401, 19020402, 19020501, 19020502, 19020503, 19020504, 19020505, 19020601, and 19020602, 19020800

WBD 4-digit Improvement - Currently In Work

- Region 19 - 19020101, 19020102, 19020103, 19020104

WBD 4-digit Improvement - Future Work

- Regions - 19, 21 and 22

Photo of the Month



This photo is of autumn trees reflected in [Champion Lake](#) (ReachCode 02070008000594) in Virginia, was taken by Alexander Jones.

We'd love to see photos of the hydrology near you or from your travels! Please send submissions to Alexander Jones (ajonesi@usgs.gov).

Hydrography Quiz

Congratulations to **Ed Clark** who won last month's Hydrography Quiz with the correct answer of the **Weber River**. Well done, Ed!

Thanks to everyone else who played along: Mike Wieczorek, Michael Wiedmer, Jen Crea, Kuba Bednarek, Angie Southwould, Ellen Lesch, Mike Martin and Alex Covert.

This Month's Quiz

by *Vanessa Baez*, email your answer to *Becci Anderson (rdanderson@usgs.gov)*



The river was given a Spanish name by conquistadors but later, French fur trappers translated the Spanish name to French and later yet, European settlers had difficulty pronouncing this river's name, so they simplified it. So today both the river and its canyon have two names. More than 1500 fossil footprints allow you to follow dinosaurs that walked in this canyon beside the river. The river is referred to in the film "The Man Who Shot Liberty Valance".

Clue: *A large band of conquistadors searching for gold was exploring the area and decided to split into two bands to more efficiently search separate canyons. The sole priest had the good fortune to be in the band that*

survived, while Native Americans wiped out the other band. Because the soldiers died without receiving last rites from the priest, their souls were lost for eternity and thus we get this river's name.

Upcoming USGS Hydrography Calls, Trainings, and Meetings

Date	Time	Event
11/21	10:30 AM ET	NHD Update Tools Training Part 2 (editing)
NHD/WBD Advisory Call - Cancelled for December		

To be added to the NHD/WBD Advisory Call email list, please contact nhd@usgs.gov. For more information on technical exchange meetings and trainings, please see the [Hydrographic Data Community \(HDC\)](#) site. For access to the HDC site, please contact Lily Niknami (lniknami@usgs.gov).

Thank you to this month's USGS National Hydrography Dataset Newsletter contributors:

Joel Skalet, Bill Smith, Karen Adkins, Hayley Thompson, Kimberly Jones, Travis Landauer, Lily Niknami, Vanessa Baez, Alexander Jones, Al Rea, Sue Buto, and Becci Anderson.

Join Our Community!

For more information, to sign up for the newsletter, or to contribute, please contact Becci Anderson, Hydrography Management and Planning Lead, at rdanderson@usgs.gov.

Visit us anytime at usgs.gov/NatHydro and follow us on Twitter [@USGSNHD](https://twitter.com/USGSNHD)

Any use of trade, product, or firm names is for descriptive purposes only and does not imply endorsement by the U.S. Government.