

# USGS National Hydrography Dataset Newsletter

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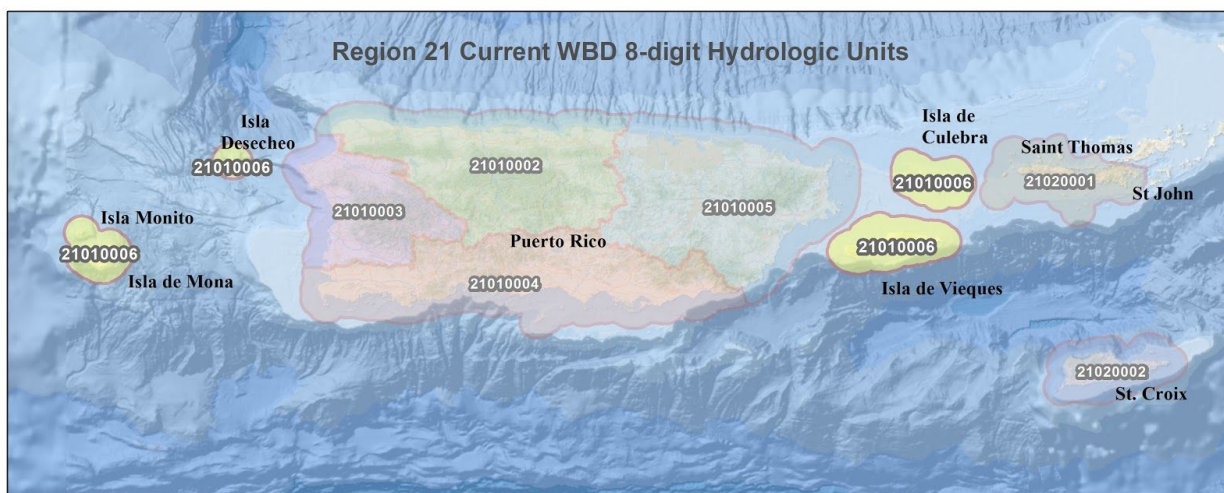
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## Region 21 8-digit Hydrologic unit code updates

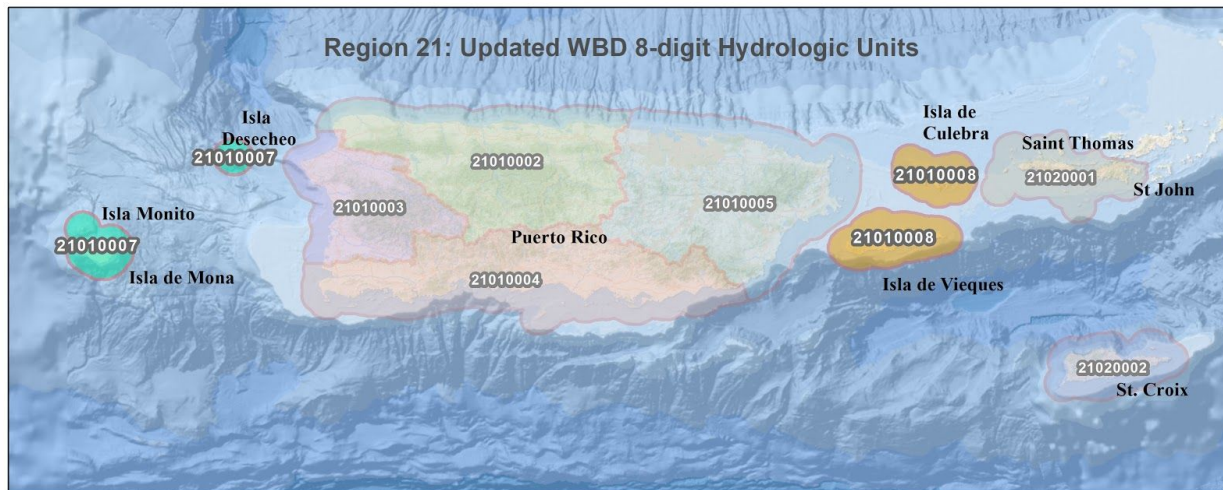
Contact: Kimberly Jones ([kjones@usgs.gov](mailto:kjones@usgs.gov)), Lily Niknami ([lniknami@usgs.gov](mailto:lniknami@usgs.gov)), Susan Buto ([sbuto@usgs.gov](mailto:sbuto@usgs.gov))

The WBD for region 21 encompasses the U.S. territories of Puerto Rico and the U.S. Virgin Islands and is composed of a number of island hydrologic units (HU). The current 8-digit HU 21010006 is a multipart unit that includes five islands located on both the east and west sides of the island of Puerto Rico.



It does not make hydrologic sense to include islands that are separated by such a vast extent and divided by the island of Puerto Rico in the same 8-digit hydrologic unit. To resolve the issue, the WBD National Technical

team has coordinated with the regional WBD steward to divide 21010006 into two new 8-digit hydrologic units. Isla de Mona, Isla Monito, and Isla Desecheo will be combined into a new 8-digit HU, 21010007, to represent the islands on the west. Isla de Vieques and Isla de Culebra will be combined into a new 8-digit HU ,21010008, to represent the islands on the east. Hydrologic unit code 21010006 will be retired.



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## Update on Migration of Hydrography Staged Products to the Amazon Cloud

Contact: Karen Adkins ([kadkins@usgs.gov](mailto:kadkins@usgs.gov))

The USGS has been in the process of transitioning away from using FTP for distributing staged products to hosting in the Amazon cloud. Currently, all Hydrography products are available for download from both FTP and the Amazon cloud. The National Map Download Application (<https://viewer.nationalmap.gov/basic/>) and the Access National Hydrography Products web page ([usgs.gov/NatHydroAccess](https://usgs.gov/NatHydroAccess)) use Amazon cloud links to access products for download. The USGS will start distributing hydrography staged products only via the Amazon cloud in March 2019, and eliminate storage of staged products on FTP.

All hydrography staged products are stored and will continue to be updated on the Amazon distribution site: <https://prd-tnm.s3.amazonaws.com/index.html?prefix=StagedProducts/Hydrography/>.

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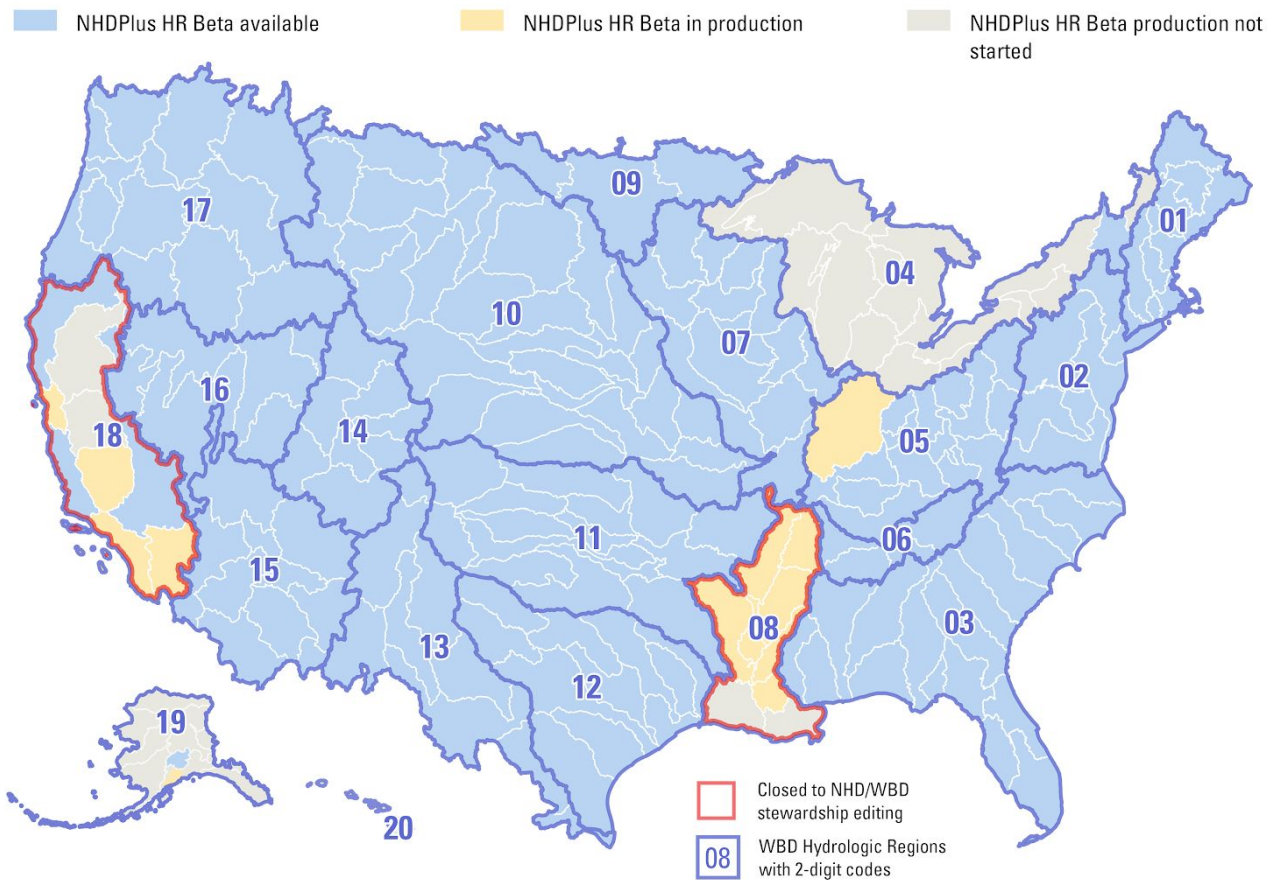
## NHDPlus High Resolution Beta Production Status Update

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

The map below provides a general overview of NHDPlus HR availability. This status map is updated frequently on the “Where is NHDPlus HR Available?” section of the [NHDPlus HR webpage](#).

- 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 [NHD/WBD Point of Contact](#) in your area 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. Please see the general processing schedule on the [NHDPlus HR webpage](#) for more information. These areas are currently open for NHD and WBD editing.
- 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.

## NHDPlus High Resolution Availability



U.S. Department of the Interior  
U.S. Geological Survey

Date updated: 1/28/2019

## Release of the Markup Reviewer 1.2.2.0

Contact: [Tdimascio@usgs.gov](mailto:Tdimascio@usgs.gov)

The NHD Markup Reviewer 1.2.2.0 is now available on the Hydrographic Data Community. Markup Reviewer is an ArcGIS Add-in tool that allows users to query markups submitted through the web Markup Application. Markup Reviewer 1.2.2.0 addresses several bugs found in the previous tool version and offers several enhancements. The updates allow users to populate their organization name just once and applies the organization name value to all submitted record changes. In addition, users are now able to filter the results based on the markup source feature type: NHD, WBD, or NHDPlus HR. Finally, there is now a counter that summarizes the number of records returned in the Results window. The User Guide has been updated to reflect the tool changes. For any questions, or to request training, please contact [markup@usgs.gov](mailto:markup@usgs.gov).

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## Updates to the Markup Application

Contact: [Tdimascio@usgs.gov](mailto:Tdimascio@usgs.gov)

USGS updated the Markup Application in December to resolve several bugs and to add new features to the application. The resolved errors include:

1. Add service layer - The application had an error that prevented users from adding a variety of reference service layers. The application now supports Feature, Tile, and Imagery services.
2. Markups for NHDPlus HR layers - The application had an error in populating the source feature type attribute for markups created for some NHDPlus HR layers. This error has been resolved and markups for NHDPlus HR layers are now sourced correctly to the appropriate feature layers that will require the edits.

The new features include:

1. Login with ArcGIS Online (AGOL) - Users are now able to log into the application with their AGOL account in addition to the option of using a Google account. The email address associated with your AGOL account will get recorded in the "ReporterEmail" field when a markup gets created.
2. Advanced NHD/WBD Editor role - users now have an option to request the Advanced NHD or WBD editor roles. Markups created by the users with the advanced role will automatically record as "in progress" and will not require validation. Requests for advanced roles will be approved by the appropriate NHD or WBD stewards and USGS. State stewards can also request to grant advanced roles to their state partners who have the appropriate level of NHD or WBD expertise to submit markups that do not need additional validation. To request an advanced NHD role, please email your state steward and [markup@usgs.gov](mailto:markup@usgs.gov). To request an advanced WBD role, please email Lily Niknami at [lniknami@usgs.gov](mailto:lniknami@usgs.gov).

## New Release of NHD Update Tool Coming Soon

Contact: [nhd@usgs.gov](mailto:nhd@usgs.gov)

An enhanced and improved NHD Update Tool will be coming your way soon! The new build will be compatible with ArcGIS 10.5.1 and will address security concerns as well as provide improved efficiency to the editing process.

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## New Release of WBD Update Tool Coming Soon

Contact: [lniknami@usgs.gov](mailto:lniknami@usgs.gov)

An enhanced WBD Update Tool for the desktop will be coming your way soon! The new build will be compatible with ArcGIS 10.5.1 and will improve the efficiency of the editing and data validation process.

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## NHDPlus HR Ingredient Dataset Status - WBD 4-digit Improvement Project

Contact: [Kimberly Jones \(kjones@usgs.gov\)](mailto:kjones@usgs.gov), [Lily Niknami \(lniknami@usgs.gov\)](mailto:lniknami@usgs.gov)

The WBD 4-digit Improvement Project is identifying and correcting hydrologic unit boundary issues in the WBD at the 4-digit level in support of NHDPlus HR production. Instances where the NHD and WBD intersect are being reviewed and invalid intersections are being addressed when appropriate. All proposed major updates to the WBD will be coordinated with the appropriate WBD state steward prior to implementation.

### WBD 4-digit Improvement - Work Completed

- Regions - 01, 02, 03, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18 and 20
- Pilot areas - 0903, 041504, 190204, and 190205
- Mexico contributing hydrologic units in Region 13
- Region 19 - 19020301, 19020302

### WBD 4-digit Improvement - Currently In Work

- Region 04
- Canada contributing hydrologic units in Region 04
- Region 19 - 19020202, 19020601 and 19020602

### WBD 4-digit Improvement - Future Work

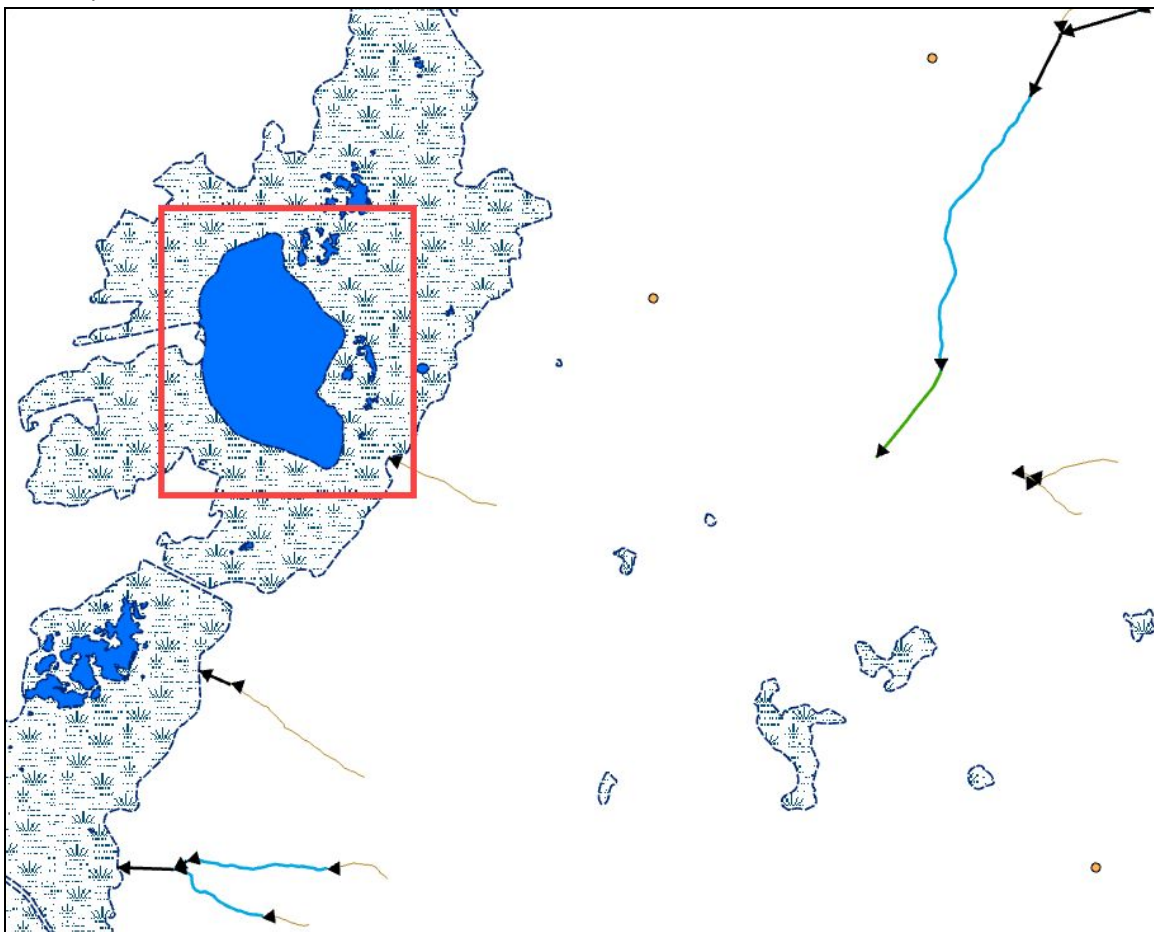
- Regions - 19, 21 and 22

## NHD Quiz

Contact: [nhd@usgs.gov](mailto:nhd@usgs.gov)

As you might have noticed, we have been trying to step up our game a bit on the NHD Quiz. There were only two correct responses to November's quiz. Becci Anderson and Mike Wiedmer (both Alaska residents) correctly identified the Susitna River in Alaska. Becci is the Geospatial Lead with HDR in Anchorage, Alaska. In her previous position as the National Hydrography Co-Lead, she greatly enjoyed receiving quiz responses from readers, but is just as excited to finally get to participate! Becci has used and been involved with developing and supporting the NHD and NHDPlus HR for many years, particularly in her home state of Alaska. She's looking forward to using the new NHDPlus HR under development in the Cook Inlet and Kenai Peninsula areas of Alaska. Michael Wiedmer is based in Anchorage, Alaska and is a member of an inter-disciplinary University of Washington team studying Glacial Lake Atna, which occupied Alaska's Copper River Basin for ~50,000 years during the late Pleistocene. One of at least four Lake Atna drainages was down the paleo-Susitna River.

This lake is the only named waterbody on an island with over 50,000 residents. Fortunately for mappers, this lake has been updated in NHD, and with the assistance of lidar. What lake is this? (Quiz written by Drew Decker)



## NHD Photo

This month's photo was contributed by Pete Steeves, showing a thawing Rainy River in the foreground and snowy Ontario in the distance.



## Upcoming USGS Hydrography Calls, Trainings, and Meetings

Date	Time	Event
Feb. 6	11:00 CST	NHD Technical Exchange Meeting
Feb. 13	11:00 CST	WBD Technical Exchange Meeting
Feb. 26	1:00 EST	NHD/WBD Advisory Team Call

To be added to the NHD/WBD Advisory Call email list, please contact [nhd@usgs.gov](mailto: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](mailto:lniknami@usgs.gov)).

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

Tatyana Dimascio, Lily Niknami, Karen Adkins, Hayley Thompson, Kimberly Jones, Alex Kaufman, Joel Skalet, Al Rea, Susan Buto, and Steve Aichele.

### Join Our Community!

For more information, to sign up for the newsletter, or to contribute, please contact Steve Aichele, Acting National Hydrography Co-Lead, at [saichele@usgs.gov](mailto:saichele@usgs.gov).

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

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