



# California GIS Council Workgroup Report

<b>Workgroup: National Hydrography Dataset</b> Workgroup page*: <a href="http://cgia.org/cagiscouncil/workgroups/hydrography/">http://cgia.org/cagiscouncil/workgroups/hydrography/</a> Workgroup Chair: Jane Schafer-Kramer ( <a href="mailto:jane.schafer-kramer@water.ca.gov">jane.schafer-kramer@water.ca.gov</a> )	Report Date: December 13, 2018
---	-----------------------------------

\*See the workgroup page for workgroup charter, members, contact information, and prior reports.

## Requests for Council Action

None at this time

## Status Update

Members of this workgroup regularly interact as part of the ongoing work of the NHD Stewardship Program. (We have not held a stand-alone CA GIS Council NHD Workgroup meeting.)

Work on bringing the 1:24,000 scale NHD data into NHDPlus is progressing and the NHDPlus High Resolution dataset for California is expected to be released in beta in summer-fall of 2019. More information on NHDPlus may be found at <https://www.usgs.gov/core-science-systems/ngp/national-hydrography/nhdplus-high-resolution> It is currently available for California at the 1:100,000 scale.

A full-day workshop on NHD Applications was presented at the GISPro-CalGIS 2018 meeting in Palm Springs on October 9. This workshop serves as an introduction to the NHD and how it is used in mapping, resource planning and management, disaster response, and more. The workshop was developed by Drew Decker and Carol Ostergren of USGS, and Jane Schafer-Kramer of DWR, and it included presentations by Erik Fintel and Spencer Carroll of the Geographic Information Center at CSU-Chico, and Joel Osuna of the Center for Geospatial Science & Technology at CSU-Northridge. Plans are underway to present workshops in 2019; when these workshops are scheduled the information will be posted to the GIS Council's website. If anyone would like to help host a workshop in their area, please contact [Jane.Schafer-Kramer@water.ca.gov](mailto:Jane.Schafer-Kramer@water.ca.gov).

USGS released its Markup Application that allows anyone to submit corrections or additions to the NHD and the Watershed Boundary Dataset. The application runs in the Chrome browser and requires a gmail account. More information on this is available on the newly-revamped USGS website at <https://www.usgs.gov/core-science-systems/ngp/national-hydrography>. A training video on the Markup Application is now available on the USGS YouTube channel <https://www.youtube.com/watch?v=4hnvgPZxY5Q>. We do know that some of you have sent in markups, and we want to let you know that the Markup Reviewer has been a bit buggy, and USGS is working diligently to get it working well.

The Department of Water Resources' internal editing team consists of GIS-experienced staff in the four Regional Offices and at headquarters. Except for the leadperson, all members of the team work on NHD for approximately 20-25% of their time. The team met on December 5 and 6 in West Sacramento for training on best practices for handling editing jobs and running the QC tools. We also discussed ideas for what to focus on once the update work for the entire state has been completed at the 1:24,000 scale in 2020. There is interest from various groups in adding more monitoring stations to the NHD feature classes and linking other data to the NHD. USGS is in the process of developing new tools for the linking of such data and then sharing it with the hydro data community. Anyone interested may learn more about that topic at <https://my.usgs.gov/confluence/display/qwdp/Networked+Linked+Data+Index>

The NHD technical leadperson has been invited to participate in three Tribal Outreach meetings around the north state in January; these meetings are being organized by DWR's Northern Region Office. Outreach activities are also planned for the



CalGIS 2019 gathering in Fresno, April 8-10, 2019, and at the California Water and Environmental Modeling Forum Annual Meeting in Folsom, April 22-24, 2019.

Anyone wishing to receive news and updates on the California NHD Stewardship Program is invited to subscribe to a new listservice [https://listserv.ce.cnra.ca.gov/scripts/wa.exe?A0=DWR\\_NHD](https://listserv.ce.cnra.ca.gov/scripts/wa.exe?A0=DWR_NHD)

Any organization that wishes to participate in the NHD Stewardship Program by contributing reference datasets and/or becoming editors should contact Jane at [jane.schafer-kramer@water.ca.gov](mailto:jane.schafer-kramer@water.ca.gov) or at 916-653-4441. Any questions on NHD stewardship in California may also be directed to Jane.

### Legislative/Policy Update

The Memorandum of Understanding between DWR and USGS has been approved internally by DWR and is still in USGS internal review.

### Next Actions & Key dates

- Get the NHD Stewardship MOU signed (no deadline date.)
- Members will continue coordination activities.
- NHD Applications Workshop, October 9, 2018, at GISPro-CalGIS in Palm Springs.
- DWR will update the interim status map and continue development of a more robust NHD status application that includes planned future work. [www.tinyurl.com/calnhd](http://www.tinyurl.com/calnhd)
- Continue outreach activities to partner with counties, regional agencies, and tribes to incorporate local knowledge into the NHD.

Action	Key Date
Finalize MOU (awaiting action by USGS)	open
Establish NHD Stewardship presence at GISPro-CalGIS 2018 event, October 9-12, Palm Springs	October 9-10
Continue NHD Update work	

### Documents and Attachments

The latest version of the California Business Rules for editing the NHD will always be posted on the program's website. These updates address issues faced by the editors as they are discovered.

The California NHD Stewardship Program website is: <http://www.water.ca.gov/waterdatalibrary/NHD/index.cfm>

### Notes

Any organization that wishes to participate in the NHD Stewardship Program by contributing reference data and/or becoming editors should contact Jane at [jane.schafer-kramer@water.ca.gov](mailto:jane.schafer-kramer@water.ca.gov) or at 916-653-4441.