



California GIS Council Workgroup Report

Workgroup: National Hydrography Dataset Workgroup page*: http://cgia.org/cagiscouncil/workgroups/hydrography/ Workgroup Chair: Jane Schafer-Kramer (jane.schafer-kramer@water.ca.gov)	Report Date: September 14, 2017
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*See the workgroup page for workgroup charter, members, contact information, and prior reports.

Requests for Council Action

Accept the draft charter: http://cgia.org/cagiscouncil/wp-content/uploads/2015/04/DRAFT-for-Submittal_Charter-for-the-NHD-Workgroup-of-the-California-GIS-....pdf

Status Update

Members of this workgroup regularly interact as part of the NHD Stewardship Program. (We have not held a stand-alone CA GIS Council NHD Workgroup meeting.) The NHD Stewardship Program has begun its second year; two Department of Water Resources (DWR) staff have completed NHD Update training with USGS and have begun editing work, and a few more are on track to complete their training by the end of this calendar year. Contracts are in place with CSU Chico and CSU Northridge to update all California sub-basins at the 1:24,000 scale, including all feature classes of the NHD and add names that are already in the Geographic Names Information System (GNIS.) We have a handshake agreement with the U.S. Forest Service whereby USFS editors will update the feature classes within their administrative boundaries. Watershed Boundary Dataset (WBD) updates will be addressed later, after the NHD work is completed to the 1:24,000 scale.

The Memorandum of Understanding between DWR and USGS for this program has passed internal DWR review and is in internal USGS review. No funds are included in this MOU. Funding for the California NHD Stewardship Program is in the DWR budget.

We have also been working with the County of Marin to get their high-resolution LiDAR-derived linework into the NHD. Fred Vogel and his staff have graciously begun training on the USGS NHD Update tools and procedures in order to accomplish this. Bringing external datasets into the NHD is a complex process and we appreciate their willingness to contribute their data this way.

Los Angeles County storm drain data is being incorporated into the NHD by USGS using the established editing process. To be clear, there is no simple bulk upload procedure for the NHD; all editing work must be done using the USGS tools and procedures in order to ensure integrity of the database. Any organization that wishes to participate in the NHD Stewardship Program by contributing datasets and/or becoming editors should contact Jane at jane.schafer-kramer@water.ca.gov or alt 916-653-4441.

Jane and Drew Decker (USGS) are helping with QC checks on areas of those hydrologic regions that will soon be uploaded to the NHDPlus High-Resolution Dataset. These are bordering Nevada and Arizona. The Klamath subregion is in the process of uploading to NHD Plus Hi-Res in order to allow USGS to conduct before-and after studies on the removal of several dams in the Klamath. The remainder of California is scheduled for upload to the NHDPlus Hi-Res in late 2018 or 2019.

Legislative/Policy Update

California Watersheds Dataset a.k.a. CalWater Update: Last month a letter was signed by DWR and mailed to the agencies that were signatories to the original MOU that was the basis for the creation of the CalWater watershed boundaries dataset.



This dataset was created under an MOU between many government agencies in 1998 and then updated in 2004 with the release of version 2 of CalWater; responsibility for maintenance of Calwater was shifted to DWR. In a letter signed August 3 2017 and mailed to the signatory agencies, DWR establishes that version 3 of Calwater is the Watershed Boundary Dataset as it appears in The National Map, and no further updates to Calwater 2.2.1 will be made. A copy of this letter has been posted to this workgroup's page.

Next Actions & Key dates

Get the NHD Stewardship MOU signed (no deadline date, but hopefully by end of this year.)

Members will continue coordination activities.

DWR will update the interim status map (ongoing, but it is three weeks behind at present) and continue development of a more robust NHD status application.

<https://dwr.maps.arcgis.com/apps/webappviewer/index.html?id=6bd916288cd44e1c9248b52687d95d59>

Continue outreach activities to partner with counties, regional agencies, and tribes to incorporate local knowledge into the NHD.

Action	Key Date

Documents and Attachments

List of documents (reports and recommendations) attached to this status report. Can be a URL.

http://cgia.org/cagiscouncil/wp-content/uploads/2015/04/California-Watershed-Boundaries-Dataset_20170803.pdf

Notes

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