



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: March 8, 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.) The NHD Stewardship Program will complete its second year in June. Under contracts with DWR, the Geographic Information Center of CSU-Chico and the Center for Geographic Studies at CSU-Northridge have checked out and are editing 19 of the California sub-basins at the 1:24,000 scale, including all feature classes of the NHD, following the California Business Rules, and one at the 1:4,000 scale under a separate contract with DWR for the Legal Delta. All California subbasins have been updated with lakes, ponds, and reservoirs data under contract with the Department of Fish & Wildlife. There is one DWR editor actively working on a subbasin using the same business rules as our contractors. Five DWR editors are awaiting approval by USGS to begin editing work, and two new ones are in training. There is currently one subbasin checked out for editing by the U.S. Forest Service. Work continues with the Los Angeles County storm drain data which is being incorporated into the NHD by Los Angeles Department of Public Works staff using the standard editing process.

Tim Lindemann and his team of U.S. Forest Service Region 5 have received a grant to pursue development of a workflow to bulk-upload LiDAR-derived hydrography to the NHD.

The technical lead presented on the NHD and the stewardship program at a meeting of the California Water Quality Monitoring Council (http://www.mywaterquality.ca.gov/monitoring_council/index2.html) and separately at a meeting of its Wetland Monitoring Workgroup (http://www.mywaterquality.ca.gov/monitoring_council/wetland_workgroup/index.html). There is interest in linking data from the California Aquatic Resource Inventory (<https://www.ecoatlas.org/data/#cari>) to the NHD, and to utilize CARl and other wetlands data resources in updating the NHD.

Marin County seeks funding to continue work on incorporating LiDAR-derived hydro data into the NHD. (Preparation work is temporarily halted.)

The California Stewardship team meets with USGS on March 13 to coordinate on the network improvement work needed for the NHDPlus High Resolution update work scheduled for later this year.

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 at 916-653-4441.

Legislative/Policy Update

The Memorandum of Understanding between DWR and USGS has been approved internally by DWR and is still in USGS internal review (update received from USGS on 2/28/2018.)

Next Actions & Key dates

- Get the NHD Stewardship MOU signed (no deadline date.)
- Members will continue coordination activities.
- A presentation proposal has been accepted for 2018 Esri User Conference.
- 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
- 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	TBD
Meet with USGS and other partners and potential partners at the Esri User Conference	July 2018

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 or at 916-653-4441.