

Oregon Hydrography Framework Implementation Team Meeting

Thursday, May 23, 2013

1:30 – 3:30 p.m., Conference room 124A

North Mall Office Building, 725 Summer St. NE, Salem

Attendees (*via phone):

Bob Harmon, OWRD, Hydro Chair (& scribe)	Jon Bowers, ODFW
Milt Hill, DAS GEO	Jed Roberts, DOGAMI
Dick Lycan	*Sheri Schneider, USGS
*Dan Wickwire, BLM	*Malavika Bishop, DEQ
*Jay Stevens, BLM	*Steve Aalbers, DEQ
*Tamiko Stone, BLM	

Agenda:

- 1) Welcome & introductions, Bob & group.
- 2) Proposed revision to Oregon Water & Monitoring Well Standard (OWMWS), Bob.
Based on recent discussions around the Preparedness FIT funding proposal Bob proposed a minor revision to the OWMWS (document can be found at the [GEO site](#)). There is a need for an attribute that captures the manner in which the location of the well was derived. It would be called “wwCaptureMethod” and defined as a text field with a fixed domain of options, such as: “GPS”, “computed centroid of PLS section”, “computed centroid of PLS QQ”, “computed centroid of tax lot”, and “computed from street address”. It would be a required field following “wwLongitude”, “wwLatitude”, and “wwHorizontalAcc”.

Jon suggested following the format of a similar attribute (fpbLocMd) in the Oregon Fish Passage Barrier Data Standard (doc [here](#)). Bob will take a look at it and start the revision process. There was not dissent from the group.
- 3) Hydro-related funding proposals and new projects, group.

The following projects were funded through the 2013 USGS Partnership Program for NHD-related work in Oregon. DEQ also received matching monies through the 2013 - 2015 Oregon Framework Development Program:
 - a) ODFW (2) (Jon):
 - i) Migrate whole stream route (LLID) for approximately 50K streams across the state to the NHD in HEM (Hydro Event Management tool). Preliminary migration complete. Currently QA/QC’ing data. Getting ready to perform edits on the NHD. Encountering loss of route measures, anomalous spatial modifications. Not sure how prevalent or when occurring though it’s likely during check-in process during NHD editing since the problems don’t appear to be made deliberately by an editor. Not a big number, but points to a problem somewhere in the process. Also, prevalence of extremely short flowlines, less than 5-feet in length. *[automated QC issues] [stewardship]*

- ii) Upon completion of previous item Jon and staff will migrate fish habitat distribution & fish passage barrier information that ODFW stewards to the whole stream routes on the NHD. This will allow for reporting of fish habitat and barrier data to StreamNet using whole route identifiers.
 - b) DOGAMI (Jed). Lidar based updates to NHD for 12 12-digit HUs in the Tualatin sub-basin (mostly private with some State Forest lands). Just completed review of their data to make sure stream network density comparable to the NHD. A few areas needed to be filled in. Very close to first check out from NHD. Shared source data with Washington County, Clean Water Solutions, and ODF (Emmor).
 - c) DEQ (Steve). Starting in “Mid-coast” basin will convert water quality sampling sites to the NHD (as HEM points). DEQ water quality team is starting TMDL work there. Will put together small team to figure out agency database requirements for maintaining the data, develop a conversion process, and carry out the work for 300 sampling sites in the Mid-coast (700 if include historical sites). Once points in the pilot area are converted to the NHD the data will be QA/QC’d and the process documented. Remaining funds will be used to convert other sites in the state. There are approximately 18,000 sites in DEQ’s LASAR database (Laboratory Analytical Storage and Retrieval (for air & water quality monitoring data)). About 4,000 of those were developed in the last decade and 1500 from third-party groups. Impaired streams are not currently included in the scope of work. ODFW’s migration of the LLIDs to the NHD may help with the import of the impaired streams data in the future.
 - d) OWRD, for NHD workshop that was approved, but later dropped due to the federal sequester (deemed a “sponsorship” which is prohibited under USGS sequester rules). May try again next year.
- 4) NHD migration status.
- a) Agency status.
 - i) ODFW (Jon). Covered migration status in previous section. Important to clarify the [PNW Hydro] stewardship process and find ways to make it as efficient as possible. Don’t want to be slowed down while making edits.

(Bob) Efficient stewardship is important to all participants. OWRD learned from GNIS (names) update of the NHD to do as much research in a sub-basin (HU8) before checking it out through the NHD edit process. This includes identifying edits that may involve other partners and contacting where necessary. They found the BLM “edit template” very useful when sending them information about proposed edits on their lands. The Forest Service may use the same template when working with the BLM. Others may find this useful or use something as simple as a marked up screen shot.
 - ii) OWRD (Bob). Started migration of OWRD’s stream code in the Klamath basin earlier this year. Will maintain in HEM. Finding even split of issues with internal mapping and NHD. Not a big number in total. This will provide the ground work for snapping water right points of diversion (PODs) to the NHD and importing as events. Also need a stream mile on the NHD (or some

type of whole stream index) for sorting of POD information on the stream based on its location. Developing tools to do this. Will continue this work throughout the state. No timeline has been defined due to other issue in the Klamath that require OWRD's attention, but migration to the NHD remains a priority.

- b) Lakes in the NHD (Dick). Provided update to issues of missing lake features in the NHD.
 - i) Dams. Does every dam have a lake represented in the NHD? No. Some impoundments classified as lakes and others as areas, or are missing. Checked against the National Inventory of Dams and OWRD list (this feeds the NID).
 - ii) Missing lakes with names. Bob mentioned that OWRD (Meredith) had completed her review and correction of lakes in the NHD that have GNIS names for the east side sub-basins (except the Klamath). Geometry was added where necessary. She will be working with LCOG (Lane Council of Governments) to make similar corrections to the west side basins. This may not address some of the reservoirs on the Columbia and Snake that are classified as "areas" (previous item). Further discussion at the PNW Hydro level, or higher, may be required so any editing effort is consistent with NHD policy (if that exists).

From discussion found that it would be helpful to identify remaining lake issues by 8-digit HU. This will assist with identification and prioritization of issues and at least make editors aware as they work in a sub-basin.

5) Whole stream identifier coordination, Bob & Jon.

For now the process remains ad hoc with ODFW leading the way with the migration of ~50K LLIDs to the NHD. OWRD will look into using the data for creating stream miles, but does not anticipate maintaining its stream codes on it at this point. The data may also prove useful to the DEQ for the migration of its impaired streams data. At some point we will have to create a methodology for coordinated maintenance of the LLID on the NHD in Oregon and formalize it as amendment to OR Hydro Standard (v2).

Jon will get a current version of ODFW's whole stream data (on NHD) data to Bob to look at, understanding that it will be finalized in a few more months.

6) Outcomes, Group

- a) Start the revision process for the *Oregon Water & Monitoring Well Standard*. Adding the attribute "wwCaptureMethod". (Bob)
- b) Identify lake issues by 8-digit HU (sub-basin) (Dick)
- c) Investigate and draft stewardship agreement for non-federal NHD editors in Oregon for next meeting of this group. (Bob)
- d) Next meeting (October/November).