OGIC HYDRO MEETING
Wednesday, September 8, 1999, 9:30 am - 12 pm
BLM District Office, Salem

Attendees:

Bob Harmon, OWRD	Marc Koski, BLM-Salem District
Ken Adee, USFS-Willamette NF	Dan Wickwire, BLM-Oregon State Office
Dale Guenther, REO	Sharon Clarke, CLAMS, OSU
Ryan Dalton, BLM-Salem District	Emmor Nile, ODF
Chester Novak, BLM-Salem District	Jim McGinnis, SW Province, by phone

Handouts:
1) latest version of OGIC Hydro model/core attributes (7/22/99), 2) BLM's "USGS Major/Minor Codes to Feature Type Coding" crosswalk, 3) 7/13/99 "Recommendations to the OR & WA Hydro Framework Partners…", 4) WA Hydro Framework Technical Group Meeting notes (8/18), and 5) hydro summit 2 notes.

Agenda/discussion items:

1) **Oregon-Washington hydro framework coordination.** Discussion focused on those items that the group thought remained to be worked out with the Washington hydro framework, notably these core attributes: hydfeat, hydmethod, hydsource, hydspace, hydperiodicity (see proposed name change later in notes), and hydlossgain (see proposed name change later in notes).

   Dale noted that a Hydro Summit '3' was being scheduled for Friday, September 24th , in Olympia to wrap up those items left from '2' and that it could be used to discuss the core attributes. The group agreed and will send Bob and some representatives.

   Remaining items:

   Hydfeat. The group accepted the recommendation from the joint Oregon and Washington meeting of June 28th to spell out the feature types. Bob proposed using a single word identifier for each description in order to minimize variations in the terminology and make queries easier while showing users, up front, what the feature is without having to link to external tables. His recommendation was also accepted.

   Dale said that the regional hydrography data clearinghouse would initially use the OGIC feature type descriptions (hydfeat). He mentioned the existences of a tool that Martin Hudson, WA Fish & Wildlife, has to summarize the DNR numeric feature type codes into a descriptor similar to the OGIC hydro feature types. It was pointed out the concern expressed by Washington that once "summarized" you couldn't go back to their original codes. Emmor proposed, and it was accepted, to have to feature type fields, one each for Oregon and Washington.

   Hydmethod & **hydsource**. Washington proposes adding a third item, interpretation, to the description of the source and method used to add data to the hydrography

theme. The OGIC Hydro group would like to see the completed description with a matrix that accommodates the current domain.

Hydspace, **hydperiodicity (hydseason)**, and **hydlossgain (hydtransfer)**. There was a lot of discussion on whether we could get the Washington Hydro Framework group to reconsider these fields for inclusion 'above the line' as core attributes or, at least, find out what agency would maintain them as a part of its business. Chester, BLM State Steward for Hydrography, reiterated the importance of the fields and the potential for their either being left blank or haphazardly filled out in a regional clearinghouse.

This last point was intended to emphasize the importance of having cross-regional agreement on the existence of the fields and how they would be filled out. Several methods for maintaining feature-level metadata on the fields were brought up and discussed. Chester will give some thought to this and make a recommendation to the group.

It was recommended, and approved, to rename hydperiodicity to **hydseason,** and hydlossgain to **hydtransfer**.

Recommendations regarding other fields:

- To drop the feature level attribute, hydid. It had appeared in the arc, polygon, and point attribute tables.
- Fix the field length of gnisname to whatever the GNIS recommends.
- To accept Washington's recommendation to use meters (instead of feet) in the spatial accuracy field, hydacc.

Other core attribute issue(s):

There was some discussion about broadening the core attributes to include fish presence/absence. The complexity of the subject and lack of topical specialists forced the group to postpone the subject until "Phase II" of the standards process; i.e., let's wrap up what we we're doing first before we get into fish.

2) 5th/6th-field watershed delineation.

Dale reported on the watershed delineation meeting in Boise in August. It was part of a series of meetings being held by the USGS around the country to identify and coordinate 5th and 6th-field watershed delineation efforts around the country.

Currently, there are two delineation guidelines, one created by the USGS and the other by the NRCS. Dale noted that they are in close agreement (~90%). The notable

differences include the number of characters used at the 5th and 6th field level—USGS uses two-characters for each and the NRCS three, definitions for the headwalls, and the NRCS includes manmade conveyances in its delineated areas.

The NRCS has a certification process and Dale said that Ian Reid, NRCS-Bend, will submit some of the recently completed Oregon 5th-field watersheds to the NRCS certifying group.

As various groups have been creating/updating the 5th-field, and smaller, watersheds, they have noted that adjustments have to be mad to the boundaries that also make up 4th-field groupings. The USGS does not presently have a 'master' 4th-field digital coverage. People at the Boise meeting suggested that the USGS maintain a master 4th-field theme.

Dale said that Oregon's process compares favorably to work being done by other states in the region and country. He also said that Ian has been pulled off of the eastside 5th-field delineation process.

Here is Dale's schedule of 5th and 6th field delineation efforts ongoing in Oregon and Washington:

(These will be over NetMeeting unless noted)

9/14 - Final review for Upper/Lower Grand Ronde. Start 9am
9/14 - Begin delineation for the Vale District (BLM, OR) 1pm

9/15 - Meeting with Idaho State on coordinating 5th's along the state line.

9/29 - Begin delineation in the Owyhee (OR) drainage. Start 9am.

9/30 - Final review for the Olympic Pen. Start 9am.

10/5 - Begin delineation for the Mt. Baker area.

10/21 - Begin 6th field delineation in the Olympic Pen. (Spokane)

Please contact Dale if you have any questions regarding the watershed delineation project (Guenther_Dale_G/r6pnw@fs.fed.us).

3) Dale's demo of the 24K hydro data warehouse

Dale demonstrated a pilot project being spearheaded by the REO and PSMFC (Pacific States Marine Fisheries Commission)—a 24K hydrography linework check-in/out system accessible from the REO's web site (http://www.reo.gov/Hydro).

This generated a lot of good discussion on check-in/out procedures and clearance for editing the data, and how that would be assigned, i.e., by 4th/5th/6th-level watershed, etc., and regional and intra-state coordination and cooperation agreements. Dan stressed the need to adequately address the stewardship and access control issue within the

clearinghouse development. He suggested that agreed upon policies and protocols need to be developed to support the technical solution. Ken Adee recommended that the OGIC Hydro group draft a guidelines document to start the ball rolling. Chester recommended that hydrologists be include in the discussions.

4) Next meeting

Thursday, October 14th, 1999 at the BLM Salem District Office, Table Rock room, from 9:30am to noon. **NOTE: For those who attended the 9/8 meeting, the day that we agreed to (Wed., 10/13) was not available.**

Notes written up by Bob Harmon and Jim McGinnis (thanks Jim!). Thanks to Dale and Dan for their review.