

OREGON HYDROGRAPHY FRAMEWORK MEETING

Wednesday, January 31, 2001, 9:00 a.m. - 12 p.m.

BLM District Office, Salem

Attendees:

Bob Harmon, OWRD

Dale Guenther, REO

Ian Reid, NRCS

Ken Adee, USFS-Region 6

Marc Koski, BLM-Salem District

Ryan Dalton, BLM-Salem District

Dan Wickwire, BLM-Oregon State Office

Bryant Mecklan, BLM-Oregon State

Office/AverStar

Agenda/discussion items:

1) New/Old business.

Dale mentioned that the group's proposal for a presentation on the Northwest hydro framework was approved by ESRI for their annual conference being held this July.

Ken told the group about the northeastern hydro meeting that is being held at the Umatilla National Forest supervisor's office in Pendleton on February 23. Dale, Dan, Ken, and Bob will attend and outline the work of this group.

2) Clearinghouse.

a) Server. Dale said that Jack Horton, ESRI-Olympia, is scheduled to install the server software at the REO on February 13th and 14th. The hardware is already in place. The beta test should begin in March after the REO's offices are moved to temporary quarters on the sixth floor of the building that they're in (making room for the BLM's "eventual" move to the same building). The beta test will run through April.

Ken mentioned that a new event table was added to the data model to accommodate the use of SDE by the clearinghouse. When data are checked out of SDE, a node is placed at every vertex. A technical group solution was to create an event table of the section table during checkout. This will preserve the route structure that originally went into the clearinghouse. The process should be "invisible" to the user, i.e., they don't have to create this table. Dale will check with Joy, Washington Dept. of Ecology, to see if she'll make the necessary update(s) to the Hydro Model.

b) Pre-loading of the Clearinghouse with 100K data. Dale has been trying to get a hold of AverStar to meet with them and Dan Saul, Washington Dept. of Ecology, to see if they were willing to contract with the REO to do the "pre-loading" of the Clearinghouse with 1:100,000-scale data in the NW Hydro framework format. Dan Saul has already done this for Washington. Unfortunately, Dale has been able to contact AverStar because they have been in the midst of a two-week move to another office. Dan Wickwire asked the group

if this held up the beta testing of the Clearinghouse and the group didn't seem to think so, but it also didn't have any alternatives.

- c) **Data integration.** Ken said that during the integration of data into the Clearinghouse there might be the issue of the Forest Service not always mapping intermittent streams, though they might be planning to budget some money toward their eventual inclusion. Ken is studying the issue with Dave Hatfield. They are looking at attempting to model intermittent streams. He will see if the Region office supports this effort at least on the west side of the Cascades. Ken said that this had come up at the Southwest Province meeting the previous week. He also expressed concern that if this was a serious issue for the Clearinghouse that the process for getting data integrated and checked in could slow the whole process. Currently, there is no requirement for "uniform" mapping of intermittent streams across the state or by region.

Dan reported that the SW Province meeting in Roseburg went well (Dale, Ken, and Bob also attended). Ken agreed and remarked that the Hydro Framework's presentation was well received and there appeared to be a willingness to work together on the integration of their hydro data sets. They came away with an agreement by the Forest Service and BLM district hydrologists to test the integration of hydrography data for three watersheds shared by their respective agencies.

Dan brought up a concern over his agency's compilation of hydro data in watersheds that may have already been done by the Forest Service. He needs USFS input on those watersheds that they may be working on to minimize the potential overlap between the two data sets. Ken said that he would help look into the issue. Dan would also like to know the extent of Spencer Gross data in northwestern Oregon. He will get that status information from Emmor Nile, ODF.

- d) **Technical & procedural rules.** Ken reported on the December documentation meeting and the draft that Michele Davis (BLM-Salem) and Diane Rainsford (USFS-Siuslaw) had created (12/6/2000 Hydro notes). He said that the document needed editing for consistency in overall content and format (20-40 hours?). He thought they might be able to resume their work on the draft in February and that the entire document should be in place before the Clearinghouse opens to the public in May.
- e) **Tools.** Dale reported that there was a meeting about two weeks ago to determine how the event editing tools would develop. Dana Baker, BLM, and Michele Davis were researching the technical issues. Ken said that the decision was made to edit the hydro data as routes, not as arcs. The goal is to automate enough specific tasks to cover the greatest share of the route editing process. The next meeting of the Tools group is February 15 at the REO. At that time they will

develop a work plan, make task assignments, and come up with a budget (who will pay).

- f) **Theme management/Coordination.** The group came to the consensus to implement this issue at the provincial level, i.e., let the provinces/regional groups handle theme coordination and decide on the responsibility for theme management for the 4th/5th-field HUCs in their respective areas. Dale suggested that this group coordinate with the provinces/regional groups at meetings like the one we had with the Southwest Province.

Dan proposed that the checkout of data for editing from the clearinghouse would require coordination with other owners/land managers in the effected watershed. Ken agreed and suggested that we might want to consider having a 5th-field theme manager for a watershed as a requirement before data could be checked out for editing from that area.

3) Watersheds.

- a) **Watershed Boundary Database (WBD).** This is the new name for the national watershed theme (to 5th and 6th-field). The national guidelines for how the data will be attributed are currently under review (extended from the last time that this group met). The new deadline for review is February 13.
- b) **East side 5th-fields.** Dale said that he had dates in February from Chester Novak, BLM State Hydrography Steward, to finish review of the linework from the units that aren't completed yet. The AverStar contract to finish compilation of the data set has not started yet because they have been unavailable during their move. The BLM has picked out two completed watersheds for AverStar to test their methodology on. This will be compared to the BLM's work before proceeding on the remaining watersheds.
- c) **West side 5th-fields.** Dan reported that the edits to the 5th-field watersheds on the west side are done. They still have to renumber the watersheds to meet the requirements of the national guidelines.
- d) **Statewide 6th-fields.** Dale is updating his strategy paper on compiling 6th-field watersheds for the state. Ian and Dale will get submissions for 6th-field linework from any organization that has this data. The proposal is for the REO to "smoosh" the submissions together, package the current delineations together with DEMs and DRGs for further work at the provincial/regional level, and schedule a big meeting in May in Portland at the REO to resolve any edge-matching issues. Dale is also investigating contracting with AverStar on this project, also. Dale and Ian are getting feedback on the proposal.

- 4) **Next meeting.** Wednesday, March 14th, 2001 at the BLM Salem District Office from 9:00am to noon.

Notes written up by Bob Harmon with “pre-apologies” for any errors, omissions, etc.