Hydrology/Hydraulics GIS Applications Workgroup

Minutes of teleconference April 7, 2010

Attended: Dave Goodrich (ARS), Kernell Ries (USGS), Di Long (graduate student Texas A&M), Vijay Singh (Professor, Texas A&M), Jennifer Bountry (USBR), Bill Merkel (NRCS), notekeeper.

Web Pages:

The web page for the workgroup is:  http://acwi.gov/hydrology/h2gisa/

The web page for the Subcommittee on Hydrology (SOH) is:  http://acwi.gov/hydrology

These teleconference minutes will be added to the web page.

The web page for the Texas A&M Hydrologic Modeling Inventory web site is:  http://hydrologicmodels.tamu.edu/

Questionnaire

A CESU (Cooperative Ecosystem Studies Unit) agreement between the Bureau of Reclamation and Texas A&M to post the completed questionnaires on a web site has been funded for $20,000. The term of the agreement has been extended until August 2010 to allow for completion of the items requested in the plan of work. A 12 page progress report has been prepared by Vijay Singh and Di Long. This includes a revised (expanded) questionnaire to be distributed to model developers. Di Long has distributed the questionnaire to a number of model developers and has received some responses (specific models were not discussed during the teleconference). Strategies for getting more complete responses were discussed. One of these strategies would be for the Work Group to partially complete a questionnaire then send it to the developer to complete.

After the project completion date, Texas A&M will continue to support the web site which includes major categories of hydrologic models. This includes updating questionnaires, adding/deleting models, etc.

This CESU agreement by the Bureau of Reclamation is greatly appreciated by the Work Group. It has allowed for significant progress in the mission of the Work Group to gather information on GIS applications in hydrology and hydraulics and make it available to other federal agencies and the general public.
SOH web site suggestions

It was suggested that the link to the TAMU hydrologic models web site be placed in a prominent location on the Work Group web site. The list of members on the web site needs to be updated.

News from work group members

Kernell Ries provided an update on the USGS StreamStats project. They are in the process of linking stream networks to the system. Within the US, the goal is to link NHD and NHD Plus to the StreamStats system.

Dave Goodrich reported on status of the Hydrologic Information System (HIS) project being led by David Maidment. Negotiations are underway which would set up long term support from ESRI for the project. He will report again when more information is available.

Bill Merkel is presenting a paper on the Work Group progress and activities at the Federal Interagency Hydrologic Modeling Conference in Las Vegas June 28.

Action Items from teleconference

1. Di Long will continue working on the Texas A&M web site and process new questionnaires received. Since the end of the project will be in August, the next three months are critical to incorporate comments from the Work Group into the web site operation.
2. Bill will send the revised questionnaire to current model developers on the list to ask for updated responses.
3. Bill will contact Carol Lewis to set up web site revisions.
4. After the web site project is completed, a report to the Subcommittee on Hydrology will be assembled. Assistance from Work Group member will be requested then.

Next teleconference: The date for the next teleconference was not decided. An e-mail will be sent out to ask for possible dates in June or July.