

Hydrology/Hydraulics GIS Applications Workgroup

Minutes of teleconference July 15, 2010

Attended: Dave Stewart (USGS), Dan Wickwire (BLM), Zhida Song-James (Michael Baker), Nebiyu Tiruneh (NRC), 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 questionnaires on a web site has been completed. A final report has been prepared by Vijay Singh and Di Long. This includes a revised (expanded) questionnaire and a table summarizing the models which include GIS applications.

A teleconference with Vijay Singh and Di Long was suggested to discuss possible future improvements to the web site.

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.

Report on state-of-the-art in GIS applications in hydrology and hydraulics

In the Charge to the Work Group, a report of findings is needed to document (and perhaps finalize) the activities of the Work Group. The format, content, length etc, are not specified. A list of the applications identified and associated information could be an

appendix to the report. Additional important items to include would be status of applications (state of functionality and completeness), any improvements suggested to any of the applications, and any gaps of needed technology. Another item to include could be a group of agency reports on status of applications and needs. A draft outline of the report will be sent out for the Work Group to review and comment.

News from work group members

Bill Merkel with help from Jennifer Bountry, presented a paper on the Work Group progress and activities at the Federal Interagency Hydrologic Modeling Conference in Las Vegas June 28 and 30, 2010.

Action Items from teleconference

1. Vijay Singh and Di Long have submitted their final report to the Bureau of Reclamation on the Texas A&M hydrologic modeling web site. It will be distributed to Work Group members (attached to the e-mail). It will not be posted on the Work Group web site until later.
2. If any Work Group members would like to add models to the web site, please send contact information to Bill and he will send out a questionnaire to the model developers/supporters.
3. Vijay and Di Long are requesting more funding to continue work on the web site. If any agencies represented on the Work Group have some funds, please let Bill know and we can try to extend the agreement with Texas A&M to make improvements to the web site.
4. The paper and the power point slides presented at the Joint Federal Interagency Conference on Sedimentation and Hydrologic Modeling (June 27, 2010) will be posted on the Work Group web site.
5. A report to the Subcommittee on Hydrology will be assembled. Bill will prepare an outline for the report and send it out for review. Assistance from Work Group members is requested.

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