

Hydrology/Hydraulics GIS Applications Workgroup

Minutes of teleconference January 7, 2008

Attended: John Hunter (COE), Dave Wells (EPA), Min Kim (OSM), Kirk Cover (FERC), Dan Wickwire (BLM), Bruce Feinberg (BuRec), 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>

The list of members was updated and the past teleconference minutes have been added to the web page.

Questionnaire:

Since the last teleconference, a draft questionnaire was distributed to the workgroup members. This questionnaire is designed to gather limited but key information about a particular GIS application in order for a potential user to decide if the application fits his/her computer system, data requirements, and physical system to be modeled. The scope of GIS applications to be included has been extended from hydrology/hydraulics to related watershed assessment and water quality applications.

The questionnaire will be modified based on comments of the workgroup member and presented at the next meeting of the SOH for additional guidance. When approved by the SOH, the questionnaire will be distributed to agencies represented by the SOH. Completed questionnaires will be requested 3 months from the date of release.

Looking ahead, the workgroup members will review the questionnaires to determine if they are complete and within the desired scope of the applications.

Live Meeting

It was proposed and accepted by the members that at future teleconferences a member will present an overview of a GIS application in hydrology/hydraulics. This will be a great opportunity for learning and information sharing. The presentations are expected to be 10-15 minutes. Various options for format include power point presentation or live demonstration. The next teleconference will provide the chance to test the logon procedures and operations. A volunteer to make a presentation will be requested for following teleconferences.

Coordinate with other committees:

Three particular groups were identified for potential coordination. The Subcommittee on Spatial Water Data (SSWD) and Hydrologic Modeling Workgroup could have subjects of mutual interest. Dave Wells will contact the SSWD for the next meeting date. A representative from this Workgroup will try to attend. The Hydrologic Modeling Workgroup has set up a web link to a variety of hydrologic models. The link is <http://hydrologicmodels.tamu.edu/> This Workgroup is interested in those models which are linked to GIS. The third group is CUAHSI, a university consortium (with links to some federal agencies) to develop water-related technology (including GIS applications). The web site for CUAHSI is <http://www.cuahsi.org/his.html> . This organization may have GIS applications which would be of interest to the workgroup. Questionnaires may be sent there for completion.

American Water Resources Association GIS and Water Resources Conference

The AWRA is having a conference on GIS and Water Resources in San Mateo, CA March 17-19, 2008. Bill Merkel and Dave Wells have submitted an abstract to the conference and have been accepted for a presentation. The paper and presentation are entitled Federal Interagency Hydrology and Hydraulics GIS Applications Workgroup. The presentation will inform the attendees about the purpose and progress of the workgroup. In addition, contacts for GIS applications relating to the workgroup will be sought. For information about this conference please visit: http://www.awra.org/meetings/San_Mateo2008 .

Action Items from Teleconference:

1. Dan Wickwire will prepare instruction for logging into a live meeting so the members can test it at the next teleconference.
2. Dave Wells will inform the Subcommittee on Spatial Water Data about the activities of the workgroup.
3. Bill Merkel will update the draft questionnaire and distribute to members of the workgroup. Members are asked to review and send comments by Friday January 18.
4. Bill Merkel will present a status report at the next SOH meeting which is scheduled for January 24, 2008. After that, the questionnaire will be finalized and released.

Next teleconference: Wednesday, March 5, 2008 at 11:00 AM eastern time.

Attachment to minutes: Fact sheet for ARS AGWA Watershed Assessment GIS application.