

Meeting Highlights

Arkansas NHD Technical Working Group (NHD-TWG)

January 24, 2008

Meeting hosted at Arkansas Department of Environmental Quality

Participants:

Katy Hattenhauer, ADEQ
Alan Price, ADEQ
Randy Puckett, ADEQ
Mary Barnett, ADEQ
Tracy Moy, AGFC
Rusty McAlister, ANRC
Robert Fuhler, AHTD
Bart Dudley, AHTD
Steven Hill, ADH
Shelby Johnson, AGIO

Katy Hattenhauer recapped her attendance at the National NHD stakeholders meeting in Denver, CO.

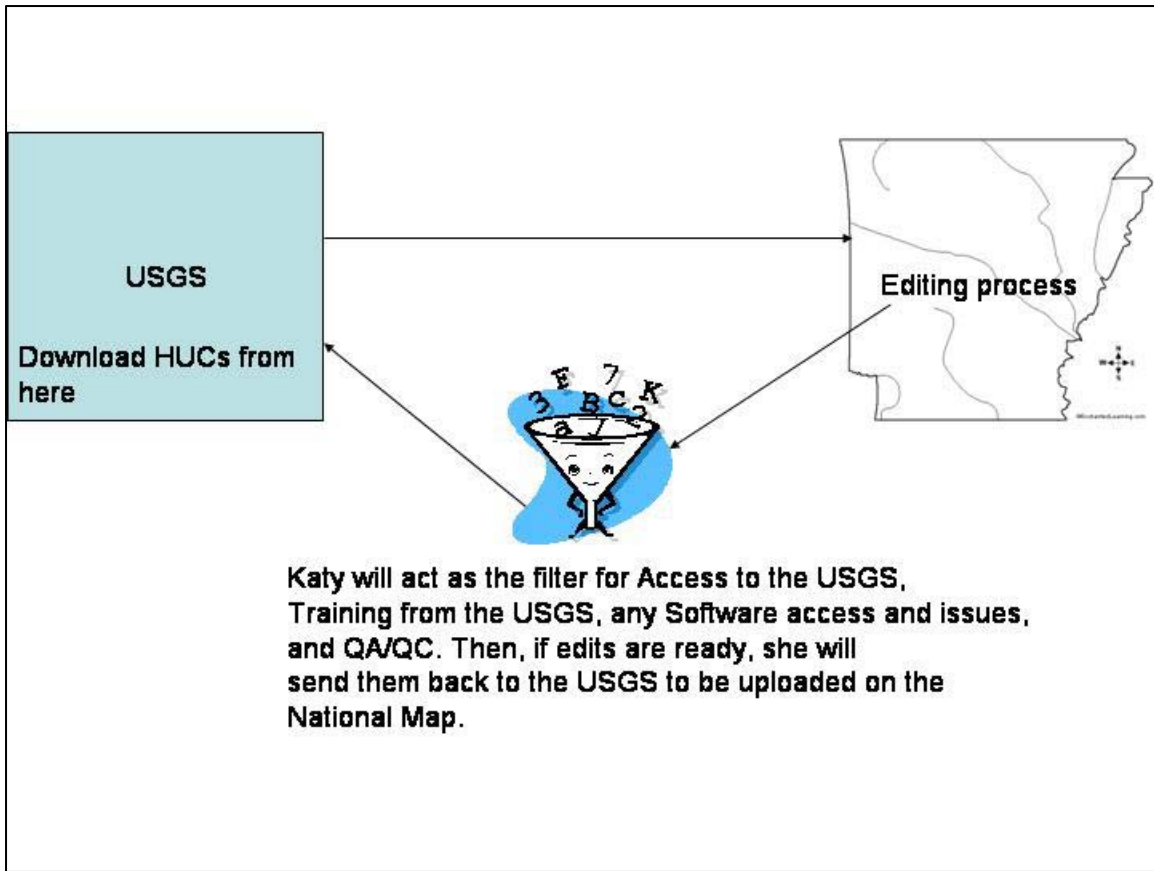
<ftp://nhdftp.usgs.gov> This site stores all NHD documentation. The most important document for NHD frontline stewards is the NHD Geodatabase Standards document. You can find and download that doc from the FTP site.

Tim Hines, AR USGS Technical POC
Carl Nelson, AR USGS Technical POC
Bill Sneed, AR USGS Liaison

NHD GeoEdit Tool does not allow naming. USGS is working on this.

Arkansas NHD Workflow

The diagram on the following page outlines the proposed workflow for NHD stewardship in Arkansas.



NHD Features

Springs – The NHD-TWG recommends springs be added to NHD. Process and workflow for addition of springs to be developed.

Ponds – The NHD-TWG struggled with this feature. Initial recommendation is to add all ponds exceeding two acres in size with exceptions.

Shorelines – At this time the technical committee does not recommend Arkansas naming shorelines due to the state's interior location within the continent. This appears to be a coastal states issue.

Dams – USGS prefers incorporation of dams exceeding 2,400 ft per acre. ANRC Dam Safety division created and maintains a dam feature class of permitted dams. These include all high hazard dams and dams over 25 feet in height.
<http://www.geostor.arkansas.gov/Portal/DiscoveryServlet?command=viewmetadata&outside='true'&uuid={147A9AE5-8F7B-46E5-978D-737B82726037}>

The data is spatially accurate in some areas and not accurate in other areas. The division recently acquired precision grade GPS equipment. High hazard dams (those protecting

structures) are inspected annually. All other permitted dams are to be inspected once every 3 years. It is anticipated that in 3 to 5 years the spatial accuracy of the dams will improve dramatically. The NHD-TWG recommends dams be added into NHD when accurate. Accuracy based upon visual comparison with the latest vintage of statewide digital orthoimagery.

NHD GeoEdit Training

Tentatively planning to schedule this training in June or August of 2008. This training will be available in Arkansas for frontline stewards. Training is required for all front line stewards.

NHD Coordination

AGIO will host an NHD web-site

http://www.gis.arkansas.gov/Programs/Programs_current/NHD_index.htm

Once stewards get started with the editing process, Katy will begin maintaining a status map to post on the NHD coordination website listed above.

NHD Research Activities

Stream order classification. Bart Dudley will research the feasibility of mass editing NHD for stream order attributes using existing AHTD data. The concept would be to use a spatial join to calculate attributes of major streams in AHTD data to the NHD data. Test results to be presented at the next meeting.

Stream Name Research. Katy Hattenhauer will research the feasibility of finding additional stream names from the AHTD bridge database. AHTD bridge database contains an attribute for the stream name the bridge is crossing. Robert Fuhler believes there is a very good chance this allow stewards to add more names where they are unnamed in NHD. Katy will research in the pilot project area. Katy will also check on options to include "Primary Name" and "Alternate Name" in the dataset (we had discussed adding a column, if possible, and/or adding a Comment column to the dataset).