

Black Hills Digital Mapping Association – Membership Meeting Minutes 7/19/05

8:30 AM – 4:00 PM

Rapid City/School Administration Center
300 Sixth Street, Rapid City, SD

- Mayor Jim Shaw welcomed the group and discussed the role of technology in the economic development of Rapid City.
- Steve Daw, South Dakota GIS Coordinator, spoke on his vision of where GIS is going at the state level.
 - Presently, the state is upgrading GIS software and hardware.
 - An executive order from the governor is in draft form, commissioning the geospatial state advisory group (GSAG). This will be a multi-entity group designed to break down barriers between state agencies, local government, federal government, tribes, citizens, etc. Goals for the group are to foster communication and sharing, create standards, leverage resources, and create, update, and distribute GIS data.
 - There will be a GSAG meeting on August 11, 2005 from 1:30-3:00 pm, DOT Communication Room, Becker-Hansen Building, Pierre, SD. All are invited.
 - There is a new state GIS message board at <http://www.state.sd.us/gis/wwf/forum/default.asp>
 - Steve is working on promoting GIS Day in November at the state level. He is also working on organizing a GIS Day during the state legislature.
- Ron Wencl, USGS Geospatial Liaison for MN, ND, and SD, USGS National Geospatial Programs Office
 - The Geospatial Programs Office was established August 2004 with the purpose of providing leadership to place geographic knowledge at the fingertips of the nation.
 - Ron also spoke about the Geospatial One Stop website (www.geodata.gov).
- Dave Muck and Linda Foster – GIS Applied to Land Use Planning
 - Linda works for Rapid City as a Future Land Use Planner and Dave is an engineer at Ferber Engineering.
 - Linda and Dave discussed the Metropolitan Planning Organization (MPO), which includes 16 neighborhoods and Box Elder.
 - Future land use plans began in the early 1990's, using 1990 census data. Early digital data was in AutoCAD and databases were not geocoded.
 - The end goal for GIS and future land use planning is to reach full digital data analysis capabilities for planning.
- Dan Falbo, ESRI, spoke on 9.1 system architecture, 9.2 system architecture, homeland security, and the idea of open source versus interoperability.
 - ESRI focus in the Midwest now is cadastral mapping, public works applications, and homeland security.
 - Business Analyst can be used for economic development purposes, homeland security, planning.
 - 9.2 will include non-versioned editing, versioned data replication, and geodatabase archiving.

- CATS6 is a consequences assessment tool set that is free to use for disaster analysis. Need to have ArcView and Spatial Analyst to run. Using the program, you can do chemical dispersion modeling and model explosions (IEDs).
 - ESRI is compliant for all OGC standards. Open source is different than interoperability. ESRI strives to have interoperability among its products and with competing products.
- Jenny Sorensen, BullBerry Systems, Inc. – A GIS Approach to All-Hazards Preparedness for Local Governments
 - Jenny discussed how all local government organizations can support GIS for homeland security and what the critical data layers are for a homeland security GIS.
 - GIS creates a common operating picture so that data can be readily shared between levels of government and within local government.
 - All-hazards preparedness means that how you prepare for one disaster is the same as for any other disaster. GIS is important to all-hazards preparedness because it can be used as a planning tool for emergency scenarios, it provides a common operating picture, it is a visual information dissemination and analysis tool, and it can be used in conjunction with training exercises.
 - Homeland Security Presidential Directive 8 established the National Preparedness Goal and other national initiatives like capabilities-based planning tools, including national emergency scenarios and tasks and capabilities needed to respond to the scenarios.
 - To apply GIS to local emergency scenarios, follow the basic steps of a GIS assessment, but gear the planning toward homeland security. Develop a list of possible local disaster scenarios, identify a GIS solution for each, outline a data development strategy, and develop a GIS implementation plan.
- After lunch, a board meeting was held during the membership meeting and all members were invited to attend. The new board was introduced, and announcements were made that the organization is now incorporated as a SD non-profit corporation, a bank account has been established, and the group now has an employer identification number (EIN). The treasurer's report was given and the account balance is \$17.23. The organization filed a grant application with NSDI on June 16th for funding to offer a two-day membership meeting next spring. The board approved the establishment of a website for the association and Tim Cowman volunteered to maintain the site.
- Kevin Wegenke – Online data from the Natural Resources Conservation Service
 - Discussed online data from the US NRCS.
 - NAIP is a cooperative effort between FSA and NRCS. NRCS soil products include NATSGO, STATSGO, and SSURGO.
 - On geodata.gov, you can get to the USDA geospatial gateway, where the NRCS data is online
 - In August 2005, the NRCS will have a soil survey online, where you will be able to look at soils and their properties on a base map. You will be able to print off a report in .pdf format. The web site will be www.websoilsurvey.nrcs.usda.gov
- Mack McGillivray – Web Services of the SD DENR Oil and Gas Section
 - Mack spoke on where natural gas is located in South Dakota, how much is produced, and what the market is now.

- Mack has worked hard to convert data on mylar overlays to digital data since 1998. Oil well maps can be downloaded from the state web site. You can also order paper maps. The well info database online has search capabilities.
- Mary O'Neill and Karen Zanter – AmericaView/SDView
 - Karen Zanter, EROS, spoke on AmericaView, and Mary O'Neill, SDSU, spoke on SDView.
 - AmericaView uses Landsat data. The website is americaview.org. The website for SD View is www.sdview.sdstate.edu.
 - AmericaView was started in the late 1990's as a national consortium. Twenty states are involved now.
 - There is a globalization visualization tool on <http://glovis.usgs.gov/>
 - The next AmericaView meeting is September 20-22, 2005 in Laramie, WY
 - SDView is composed of SDSU, SD Space Grant Consortium, and the SD Center for Biocomplexity Studies. You can make Landsat data donations to SDView (contact Mary). You can get a 20 percent discount on Landsat data if you go through SDView.
- Two vendor display and poster sessions were offered during the meeting. Vendors included Horizons, Inc., Frontier Precision, and Maribeth Price of SDSM&T.