Minutes of the
Arizona Geographic Information Council
Data Committee
March 24, 2010
Arizona State Land Department Building

<u>Attendees:</u>

Keith Larson, USDA
Gene Trobia, SCO
Jana Hutchins, ASU
Tim Colman, SCO
Dave Minkel

<u>Committee Members via Teleconference:</u>

Sharon Nicholson
Ray Brunner
Steve Whitney
Scott Edwards
Adam Iten
Gary Kennedy
Wes Korteum
Howard Ward
Kevin Blake
Candace Bogart
Nicole Brown
Ryan Clark
Steve Whitney

The meeting was called to order at 10:00 am.

<u>2010 NAIP Update - Tom Sturm, Keith Larson, and Gene Trobia</u>

The primary outstanding issue regarding the 2010 Arizona NAIP project is whether NRCS and FS will work to fund a 4th band buy-up. Keith Larson sent a letter of intent forward to the NRCS national office that described the amount of partnership funding that has been raised through regional Federal offices. His understanding is that the Washington DC staff of FS, NRCS, and FSA (manager of NAIP) will be meeting next week to decide what states they will fund for 4th band buy-ups in 2010. Keith thinks that there is a good chance that they will go ahead and commit the remaining funds needed for Arizona but this is not a 100% certainty. We'll have to see what happens next week.

The committee also discussed a response that Gene and Tom are putting together a response to a letter that was written by Michael Dennis on behalf of SAGA members stating their interest in 1/2 meter resolution data and denser control for

use in the production of the NAIP imagery. The response letter and Michael Dennis' letter will be made available to committee members.

Dave Minkel asked if there was a potential for 1/2-meter resolution imagery to be incorporated into the NAIP program. Tom Sturm replied that there has been general discussion on this topic but no specific action.

Gene brought up Microsoft's and Digital Globe's plan to cover the US (lower 48) with 1-ft imagery in the next 2 and 1/2 years under a program they are calling Clear 30. Tom mentioned that DOD is very interested in this and could potentially provide enough funds to support the program. If they do so it would impact USGS' long-term program of working with regional groups like PAG and the Flood Control District of Maricopa County on imagery acquisition projects

Earth Fissures Web Viewer - Jana Hutchins

Jana reported that the site hosted at ASU is now shut down and traffic is redirected to AGS. They will be hosting it and AGS will likely seek statutory changes to be the authorized support for this site. Victor said he had logged into the site, is using the service at ADEQ and said it works well.

Arizona Imagery Server - Jana, Gene, and Candace

Jana reported on a white paper she developed with a small workgroup and noted that there are multiple imagery servers available for use through browsers or as services. The AZ Imagery Server is different because individual AZ GIS users can customize it for use. The white paper describing existing imagery services and comparing the advantages and disadvantages was distributed with the meeting announcement. Tom Sturm commented that the paper should also include services available from the USGS. He will provide information (and links) on the services to Jana and other committee members.

Dave Wilson said Maricopa and Cochise counties are missing from the current server. Jana will check and get back with them.   One reason for producing the white paper was to help with a decision on whether to continue funding the AZ Imagery Server at ASU. For the short term this will not be an issue. Gene reported that ASLD uses the Imagery Server for its internal parcel application, so it will continue to fund the Imagery Server. When 2010 NAIP Imagery has been acquired this will have to be re-evaluated because of the anticipated costs of making this imagery available through the service. Eric asked if anyone was doing history (multiple vintages of imagery). Victor replied that DEQ hosts archival imagery and that we need to work out redundant nodes to make sure we can get to imagery when one server goes out. USGS also has some limited functionality for this. The committee will also be getting information from Candace on the Forest Service imagery server that is housed at their service center in Salt Lake City.

AZ3D - Eric Thomas

Eric Thomas, AZ3D Project Manager, gave an update on the project and gave some background on who is currently involved in this effort. AZ3D is an application being developed for the Arizona first responder/emergency manager community. A developmental server is installed at the Dept. of Administration and they have a target to demonstrate a pilot by June/July. The lead team meets once a week (ASU-ISSR, ASLD, and MC EOC) and is working on defining the audience and developing tools to meet their needs. A meeting with the task force will occur in two weeks to get a buy-in to the security and access plans. The AZ3D project is not in statute, it is a volunteer driven project and MOU's are how things are done. Eric is working with ADOA to host additional servers. Funding is from AZ DoHS for Phase 1 and the project is looking for additional funding for the next fiscal year(s).

Jana provided a handout of data resources that have been identified for AZ3D. The data is organized into thematic categories (transportation, water resources, utilities, etc.). A service will be available for each category. She is looking for feedback on the layers – are they appropriate and what is the best source for the data. Victor talked about flood control data sources and Tom suggested sources for stream gauges. We will check to see if counties are maintaining stream gauge data and if they can be accessed or broadcast data. The list of data is not just what is needed, but mostly is what is being used by AZ3D. These data will be used for services on the application. The committee will check on whether fissures can be provided for use in AZ3D

Clearinghouse - Gene, Jana

The committee discussed the role of the committee in providing oversight and developing a work plan for the clearinghouse implementation that leverages the work of the AZ3D, Broadband, and Renewable Energy projects. To do this the Committee decided to form a Clearinghouse Working Group. A clearinghouse development work plan was discussed with the following points:

Are there pieces that are easy to start with? Such as figuring out who has LiDAR data (hopefully from the GIS Inventory), determining access issues (is it sharable and under what conditions?), storage requirements (size and format), metadata, etc. This effort may be used as a prototype that will help us address some of the broader issues we will need to deal with for clearinghouse development.

It was noted the AZ3D data list might be a good start to developing a clearinghouse. Victor suggested that we develop a clearinghouse whitepaper, the same as we did for the Imagery server. Setting up a server will involve identifying who will manage the server and how will it be maintained.

A general discussion followed with the following comments:

We need to look at how existing state clearinghouses are being set up and look at what a clearinghouse server can link to, we may be able to integrate a lot of existing data/services. Problems to address include who has access to what data and how much can what data be shared. Eric noted that the role based security model can be used as a way to link these different clearinghouse servers and address security and data sharing issues. Jana suggested that we develop another web application that could be the public face to data that providers are willing to share. Candace asked if data is freely available and Gene responded that there is movement in that direction, but it is not necessarily there yet.

Action Items for the Clearing house discussed:
  1. Discussion with fusion center on what types of data may be available
  2. Share broadband county data request letter with the committee
     Review individual efforts and work to coordinate separate efforts
  3. Establish a Clearinghouse Working Group made up from members from all committees.
     From this committee – Victor, Jana, Gene, Eric, Keith L
     Coordinate getting members from other committees
     Seek Champion

Committee Administrative Issues – Gene, Tom

The committee is occasionally having trouble getting a quorum for meetings and would like to trim the membership down to those folks that are regular participants. People that participate less frequently will be included in an Associate Member list. The Associate members will continue to get all committee mailings and be encouraged to participate in committee activities but will no longer be voting members. If someone is placed on the Associate Member list and wants to become a member they can do so by participating in at least two committee meetings per year. Tim Colman will be distributing draft lists of members and associate members for their review and comment.

A discussion on renaming the Data Committee was tabled.

Additional Business

Tony Maslowicz reported that the Forest Service compressed all the border imagery and will be available for distribution within the next couple of weeks. Jana reported that Wes and Lucas attended a Census workshop and are good sources of information regarding census data.

The meeting was adjourned at 12:00 pm.