

**Meeting Description:** Michigan Geographic Framework Users Meeting

**Date:** August 4, 2005

**Time:** 10:00 a.m.

**Location:** Michigan Center for Geographic Information, George W. Romney Building, 10th Floor, Conference Room

- I. Approval of Minutes
  
- II. Geographic Framework Program
  - A. Framework Activities Update
  - B. Digital Ortho Update
  - C. NHD Update

- A. Framework Activities Update

Krisanne McConnell, Center for Geographic Information (CGI) we are working towards getting PR's (Physical Reference Numbers) posted to the rail. We haven't actually begun that yet, but are waiting on lock-down to open up. We are hoping to begin editing in the next month or so.

Everett Root (CGI) we are also working on a project with the state park roads. Michigan Department of Transportation (MDOT) has collected some GPS (Global Position Systems) lines for all the roads and state parks. We are working on standards and procedures necessary to incorporate in an application for the Michigan Department Natural Resources (MDNR) to look at. They will have park managers update road names and other information that they collected on those. The Version 5 shape files aren't posted yet. We are working on Metadata and they will be put up soon.

The MDNR project has begun collecting for Asset Management data. They had a team of staff collect information about their buildings and other structures. The roads were a natural addition to that. So, they came to MDOT with that information. They drove a lot of them last fall and finished up this spring. And they also did boating access sites.

- B. Digital Ortho Update

Everett (CGI) - Ann is not here from SEMCOG (Southeast Michigan Council of Government) we got a strip from their flight, a couple hundred images, but it is not a very large space and the leaves are on the trees.

Trevor Floyd (St. Clair Co) there is a meeting coming up to discuss things. There were two different flights. The image that has fewer leaves on it was from an earlier flight.

Bob Carra (Genesee County) we are working with Pictometry and Sandborn to develop our Ortho Imagery for next spring. We have a cost share with all of the cities and townships. We are working on getting the intergovernmental agreements back, most of them have been returned.

- C. NHD Update

Everett (CGI) we are in the process of adjusting the tools, so to speak, to work with geography and imagery. Our programmers here have helped out, but we haven't completed one as of yet. We did get additional funding for 2005. We've been working with the Department of Environmental Quality (DEQ) and what their priority of watersheds would be. They came back with a list – 1 through 8. I forwarded those to the United States Geological Survey (USGS) and they approved that list. We are going to do the 6 basins in Southeast Michigan and in addition we will do the Tittabawassee, the Thornapple, the Upper Grand, the Maple, the Lower Grand and the Cass. They have already updated the USGS Website.

### III. MDNR Projects and Updates

No Representative present

### IV. MDOT

Joyce Newell, Michigan Department of Transportation (MDOT) the counties and regions are in the process of collecting Asset Management data. We also have several other initiatives we are working on. MDOT crews will be going out shortly to GPS (Global Position Systems) intersections. We have also been looking at bridge locations. We know that originally when we put the bridges on the Framework that we had to make some best guesses based on the data we had at the time. We have more interest now from the bridge section/unit and they will be working with us to verify that those are correct. Our goal is to make a linear bridge layer. We have also been taking a look at the freeway interchanges. We will be working with our technician/safety guys that are responsible for that website to create a new application using Framework as a base. We are still working with the regions and MPO's (Metropolitan Planning Organizations) putting together the traffic count program. We will be using the Framework to define the traffic segments.

Everett (CGI) just as another note for the Asset Management collection, we created a Framework update form for them to use this year. What we have done is try to give a form for folks that are out there on the road to fill out, that will indicate errors or changes that need to be made, be it road names, intersection layouts, attributions, legal systems, any errors. There is a way to report that now

### V. MDEQ Projects and Activities

David Slayton, Michigan Department of Environmental Quality (MDEQ) nothing new to add. We are working on some data sets for the operation center.

### VI. MSP Projects and Activities

Eric Nischan, Michigan State Police (MSP) introduces Kristi Wilton, GIS Specialist with MSP. We have been doing a lot of work with E-team, which uses the Framework/GIS management system. It is a web based emergency and incident management system. It uses the Framework as a backdrop. There is a mapping application as part of that. It is a

very basic interface. It has proven itself fairly well when we used it during the All-star game. We do have an upcoming GPS Emergency Management Mass Casualty event on August 18, 2005.

Everett (CGI) we also did get a request for the Negaunee dispatch in the Upper Peninsula. They use Framework roads for their dispatching of officers, ambulances, and fire. Rockford Dispatch contacted us to send an updated version of the Framework. They cover trunk line roads and interstates for 6 or 7 counties on the West side of the State. In the Upper Peninsula, in addition to State troopers they dispatch county Sheriffs and local offices as well.

#### VII. MDCH Projects and Activities

No Representative Present

#### VIII. MSI Projects and Activities

Charles Bender, Michigan State Industries (MSI) we just finished up 4 counties for MDOT. We have 10 more counties that we are working on for the Right-of-Way Project and those should be completed within the next two weeks.

#### IX. CGI Projects and Activities

Everett (CGI) our office is working on applications for MDNR, the Parks application for example. We did add two programmers that will be starting this month. So, this will be additional help for our application developing staff. Also, we are working on some precinct creation pilots for QVF (Qualified Voter File).

#### X. MSU Remote Sensing and GIS Research and Outreach Services Projects and Activities

Bill Enslin, Michigan State University (MSU) we have been working on the groundwater-mapping project mandated by the Legislature Public Act 148. It is a partnership between MDEQ, USGS (United States Geological Survey), and MSU to put together a set of maps that would be useful in evaluating areas that conflict for high capacity water pumping facilities. There will be a final report for that project coming out today in Saginaw. You can find the website on the MSU website for general groundwater mapping @ <http://gwmap.rsgis.msu.edu>. It has documents that were collected about groundwater, pictorials and the water cycle and documents that relate to groundwater sampling. Then there is an ARC IMS viewer that is accessible from that site. There are about 20 new data sets that were put together dealing with water levels, recharge, stream flows, and conflict areas. This will eventually become a part of the CGI down load site.

The next item is training. We are putting together a fall session and there is a series of workshops.

Introduction to GPS – September 16, 2005

Technical Workshops – ArcGIS – October 3-7, 2005

TechWeek – October 31- November 4, 2005 (10 1/2 day sessions)

Aerial Imagery Interpretation – November 29 – December 1, 2005

Tomorrow there will be discussion at the IMAGIN board meeting. One of the topics is on where IMAGIN members will get a 10% discount for the ArcGIS classes.

All of these classes will be held at our new location. We are moving the week of August 22<sup>nd</sup>. We are moving into the old Psychology Center Building and it has been renamed The Geography Building. We are located on the 2<sup>nd</sup> floor. Here is our new address:

Remote Sensing & GIS

Research and Outreach Services

Geography Building – 2<sup>nd</sup> Floor

Michigan State University

East Lansing, MI 48824

Kathleen Weessies (MSU) I have brought a guest, Franciyne Johnson, a student at MSU, she is seeking an internship in a GIS related field for next semester.

#### XI. County/Local Projects and Activities

Trevor Floyd, St. Clair County, our inventory of the all of the school buildings has been completed. Staff went around and took inside and outside pictures of the buildings- all of the shut-offs, the emergency egress information, and the electric and gas. That information has been entered into the system. We are trying to create an IMS application on a secure site, so those with Internet access can go in and pull those images. There is a paper product that we have handed out to all of the schools. We are planning on doing our county buildings next.

Sharon Vanderbout, Kent County, as a member of REGIS (Regional Geographic Information Systems) our biggest responsibility at this point is to provide updated parcel data, county wide to REGIS and the other GIS communities. We have just finished the parcel data model for ourselves. We have been working on it for about a year. It is out there for other counties to use. We are also filling in some other grant obligations through Homeland security. Our county sheriff's department is getting up to speed on the new E-Team and CATS (Consequence Analysis Tools). We will be integrating E-Team and CATS along with some of our local base data and sending out that information.

Valdis Kalnins (Allegan County) – Allegan County has become a pilot for the QVF (Qualified Voter File) map and pursuing that, we took a township and generated a QVF index from the Framework roads for that township. Then we matched those voters using that index. In the first pass through, we got about a 50% match. We found about 40 road names that weren't in Framework or QVF index. We added those names and submitted them through GIS into Framework. So, they should be in the process of being incorporated. We found that of the mismatches, about 80% were missing from Framework and about 20% were missing from Qualified Voter File index itself. That should be progressing well. The next step is once we get all of the road names matched, we will start on the address ranges. Then after that will be the election geography and zip

codes. Also FEMA (Federal Emergency Management Agency) was in town for a county scoping meeting. They are in the process of updating their National Flood Plain Maps. Allegan County is included in their next cycle. What is unique for us is that we are trying to take a more active role in doing some of the mapping ourselves, instead of hiring a consultant. One of the benefits is to help us to deal with the budget crunch for next year. We had a wildfire in one of the townships that burned off about 44 acres. What was good was that they were able to get a plane up in the air and took some oblique sideways aerial photography. We were able to get our hands on that and geo-reference it to our Ortho's, resample it and overlay it. Then in about an hour they were in the process of GPS'ing (Global Position System) the perimeter. We haven't got the GPS points from the MDNR yet. Another project for the fall is researching options for accessibility. There are a lot of local units that are interested in GIS now. We don't have the budget to do ArcIMS or even the Map info equivalent. So, we are looking at various options – free browsers to some kind of web application. The last thing is that notices went out for membership registration for the MICamp Conferences, September 22<sup>nd</sup> –23<sup>rd</sup>, 2005.

Rosemary Anger (Barry County) just completed our 2004 Hydrography Update. That will lead into a number of projects. We have a proposed 319 district on our largest watershed. We are in the bid for the FEMA modernization, also the NHD (National Hydrologic Data) modernization. One of our local Institutes is pursuing grant funding to obtain satellite imagery. We received money from the State for our ortho imagery update in the partnership program and the county board approved the purchase of TNT Nips for us to use. It allows us to do image manipulation and for routing for Fire Department's quickest response time. And the last item is that our 911 board with a vote of 8 to 1 approved AVL (Automatic Vehicle Locators) in all of our dispatchable vehicles.

Bob Carra (Genesee County) we just got our ArcIMS up and running last week. We are doing some test applications. The first one will be the emergency management Homeland Security application. We had our first FEMA flood plain meeting. We met with FEMA and some of the local governments and there is definitely some interest there. We have historical aerial photos that go back to the 60's. So, we are looking at putting those into a digital format and then eventually over time ortho rectify it. Our CORS (Continuous Operating Reference Stations) base stations are operational now. We installed two this year. We will be hiring a GIS Analyst. We are posting for the new position within the next month and are hoping to hire that individual by this fall.

## XII. Regional Projects and Activities

Dan Dillinger, Tri-County Regional Planning Commission (TCRPC) we received our pilot area and our elevation model is matching up nicely. We overlaid parcel data in Delta Twp and it matched up. Ingham counties data didn't match up as well. Our three counties have also met with FEMA.

Steve Stepek, West Michigan Regional Planning Commission (WMRPC) our project for the next month is asset management. I am really thankful for the update forms. The counties are really appreciative of having an easy way of updating information.

Question asked regarding how long it takes to cover a county? It depends; on the average it is about 20 miles an hour. We did Mecosta County in about 15 hours. These are the Federal aid roads. They eliminated doing gravel roads this year. Of course there is a big difference in doing rural counties and urban counties. It would probably take about two weeks to complete the City of Grand Rapids.

#### XIII. Federal Projects and Activities

No Representative Present

#### XIV. Other Issues

Bruce D'Autremont, Digital Data Technologies, Inc. (DDTI) we are under contract to maintain Mecosta and Osceola Counties' data. Those updates were entered into Version 5 of the Framework. Any new data would be reflected in version 6 coming out in 2006. We have a meeting coming up in September for maintenance of 911.

Jason Heywood, Air-Land Surveys – we have training going on this afternoon with about 20 people attending from Ingham, Clinton and Eaton Counties.

Everett (CGI) there is a 2005 NAIP Imagery Status map available online.  
[http://www.apfo.usda.gov/NAIP05\\_Acquisition.htm](http://www.apfo.usda.gov/NAIP05_Acquisition.htm)

#### XV. Next Meeting Date

September 1, 10 a.m. until 12 p.m., Michigan Center for Geographic Information, George W. Romney Building, 111 S. Capitol, 10<sup>th</sup> Floor, Lansing, MI 48933