

Meeting Description: Michigan Geographic Framework Users Meeting

Date: November 3, 2005

Time: 10:00 a.m.

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

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

Krisanne McConnell, Center for Geographic Information (CGI) we are still working on rail referencing. We are about ½ done with the state on that. We are working on the state parks – clean up. We are working to get those into Version 6. We are also doing the ACT 51 certification for 2004. We are continuing to work with Allegan County and we're doing some road adds for Genesee County.

Everett Root (CGI) we have a work plan for Version 6 this year. It is pretty well documented if anyone has questions. We have had to better refine our goals and intensions for each version because of the volume of work that can be done and the available resources that we have. We are in the process of getting updates that we will be putting in Version 7. We have some counties that have offered their centerlines to update the Framework and we've got some 911 applications in the UP (Upper Peninsula) that will be forwarding information. The rail PR (Physical Reference numbers) referencing is a new project for us this year. We are about ½ way through being completed and we are, being supported by MDOT (Michigan Department of Transportation) staff as well for specific issues. The rail update will be in Version 6. Version 5 is on the web site.

B. Digital Ortho Update

Everett (CGI) just as a review the State of Michigan has initiated a partnership program with local units of government to partner on aerial imagery. There is a large amount of information on our web site at: www.michigan.gov/cgi. It is an attempt by the state to acquire statewide imagery over a period of years. There is a status map that shows some counties and areas that have flown. Partnerships have been initiated with many counties. Part of that partnership is that the state will get a set of imagery, which will have a variety of uses and restrictions.

New Activities – discussions with Kalamazoo and Ottawa counties to acquire their imagery and an agreement with Cheboygan County to get their imagery for 2004. So, that will be become available. We are also in discussion with Kent County for 2003 imagery. As far as in house processing of this, we have reprojected all of the Allegan and Barry County imagery from state plane into Michigan Georef. Next step is to load Allegan County imagery into SDE (Spatial Database Engine) and make it available to staff in house and begin testing of how we can make it available to state agencies. We are looking for a potential total solution for imagery where by an image comes in from a

local unit of government, via partnership. It is reprojected and it is made available in its 6-inch pixel size to the appropriate agencies, it's resampled to a 2-foot pixel size image and that then would be made available to the public.

One other aerial imagery project in the state is the NAIP (National Agriculture Inventory Program). I understand the flight was completed according to the status map. Imagery has started to come in. Bob Goodwin at Michigan State University (MSU) and staff are reviewing it and compressed MrSID mosaics will become available to partners.

C. NHD Update

Everett (CGI) we are processing the National Hydrologic Data (NHD) data set for Michigan. We are going to be working on a dozen watersheds in the Lower Peninsula. I went through some training and learned the tools to take the 1 – 100,000 NHD reach codes to 1 – 24,000 Michigan Geographic Framework hydrology features. I trained two additional staff in the office as well. Ottawa/Stony watershed in southeast Michigan has been completed and sent to Rolla, Missouri for quality control. The Flint, the Clinton, and the Huron watersheds are in process with the Detroit and Shiawassee Rivers next in line to do. There is a group of six additional watersheds to be processed after these are done.

III. MDNR Projects and Activities

No representative present.

IV. MDOT Projects and Activities

Joyce Newell, Michigan Department of Transportation (MDOT) we have staff out this week to an Asset Management Workshop in Kansas City, Missouri. We spent two days up in St. Ignace with the planning regions in the UP (Upper Peninsula) on developing a traffic segmentation for our local traffic count program HPMS (Highway Performance Monitoring System) data reporting. Next week, we have the big meeting in Lansing with all the rest of the planning regions and MPO's (Metropolitan Planning Organizations). We had staff that completed the ground truthing intersection centers in Wexford County. We will continue to do some ground truthing as we have a slack period of time. Our Asset Management data collection for this year is on target for this year.

V. MDEQ Projects and Activities

David Slayton, Michigan Department of Environmental Quality (MDEQ) nothing new to report. Our GIS committee is meeting regularly and we have formed a new IT Committee to help prioritize the major projects that are required with help from CGI. That is just getting off the ground.

VI. MSP Projects and Activities

No representative present.

Everett (CGI) just for informational purposes – Framework is the road base for 911-dispatch center in Negaunee, MI. for the Upper Peninsula (UP). All of the state troopers in the UP are dispatched out of Negaunee. They have a caller dispatch center that does have a mapping component now. They locate cell phone calls for all of the UP and about ½ of the counties use their dispatch for local law enforcement, fire and ambulance.

VII. MDCH Projects and Activities

No representative present.

VIII. MSI Projects and Activities

No representative present.

IX. CGI Projects and Activities

A. New Applications

Everett (CGI) just for background information, CGI is divided up into 3 sections – Infrastructure Support Group who manage our servers, data and desktops; the Geo-Data side of the office who do the day-to-day work on the Framework and we also have an Application Group who do a wide variety of Internet applications and database applications for state agencies and some in-house work. So, what we have put under here is any new web applications that might be coming out we will try to bring them up each month. In December, there is an underground storage tank application for MDEQ that is going to be Beta tested in the coming weeks. It will go public and show all of the underground storage tanks within the state. It will have information on – open tanks, closed tanks, leaking tanks and shows the chemicals that have been found around the tanks. So, it shows a lot of data.

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

Kathleen Weessies, Michigan State University (MSU) not anything new at this time, but I do have a question, someone in the community wanted to know where all of the dams are in Michigan.

Everett (CGI) it is not a part of Framework, but it is my understanding that there is a dam database with location information. MDEQ is the keeper of that.

Dave Slayton, Michigan Department of Environmental Quality (MDEQ) you can go to www.michigan.gov/deq and click on water bureau on the left and there are about 6000 choices. It's like a department within itself.

Everett (CGI) we are looking at the dam sites as a possible inclusion for NHD (National Hydrologic Data) database. There is a potential for the NHD to hold point features and that would be one of the features we could put in.

XI. County/Local projects and Activities

James Munro, St. Clair County – with our 911 dispatches we decided to go to a point based addressing, so we added an extra intern on in the car with the PASER (Pavement Surface Evaluation and Rating) project. She was collecting address points on the driveways. We didn't get all of them, but it is something to start with. Also, our emergency management is trying to collect shelter information. We want to identify things about the shelter – what kind of heat they have? Is it gas or electric? How many meals they can provide? So, if we have to put people together in an emergency, will we be able to provide for them.

Valdis Kalnins, Allegan County, our central dispatch went to mapping last week We have been trying to give them the roads layer and have been working out all of the details. Their mapping software is difficult to use. We have been cleaning up the Qualified Voter File (QVF). We are on our 3rd township to clean up the centerline. We have pretty much all of our QVF, the centerlines and address points matching. Once we have a regional area done that encompasses an entire zip code, then we should be able to bring in the US Postal Service zip + 4 file, match up those road names and asked them to bring everything into alignment.

We also sent someone from our GIS Office to Roadsoft Training in Grand Rapids, MI. We are looking at how to get attributes back and forth between ArcGIS layer and Roadsoft and figured out who is going to maintain what attribute between the Road Commission and us. It turns out that the Southwest Michigan Regional Planning Commission (SWMRPC) was trying to get some pavement information for all of the roads in Southwest Michigan for the non-motorized planning and we were the only county that has that information in a GIS format.

We had a workshop for local units of government, mostly for their planners, to demonstrate GIS and what it is. And we're looking at using Digital Data Technologies, Inc. (DDTI) AccuGlobe, as a stand-alone product. We could have 50 more users by the end of the year, so we don't know what challenges that will present. AccuGlobe is a free GIS browser from DDTI. They mostly do 911 mapping of the road centerlines. They have their own dispatch mapping software and it can handle shape files.

Everett (CGI) just for everyone's information, Roadsoft is a free software product that is available to any Government Agency. It is the major software products used for Asset Management Road Condition Data Collections.

XII. Regional Projects and Activities

Steve Stepek, West Michigan Regional Planning Commission (WMRPC) we just got our work plan for the Grand Region non- motorized map that we will be doing for a bike map. It will take a few months.

XIII. Federal Projects and Activities

Julie White, United States Census Bureau - tomorrow is our kick-off for the State of Michigan 2010 Redistricting Program. This is where the States have the opportunity to delineate the State's Legislative districts and voting districts. This meeting will also involve Republican and Democratic Caucuses.

Charlie Hickman, United States Geological Survey (USGS) - our fiscal year ended at the end of September and we had some end of the year money that we were able to get to the Michigan Ortho program and also the NHD Program. That is the good news. The bad news is that it looks bleak for 2006. We are trying to look at how we can still stay involved. For the NHD we will look to USEP money or Michigan Department of Environmental Quality for additional money. For Orthos, there is a program that some of the states are talking about now under the National States Geographic Information Council (NSGIC) and it is called Imagery for the Nation. It is a 4-page handout on line at the NSGIC site. This will start in 2007 and the Federal Government would cover the cost for a 5-year cycle Imagery Program for the country. Then the states, regions and counties would build from that and be responsible for the other Framework layers. That is an \$80,000,000 program per year.

One other thing for funding, that we haven't done in Michigan recently is that there is smaller amounts of funding under the National Spatial Data Infrastructure (NSDI) Competitive Cooperative Agreement Program (CCAP) that information should be out in December and it closes in February. The categories for that include: metadata training and outreach, Framework Development with inner operability web feature services, funds to help states develop their strategies and business plans, U.S. /Canada projects and Geographic Framework development. I got a call from someone who works with the Department of Justice, and they are interested in better imagery along the US/Canadian border. They had an interest in the Detroit area. Ontario is going to fly next spring and SEMCOG flew last spring, so they were looking at some funding from USGS to see if they could merge the data to get some good imagery along the border for law enforcement purposes.

We are trying to put USGS geography and mapping liaison in Lansing, Michigan. We are doing interviews in the next couple of weeks. So when that happens I will introduce the new person to the group.

There is also an ESRI Conference coming up on November 17, 2005 (this will be a user conference re-cap) at the Library of Michigan. There have been some problems with their software and Michigan georef.

Steve Aichele (USGS) we are still filtering groundwater map data to the CGI Spatial Data library. We did a groundwater resources inventory map as part of a Legislative project. Basically the goal was to identify yields, base flow and rates for streams, there were 8 different components. We worked with MDEQ and MSU to put that together. That is an interactive web site: gwmap.rsgis@msu.edu. We are also finalizing a protocol we developed to do updates to the National Wetlands Inventory. This will be available in January. We are just starting a US Great lakes wide flow models to estimate stream flow characteristics in every reach in the 1-100 KNHD. Last, is the IMAGI N (Improving

Michigan's Access to Geographic Information) Student Paper Competition on November 30, 2005 here in Lansing, Michigan.

XIV. Other Issues

Helen Enander, MDNR with MNFI (Michigan Natural Features Inventory) we have been Beta testing Arcpad 7 software. The final Beta release came out today and it works with Michigan Georef. We are working on a 2nd year bio diversity atlas for Michigan. The aquatic portion will be this year and the terrestrial portion will be complete by this calendar year. This will be a digital product. There will be a lot of data sets produced such as natural vegetation covers and patch sizes. Also, areas of high rarity index, such as rare species. These will be up on the MNFI web site toward the end of the year. Dave Rigney, National Geodetic Survey (NGS) in the Metro region for MDOT, we are performing a Height Modernization Survey. The survey is to bring all of the elevations up through out the 4-county area (St. Clair, Macomb, Oakland and Wayne). We are going to set about 400 new monuments in this area. We will run levels through them and do some updating through GPS (Global Position System) for positional information. John Spencer, Michigan Department of Management and Budget (MDMB) we are doing surveys for Department of Corrections and MDCH that don't have surveyors. We get calls from the Governor's office asking how much land we have that isn't being used: vacant land, buildings, parking lots and grass areas in the downtown area. There is a Statewide Land Database group that collects that information.

Doug Von Koenig, Tele Atlas, I just joined Tele Atlas about 3 weeks ago. Prior to that I ran the team that was responsible for State of Michigan and Dell relationships. We are based in Michigan. We are based on centerline accuracy, address attributes and a lot of routing applications. Would just like to make the company available to anyone. You can reach me at (269) 429-6407. I am based in the St. Joseph, Michigan area.

XV. Next Meeting Date

December 1, 2005 10 a.m. until 12 p.m., Michigan Center for Geographic Information, George W. Romney Building, 111 S. Capitol, 10th Floor, Lansing, MI 48933