

Meeting Description: Michigan Geographic Framework Users Meeting

Date: December 1, 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 and Update
 - B. Digital Ortho Update
 - C. NHD Update
 - D. Conferences Update

A. Framework Activities and Update

Krisanne McConnell, Center for Geographic Information (CGI) we are wrapping up the posting of PR numbers on all active rail features in Framework. The active rail referencing will be released as part of Version 6. Recently, CGI met with the MDNR (Michigan Department of Natural Resources) and MDOT (Michigan Department of Transportation) to discuss the referencing of the Rails to Trails network – this will be discussed in more detail as the Version 7 work year approaches. We are continually making ACT51 certification changes to the Framework. There are just three months left before lockdown, so we are very busy wrapping up these and other edits.

Rob Surber (CGI) update on our platform migration – we met with a consultant who will be doing an assessment on the new editing environment. He will make recommendations before a formal announcement is made.

B. Digital Ortho Update

Rob Surber (CGI) – (passed out map of State of Michigan – highlighting different counties that are on the web site) we are working with many of these counties on our Ortho Imagery Program. If this is not correct, please let us know. They are at various stages along the way. We do try to keep this up to date on our web site. Whatever counties we do not partner with at the local level, we will contract to have done at the state program. We will fly at about a 1-foot or 2-foot pixel product statewide.

David Gerczak, United States Army Corps of Engineers – one of the reasons I came today is to present our Sec 22, Planning Assistance to States Program through the U.S. Army Corps of Engineers. Counties could achieve their countywide mapping on a 50-50% cost share. For more information, you can go to our web page at: <http://www.Ire.usace.army.mil/who/planningassistance/>. We are finishing up Grand Traverse now. We do about two counties a year and currently we are looking at 2007 work. We send in our budget request in the August/September time frame for the next year.

I work with Martin Jannereth, Michigan Department of Environmental Quality (MDEQ) and he prioritizes in the state what PAS programs go forth and we are also cognizant of what Congressional and Federal interests are at the time. They can name projects in a Bill for us to go forth with. We also work with Indian tribes, which are considered their own territory or state. Usually our budget allows for \$500,000 to work on a project. Indian tribes get the whole \$500,000.

Rob (CGI) if we get information from counties that are interested, and if you could let us know who is inquiring then we could keep the communication lines opened that would be helpful.

Ann Burns, Southeast Michigan Council of Governments (SEMCOG) we are working with the vendor to start taking delivery of the 6-inch resolution for the counties to start QC-ing (Quality Control) -starting today. The way we have the QC set up is once the county takes delivery of their very last tile, they have 30 days to QC it. Then they have their shape file sent to the vendor and the vendor has 45 days to make corrections and get the corrected tiles back to the counties. Then once everyone agrees on what they have, they'll start redelivering the final 6-inch. Then creating the other products like 1-foot resolution, the 2-foot and the community SID files.

Rob (CGI) the other project is the NAIP (National Agriculture Inventory Program).

Bill Enslin, Michigan State University (MSU) the quality control is still being wrestled with. The biggest difficulty has been with the color balancing. The contractor has agreed to go ahead with the county compressed mosaic to the partners and they'll be starting to come in January. They will be put up on a FTP (File Transfer Protocol) site arrangement for those that have partnered with it. They will be Mr SID 15-1 compression on them. Those compressed images will not have any quality control or color balancing done on them yet. It won't be until spring when the TIF's (image format) start showing up.

Charlie Hickman, United States Geological Survey (USGS) there is an initiative from NSGIC (National States Geographic Information Council) called Imagery for the Nation. They have a one or two page facts sheet on the NSGIC site. It would do National high-resolution imagery 1-foot or the 6-inch in the East, 1-meter in the West. It would probably be a 3 to 5 year cycle. The soonest it would start would be 2008.

C. NHD Update

Rob (CGI) we have the latest status map on the web site. (Handed out copies of the Michigan High Resolution NHD Processing Status). We are underway on several watersheds in Southeast Michigan. We have others planned in the center part of the state. We are using Framework. One of the key integration points that we are doing right now is the integration with hydro with the road network at all bridge locations. We are looking at doing more training in Rolla, Missouri before they close the center down.

Charlie (USGS) there is a monthly NHD newsletter that I get. Let me know if anyone one is interested and I will see that are you are added to the mailing list.

D. Conferences Update

Rob (CGI) there is two conferences coming up. There is the RDX Conference in Rochester, New York. It is a Great Lakes Consortium conference April 4-6, 2006. We will put this up on our Web site. It does cover the Great Lakes issues. This is for anyone who is interested in remote sensing. The other conference is the Michigan Asset Management Conference. It is the week after IMAGIN (Improving Michigan's Access to Geographic Information) Conference. It will be in Lansing at the Lansing Center. It will be the 2nd week of May. We will keep you apprized of the meeting.

III. MDNR Projects and Activities

No representative present.

IV. MDOT Projects and Activities

Joyce Newell, Michigan Department of Transportation (MDOT) the new PR finder (Physical Reference Numbers) Version 6 is available on the web. We have created CD's for people who need them. We are taking input for our workshop for the local traffic count program to create a traffic segment layer statewide.

We have been doing a lot of editing using Orthos and the Framework in a bridge file to identify errors in the bridge layer. We are trying to create within our own department a linear bridge file that we can depict the bridges information about the length and width of the bridges, the span of the roadway over the water bodies. We spot the errors like the coverage of the road that doesn't look long enough to cross the water in Framework. We are feeding those back to CGI for their attention.

V. MDEQ

John Esch, Michigan Department of Environmental Quality (MDEQ) we are continuing on different projects and trying to get our ESRI licenses to work correctly.

David Slayton (MDEQ) we are trying to prioritize our GIS IT projects for next year. We are trying to figure out where to spend money with the resources that we have.

VI. MSP Projects and Activities

Eric Nischan, Michigan State Police – we are working with MDEQ on data sharing for Emergency Management and Homeland Security data. We are also looking at issues responding to biological hazards and looking at GIS for dissemination of information to the public on where to go to get the drugs that you needed in a timely and organized fashion. This project is just getting started. We are working with the Michigan Department of Community Health (MDCH) on that.

VII. MDCH Projects and Activities

No representative present.

VIII. MSI Projects and Activities

Bill Dehart, Michigan State Industries (MSI) I am filling in for our MSI guys that are usually here they were unable to attend. I work in sales here in Lansing. We have unused capacity right now, so if you have collateral projects or less desirable ones that require a lot of labor we will give you a free estimate on that. Of course any state agency doesn't have to have a contract with us.

IX. CGI Projects and Activities

A. New Applications

Rob (CGI) we are updating the wildlife telemetry tracking application for the web. It will be coming out in the next month or two with enhancement from what you have seen in the past in the demonstrations. We also have wildland fire applications, coming out in February to tract wildland fires. The parks infrastructure application, the complete mapping of all of the MDNR State Parks is in second Beta form right now. It is basically ready, just a few more tweaks.

The Transportation Asset Management Council (TAMC) Internet investment application is due out in January 2006. We are working on training and educational tutorial type of information right now for the application. It will be one of the conduits for road agencies to get road information to the Asset Management Council for strategic planning, state-wide road investment, and reports to the Legislature.

There is a new initiative that we are working on right now called the Michigan Land Bank. It will be a GIS application that is working with tax reverted properties. This is properties that are off the tax roles and trying to get them back in. We are also migrating the Map Michigan product that is on the web site to a complete .net application. It will be available as web services. And lastly we are continuing to work on the Lakes Information System, which is a combined project between MDEQ and MDNR.

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

Bill Enslin, Michigan State University (MSU) we had a successful party at our new Geography Building with about 60 people. We have started on a pilot project called Health Impact Assessment, which is a form that sits on top of the map image viewer that answers questions related to health issues that a planner should review in a site plan review process. We did secure some internal funds to take it from a prototype that we developed to an Alpha testing in the several townships in the area. It is installed in Meridian and Delhi Townships. It looks like it will be installed in Lansing Township and Watertown Township in Clinton County. Eventually it will be a Web enabled application. Right now it is being done to test the user ability of presenting a bunch of GIS data related to health issues such as physical activity, air quality, water quality, health equity. There are 7 different tabs that present a litany of questions. This will be

reduced and you will have data appropriate to the decisions that are made relative to site permitting. It will be done at the end of spring or early summer and then there will be some Beta training as well.

Kathleen Weessies, MSU- Map GIS Library, the newsletter for IMAGIN (Improving Michigan's Access to Geographic Information) comes out once every two months. There are 3 different ways anyone can participate in that newsletter 1.) Member news – little blurbs, winning a contract or some new project, 2.) Feature articles – topical, something about GIS that interests or affects us all, 3.) Who's doing what – we spotlight a township, county or region. We recently spotlighted the State Police.

Steve Aichele (USGS) – Cindy Brewer is one of the most prominent cartographers in the country. She is doing a colloquium this afternoon at 3:30 in Room #129 in the new Geography Building.

XI. County/Local Projects and Activities

Rosemary Anger, Barry County – we took the delivery of 16 Landsat Images from www.landsat.org. We are going to do a landuse/landcover analysis for our county in anticipation of some 319 work for our master landuse. We needed to get a landuse layer. We have been working with MDOT. They have asked for paved and graveled information. So, we have been collecting that data.

Rob (CGI) one of my hats is serving as the Michigan lead to a Consortium funded by NASA (National Aeronautics and Space Administration) to continue to look at ways to get remote sensing technology at the local level. This is of interest - what a county would be interested in is how did you do it, what are the cost, and what did you get at the end? This might be a viable alternative to our traditional ways of doing it.

Rosemary (Barry County) as of now I have 4 hours invested into the remote sensing and Cedar Creek Institute has \$1400.00 invested into it.

Steve (USGS) for that older data, Dan Brown at the University of Michigan (U of M) has most of the early 80's information: Danbrown@umich.edu. The distribution of that 80's Landsat imagery is a little fuzzy. Most of it was privately funded.

Neil Besteman, Allegan County – all of our local units have bought into our imagery and right now we are working on a push to get data layers for Framework. We had a meeting on Halloween night. It was very encouraging with a lot of interest expressed. We are letting them use Accuglobe as a viewer system on that from DDTI (Digital Data Technologies, Inc.) In our process of working with CGI on updating the roads layer, this will speed up the project. This will let the local units send in the corrections for their areas. We are also working on QVF (Qualified Voter File) to the map project.

Trevor Floyd, St. Clair County – we are waiting for the imagery to show up and then we will be doing some QAQC (Quality Assurance and Quality Control). Our Asset

Management data collection program is pretty much wrapped up. The planning commission is focusing on an update to our countywide master plan. There have been some documents written, including our recreation plan and the hazard litigation plan. We completed a watershed plan and we are working on other watersheds to complete the plans. St Clair County was picked for a scenario testing ground for the emergency management program. Our efforts with FEMA (Federal Emergency Management Agency), has been slowed down. There is a community on the south end of our county that is bordered and surrounded by Lake St. Clair. Lake St. Clair's water levels don't move or react as fast as some of the other water bodies, so FEMA is looking at changing the water levels. It will be interesting to see how they look at that and what they will do with the base elevation model that they use along the St. Clair River and Lake St. Clair, due to the fact that Lake Huron may go up a foot, but what does that do to the river. Lake levels can move just based on wind, so there are a lot of factors.

XII. Regional Projects and Activities

Ann Burns, Southeast Michigan Council of Governments (SEMCOG) a week from today, we have a Southeast Michigan GIS User's Group Meeting. It is an open meeting. We have been spending a lot of time on the flight and a lot of time on our Geo-database migration. We are converting our data and doing some training. We are training internal staff who don't do GIS full-time about the Geo-database and how to edit the Geo-database.

XIII. Federal Projects and Activities

Gordon Rector, United States Census Bureau – the newest version of TIGER Line (Topologically Integrated Geographic Encoding and Referencing) is coming out soon. It will be called, The 2005 First Edition TIGER Line File. The Census Bureau went to a twice a year release of TIGER this past year. There are some Michigan counties that have gone through the repositioning process that have not been released on previous issues of the TIGER that will come out with this release.

Rob (CGI) we have been in contact with a group and we are going to do a complete review of boundary synchronization process between our latest boundaries to the ACT 51 and other official processes of the state and the latest TIGER information.

Gordon (Census) when these releases come out, they actually reflect what TIGER looked like 6 months ago because there is a lot of benchmarking and processing that has to get done. That is why we call it a 2005 release even though it is at the end of the year.

Rob (CGI) one of the big discussion areas is the boundary 425-agreement area for tracking change. 425's are another way for cities to get land for services, taxes, etc. It is an important data-tracking problem and as implications, not only for Census but for roads and for a number of programs a lot of people need this information. This is to see if we can get better boundary management.

Dave Rigney, National Geodetic Survey/National Oceanic and Atmospheric Administration (NGS/NOAA) on January 24, 2006 we will have a height modernization forum in Marquette, MI and on January 26, 2006 we will have a forum in Flint, MI. The National Geodetic Survey (NGS) is putting on the Forum. It will be based on FEMA's map modernization along with NGS's height modernization and how they interact to create a more accurate and consistent height framework across the state. The registration forms should be up on the NGS web site: www.ngs.noaa.gov.

This year we plan on finishing up Grand Traverse County Natural Framework. Also, we will be finishing Ingham County. This year we used 6-inch pixel resolution for the whole county and two feet contouring for everything but 4 townships. Also FEMA requested for the map modernization. They got a copy of the raw lighter. If interested, besides GIS mapping I can do other studies related to various things such as: H & H studies per county – different layers that you would use in GIS economics studies for communities; water quality, flood control, flood plain management, harbor/port studies, environment and coastal studies. There are a lot of different avenues. So if you wanted to build up your GIS and wanted different layers we can work on that with you. This list is on our Web page as well.

Charles Hickman, United States Geological Survey (USGS) there is a NSDI (National Spatial Data Infrastructure) CAP (Cooperative Agreement Program) grant on the FGDC (Federal Geographic Data Committee) web site: <http://fgdc.er.usgs.gov>. It should be formally opened in December and closed in late January. There are 5-categories. The FGDC address standard should be out for review. It is also on the URISA site as well. Super Bowl is coming up in Detroit in February. There will be Federal Agencies that will come through us to get early versions of the imagery and other layers as well. We should know this week regarding the new liaison for Michigan. There will be a transition period of training.

Steve Aichele (USGS) we just delivered the last batch of groundwater map data, which was a recharge layer. So it should be working its way to the CGI data library. We have keynote speakers for the IMAGIN Conference. There is Jim Derringer, former Governor of Wyoming and we have a gentleman who coordinated the GIS core activities for the Katrina Relief. Also, Dave Dibiosi, who is the Director for the Penn State on-line GIS Degree program.

XIV. Other Issues

Bill (MSI) when all of these updates are added on the integrated Framework is there anyway to certify that they are valid to keep the integrity of the system. Is this what you guys do here?

Rob (CGI) this group here is more of a communicative vehicle. It is a way to collaborate on projects that are going on. The certification component is one that the Framework program attempts to tie to as close to the source as possible and within the existing program area. So, for instance, when talking about city and township boundaries, the

official certification process at the state is that all boundaries has to be recoded with the Office of the Great Seal which is a Department of State function. Our process includes them in that update process, but with that we know that there are some holes in the certification process. There are road names and addresses that no one is claiming; the jurisdictions don't own them at the local level. Allegan County is taking it to a newer level in trying to organize the certification process at the county level. So, what we are trying to do is become a clearing-house and a focal point for people to get organized.

XV. Next Meeting Date

January 5, 2006 10 a.m. until 12 p.m., Michigan Center for Geographic Information,
George W. Romney Building, 111 S. Capitol, 10th Floor, Lansing, MI 48933