

Meeting Description: Michigan Geographic Framework Users Meeting

Date: January 9, 2003

Time: 10:00 a.m.

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

I. Approval of December Meeting Minutes

II. Geographic Framework Program

A. Act 51 Reconciliation Update

Rob Surber, Michigan Center for Geographic Information (CGI), distributed a status map. CGI is producing maps to go out to local units of government. Announcements were made through the County Road Association of Michigan from Michigan Department of Transportation (MDOT) reps. This process is going to be open-ended. Wayne County is finished and now goes to quality control. A lot of changes were made in framework for Wayne County and there are quite a few discrepancies in and around the city of Detroit. There were over 300 discrepancies between the map and air photo in framework. A lot of streets that had buildings but the streets have been removed and replaced with buildings. City engineers receive the maps. Seaming is starting and is complete for some counties. Cities and villages are being printed now and the complete process is in place. MDOT will label, provide instructions, and mail Act 51 maps. The counties have 3 months to review after they have received them.

Joyce Newell, MDOT, stated that MDOT sends out the maps by the middle of January, but this year it was extended by a few weeks.

Valdis Kalnins, Allegan County, asked if CGI has any thoughts how county GIS departments can help with the updates of the maps for the Act 51 process.

Rob Surber, CGI, responded that it is premature until they first go through this exercise of seeing what this is. Rob thinks that it is a good time for county GIS offices to touch base with the locals when they receive their maps to offer assistance. Even though it is a paper map, it is a GIS product. CGI has not initiated a formal process, it is more appropriate for the county GIS office to initiate it.

Jeroen Wagendorp, Allegan County, commented that if CGI would send a few hundred maps to the locals, they would gladly pass them on.

B. Digital Ortho Update

Rob Surber, CGI, reported that CGI is continuing to get ortho imagery.

Everett Root, CGI, added that the Upper Peninsula is done, on the CGI server and data library.

Jeroen Wagendorp, Allegan County, asked if CGI is still moving lines.

Rob Surber, CGI, responded that CGI will do a little during this reconciliation. In some cases CGI was unable to make the full correction to the realignment section, flagged it, and they are picking it up during the part of the process.

Everett Root, CGI, added that they have newer photography available now.

Jeroen Wagendorp, CGI, asked if the line is still in the middle with the new photography.

Rob Surber, CGI, responded that Wayne County and Oakland County had significantly better orthos and CGI used them. There will be spot areas that will be improved over time. May be areas where roads were not in the ortho at the time CGI did the work. These will be noted. Will continue to keep the spatial library current.

C. National Hydrography Dataset (NHD) Update

Rob Surber, CGI, reported that he received an e-mailed stating the Rolla office of the United States Geological Survey (USGS) is beginning the planning for the production process for 10 Michigan high resolution sub-bases in the United States Forest Service (USFS) area – Huron,

Manistee, Hiawatha, and Ottawa. The goal is to get the best available to begin that work. CGI has done work in Michigami and CGI will provide the framework in the USFS areas where CGI has done work. There has been some questions from the USFS regarding the quality of the Huron Manistee line work. USFS has made comments of possibly using framework. The initial agreement was that the USFS's data is better, they will use that. Anything outside the USFS area, they will be given the framework and the USFS will make sure that it is matched up. CGI recently submitted a revised NHD innovative partnership (IP) plan.

Rob Surber CGI, also reported that the National Imagery and Mapping Agency (NIMA) inventory in Detroit, which is the Homeland Security Information Program (HSIP), sub-layer relates to The National Map (TNM) Program. A new survey is going out, as Charlie Hickman stated that a role with homeland security will greatly increase chances of getting funding for NHD. They have identified 30 of the 133 urban areas to work on first and there will be a top 15 to do an accelerated job on. Detroit is being nominated as one of the top 15. The data set is more of a metadata set of items to filled out and they will work with CGI, SEMCOG, Detroit, and Wayne County to get what is available. Some of the data is open to public domain and some isn't.

Gordon Rector, U.S. Census Bureau, stated that the USGS received a database that Census Bureau collected last summer, but the USGS goes into more depth.

Rob Surber, CGI, stated that NIMA calls this HSIP and cross-walked it with the National Map. Many of the categories that are identified for Homeland Security are also identified National Map theme.

Ann VanSlembrouck, SEMCOG, added that they were going to have a meeting in their area about Homeland Security to coordinate data in case of an emergency. The meeting is scheduled for February 11 at 10 a.m. in Oakland County.

Tammi Shepherd, Wayne County, added that they have been involved with their Emergency Management Department (EMD) during their drills and have developed processes and critical data sets. Other counties in the region are beginning to get involved with their EMDs and some aren't. So the goal of the meeting is to talk about what everybody is doing, what datasets they have, and contemplate sharing.

Rob Surber, CGI, added that the state plans to hire a Homeland Security officer. That may help in some of state's role in this. CGI has been in discussions with the leadership responsible for establishing this position and CGI will be involved.

D. Framework Pilot Partnerships Update

Rob Surber, CGI, reported that a meeting is schedule with Livingston County on January 23, 2003.

Everett Root, CGI, reported he and Rayan Ray will present county to the township clerks and county clerk of Livingston County. They will present the county geographic information system (GIS) working with the clerks to submit the Qualified Voter File (QVF) updates through the county GIS office.

Rob Surber, CGI, commented that this could be a good thing. The clerk initiated the meeting. One action items is to establish an ongoing relationship to funnel county information to the state base and to support some state programs and in turn come back to the county and improve services. Allegan, Branch, and Barry Counties continue to provide information and continue to refine the process. The clerks are pleased with how this is working. Information comes in daily and the clerks are able to see it the next day. CGI would like to automate some of the procedures. School District boundaries are of great interest to clerks. The framework is not parcel based, but getting the outer boundaries, which based on parcels, is important. Scott Oppman, Oakland County, thinks that the process is more city-to-state rather than county-to-state, but that there is a role for the county to play.

E. Framework Editor Update

Rob Surber, CGI, reported that January 23, ESRI is coming in and they will have finished tool development of the Editor basic tools for this function. Wayne County is interested in coming to the meeting. ESRI has been making great progress. The goal is to have a set of tools for the CGI staff to piece together in terms of procedures and buttons on the editing interface. The design considerations depend on what can do and can't do. The design of the geography database will work in tandem with how staff can manage and edit it.

F. Regional Meetings

Rob Surber, CGI, reported that 3 years ago CGI lead had regional discussion groups and CGI feels it is a good idea to kick off again and let local units of governments and what the state is doing. If any group is interested in hosting a meeting, advise Rob. The sessions would last probably 2 hours. Southeast Michigan could have a couple sessions. Probably be held in the summer and invite different agencies, the Census Bureau, and MSU. It is an open invitation.

Ann VanSlembrouck, SEMCOG, and Abigail Mueller, WMRPC, will each host a session.

III. Michigan Department of Natural Resources (MDNR) Projects and Activities

Nobody present.

IV. Michigan Department of Transportation (MDOT) Projects and Activities

Joyce Newell, MDOT, reported that they are still waiting for a director to be appointed for the MDOT. Then they will know what directions the department will take. They are also waiting for the Act 51 maps so that they can mail them out. They are getting a 3-year Memorandum of Understanding (MOU) with Michigan State Industries (MSI) to be signed. When MSI relocated, they lost about a month's worth of work. They are not sure what the governor's priorities will be.

Rob Surber, CGI, added that Eric Swanson, CGI, will soon be meeting with the governor's office staff. The goal is to keep GIS and geographic information technology visible. If anybody has input, please contact Eric. The department acting directors from previous administration and Mary Lannoye will be the budget director and CGI has a good relationship with her and she understand the role of GIS. CGI also has a good relationship with the democratic caucus, Senate and House, and the lieutenant governor's chief information technology person. But they have to rebuild relationships with the new administration and they are going to work on high visibility wins. Will let the group know how it progresses. The state budget makes it a challenge for any program, but CGI will do their best to keep moving forward.

V. Michigan Department of Environmental Quality (MDEQ) Projects and Activities

Steve Miller, MDEQ (contract employee), reported that he is working for MSU and two days a week at MDEQ for two months and then will evaluate. He is working now to compile information of sites of environmental contamination. Local health departments have been facing issues in terms of issuing well permits. There have been issues of not issuing permits due to proximity to site of environmental contamination or where restrictive use covenants were put in place that do not allow development. Those locations have not been very well documented. Steve is working with a MDEQ group that recognizes that was not high priority under the last administration and the current administration supports this effort. Will be looking a distribution of that information and working with Bill Enslin's, MSU, Image Viewer and also get information posted to the CGI site and along with other sites of potential environmental contamination. It will include Super Fund sites, hazardous waste sites, and a variety of sites.

Jeroen Wagendorp, Allegan County, asked if the MSP database list of every site of underground storage tanks.

Steve Miller, MDEQ, responded that MSP hired a consultant who used MDEQ/MDNR's database and did address matching. It was in the MSP archives.

Rob Surber, CGI, comments that it ended up in CGI's office.

Steve Miller, MDEQ, added that the list ended up on the MDNR web site. MDEQ had concerns with it because they ended up with 100% matching with post office boxes, etc. so there is concern about the quality of the data. Then MDEQ started working with CGI to do address matching. There is currently a process within MDEQ to do Global Positioning System (GPS) locations. It is a very helpful database.

VI. Michigan State Police (MSP) Projects and Activities

Eric Nischan, MSP, reported that he has talked to the Great Lakes Commission (GLC) about Super-fund Amendment and Reauthorization Act (SARA) Title 3 about them doing the sites as part of coastal hazard atlas which is GIS-based. MSP is working out an agreement for the Commission to do quality control of hazardous sites in Version 2 of the framework. MSP keeps track of plans for those sites. MDEQ is the ultimate keeper of the data coming on and being moved off. MDEQ extracts and then it goes to MDP or Great Lakes Commission. MDEQ does not geocode it and have no interest in geocoding it. But they are excited that it is being done because people ask for it.

VII. Michigan State Industry (MSI) Projects and Activities

Nobody present

VIII. CGI Projects and Activities

Rob Surber, CGI, reported that CGI has completed all interviews for their new management positions and recommendations have gone to Civil Service. CGI is an office within Department of Information Technology (DIT) reporting to the deputy of Agency Services. Within CGI there are 2 divisions – Infrastructure and Application and Geo-Data and Agency Services. Previously Michigan Information Center was the State Data Center (SDC) for census information. This program has been moved to History Arts and Library and they will be the lead agency for distribution of census related products. CGI will continue to maintain the geographic side of the census relationship and make sure the SDC program is underway. CGI's focus is primarily in the geography area and two divisions are Rob Surber and Carolyn Lauer. Carolyn is heading up the Infrastructure Services side (servers, desktop, accounting, and web application). Rob is heading up the Enterprise Geo Data Service side (standards and framework, integration exercises and agencies services). There is an arm of Agency Services in Roscommon. Dave Forstat is the Agency Service manager. The Geo-Data Service manager, which framework falls under, is open. The goal is not to operate independently in these areas, but work as a team and setting priorities as a team. There are specialist areas that will participate in planning. CGI is a service agency to all of state government.

VIII. MSU Center for Remote Sensing and GIS Projects and Activities

Bill Enslin, MSU, reported that he met with Brett Nelson and Gary Taylor, CGI, and Sherm Hollander, MDNR, about the digital ortho quads (DOQs) mosaicing. The meeting was fruitful. It is time consuming organizing quarter quads (QQ). Distributed a status maps. Mosaicing of 22 counties are completed; about 15 others are in the copying process. They have been concentrating on the Saginaw Bay area because they have requests there. They have access to digital ortho quarter quads (DOQQ) that have been provided to the Institute of Water Research at MSU by a natural resource conservation service. They use DOQQs they have in the building

and they contact Sherm Hollander, MDNR, for those they don't have. Sherm has more recent 1998s for some of the areas.

Everett Root, CGI, asked for the procedure to follow if he is called and this a useful tool for them.

Bill Enslin, MSU, responded that the county mosaics are public domain and CGI is free to put them on their web site and will be put on the MSU web site as well. They are in ECW format now, but they converted to MrSID. Do not want a lot of requests until they have the process for a place to download.

Jeroen Wagendorp, Allegan County, asked if color balancing is done for a county or for the whole state.

Bill Enslin, MSU, commented that they started by trying to balance everything for example CIR for Onondaga. There were two townships in Ingham County that they thought were ideal for that location. It was the best process for that region, but would have to revamp when they got to other areas because of high variability and quality of images. There are some mosaicing artifacts that must watch out for – water areas. So had to hand adjust some mosaics. The attempt is to keep the balancing as good as possible. They have not seamed the 22 counties of Saginaw watershed together. They are moving them into SDE as well. It is $\frac{3}{4}$ of the size of the original. You can mosaic to a mosaic and to an uncompressed. But have to recompress again. If doing once or twice don't loose much.

X. County / Local Projects and Activities

Jeroen Wagendorp, Allegan County, reported that he has been working with Bill Enslin, MSU, giving him examples for the township meeting in Detroit. He is picking townships of board members of the Township Association. They have the DVDs are available of the NASA portion of the MICAMP conference. Every county will get a copy. Will put a table of contents with it. It is the unedited version. The counties are looking for countywide statewide census - it is going to be a bloodbath from a budgetary point of view. They are working on self-help, self-justification for counties to protect their turf - what can you do at the county level to justify you have a right to exist. They will need to trace arguments and flush it out. They are self-serving because like to have to have this available statewide.

Tammi Shepherd, Wayne County, reported that she is working on the cadastral plan for Wayne County. They are making progress. They received Ikonos satellite imagery for the entire county and they are processing and mosaicing it. They expect to use it to add streets. Tammi splits her time between parcel project and framework. They are looking at a job description to hire a new person. They are starting to enter into discussions with ESRI to have them help with a geo database for their parcels. The big thing is framework. They conflated to beta version of framework for Wayne County. Because of that there were several changes that had to be made to their file as far as the relationship and Version 2. Because alphabetically Wayne County is the last in the region, all id nodes around every boundary changed to the higher counties'. And they had 1982 numbers. There were a lot of changes. Out of 80,000 arcs matched with the GDT conflation process, all but 500 matched back up. They used every trick they could figure out. Currently there is a process running new node numbers. CGI got the file right after Wayne County's conflation. They are now 99% where they were now that Version 2a is out. They received a grant to do Wide Area Justice Information System (WAJIS) work. This grant that allows Wayne County GIS to do individual dispatching style updates to framework products. Each community in Wayne County will be handled individually and will work with police departments to get address and each address range will be tuned intersection to intersection. This is a 2-year project and a substantial amount of money.

Rob Surber, CGI, added that the city engineers will get a lot of information and that may help cooperation.

Tammi Shepherd, Wayne County, commented that she will be adding new streets from Act 51 and everything that they have added from Courts and Law Enforcement Management Information Systems (CLEMIS).

XI. Regional Projects and Activities

Ann VanSlembrouck, SEMCOG, reported that they are working on putting the 2000 census block attribution to framework and the 2000 land use update. They have been geocoding employment data using Version 2. There are a few problems with address ranges. They are creating a series of maps for United States Congressional reps in their area. They are continuing to work with each of the 7 counties for the ortho imagery flight. SEMCOG will mail out a concept plan and then will start looking for funding sources. They are putting new static maps on their web site.

XII. Federal Projects and Activities

Gordon Rector, U.S. Census Bureau, reported that headquarters working with a private contractor to reposition all TIGER line files between now and 2008. They will do 74 this year and of those 9 counties will be in Michigan - Barry, Cass, Ionia, Livingston, Kalamazoo, Macomb, Monroe, St. Clair, Joseph. They will use the framework files for repositioning. In March or April would like to get most recent version of framework from CGI. The Annual Boundary and Annexation Survey (BAS) is going out to the counties and corporate places over 5,000. They are starting to try to do some of this on internet. Eventually would like to take boundaries from the Act 51 work.

Rob Surber, CGI, stated that CGI has been assigned by the governor's office the responsibility of all boundary annexation review for the Census Bureau.

XIII. Other Issues

A. Map MI Demonstration

XIV. Next Meeting Date

February 6, 2003, 10 a.m. until 12 p.m., Michigan Center for Geographic Information, George W. Romney Building, 111 S. Capitol, 10th Floor, Lansing, MI 48913