

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

**Date:** October 7, 1999      **Time:** 10:00 a.m.

**Location:** Lewis Cass Bldg., 1st Floor, Dept. of Management & Budget Large Conference Room

I. Approval of September Meeting Minutes

No changes or corrections were made.

II. Geographic Framework Program

A. Michigan Information Center (MIC) Project Update

1. Phase 2 Status

Eric Swanson, MIC, stated that there are 7 counties yet to be introduced. Genesee County is complete, was delivered to Michigan Department of Transportation (MDOT) yesterday, and was delivered to Michigan State Industries (MSI) today. Kent County is a few weeks away; it is at identity point. The next step with framework is county seaming. There are maintenance issues to undertake – transportation network, Minor Civil Divisions (MCD) boundaries, hydro effort, repositioning with digital ortho's. Have been negotiating with United States Geological Survey (USGS) regarding their innovative partnership (IP) the Michigan Department of Natural Resources (MDNR) has established to purchase digital ortho's. Northern Michigan was flown in 1998 and southern Michigan was flown in 1999. In the IP, there are 3-4 federal agencies that have pooled funding resources and there is a 1/3 to 50% match required by state and local funds. The USGS funding source has dried up. The other federal agencies participating in the IP don't want to produce updated ortho coverage. Although, they are willing to contribute funding to fill in where we don't have coverage from the 1992 through 1994 photography. It appears the feds can come up with funding from partners if the state and locals can contribute \$375,000 to fill in all the holes. There is potential to getting statewide ortho coverage but not updated to 1998-1999. That is under consideration. It can serve the purpose of repositioning. We can also utilize the locals existing photography to help fill in.

III. Michigan State Government Geographic Information Policy Council

A. National Spatial Data Infrastructure (NSDI) Clearinghouse and Statewide Survey Development

Eric Swanson, MIC, reported that the MIC is working on a survey with IMAGIN to develop a data inventory for the state clearinghouse to make available to the entire Geographic Information System (GIS) community. Ortho availability is one inventory category. The inventory information would be developed in a database format and should be able to piece things together from that information. It is in a prototype form and is being reviewed by IMAGIN. A focus group is being formed to determine ease of use and the goal is to have this available at least in demonstration form at the county GIS conference.

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

Gary Bilow, MDNR, stated that Sherm Hollander is working with Mark Coppersmith, USGS, to identify digital ortho quads that need to be done. There are a number of quads that USGS is planning to do and the state is willing to cooperate with them. When completed, will send an IP application to amend the current one and then will look for the money. MDNR is also looking at the Real Estate Information System (REIS) along with 40-acre grid and Statewide Land Database (SWLDB) application. They are finding discrepancies that need to be resolved. There are missing parcels and parcels that are larger than 40-acres. The database needs to be fixed before it can be used as a source for mapping. This

will be an on-going process. The MDNR will demonstrate pilot of the park system to parks people in a couple of weeks.

#### V. Michigan Department of Transportation (MDOT) Projects and Activities

Joyce Newell, MDOT, reported that they are keeping busy with final edits of Phase 2 files and setting up standard map files and standard ArcExplorer files for users. MDOT is looking at setting up web site information. Joyce had a questions whether anyone is getting more names of lakes – it is being done by Michigan State University (M.S.U.) for the Statewide Land Database (SWLDB) project.

Eric Swanson, MIC, commented that he heard that MDOT's GIS team would be rolling GIS capabilities into the MDOT field.

Joyce Newell, MDOT, also added that MDOT is sponsoring a GIS day November 19 at the Transportation Building, 1<sup>st</sup> floor North/South conference room (at the west end of the building). There is limited space but they would like to have some other agencies demonstrate.

#### VI. MIC Projects and Activities

##### A. Public Safety Initiative

Eric Swanson, MIC, reported that the Public Safety Initiative is being kicked off by National States Geographic Information Council (NSGIC) coordinated by Women Executives in State Government (WESG). This is a national initiative that goes beyond crime. They are looking at a broad umbrella - health, crime, hazards, and transportation issues. Right now it is an initiative to look at best practices and is there at how communication lines and technology can be opened up between national, state, regional, and local organizations. It is in the initial development stage. Eric will bring to Michigan State Government Geographic Information Council at the end of the month. The Michigan State Police Department (MSP) is also looking separate specific initiative that Eric plans to relate because they are one in the same. MSP is looking at collecting an inventory of what they identify as critical data sets for emergency management systems, which is part of public safety and the framework initiative. The issue now is to have data resources available at all levels that fit to use – the framework comes into play. This initiative will be a big thought process for a year or two. Janet Phipps, Director, Michigan Department of Management and Budget (MDMB), is a part of Women in State Government and has an interest in this initiative. This effort cuts across all state agencies and all levels of GIS and affects entire GIS community. If you look at public safety and its components, then look the key data sets that cross over different components, it fits in nicely with clearinghouse. Once we have that information, we will have the resources across the board and start sorting out.

##### B. IMAGIN Counties Conference/GIS in State Government Booth

Eric Swanson, MIC, reported that the IMAGIN County/Local GIS Conference is October 24-26 at Shanty Creek. The MIC has applied for booth space and they would like to display applications that state departments are working on. A demo map of a current application would work nicely. Will also have a couple of computers to demonstrate the SWLDB, the clearinghouse initiative, and other applications that others may have. If having people represent their departments, the MIC can coordinate efforts. Advise Eric within the next week and send a list of ideas to Rob Surber.

Everett Root, MIC, stated that if agencies had maps that they wanted to have laminated or mounted to foam board, get them to the MIC about a week before to allow enough time.

Gary Bilow, MDNR, added that they had booklets that they would like to display.

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

Steve Miller, MDEQ, reported that he talked with Tom Newell, State Police, regarding the inventory of what they identify as critical data sets for emergency management systems, which is part of public safety, for MDEQ the radiological protection part will be valuable in terms of drinking water. The Drinking Water Division will be responsible for evacuation and it will be helpful to know where hazardous materials are stored, as well as in terms of tornadoes, floods, etc.

Eric Swanson, MIC, stated that the MIC met with the State Police. Eric was concerned that the State Police survey (which is modeled after the clearinghouse survey) would create duplication. The MIC will look at the results and incorporate the data with the clearinghouse survey and hopefully alleviate duplication.

Steve Miller, MDEQ, stated that ESRI would set up the SDE server on November 20-21. MDNR, Transportation, MSU, and MIC will be there. John Clark, MDEQ, has made progress with MapObjects and set up a nice application over the Intranet. In the future, will need to discuss firewall issues.

## VIII. Regional Projects and Activities

Tammi Shepherd, SEMCOG, reported that the Regional Coordination Committee had a Standards Committee which was approved by the Data Center Advisory Council and they need to pick a chairperson and members. The Applications Sub-Committee has been postponed and will be rescheduled - may also reschedule the Regional Coordination Committee. The aerial photo request for purchase (rfp) was accepted by the executive committee. Williams Aerial was chosen to fly in spring 2000. Tammi distributed a status report for SEMCOG's work on the framework. They are nearing the end of the polygon labeling attribution process. Then there is a verification process that they hope to complete in a couple weeks. Should then be able to aggregate into block groups and send to MIC. SEMCOG is making progress on the bridges and Livingston County is complete.

Eric Swanson, MIC, reported that the polygon boundary cleanup - intend to building census geographic to the block group level on a statewide basis. The MIC has developed a methodology for redistricting work by moving precinct polygon boundaries out of framework and transferring it over to TIGER.

Joyce Newell, MDOT, asked if it would be possible to get statewide coverage of township and city boundary at this time. MDOT is looking at ways to merge data files from counties without actually seaming.

Everett Root, MIC, responded that the MIC has one, but he is unsure of legacy. Ingham, Eaton, Clinton counties are seamed.

Laura Tschirhart, Tri-County Regional Planning Commission, reported that Tri-County signed on HNTB, East Lansing, to do MIRIS land use and land cover update. They will do a pilot project of Delta and Oneida townships and hope to complete in October.

Steve Miller, MDEQ, asked if Tri-County had the Board of Water and Light photos. The Board flew not only their current area but the area where they plan to expand.

## IX. MSU Center for Remote Sensing and GIS Projects and Activities

Bill Enslin, MSU Center for Remote Sensing and GIS, distributed processing status maps for lake processing. They are approaching half the state being done. During the georectification process that was done for Ingham County and now starting Kent County, they have encountered problems with the road base features where roads corresponding to new subdivisions are misplacements and seem to be at a

different scale. This is prevalent in Ingham and Kent counties where roads have been added to the original MIRIS basemap files. This will be an issue with getting the digital ortho photos behind it.

Everett Root, MIC, responded that Alden Leatherman, MIC, has done statistical work on this. When putting together MIRIS hydrology and MIRIS railroads with pre-conflation MDOT roads, the misplacements and different scales were apparent.

Everett Root, MIC, commented that one of the plots was in Everett's residential subdivision and the data came from TIGER, not in MIRIS or MDOT roads.

Bill Enslin, MSU, stated that when talking about repositioning the bulk of the lines, we should talk about quality control.

Everett Root, MIC, added that Metadata is not complete enough to help.

Eric Swanson, MIC, stated that they would report on this in detail at next meeting. Will try to determine what the problem is.

Bill Enslin, MSU, added that they created the Themer Program and it is close to being installed on other people systems. To get the new Themer Program, contact Bill Enslin. It was built with MapObjects – users would have to have MapObjects or there may be licensing issues. Access tables are built in so it is possible to customize. The polygon building process is working fine. The last thing to be completed is the transfer of attributes from the line work to the polygon.

Eric Swanson, MIC, stated that the MIC would like to reintegrate the MSU lakes and rivers polygons back into framework.

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

Jeroen Wagendorp, Allegan County, reported the in-house they have finished the parcel project for 2000. They completed 52,000 parcels in 12 weeks.

#### XI. State Department Projects and Activities

Nothing to report.

#### XII. Federal Projects and Activities

Nothing to report.

#### XIII. Other Issues

Carol Woodman, Michigan State Industries (MSI), distributed a status map of the attribution work they are doing for MDOT. Received Genesee County today from MDOT. AMLs have made their work go faster.

The Internet Working Group met immediately following this meeting at Land and Water Management, 116 Allegan, for a demonstration.

Eric Swanson, MIC, commented that this group is a forum of people in the development arena to share information.

Bill Enslin, MSU, suggested a report next month from that committee.

#### XIV. Next Meeting Date

November 4, 1999, 10 a.m. until 12 p.m., Lewis Cass Building, 1<sup>st</sup> Floor, North Wing, Department of Management and Budget's Large Conference Room

\*\* If any changes or corrections are to be made to these minutes, please contact the Michigan Information Center at (517) 373-7910.