

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

**Date:** August 2, 2001

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

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

I. Approval of July Meeting Minutes

II. Geographic Framework Program

A. Polygon Build / Act 51 / Seaming Update

Rob Surber, Michigan Information Center (MIC), reported that the Phase3 county line work, polygons, and the Act 51 are complete. Michigan State Industries (MSI) has Oakland and Wayne Counties for attribution work. MIC is moving forward with repositioning.

B. 2K TIGER Integration: Tracts and Block Groups

Rob Surber, MIC, reported that the TIGER work is complete as well. This was an additional piece of work added to the 1990 TIGER data internal to the file as part of the conflation. Washtenaw County data has been given to SEMCOG.

C. Repositioning Update

Rob Surber, MIC, reported that 23 counties are in progress, 13 counties are finished, and several counties almost done. MIC is working with Michigan Department of Natural Resources (MDNR) regarding MIC's rate versus ortho arrival rate to keep things moving. MIC is working on Kent County at the higher resolution ortho's. REGIS has, through partnership, provided 6" and 1' high-resolution ortho's. MIC took a network storage device to REGIS for them to dump about half of them into.

Everett Root, MIC, added that 30 GB of photo's were transferred in 5 hours. There are 20 GB remaining to transfer.

Rob Surber, MIC, added that the quality of work from the better photo' is noticeable. MIC is monitoring the rate in the urban areas as opposed to the rural areas to see if there is any difference in the rate. Kent County should be complete by mid-September.

Everett Root, MIC, added that is based on 8 weeks at 40 hours per week.

Rob Surber, MIC, commented that it looks like a state plane grid. MIC will overlay their standard grid over this to compare.

Everett Root, MIC, added that MIC reprojected the coverage to match the REGIS photo.

Rob Surber, MIC, commented that is the status of Kent County – work is going well. This should give MIC an idea for SEMCOG issues. Oakland County has partnered with MIC for their higher resolution ortho's. In high growth areas, it helps to have the better ortho's.

Ann VanSlembrouck, SEMCOG, asked if this data would be included in Version 1.

Rob Surber, MIC, responded that Version 1 would be pre-repositioning. MIC will try to turn around another version after the first of the year. MIC is doing additional statistics to see if more staff and/or hours should be added to the project.

D. Digital Ortho Update

Rob Surber, MIC, reported that Charlie Hickman, United States Geological Survey (USGS), sent an e-mail asking if Michigan has plans or requirements over next 10 years for the National Aerial Photography Program (NAPP) Program. They want a reply by August 14. USGS is looking at where the standard cycle of NAPP fits into new imagery possibilities. This information is being requested of all states nationwide.

Sherm Hollander, MDNR, distributed two digital ortho quad (DOQ) status maps. The 1998 Series DOQs have been additions since last month. Eastern Alger County, western Schoolcraft County, and the remainder of Ottawa County have been added to the archive. Production is completed on a large group in central Upper Peninsula, western half of Alger County, and the western unit of Hiawatha National Forest.

Everett Root, MIC, commented that MIC has the full quads from CUPPAD and may want to consider cutting them ourselves. MIC is reprojecting them to a copy in state plane and a copy in GeoRef. CUPPAD is letting MIC keep a copy of the originals, which are 30 full quads one quad per photo. This is part of an arrangement that CUPPAD had with USGS to get a copy as soon as possible for shoreline analysis.

Rob Surber, MIC, added that CUPPAD asked the MIC to do some processing for them and in return, MIC will get a copy.

Sherm Hollander, MDNR, stated that the MDNR has just received the 1998 Series DOQs for Antrim, Emmet, Charlevoix County group that the Corps had done. They will start reprojecting those next week. They have also received the Detroit area block, parts of Wayne, Oakland, and Macomb Counties, which will follow on the reprojection schedule. The 1992 Series DOQs MDNR had added Montmorency, Otsego, and Kalkaska Counties and some DOQs some shoreline data. Will be working on completing the full counties that are remaining.

Bill Enslin, MSU Center for Remote Sensing and GIS, commented that the southern part of Berrien and Cass Counties are not indicated on the map as having coverage. Bill asked if it is an oversight.

Sherm Hollander, MDNR, responded that area has been covered with older imagery, some 1992, some 1998 imagery that was done as part of an Ohio project. MDNR will be acquiring it and make sure that it is added. MDNR activated a web page for the DOQ archive (<http://www.dnr.state.mi.us> – scroll down to “Resource & Conservation Management” box along the right side and click on “Aerial Imagery Archive”). At this time, it only has download capability but editing capabilities will be added later. The new site includes all areas that are completed. The format is quarter-quad base and is in MrSID projected in Michigan GeoRef.

#### D. National Hydro Data (NHD) / Michigan Geographic Framework (MGF) Meeting

Rob Surber, MIC, reported that the Forest Service has a timeline over the next year to complete taking NHD to high-resolution line work for basins in their coverage area. The state is also interested in doing work for the entire state not just forest areas. The group that met indicated that a pilot project should be set up to establish standards and procedures for what it would take to do the state. The Forest Service timeline is so aggressive that a pilot project may not be feasible. The decisions need to be made by September. Eric Ivanovich, Institute of Fisheries Research (IFR), requested a statewide version of the framework hydro layer. MIC anticipates getting this to Eric early next week. Rob asked Steve Miller, MDEQ, if Eric Ivanovich had contacted Steve about water polygons.

Steve Miller, Michigan Department of Environmental Quality (MDEQ), responded that at the meeting he had provided Eric with a statewide scene based on the framework.

Everett Root, MIC, added that Eric needs them to be in coverage form and in the same coverage. He asked if MIC could do a statewide one, if not he will take the shape files and do it himself. Everett told Eric that MIC could do it for him.

Steve Miller, MDEQ, clarified that it is a coverage instead of what Steve provided as a shape file. Steve asked Bill Enslin, MSU, if he has done attribution or anything to the hydrography layer different than the work that MIC has done.

Bill Enslin, MSU, responded that they have worked on the lakes but not the line work.

Rob Surber, MIC, commented that Eric Ivanovich has that, but not as a coverage. It can be converted. They are going to select an area to work on and they want an area that has Digital Line Graph (DLG), CFF (stands for Forest Service’s file), the framework, and a second generation DOQ. Rob asked if anybody laid the basins related to the DOQ production to determine which had the best representation of second generation.

Steve Miller, MDEQ, responded that it was really up to IFR to determine.

Rob Surber, MIC, added that IFR is talking about Manistee or AuSable in northern Lower Peninsula. The technical committee needs to continue to look at the pilot project because the State of Michigan needs to know where it wants to be and where it needs to be. It may be that the technical committee may determine that this is not going to be exactly what the state needs and need to augment the work done by the Forest Service. One significant issue is which sort of line work to use for the conflation. A meeting has not been called yet.

Steve Miller, MDEQ, added that it is up to Eric's shop to call the meeting. The National Forest Service wants to use their own coverage because it has more detail and accuracy in terms of the forested areas. They are talking about huge areas - 1/3 of the state. They are doing whole basins that have any forest service area in them.

Bill Enslin, MSU, commented that there could be a spin-off from this if there are areas with greater richness in the attribution in some things that the Forest Service has done. There may be a way to reconcile these two independent mappings going on.

Rob Surber, MIC, added that he suspects that one of the items of interest is when people notice the differences. Then some decisions will have to be made.

Bill Enslin, MSU, commented that years ago MSU did work for the Forest Service before they started a base map. At the time, didn't have the computer power to handle DOQs. Bill suggested that the group find out what the positional accuracy is of the files. There are also differences between Forest Service and Manistee and Huron.

Rob Surber, MIC, added that he suspects that with this timeframe, the Forest Service may not have many options. There are many questions and Rob expects to hear from Eric Ivanovich, IFR, when he begins to look at the data.

Everett Root, MIC, asked who is actually doing Forest Service work for this project.

Steve Miller, MDEQ, responded that the Fisheries Institute will do as much as they can do and the rest will go to national contractors who are prepared to do this.

Rob Surber, MIC, stated that United States Geological Survey (USGS) has some pilot projects too. Their Manistee County project is scheduled to begin October 2002.

Steve Miller, MDEQ, added that he talked to Dave Lusch, MSU, who is helping MDEQ set procedure for Surface Water Quality. They talked about getting a conflated 1:100,000 and start evaluating as a tool to use in the interim. After the evaluation process, will need to make available as soon as possible because people can use it in the interim, because we will not have full high-resolution for a while.

Rob Surber, MIC, added that MIC is working statewide compilation and quality control procedures. MIC is writing programs from the transportation linear referencing, polygon building, data matching, and other features. Bill Enslin, MSU, has already done work, but MIC is going to do another round.

#### F. National Pipeline Mapping System Update

Rob Surber, MIC, reported that MIC applied to become the state repository for the pipeline mapping with the U.S. Department of Transportation (USDOT). The primary goal is to map hazardous liquid trunklines and natural gas transmission lines within the state. The internet address is [www.npms.rspa.dot.gov/default.htm](http://www.npms.rspa.dot.gov/default.htm). The program nationwide has been good with the hazardous liquid, but has been weak with natural gas and Michigan is a big natural gas state. The USDOT re-opened the announcement for MIC to apply. This is a multiyear project. There are 14 states currently involved. The USDOT contacted the Public Service Commission to see if they were interested in being the state repository, but they did not have the staff or resources. The Public Service Commission will send a joint letter with the MIC to the pipeline companies to let them know that the state is going to be the repository. The Great Lakes Commission has done some mapping of the petroleum pipelines and they will make their information available to the state. There are close to 8,000 linear miles of pipelines in the state. The bulk of the work

will be done during the next calendar year, if pipeline companies cooperate. Rob is estimating a year of major workload and then a year of dissemination of products. A requirement of the repository is to provide this data to any and to all interested parties, this creates dissemination requirements. In addition, some of the pipeline companies don't have digital capabilities. Therefore, 50% of data may come in as paper form and 50% in digital. There are ten major pipeline companies in the state. The USDOT is asking for at least 20-30 attributes. There is an 'operator id link' that will be the key between the map and the database. Programs have been written for the pipeline companies to download Microsoft access and database entry programs. In the application, it was indicated that there is interest from many state departments in this program. MIC is proposing that the first round not be integrated topologically with framework but framework will be used as part of the location based referencing. When standards are established, the pipeline data will be totally integrated with framework.

Steve Miller, MDEQ, asked how open is the data when complete. Is it considered confidential.

Rob Surber, MIC, responded that this is not confidential. That is part of the requirements is that the data be wide open. This data only of main lines, does not include collector or gathering lines. If the state is interested in supplementing the original data, adding the gathering lines would be a nice complement.

Kathleen Weessies, MSU Map Library, commented that at the IMAGIN conference, there was a Consumer Power presentation with individual paper cards for each gas customer. They scanned the sketch of the property showing the width of the pipe, where it hooks to the house, and attribute information from a database.

Rob Surber, MIC, stated that there seems to be a consensus that they would like to have the information available. They could look at their competitors' lines. Some who don't have mapping capability would like to have map products to put on their wall. They may have detailed engineer drawings or general wall maps, but not the functioning Geographic Information Systems (GIS) product with good detail. This includes hazardous liquid and oil. The Great Lakes Commission has mapped the majority of the oil lines. Rob anticipates mailing letters by the beginning of the new fiscal year, October 1. After the initial letter, follow-up letter, and 'how to' packets are mailed out, it will be a while before information starts to come back.

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

Sherm Hollander, MDNR, had nothing else to report.

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

Joyce Newell, MDOT, reported that Michigan State Industries (MSI) is working on the attributions for Oakland County. The Oakland County Act 51 maps are completely different from rest of the counties in the state. This has caused delays but MSI is making progress. Wayne County has been mailed to MSI.

Everett Root, MIC, stated that he talked with Carol Woodman, MSI, who said that their staff is all working on Oakland County and it would be a couple of weeks. MIC may cut a new copy at that time because MIC continues to work on the trunkline.

Joyce Newell, MDOT, reported that MSI is also adding Highway Performance Monitoring System (HPMS) identification to all federal aid qualified roads. MDOT will then begin collecting data using framework. At this time, MSI has completed all of the Upper Peninsula and 23 counties in northern Michigan. A by-product of having segmentation on framework is that they can now plot old 'needs' data for the federal aid roads. HPMS id's are on maps from 1984, therefore questions arise that cannot be resolved. The Annual Average Daily Traffic (AADT) is the only data for reporting to the Federal Highway Administration (FHWA) and

HPMS. The AADT is a starting point for estimating annual vehicle miles traveled for Michigan. The new AADT data is would be collected using physical reference (PR) mile points in framework by segments and could update it considerably. The data will not be used for any current analysis, but for historical purposes MDOT does have it. This is a file that was sent to each county in 1984 and they were asked to number all their roads, provide certain data and return it to MDOT. Much of the data is estimation and varies by county. The federal law requires it to be done every 10 years but there is no leverage to enforce the law. MDOT cuts new data based on samples. A better use of this data might be for surface type - number of lanes, etc. Data has changed from 1984, but might be a starting point.

Rob Surber, MIC, stated will be able to map 'up to the minute' status on construction projects in GIS in any given point in time. An ArcIMS application can put up informational notices about road conditions.

Joyce Newell, MDOT, added that MDOT could also put up the 5-year plan of projects and when scheduled to begin. This has high interest within bureau. They want to be able to map road projects.

Rob Surber, MIC, asked if there has been discussion with e-Michigan regarding providing this information for the travel and recreation part.

Joyce Newell, MDOT, responded that she was not aware of any, but if it probably would be as soon as they can plot.

Rob Surber, MIC, asked if SEMCOG keeps track of construction projects in their region.

Ann VanSlembrouck, SEMCOG, responded that their Transportation Improvement Projects must get that information from MDOT and use the linear referencing system to map. Also do have traffic counts on model but not from framework, unsure where that data come from.

Joyce Newell, MDOT, commented that MDOT plotted the route system by using linear referencing and then attaching data. MDOT also discussed with MIC how MDOT will pull ACT 51 certification into framework and streamline the certification process. There is a lot to work out.

Rob Surber, MIC, added that it is a promising project for the update and maintenance of the base map. It is critical project for the state in regards to keeping the base map current.

Joyce Newell, MDOT, added that if MDOT keeps the process as it is now, it adds a full year to get the data into framework.

Rob Surber, MIC, commented that they talked about the possibility of providing new roads information over web.

Joyce Newell, MDOT, added that money and legal requirements are attached and need to make sure that everybody is in agreement to change the technology there are using. MDOT is interested in using REGIS' centerline file, which is completed to framework. MDOT knows that it will not correspond 100% to begin with. REGIS is planning to get attribution from framework. MDOT and REGIS use the same photography.

Rob Surber, MIC, commented that there are model differences to account for.

Bill Enslin, MSU Center for Remote Sensing and GIS, added that he is interested in how governments price photos in the future. At the ESRI Users Conference a lot of commercial companies who are in the market of acquiring photography. Air Photo USA (on the Map Quest site) flew 1-meter products for Lansing, Grand Rapids, and Detroit last fall. They have 1-meter products available. Kodak is flying 6-inch pixel in the Detroit area this fall. There are other companies doing the top 100 cities for the real estate markets. Hopefully, this will provide high quality data less expensive. Some companies will be doing it every two years.

Rob Surber, MIC, asked if the state could buy it and share it with all state agencies.

Bill Enslin, MSU, responded that it could be a good alternative. For "X" amount of money would get an update of a region.

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

Steve Miller, MDEQ, reported that there is a lot up in the air, but there is nothing new. A consultant has been working on a One-Stop Shop System. MDEQ is not happy with the direction it is going. The consultant didn't understand GIS. They will have something by January.

VI. Michigan State Police (MSP) Projects and Activities

Eric Nischan, MSP, reported that they started testing an assessment of ARC Pad Version 5.01. They are trying to get Version 6 global mapping. Version 5 can only use Trimble's proprietary code to collect global position system (GPS) language data. They now realize that their GeoExplorer 3 does not output that signal. Version 6 works well with framework. MSP will be collecting data for flood and storm damage assessments. Another application may be to assess a nuclear disaster.

Rob Surber, MIC, asked how the MSP GIS committee that was to report to the MSP IT brass is going.

Eric Nischan, MSP, responded that the body decided to meet as needed.

Rob Surber, MIC, asked if there wasn't a report or strategic plan that was due.

Eric Nischan, MSP, responded that department consultants were hired to do the report are not familiar with GIS. The report was forwarded on but Eric has not heard anything more about it.

Rob Surber, MIC, commented that this could be potentially a real good vehicle and would be of general interest. Rob asked Eric share information as it moves along.

VII. Michigan State Industries (MSI) Projects and Activities

Nobody in attendance.

VIII. MIC Projects and Activities

A. Tax Land Project Update

Rob Surber, MIC, reported the Lieutenant Governor conducted a press conference last week in a section of the city where the state is turning over Detroit tax reverted properties to non-profit groups and homeowners for revitalization. People are converting the properties into livable homes. Thirty properties were transferred and this is just the start of an on-going program. This is a multi departmental effort. The system has many photos of properties to see if the property is a potential candidate. After the press conference there has been additional strategic planning happening that could feed into the application. At this time only state agencies are tapping into it, but eventually non-profits can start looking at this through the Internet.

Ann VanSlembrouck, SEMCOG, would like to have this demonstrated at their next regional meeting.

B. Census SF1 Release

Rob Surber, MIC, reported that the SF1 data (100% data on short form in addition to what was sent out with redistricting data--limited version of P.L. 94-171 racial components and voting age population) was released this week and is on MIC's web site. All data and reports are available.

Kathleen Weessies, MSU, commented that the federal census site does not have that data for Michigan.

Rob Surber, MIC, responded that he wasn't sure what the feds are doing, but the data is available on MIC's site, through the federal repository libraries, and affiliates. MIC is also releasing cartographic framework version of block group and census tract maps, which will be put on MIC's web site on a flow basis. SEMCOG region is not available yet because the final

check is being done. Most of the maps are single sheets with the insets around the edges. Wayne and Oakland Counties may not be done that way because of the size, but Kent County did fit on one sheet. Hope that this will meet general users' needs. These are e-size maps.

Ann VanSlembrouck, SEMCOG, stated that they are working on a similar project. Now she is wondering about duplication of efforts.

Everett Root, MIC, brought a map to the meeting for people to review.

Rob Surber, MIC, passed around a list of counties that are done. The maps are done on framework.

### C. Link Michigan Project

Rob Surber, MIC, reported that the Link Michigan Project is a state of Michigan project. There is a request for purchase (RFP) going out. One of the goals is to provide broadband, voice, and video services to all building and offices for the Michigan State government, K-12 schools, higher education, libraries, and non-profit public health facilities. Part of the RFP is that the telecom services support locating where trunkline need to go to service these entities. One of the things that MIC is tying in Statewide Land DataBase (SWLDB) by creating a link between Project Main and work location codes, numbers of employees, type of employees. SEMCOG may be interested. Anticipate having done in August. Displayed an example of Houghton County – major color coding is by tract, sub-divided by dashed line representing block groups, city and township boundaries. There is a single sheet for all counties so far. Most framework roads are named.

Everett Root, MIC, added there is a named roads layer and unnamed roads layer as a background. They are using the river polys and lakes polys to supplement.

Rob Surber, MIC, stated these are in PDF on the website. Not everybody has plotters. Maybe somebody can help provide expertise to help staff to find a way to tile at same scale and series of 8 ½" X 11" that can be pieced together. There is no way to get this information to legibly show on a 8 ½" X 11".

Everett Root, MIC, asked Sherm Hollander, MDNR, is there an ERDAS product that takes something and tile it keeping the same scale.

Kathleen Weessies, MSU Map Library, added that it is possible to tile in PageMaker, but doesn't think that it would display a PDF.

Rob Surber, MIC, stated that they need a way to get to tile raster version. Then people can print 1 of 20 and piece together or go to the one that they need. It is available in black and white and color. The other option with PDF is that it is possible to zoom into area and print out a section if want a specific area.

Bill Enslin, MSU, stated the Adobe has scalable vector graphics format that may provide additional capabilities. ESRI is coming out with ArcReader, which may be another alternative. Could possibly package a final map and have a free viewer available that would probably provide the capabilities to print out subsets.

Rob Surber, MIC, commented that MIC will continue to investigate. The goal is to make it as easy to use as possible.

Kathleen Weessies, MSU, stated that she intends to acquire whole set. It will be at least \$50 per plot, but needs to buy a plotter. Can refer requests to the library once she has the sets available.

Rob Surber, MIC, added that there are more sheets at the Census Bureau. Rob commented that he is unsure how this work meshes with SEMCOG's work.

Ann VanSlembrouck, SEMCOG, stated that they are working with a small budget. Their Information Services Department decided that a book is better than e-size map. Some of it will have to be a fold out 11" x 17" with many insets. It will be black and white, possibly one color. Must have some road names and highways.

Kathleen Weessies, MSU, commented that if available in MrSID format she could uncompress it on her desktop, put into PageMaker, and tile it out.

Bill Enslin, MSU, mentioned the DeJavu in Lizard Tech has a competitive product to PDF.

Rob Surber, MIC, stated MIC is providing census of state government locations and their employee counts for Link Michigan. If MIC ties into MAIN database, MIDB, there is potential to cross reference locations based on attributes of employees. Also have all universities, colleges, K-12, Michigan public library data, but are trying to track library counts of staff. This will end up in the statewide data base archives. Out of that may be a need to map high transmission lines because of right-of-ways. Rob talked the Electric Division of Public Service Commission.

Bill Enslin, MSU, commented that the State Library has a cemeteries file that he periodically thinks of. It showed the geographic locations and a database associated with it. It would be a useful data set to pull in.

Kathleen Weessies, MSU, added that those files are usually compiled for genealogical purposes and may not be accurate enough geographically for incorporating in.

Everett Root, MIC, added the MIC put the capability to highlight cemetery roads in framework.

Bill Enslin, MSU, commented that this would be a useful file when planning.

Eric Nischan, MSP, commented that cemeteries use GIS to keep track of individual plots.

Bill Enslin, MSU, stated that a ESRI presentation that he attended, there was a company in Ohio that has six cemeteries on-line.

Ann VanSlembrouck, SEMCOG, added that when she worked for Waterford Township, they meet with cemetery to see if this would be helpful to them. The cemetery said that it would definitely be beneficial.

Rob Surber, MIC, commented that if the state of Michigan is doing genealogy statewide, it would be helpful.

Everett Root, MIC, stated that e-Michigan is starting to talk about many points of interest and that might be one.

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

Bill Enslin, MSU, reported that they have been relaxing and retooling. They have geared up hardware to put together ArcIMS hardware/software components. They have three types of machines – web server, ArcIMS spatial server that does the mapping separate hardware for posting the data in SDE. They are in the process of upgrading to the most recent version of SDE. They got the new version of ArcIMS 3.1 up (they haven't officially received it, but have a test copy). The new version for Arc Internet mapping stuff is more stable than previous versions. There is more effort on site started kits. They are moving applications built in 3.0. They are putting up data download site to go out with the map image viewer so that users can download data. See <http://data.CRS.msu.edu>. It has a clickable map and can filter by county or theme. There is also a FTP site with links to download all files for county.

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

Nobody present.

#### XI. Regional Projects and Activities

Ann VanSlembrouck SEMCOG, reported that they are working on block attributes. They are almost done with St. Clair and Livingston Counties. Then they will start on updates Monday.

They have had training going on with MSU. They have been working on tract maps. SEMCOG is trying to move to ArcInfo 8.1. Brought a flyer advertising the Midwest/Great Lakes ArcInfo Users Group conference scheduled for September 24-26,2001. See <http://www.isgs/uiuc.edu/mwarc/>

Rob Surber, MIC, commented that he had questions on bus routes and framework to discuss later with Ann. Michigan Family Independence Agency (MFIA), Career Development and MDOT want to look at the Welfare to Work Program and specifically how people get to work. A big part of this GIS project is bus routes.

Ann VanSlembrouck, SEMCOG, commented that they have bus routes for SMART and DDOT, but that she is not sure of their accuracy.

Rob Surber, MIC, added that MDOT is lead in UPTRAN.

## XII. Federal Projects and Activities

Nobody present.

## XIII. Other issues

None.

## XIV. Next Meeting Date

September 6, 2001, 10 a.m. until 12 p.m., Michigan Information Center, George W. Romney Building, 111 S. Capitol, 10<sup>th</sup> Floor, Lansing, MI 48933

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