

GIS Users Meeting October 2014 Minutes

Welcome by Everett Root, Office of Technology Partnerships

Introductions-

Federal

USGS – Charley Hickman – It is a new Federal Fiscal year. New USGS Topographic maps have been released. Michigan has 1300 new maps, PLSS and shaded relief are on the maps and they are available online, and the symbology has been improved. Go to website for details. Everett is the primary contact for Lidar in Michigan. National Hydrography Data set is continuing to look for active data stewards for the program. Michigan Association of County Drain Commissioners has a final report coming out, and will be put on the Michigan web site.

State

State Police - Nikkia Anderson – State police has been dealing with SE Michigan flooding. A presidential declaration so very busy with that. SEOC drills and exercises were conducted this month.

MDOT – Frank Boston – Updating the CORS Stations, there are a few left to do in SE and SW Michigan. Working on a pilot Mobil LIDAR project in Muskegon County. Drive major corridors thru the area. They are hoping to prove that higher density spatial data collection of LIDAR. What is optimal for control schemes? Need to estimate statewide costs. Kent County Lidar has arrived.

Joyce Newell - PASER Rating is almost complete for the season and it shows that the roads are getting worse. Sent documentation for NFC and NHS reviews. Defines changes in function that will affect what roads will get federal funding. New chair is Roger Stafford for TAMC Council, Vice Chair is Bill McEntee.

WDA – Lloyd Conway – Mapping plant closings around the state evaluating Q-GIS, as a tool.

DEQ – John Esch – New Geo Web Phase II application is out for Oil and Gas, Groundwater Hydrology. 120 layer additional functionality.

Office of the Great Lakes – Yu-Chen Wang – Coastal Wetlands updates, doing assessments. Working on trails along lake shores.

CSS - Everett Root - 10.2 Server is up and running, half the applications have been migrated, but there is a bug in the identify coordinate information. Waiting for 10.3 release to continue the migrations of data.

MISAIL 2014 flights are complete, most are processed and are under review. Kent County LIDAR has been delivered 2015 Flight Planning continues. Anyone interested in 2015 flights please contact Everett. 13 counties of LIDAR will be collected in 2015 paid for by FEMA. Would like feedback on GIS Meetings. Considering 4 meetings in Lansing and 2 remotely. If anyone has suggestions let Everett know. Midland County has offered to host a remote meeting. Saw Grants are allowed to use grant money for imagery.

GDL has been updated to version 14. We have new adjusted Urban Census areas. MiPage mobile application is continuing to be updated. Version 14 framework has been added to the applications.

2015 Framework is up and running and accepting changes. Mid year delivery on October 16, 2014. Strict delivery date of February 1st, 2015

If any counties are doing precinct mapping Bureau of Elections is interesting in seeing what is out there. Please contact Nicholas Daum or David Tarrant.

Looking for ideas for presentations for the GIS Meetings. If you have any ideas please contact Everett or Josh.

Associations

IMAGIN – Tom VanBruggen – IMAGIN conference will be held in Traverse City, at the Great Wolf Lodge, June 7th thru the 9th, 2015.

Local

Chris Cantrell – Midland County – Partnerships with townships 9 out of 16 are on board. Isabella, Saginaw and Bay are working with Midland County on an Environmental Health Mobile data collection for septic and sewer.

Trevor Floyd – St. Clair County – GeoCortex Software is being implemented. They are working on getting their servers talking.

Kevin Funtik – Wayne County – New Jail Management System. Has a small GIS component for addressing verification. Motor City Mapping is starting to map Hamtramck and Highland Park. Want to publish data online. Lots of data requests. UDIG GIS can handle Michigan Georef projection.

Andrew Hartwick – St. Joseph County - Re-monumentation Counties are re-writing plans. LCRC's must have Lat/Longs on them. Co-ordinate requirements must be written into the County Plans. They must be updated by 2017. Tier 3 funding has gone away. Money generated is the same, but how it is being distributed has changed.

Sandon Lettieri - Livingston County. 10.2 Server migration is almost complete. Parcel Fabric has been migrated over, and they are building applications on ARCGIS online for the website.

Brent Thelen – Calhoun County – Moving from 10.0 to 10.2 as part of the SAW Grant. GIS Department has moved out of Equalization and into Community Development. Working on mapping Parks inventory.

Chris Bessert, Allegan County – All main data has become available for free. Aerial review. Collaborating with the city of Holland for parcel mapping. Transitioning from Map Info to ESRI Arc GIS 10.2.

Regional

Tri County Regional Planning Commission – Laura Tschirhart – 2015 Coordination for aerial flight for Tri county area. Everett has been great!!

Updating Long Range Transportation Plan. Non-Motorized task force is working on updates.

SEMCOG – Mark Jones – Regional non-motorized plan is almost complete. Redesigning the Web site. Preparing for 2015 aerial acquisition flights, they are on schedule. 2.4 million Building footprints are complete.

Others

Angela Zazula – ESRI – First time at MICAMP this year. ESRI would like to pull together a state wide user group once a year. AGO comes with desktop license. Please give her feedback on ESRI presentation at MICAMP.

Mike Cousins – OHM Advisors – Busy with SAW Grants throughout the state and mapping out highway signs for MDOT.

Bob Goodwin – MSU – ESRI Training Nov. 10th-13th, SAW training Dec. 10th-12th. Seed money from Ag Bio Research for UAS collection of data. Contract with City of Monroe for Mobile Lidar. Digital Archive, Michigan Map viewer is being replaced with an ArcGIS new service.

Clare Pederson – MSU Invasive Species (MISIN) – Working on geospatial data exchange with DEQ and Great Lakes Commission. Trying to get tracking information on the web site for treating invasive species. Mobil applications for both iphone and android.

Travis Perkins –MSU Invasive Species - Funded by grant money. Working on Gypsy Moth migration. 11 state area with 80,000 traps. They are moving to a more mobile environment. Live map server in Java script, for android and iOS phones. Mapping Emerald ash borer. Trying to introduce natural predators from China for the ash borer. Gypsy Moth program has been around for 15 years. Spraying is based on trap counts and egg masses.

Sanchit Agarwal – Sanborn – Finishing up 2014 program. Oakland County is the only outstanding delivery. Delivered the Kent County Lidar, going thru QC process. Chris Anderson is working with Everett on the 2015 program.

Cheryl Trine - Andrews University – Mapping trails in Southwest Michigan.

Randy Nagel – US Fish and Wildlife – Species habitat modeling and wind and solar energy. Visiting MI from CA. Originally from MI.

Special Topic

MICAMP Update by Andrew Hartwick. MICAMP had an excellent showing this year at Boyne Mountain, September 17 – 19, with 180 people, and 22 vendors attending the conference. Andrew is no longer president and Brent Thelen is now a board member. Chris Cantrell of Midland County is the new president of MICAMP. MICAMP has participated in a grant from ESRI to Eastern Michigan University to get GIS into K – 12 schools. Need GIS professionals to help implement ESRI programs. 70 interns will be available. Focus on the cities of Detroit, Saginaw, Flint, Grand Rapids and Eastern UP. December users group will have a presentation. Next year MICAMP will be back at Boyne Mountain, September 16th-18th, 2015. Looking for presentations.

Sanborn Presentation by Sanchit Agarwal

Available on Website:

http://www.michigan.gov/documents/cgi/LiDAR_Oblique_Presentation_Michigan_Oct2014_reducedsize1_471513_7.pdf

Lidar and Oblique Solutions. Oblique photography was not originally part of MiSAIL, but can be purchased under the SOM/Sanborn contract. 2015 Lidar – 13 Counties, 10,600 miles. Level 2 quality to USGS specifications, funded by FEMA. \$1.5 million dollars of data and it includes Base Product, Classified Point Cloud, Bare earth surface, and Hydro flattened base earth. FEMA funding available but must be QL2 or better. New Standards, New Terminology about accuracy assessments are coming from USGS. Water bodies bigger than 2

acres are flattened and rivers wider than 100ft are flattened. Lidar used for contouring, and building extraction.

Afternoon Session

Non-Motorized Trail Mapping

Part #1 Presented by: Nancy Krupiarz – Michigan Trails and Greenways Alliance

Nancy will provide an update on the mapping activities in support of the Up North Trails website: www.upnorthtrails.org

Part #2 Presented by: Lori Eschenburg – St. Clair County Planning

Lori will be presenting the Blueways of St. Clair website and program. She will highlight how the website was built using ARC GIS and its tools. She will also present the first National Water Trail in the State of Michigan. Marketing the Island Loop Route National Water Trail program is greatly benefitted by using ARC GIS technology to create great looking materials. Lori is currently working on a Blue Water Trail Towns grant with six partners. Lori will show how she is using ARC GIS to display recreation assets, and to communicate a municipality's recreation goals.

Part #3 Presented by: Laura Tschirhart – Tri-County Regional Planning Commission

Laura will talk about how GIS and trails are used in a Metropolitan Planning Organization's Regional Transportation Non-Motorized System Plan along with the partnerships that have developed with local, regional and state agencies.

Part #4 Presented by: Kim Kennedy – Michigan Dept. of Natural Resources (MDNR)

Kim will provide an update on MDNR trail mapping activities in support of the Governor's Showcase Trail