

GIS Users Meeting December 2015 Minutes

Welcome by Everett Root, Office of Technology Partnerships, Center for Shared Solutions

Federal

USGS – Charley Hickman – Nothing new on LiDAR funding. QC of FEMA LiDAR by State and USGS. NHD Requirements and Benefits study, final report expected in the spring.

USGS – Dave Holtschlag – Monitoring changes in inland lakes water levels. Currently reviewing historic data and looking to LiDAR data to update the information.

State

DEQ – Nick Ekel – Environmental Mapper had updates on December 1st. Has the ability to do inquiries, can now export tables, and has a new layer for brownfield loan areas for redevelopment.

MDOT – Joyce Newell – State Trunkline Update. The TAMC site will be more mobile friendly in January 2016. In house software for the Asset Management System will be used in the field. PASER rating have been completed for most counties. Safety Rules from USDOT to be available soon, will be requiring new data elements on county roads.

DEQ– Seth Wright – Expanding Web GIS, and getting tablets out to the field next summer for Aquatic Biologists so they can begin using the ESRI collector application.

DEQ – John Esch- Some groups in DEQ are experimenting with the ESRI Collector app. Attended the LiDAR Seminar at LCC. There was good attendance and feedback from the GIS Day held in Constitution Hall on November 18th.

CSS – Josh Ross – Hard delivery date of February 1st for Framework. Working to implement QVF addresses. Pilot project inputting addresses as rooftop points. There are 4 million records to be mapped. Still accepting changes for 2016 Framework.

CSS – Everett Root – MiSAIL, RFP is completed and the announcement will be made soon. 2015, 16 out of 20 Counties of imagery have been delivered, last 4 will be delivered this month. LiDAR – 13 Counties for FEMA, 11 Counties have been completed, and 6 have passed through QA/QC. The FEMA LiDAR will be delivered to USGS. There are 14 more Counties scheduled for FEMA in 2016 using MiSAIL. 6 Counties will be done this fall. MDARD submitted a USGS 3 DEP Grant Application for another 15 Counties in 2015.

MiHUNT and GeoWebFace and other applications have been updated. Parcel Repository update, currently 6 Counties are participating. Working with ESRI and BS&A to create a data schema to be applied to the geography. Land Value Maps will be able to be generated. BOE, DEQ and MSP are also involved in the project, and County Equalization directors are partnering.

CSS – Mark Holmes – MSP will be testing out applications for the parcel repository. If there are any other state agencies interested, please let Mark know.

Local

Trevor Floyd – St. Clair County – St. Clair County Imagery has been delivered, and up and running. Drain District updates by Spicer. Doing Emergency Management exercises between U.S. and Canada, will use GIS support for the exercises. GeoCortex Meeting next week in East Lansing.

Brody Hill – Kent County – IT Upgrades. Contours have been completed from RS & GIS, and they look good. USGS hosts Kent County Imagery, but they can't host the Kent County LiDAR because it is QL3 and not QL2. FEMA Grant for 400 million for Grand River flooding that happened in 2013. Car found in pond in Bryon Center that was missing for 10 years. Turns out car was visible in pictometry imagery.

Sandon Letteri – Livingston County – Taking delivery of 2015 imagery and getting the data out to the local levels. Had to do a server update to accommodate new imagery. Looking at new permitting system for drain and environmental health. Changes in I-96 and 23 interchange affecting 911 routing.

Emily Renkema – City of Lansing – Public Service Department is working on maintaining and creating asset geodatabase and converting them to City Works. Doing parcel updates in ArcMap.

Rose Anger – Barry County – Updating parcels.

Chris Bessert – Kalamazoo County – Updating public online mapping presence. Roll out internal mapping applications to different departments. Want to allow cities to access data directly. Doing roof top addressing. Working on addressing issues for WMU. Preparing for LiDAR data. Dealing with alias issues for street names for 911 routing, and dealing with boundary issues.

Kevin Funtik – Wayne County – 2015 Aerial Delivery. Working with new county Landbank staff, and Veteran's staff. Working to expand City Works environment, adding web access. Jail Management system going live in January. Formal roll out for Parcel and Imagery public facing viewer this month.

Pete Schneider – Ottawa County – Geo Cortex Insight extension added to do analytics. Using Geo Event process extension for routing snow plows. Parcel Fabric conversion for parcel repository is half complete.

Others

Rick Comstock – Consumers Energy – Governance Committee for all GIS within the company. Big interest in LiDAR, have an UAV with an FAA license, doing pilot projects. Interest in ARC online is growing.

Mike Cousins – OHM Advisors – Saw Grants. Presenting at ESRI Water Conference in February. GIS Career day in Beverly Hill at Berkshire Middle School, in March is looking for presenters. GIS Day at U of M Dearborn, good turnout.

Bob Goodwin – RS & GIS – There are seats open in Beyond the Basics for ArcGIS Class. Intro to ArcGIS 1/28 and 1/29. There is SAW Grants class on 3/10 and 3/11. MDOT custom training project. Doing a pilot project for locating Hemlock trees, using LiDAR. Could be regional or statewide depending on funding. Measuring data and evaluating the outcomes of projects.

Ryan Miller – Wightman and Associates – SAW Grant work. Doing an Electric Distribution project. Municipal ArcGIS online implementations. Having issues loosing edits in Arc and issues saving mxd's. Hosting the SW Michigan GIS Users Group Meeting in March.

Amanda Tickner – MSU Library – Looking for Metadata files. Large grant to create a project for Big 10 Libraries to create a geo data discovery tool. Public Facing Municipal repositories data. Arc Online, you have to activate metadata to be able to create an xml file.

Kasey Wilson – MSU Library – Experimenting with ESRI collector app for pedestrian safety.

Claire Pederson – MSU Invasive Species Information Network – Got a license for Portal. Involved in the MiCOB meeting. Released an update for the invasive species application for the iPhone. Michigan Invasive Species Coalition meeting was held in Gaylord.

Jeff Miller – AEW, Inc. – SAW Grants. Looking at Portal for ArcGIS. Securing LiDAR data for applications for impervious surface analysis.

Eric Valliere/Andrew Rathburn – Title-Check – Wrapped up 2012 tax year auctions. Trying to utilize google applications.

Max Cleaver – Spicer Group, Inc. – Saw Grants. Working on 197 Drainage District Mapping.

Michelle Lafleche – Michigan Fitness Foundation – Working with a web map application that RS & GIS developed, helps partner organizations communicate their programs with one another and conduct needs assessments to see where new programs could be implemented. Interested in Statewide and County Census Data that could be added to the map.

Ryan Schaner – Great Lakes Comnet - migrated data to SQL server.

Regional

Laura Tschirhart – Tri-County Regional Planning Commission –Waiting on Imagery delivery for 2015. The deliveries should start on Monday.

SEMCOG – Next GIS meeting for SEMCOG is December 10, 2015

Associations

IMAGIN – Pete Schneider – IMAGIN hosted Lidar Workshop at Lansing Community College West Campus on November 4th, it was a success, had 100% attendance. IMAGIN 25th annual conference will be a month earlier, May 15-17 at Great Wolf Lodge in Traverse City. **Also, there is a date change for the 2016 Student Paper and Poster Competition it will be on Tuesday, April 5th this year, again it will be at Constitution Hall.**

MICAMP – Rose Anger – Michigan Certified Assessor Training, April 28-30th, 2016 in Hastings, MI. Targeting GIS people and County Equalization staff. Notification will be coming in mid-December. MICAMP Conference same week as last year in September at Boyne Mountain.

Morning Special Topic

How can Michigan accelerate geologic mapping?

Presented by: John Yellich, CPG, Director Michigan Geological Survey

The Michigan Geological Survey (MGS) is charged (PA 167) with assessing the natural resources of the State of Michigan. Today, approximately 10 percent of the State of Michigan has publically available information on the surface and near surface natural resources of minerals, aggregates, water, wetlands, natural hazards and outcrops. All surface geology requires boots on the ground, but today there is a new science to accelerate the MGS assessment. The greatest advances to mapping not just geology but most of our surface resources is **LiDAR**, coupled with “Google Earth” and ultimately confirmation with boots on the ground.

Afternoon Session

LiDAR (Light Detection And Ranging)

Presented by: Steven Cross, GIS Analyst, CSS
Frank Boston, CP, Survey Support Unit, MDOT
Max Clever, Project Engineer, Spicer Group Inc.

Steven will describe current LiDAR activities at CSS:
Status of LiDAR acquisition and delivery, software in use, Quality Assurance process, contour generation.

Frank will describe how terrestrial and mobile LiDAR are used by the MDOT Design division for various projects.

Max will discuss LiDAR and how LiDAR supports hydrology.
Topics covered: bald earth creation, Hydro-flattening, NHD comparison, Hydro-Enforcement and Calculated Watersheds, Field Verified Watersheds, Flood Mapping, DEM Derivatives.