

GIS Users Meeting November 7, 2019 Minutes

Welcome by Everett Root, Office of Technology Partnerships, Center for Shared Solutions. Everett's welcome came from our new location at the State of Michigan Library and Historical Center Forum Auditorium.

Federal

USGS – Charley Hickman- The new counties for 3D LiDAR and Elevation are Saginaw County and Charlevoix County with the islands. Tribal areas are coming once the agreements are in place. Calhoun will be available soon.

USGS Hydrology – Cindi Rachol – Working on Hydrologic studies. Creating a new interactive flood map. Mapping tile drains with drones.

USDA Farm Service Agency – Sarah AcMoody – No updates for NAIP 2020 imagery until February or March.

USDA Forest Service – Debra Veen – Cadillac Office – Huron Manistee Nation Forest. Doing road clean up for motorized trail maps. Forest Service data is available for public download. Trying to get into ArcGIS online and work with collector.

National Guard – Darcia Little – Doing an Eastern Massasauga Rattlesnake study with collector. Just changed data standards, so updating Portal.

Associations

MiCAMP – Trevor Floyd – The Fall Conference was a success at Boyne. Will be renegotiating the contract for the Conference. The user survey is out so please fill that out if you attended the Conference. Esri was at the conference.

State

EGLE – Dale Bridgeford – Doing stuff with collector. Taking pictures with collector and putting them into an access report that can be printed to pdf's so they don't have to be stored.

MDNR – Craig McVean - Surveyor for DNR, Cadillac office. Working on the new Datum for Michigan.

MDOT– Frank Boston – Working on UAV's. Doing mapping, organizing 2700 drone photos. Getting UAS program off the ground. Doing surveys of Airports. Also attended a UAV Exports Conference in Las Vegas. Learned lots. MDOT will be purchasing a drone with LiDAR capabilities. Working on a 3 phase UAV research project. Flew Standish at multiple elevations.

MDOT– Lisa Martin – MDOT Survey Section –

MDOT– Shawn Roy – MDOT CORS – Update on New Datums coming shortly.

MDOT– Karam Khattab – MDOT Metro Region – Doing Pavement Condition Studies. Converting PR locations.

LEO - MDEC– Diane Tuinstra – State Historic Preservation – Working with CSS to build a geodatabase from paper maps to digital. USGS topo's with sites on them are be digitized and geo-rectified.

SLBA– Jennifer Quinlivan – Working on brightfields on state property. Need a buffer of 5 miles from power stations. Currently have 300 viable sites.

MSP – Nikkia Anderson – Working on getting Portal up and running and ArcGIS online.

MDARD – Emma Lee-Conklin – Currently mapping everything by hand

CSS – Everett Root – GIS Day at the State of Michigan had a great turn out. MiSAIL QL2 LiDAR for Antrim and Otsego Counties are at USGS for processing. There will be no flying this fall.

CSS – Ulrika Zay – Been working on getting the logistics for this meeting operational at the command central in the auditorium.

CSS – Tony Olkowski – AGO Administrator and Open Data Portal. Worked with Attorney Generals office to get a disclaimer up for the applications on the Open Data Portal. Also working with the Board of Geographic Names as the Michigan State Geographic Names Authority to approve new geographic names thru a

state process. Continuing working with parcels for internal state use. Currently have 25 Counties in the parcel database.

Regional

Ann Burns – SEMCOG – Doing bike and pedestrian count maps, also a Community Explorer map. Working on an Access to Parks and Amenities Map, it will be an interactive search map. Also doing a hard count Census map.

Brian Pawlik -SEMCOG – Working on Bike and Pedestrian Trails.

Local

Josh Green – Grand Traverse County – Currently upgrading server and updating software for permitting.

Andy Skelton – City of Lansing – Lost City Works administrator, so stepping in to support that. Working on getting Esri geo-events server deployed for real time events. Doing dashboard updates for Emergency Management.

Sandon Lettieri – Livingston County – Doing election mapping from last Tuesday's election. Script would run that would periodically update the results. Working on LUCA for the Census Bureau. Working towards 2020 imagery project.

Trevor Floyd – St. Clair County – Working with Equalization on maps using BS&A software. Lots of change on Building Footprint maps. Making new maps for Emergency Management in geo cortex environment. Playing with geocoders.

Ben Terry – St. Clair County – Doing geocoding for Emergency Management. Fixing parcel with parcel drafter.

Nathan Fazer - Midland County – Doing an Enterprise 2-day deployment with Esri, there have been some SSL certificate issues. Mosquito Control is in the offseason. Will be tweaking program, script downloading of National Weather Service historical data. Are not getting Drone flights in due to the weather.

Susan Moore – Oakland County – Working on Maps for Fire Agencies to be used in preplanning in ArcGIS Online. Using spark box in ArcGIS online. Have tablet on the Fire Trucks now and can use geo-events server with that and create fire dashboards. Revamping the Open Data Portal

Christian Carroll – DeWitt Township – Updating Non-Motorized Trail Map using imagery for ground truthing. Working on Census Bureau items. Also working on the New Construction program.

Virginia VanderVeen – Battle Creek – Deployed City Works environment using Verizon, so had to revamp the system doing scripting and routes mapped to road centerlines. Have a grant for services, have done a lead service verification map, water and sewer tap slips were linked to the parcel layer, which was directly linked to the work orders. Green is done and red needs to be done. The custom fields don't automatically transfer so they have scripted a sub application. Working on a Hydrant winter checking application done in SDE in City Works.

Elizabeth Goble – Battle Creek – Working on Non Motorized Transportation Plan to put up on the website. Starting work on a Business Development online map showing available properties. Also working on a Marijuana Dispensary map and an application for the annual lighting inventory using Arc pad and Trimble to mark where lights are out.

Amy Stuyveiant – Detroit Water and Sewer Department – Working with the Nature Conservancy and Earth Foundation mapping Green Stormwater Infrastructure project where people can see proposed projects. Working on Open Data Portal and Survey 123 and Detroit Stormwater Hub. 2019 Impervious Surface data is coming. Migrating Asset Management to City Works.

Other

Peipei Lin – Spicer – Working with Tuscola County so they can use collector in the field. Updating an inspection application for Van Buren.

Claire Peterson – MISIN – Michigan Invasive Species Meeting is next month.

Amanda Tickner – MSU Library – Open event at the MSU Library for GIS Day on November 13th. Immersive Display room will be open. Working with MSU IT to figure out Esri licensing.

Kasey Wilson – MSU Library – Currently working on 2 projects. First working to extract and vectorize the data of the Map Collection. Mapping voice collections. Also looking into the GISP application process.

Laura Lake – LJB Inc. – Doing data collections using the Collector app offline. Managing AGO accounts for Clients. Set up Hub Pages. Just got drone certified.

Daniel Horn – Seiler Instruments – Working on a contract with MDOT. New company in Michigan.

Ross Whitehead – Wolverine Engineering – Working on converting CAD projects to GIS.

Tom Thomas – Consumers Energy, Working with Real Estate parcel data. Migrating to New Collector from Classic Collector. Cannot track field agents in New Collector, so working to get that functioning in AGO.

Robin Aldrich/ Vicki Enriquez – Michigan Works –Working in ArcGIS for Mapping age groups 15 to 24. Mapping data for transportation and mapping customers for Service Centers.

William Singleton – Ecopia.ai Using next generation automation to extract map features very accurately.

Jessica Kane – Line 45, LLC – OSGO Foundation just started an email list so if you need to be signed up let her know.

Morning Special Topic

Morning Session Special Topic: New Datums for Michigan

The National Geodetic Survey (NGS) is replacing NAVD88 and NAD83 (<https://www.ngs.noaa.gov/datums/newdatums/index.shtml>). Representatives from the surveying and GIS communities have been meeting to discuss how Michigan will address the upcoming changes. This presentation will provide an update on the current status of those discussions.

Presented by: Shawn Roy, MDOT and Everett Root, CSS

Afternoon Educational Topics

Afternoon Educational Topic #1: SEMCOG's Bike and Pedestrian Program

Brian Pawlik of SEMCOG will provide an overview of SEMCOG's Bike and Pedestrian program. SEMCOG has created a Bicycle and Pedestrian Taskforce to help guide the development of an update Bicycle and Pedestrian Plan for Southeast Michigan, originally adopted by SEMCOG and MDOT in 2014. SEMCOG has new mapping resources for this program. SEMCOG partnered with Ecopia.ai to acquire region wide sidewalk and crosswalk data to improve their pedestrian network.

Bill Singleton from Ecopia.ai will provide an overview of how public sector organizations are using next-generation automation to extract highly accurate map features at state-wide scales. Ecopia will focus on their current work with customers across the US including a review of their collaboration with SEMCOG on region-wide sidewalk data.

Presented by: Brian Pawlik, SEMCOG and Bill Singleton, Ecopia.ai

Afternoon Educational Topic #2: State Library Services overview

Matthew Pacer, Library of Michigan Reference Librarian, will provide an overview of the State Library services. A tour of the reference library, which includes the map collection, will follow Matt's presentation for those who are interested.

Presented by: Matthew Pacer, Library of Michigan Reference Librarian