

# GIS Users Meeting February 6, 2020 Minutes

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

## Federal

**USGS** – Charley Hickman- No new LiDAR counties available at this time, but lots of counties are going thru the qc process. There are several areas in the U.P. that still need to be collected.

**USGS Hydrology** – Cindi Rachol – Corps addressing flood issues. Belong to the Michigan Sliver Jackets led by the Army. Need to tap into local damage assessments for flooding and share data for flood warning maps and data. Would like feedback from locals on flooding issues.

## Associations

**MiCAMP** – Nathan Fazer – Planning the 25<sup>th</sup> MiCamp Fall Conference at Boyne. Planning on doing a spring Webinar.

**IMAGIN** – Jason Moore – IMAGIN Conference will be June 7-9, in Kalamazoo at the Radisson Plaza Hotel. Looking for presenters by February 20<sup>th</sup>.

## State

**EGLE** – Shelly Jeltema– Air Quality Division. Updating and migrating python code.

**EGLE** – Mike Sheldon – Oil and Gas. Incorporating drone to map data. Mapping out Methane gas sites.

**MDOT**– Lisa Martin – MDOT Survey Section – Culvert collection has been completed statewide and will be pushed to Portal. Will be pushing data that is from 2016 and forward. Working on maintenance of culverts. Using Smart Antenna tablet solution for collection it brings in elevation on the grid. Ground elevations are not in the ESRI program.

**MDOT**– Mike Belligan – Doing ongoing data maintenance.

**MDOT**– Brian Starks – New Bay Region GIS Planner. Came from an MPO.

**MDOT**– Jillian Newberg– MDOT Metro Region – Student assistant. Switching over to ArcPro.

**MDOT**– Sarajoy Thompson – MDOT Metro Region – Supporting the TSC's. Attending meetings for the new governor's initiative to provide GIS support for those projects. Using ArcGIS online so all could view GIS. Will be doing a road and infrastructure projects at the same time to minimize road closures.

**LEO - MDEC**– Diane Tuinstra – State Historic Preservation – Working with CSS on SHPO project sites 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 – Rectifying what has been sold and getting those properties back on the tax rolls using CSS parcel data.

**MSP** – Nikkia Anderson – MSP has been monitoring shoreline erosion. Training county people on county assessment application using Survey 123 for damage assessments. Will be attending ESRI User Conference in Chicago.

**CSS** – Ulrika Zay – MiSAIL Program and Outreach

**DNR Parks and Recreation** – Jessica Orlando – Moving over to Portal. A lot of behind the scenes work to transfer data. May need to do data cleanup and updates. Crosswalking data into a new model for Portal. Doing field data clean up. Collecting sign data in the spring using Survey 123, hoping by spring that the DNR will have access to that data.

**Michigan Bureau of Labor Market Information and Strategic Initiatives**– Ashely Tarver– Working on Census Data, locations of Nursing Homes and Assisted Living facilities. Need to accurately account for our aging population. Using demographic files to fine where potential worker could be. Working on a dashboard for mapping Adult Education programs. Want to know how many English programs are available by county.

**CSS** – Everett Root - 2022 Datum change proposed. Low distortion zones, 17 zones in Lambert Conformal Conic Projection. There will be a statewide datum. If you are a city that falls in 2 counties, you will have to pick a datum. These are accepted projections so everyone's coordinates will change. Gearing up for the 2020 imagery acquisition. There is a student position open in the CSS Outreach program.

## **Regional**

Jason Moore – GVMC-REGIS – Working on updating utilities, drinking water and sewer. Looking at ArcGIS Enterprise.

Ann Burns – SEMCOG – Doing underground infrastructure assessments. Created a portal to collect data, pipes, water and storm systems. This will give a baseline for status and investment funding needs for infrastructure. Gearing up for the 2020 Census. Released map of hard to count populations in SE Michigan. SE Michigan User Group Meeting will be March 12, 2020.

Alanna Mingay – WUPPDR – Doing Hazard Plans for 6 Counties and 1 Tribe. Doing asset management assessments for MIC. Also doing non-emergency transportation study for the U.P. Trying to find areas of greatest need.

## **Local**

Trevor Floyd – St. Clair County – Working on ArcGIS online. Creating dashboards for local assessors for land maps. Also using dashboard for BS&A data exploration. May put together a webinar presentation.

Paul McCord – Wayne County – Deployed Enterprise GIS, now using portal and training staff. Census maps are up, so the county can get a look at targeted areas, and population growth since 2010.

Nathan Fazer - Midland County – Enterprise system is finally up and running. Equalization is testing parcels in ArcPro. Mosquito Control is doing field planning for the upcoming season.

Christian Carroll – DeWitt Township – Mapping multifamily developments. Working on road projects and infrastructure development.

## **Other**

Airana Toth – Giffles & Webster – Working on SEMCOG grants to digitize infrastructure. Digitizing schemas, planning and zoning and doing precinct work.

Claire Peterson – MISIN/MSU – Working on updating the website and documents. Helping partners get observations and treatments into the MISIN database.

Bob Wilson – Red Cross– Located in southwest Michigan. Mapping out fire alarm installation within Hispanic areas. Also doing damage assessments and assessing logistics of how to get needed items to damaged areas.

Raul Gawan – Red Cross– Located in southwest Michigan. Mapping out responses to home fires.

Matt Hampel – Loveland Technologies – Doing change tracking for parcels across the country and also doing building footprints.

Cathy Zajackowski– Seiler Geospatial – The only Trimble GPS dealer in Michigan. We are available to do data collection.

Blake Girardot – Loveland Technologies – Located in Detroit, is a GIS company specializing in Parcel data. Mapping foreclosure data in Wayne County.

Melissa Salich – Fishbeck – Working on CIP projects mapping lead lines using Survey 123. Deploying Portal.

Stanley LeBrun – Potawatomi Indian Tribe – GIS Specialist/Assistant Planner. Helping to set up a GIS Department and assist in managing the Tribes assets. Plan to launch Enterprise. Will use in building management and interior asset management inventory, fire extinguishers, manage storm water and will participate in the Michigan Imagery exchange program.

## **Morning Special Topic**

Morning Session Special Topic: **The Michigan Infrastructure Council: A Collaborative Approach to Michigan's Asset Management.**

Michigan's increasingly complex and aging infrastructure poses significant challenges to public health, economic prosperity, and environmental quality. The Michigan Infrastructure Council (MIC) and its two sub-councils, the Water Asset Management Council (WAMC) and Transportation Asset Management Council (TAMC) were established to comprehensively and collaboratively address these challenges. With a focus on the role of GIS professionals in best practice asset management, this presentation will briefly introduce the three councils and highlight current opportunities to improve Michigan's dense network of transportation, water, utilities, and communications infrastructure. Presented by: Jessica Moy, Executive Director, MI Infrastructure Council

## **Afternoon Educational Topics**

Afternoon Educational Topic #1: **Michigan Shipwrecks Story Map**

Anna Boruszewski, MDARD and DNR, will share information about the Michigan Shipwrecks Web App. Learn how multiple agencies came together to produce this product as well as various types of widgets utilized within the web application. This interactive map can be used to:

- Find shipwrecks, lighthouses, boating access sites, and download data (.kml, .shp, .csv)
- Search for shipwrecks by name or location
- Customize background to navigational charts, imagery or street view
- Print a PDF map designed by you

Presented by: Anna Boruszewski, Michigan Dept. of Natural Resources and Agriculture and Rural Development

Afternoon Educational Topic #2: **MI Statewide Hydrography Dataset Update.**

Currently, the State of Michigan, in partnership with Federal agencies, is acquiring Statewide high-resolution LiDAR data at limited cost due to Federal funding. The LiDAR data represents a level of topographic precision over 10x better than the previous national elevation dataset. At the same time, methods for analyzing landscape water flow have become more efficient and computing power has increased exponentially. For these reasons, it is now possible to generate more accurate and precise hydrography data in an efficient, semi-automated manner. This presentation will report on the pilot studies completed to date. Presented by: Nick Weil, MSU Remote Sensing and GIS and Mark Holmes, Center for Shared Solutions