

Southeastern Minnesota GIS Users Group

Meeting Minutes

Rice County Government Services Building, Faribault, MN February 23, 2017 9:00-12:00 pm

Attendees:

Thomas Walker – WSB & Associates

Leanne Knott – Goodhue County

Chad Nunemacher – Houston Engineering

Kate Meixell – OPU

Frankie Mpagi – Winona County

Mike Fangman – Rice County

Adam Iten - MnGeo

Travis Swanberg – Steele County

Bryanna Sudman – City of Northfield

George Phillips – LeSuer County

Rubin Seifert – City of Owatonna

Jonathan Graves – Waseca County

Justin Lutterman – LeSuer County

Gordon Robertson - RPU

Shawn Gertkin – Wabasha County

Dave Wavrin – OPU

Michelle Trager – Rice County

Dan Krzoska – Houston County

Josh Schoen – Rice County

Ashley Ignatius - MPCA

Justin Fuchs – Rice SWCD

Joey Nadeau – Winona County

Nick Flatgard – Steele County

Meredie Sexton – Mayo Clinic

Sue Worms – Rice County 911

Nick Meyers – Bolton & Menk

9:30 am Meeting Started

Ditch Buffer Project

Nick Flatgard – Steele County, Jonathan Graves – Waseca County

- Nick Flatgard and Jonathan Graves presented on their joint project to delineate and buffer the top of ditch banks using geospatial analysis. Their project was in response to the need to tax land use by type and for Ditch Buffer ordinance enforcement.
- Nick and Jonathan described their full model including Extraction, Hillshade, Classify and Create Berms processes.
- Field verification with GPS points was included in the project. Nick and Jonathan discussed use of handheld GPS units and field measuring for transects. Zonal Statistics was utilized for combining hillshade values and intersection GPS ground control points.
- The process for berm extraction was described, including reclassification and comparing the percentage of complete berms based on extract value and standard deviation.
- Target enforcement for buffer violations was discussed, including violation types and ditch buffers land use.

GIS for Managing Water Project Life Cycle Notifications

Gordon Robertson - RPU

- Gordon Robertson presented on Rochester Public Utilities solution for managing water project life cycle notifications. The project was initiated in response to the need to address paper-based workflows, duplication of data, staff turnover and position changes in Public Works and RPU, and field inspections being missed with resultant warranties expiring.
- The water construction projects proposed workflow was discussed, including integration of GIS data with testing and email notifications.
- Mobile solutions included a separate GIS database created in SDE, non-versioned editing of published services on ArcGIS Online account, and the use of Web AppBuilder for office desktop browsers and field iPads. The use of Esri Geoevent for notifications was also discussed.
- Gordon discussed the use of Operations Dashboard for Managers to track projects and usage.

Rice County Updates

Michelle Trager – Rice County

- Michelle Trager provided an update of Rice County projects, including updating her National Registry of Historic Places app with a new Esri Story Maps template.
- Other projects included an updated version of the Rice County Highway Map, a Damage Assessment App and Flooding App for Emergency Services, a Drainage Model for ditches, profile points, structures and benefitted parcels.
- Michelle described Rice County's participation in the MN Geospatial Commons including posting Public Drainage Systems Hydrology, Parcels, Address Points, Ditches, Roads, and Parcel Points.
- Rice County is providing updated data for NG911. Updates include fixing minor community name issues with MSAG, Centerline, and Address Points, bringing a CTU field into centerline and address point data, and working on a final decision on ordinal use.
- Michelle included updates from MN GIS/LIS Consortium: Spring Workshops will be held at the U of M in Minneapolis May 17th, the Annual Fall Conference will be held in Bemidji October 4-6 and volunteers are needed for those events.

NG911 Update

Adam Iten – Enterprise Services Project Management Office

- Adam Iten presented on the Emergency Communication Networks Next Generation 911 GIS Project managed by Minnesota IT Service Geospatial Information Office.
- Goals for NG911 GIS data include location validation of devices capable of calling 911, routing 911 calls to the proper destination, determining the correct emergency response agency, enhancing data quality and interoperability, and streamlining data maintenance.

- Project update and 2017 were discussed, including MN NG911 GIS data standards, GIS data preparation, GIS data maintenance, and communication plan.
- Additional State updates provided below.

Statewide Update - MnGeo

- DPS Crash Portal Project: Collaborative Project (MnGeo and MnDOT) to provide the Minnesota Department of Public Safety with web services and data to be used in their recently released crash system. This will allow officers to map the locations of vehicle crashes and pull information from GIS data rather than having officers enter location information manually.
- Drainage Record Modernization: Produce a GIS database template and accompanying data standards for Minnesota's public drainage system.
- MN Geospatial Commons
- Master Contract for Aerial Imagery Program: Pre-approved vendors from which State Agencies and Cooperative Purchasing Venture member organizations can contract for medium-to-high resolution imagery and LiDAR acquisition services in a streamlined process through individual custom work orders.
- Online Editor for Emergency Service Zone Boundaries: PSAP, Fire, Law, and Medical local partners edit online to remove gaps and overlaps in lines and polygons.
- State Archeologist Web Application: Digital, secure system for managing inventory of archeological sites, surveys, and associated forms and documents.
- Parks and Trails web applications.
- MN Telephone Exchange Mapping: Utilizing ArcGIS Online for web-based review and editing benefiting PUC, Electric Utilities, HSEM, businesses and general public.
- Wind turbine and inventory analysis.

Steering Committee Business Meeting

- Leanne Knott provided an update on the spring Steering Committee election process.
- **Goodhue County will be hosting the next Southeastern MN GIS Users Group Meeting Tuesday, June 20th at the Goodhue County History Center.**

12:00 pm Meeting Adjourned

** Members are encouraged to present at a future meeting and to offer suggestions of vendors or other agencies to present. Please contact a Steering Committee member or the next meeting's host if you are interested in presenting.

Jay Forstner

GIS Coordinator

JForstner@RPU.ORG

Rochester Public Utilities

Phone: (507) 280-1609

Leanne Knott

GIS Systems Specialist

Leanne.Knott@ci.red-wing.mn.us

City of Red Wing

Phone: (651) 385-3619

Michelle Trager

GIS Coordinator

mtrager@co.rice.mn.us

Rice County

Phone: (507) 332-5950

Greta Poser

St. Mary's University of MN

gcbarn07@smumn.edu

Resource Analysis Dept. (GIS)

Phone: (507) 457-8739

Ashley Ignatius

GIS Analyst - MPCA

Ashley.Ignatius@state.mn.us

Resource Analysis Dept. (GIS)

Phone: (507) 206-2614

Meredie Sexton

Emergency Management Assoc.

sexton.meredie@mayo.edu

Mayo Clinic

Phone: (507) 538-1916