

# Southeastern Minnesota GIS Users Group

## *Meeting Minutes*

Minnesota Pollution Control Agency Offices – Rochester, MN – July 31, 2014    9:30-12:00 pm

### Attendees:

Tom Hoffmann – Winona County

Leanne Knott – City of Red Wing

Ashley Ignatius – MPCA

Alan Laumeyer – Goodhue County

Tom Chambers – Goodhue County

Michelle Trager – Rice County

Mason Johnson – MPCA

Jonathon Graves – Waseca County

Matt Naatz – Dodge County

Ryan Thesing – Dodge County

Ben Ronsh – MPCA

Robert Kostake – MPCA

Jessica Brennan – Dodge County

Casey Scott – MPCA

Todd Zielsdorf – Winona County

Greta Poser – St. Mary's University

Pat Bailey – Minnesota Department of Health

Ruth Betcher – MnDOT

Jay Forstner- RPU

Norm Anderson - MnGEO

9:30 am    Meeting Started

## Experiences Teaching AGOL for Minnesota Department of Education

### *Ashley Ignatius – Steering Committee et al*

- Ashley led a discussion on her experience teaching ArcGIS Online to area teachers for a program developed by the Minnesota Department of Education. Overall she felt it was a successful effort but some of the challenges included varying degrees of computer fluency among the teachers and that she wanted more time.
- Michelle Trager commented that the teachers were appreciative of the training but that they wanted more 'canned' curriculum.
- Norm Anderson from MnGEO talked about MDE working to develop coursework to include Esri Maps for Office. He also talked about marketing partners and online packages for the coursework.
- Reasons that teachers came to the training: They received 3 hours of education credits and they felt a desire to use more GIS in their lessons.

## Stevens Point Flowage Bathymetric Map

### *Mason Johnson – MPCA Summer Intern*

- Mason discussed his project proposal to map flowage for future planning for Steven's Point. He talked about the survey equipment and methodology for the project and how the project solution included building community partnerships and establishing community support for map distribution.

- Mission planning included pre-survey planning to include 300 ft transects. Data collected by the Trimble collector was brought into Excel for post-processing and combined with digitized shorelines. A TIN (Triangular Irregular Network) model was created. Contours and bathymetry yielded the flowage model.
- Over \$5,000 was raised between 20 community partners to cover printing costs resulting in 6,000 printed maps that were then distributed to the community.

## Creating an ArcGIS Online Web Mapping Application from Discharge Monitoring Reports

*Casey Scott – MPCA*

- Casey gave a presentation detailing a project to provide better access to Wastewater Data Discharge Monitoring Reports (DMRs) data utilizing ArcGIS Online. 15 years' worth of records from approximately 5,000 facilities was utilized to create the application.
- DMR reports are submitted to the MPCA and stored in an enterprise database.
- Enterprise database at MPCA currently contains 700,000 flow and total phosphorous records, while their Access database pairs the values by month. Categorical concentrations are based on facility size and type.
- Casey demonstrated the 'two-pane' version of an ArcGIS Online map to show the discharge locations and volumes. AGOL maps showing open phosphorus, open facilities and open watershed comparisons were demonstrated.
- Plans to track additional pollutants using the same methodology were discussed.

## Using ArcGIS Online to Update Telephone Exchange Service Areas

*Norm Anderson – MnGEO*

- Norm discussed the use of ArcGIS Online to update telephone exchange service areas throughout the state of Minnesota. The first part of the discussion focused on a working understanding of ArcGIS Online as a content management system and tool for collaboration.
- An AGOL workgroup was created from a multi-agency membership to explore the capabilities, create a governance document and set up training.
- Minnesota Maps is the featured content page that includes a link to telephone exchange service areas AGOL map.
- Partners for the statewide telephone exchange include 90+ service providers, Minnesota Telecom Alliance, Dept. of Commerce, MnGEO and the FCC.
- Norm discussed the process for getting different stakeholder groups connected to the AGOL workgroup and some of the technical challenges that needed to be addressed, including feature service permissions and editor tracking and ownership-based access control for feature services.
- Outcomes were discussed, including high participation, significant savings and a public-facing map application.

## Steering Committee Update

- Ashley gave an update on the workshops that will be available at the Minnesota GIS/LIS Consortium Annual State Conference (October 1-3, Rochester, MN).
- **Greta Poser will be hosting the next Southeastern MN GIS Users Group Meeting on Thursday, November 6 at St. Mary's University in Winona.**

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.

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