



Northern Area GIS User Group Meeting

Friday, December 15, 2017

Northern Great Lakes Visitor Center (Multipurpose Room)
29270 County Highway G, Ashland, WI

Agenda

9:00 – 9:15: Registration

9:15 – 10:00: Introductions

10:00 – 12:00: 10 Design Hacks to Help Make Amazing Maps: Ian Muehlenhaus, Director of Online Professional Master's in Cartography/GIS, UW-Madison Department of Geography

Ian Muehlenhaus will discuss 10 tricks that will help you design amazing maps. After reviewing the techniques, he will demonstrate how you can apply them to your own maps to more effectively communicate with the public. It doesn't matter what type of maps you create in your job. It doesn't matter what type of software you use. The tricks Ian will demonstrate can be done using pen, ArcMap, QGIS, or coding. Feel free to bring copies of your own maps, or a laptop, to play around with some of the techniques using your current or previous mapping projects.

12:00 – 1:00: Lunch (provided)

1:00 – 2:00: Drone Demo and Overview of LCO Chippewa Flowage Shoreland Erosion Mapping/Aerial Drone Project:

Todd Goold, Owner, Point North Land Surveying, Aerial Drone & GIS Services

Todd Goold will have his drone on hand (potential of a flight pending conditions) and will discuss how he applies the drone applications to his work. He will discuss a recent project, the Lac Courte Oreilles (LCO) Chippewa Flowage Shoreland Erosion Mapping/Aerial Drone Project. This involved a RTK survey of the toe erosion line for 20 specified islands on the Chippewa Flowage in Sawyer County. Drone flight orthophotography was compared to aerial photos and erosion lines over the past 75 years. The transformation of island shapes were then documented and a mapping database created so that a baseline is in place for future reference.

2:00 – 2:30: Drones: Overview - How to Get Started to 107 Remote Pilot – Small Unmanned Aircraft License: Scott

Galetka, Land Records Administrator, Bayfield County Land Records Department

Scott will discuss the process needed to go about getting your license to fly a drone. He will go over resources he used to pass his test, as well as talk about what Bayfield County plans to use the UAV for and managing the workload.

2:30 – 2:45: Break

2:45 – 4:00: Opioid Epidemic Mapping: Courtney Ripp, Criminal Analyst, Wisconsin Department of Justice

Courtney Ripp is a Senior Criminal Analyst with the Wisconsin Department of Justice and will be presenting on how mapping is utilized for assisting criminal investigations across the state and for informing the public about the recent drug epidemic. There will be examples from various mapping softwares and programs and examples of analytic products from municipal analysts.