Northern Area GIS User Group Meeting
Friday, June 29, 2018
Northern Great Lakes Visitor Center (Multipurpose Room)
29270 County Highway G, Ashland, WI

Agenda

9:00 – 9:30: Registration

9:30 – 9:45: Introductions

9:45 – 10:15: Building Pixel-Level Forest Inventory using Remote Sensing Data: Henry Rodman, SilviaTerra
Henry Rodman is a forest biometrician with SilviaTerra and will be presenting on how SilviaTerra works with forest landowners to design, implement, and manage pixel-level forest inventories using remote sensing data and plot data collected in the field. Topics covered will include acquisition and management of remote sensing data, implementation of statistical models for estimating forest attributes, and programmatic stand delineation using predicted forest attributes.

10:15 – 12:00: UAS Presentation and Demo: Scott Galetka, Bayfield County Land Records Department, and Jason Holmes, Bayfield County Forestry Department
Come experience this UAS/UAV/drone flight right on the grounds of the Visitor Center! Scott will go over setup and perform a flight. He will be using a DJI Matrice 200 with a thermal camera (thermal camera uses: https://www.drone-thermal-camera.com/applications/*) and the Mavic Pro. The flights are programed in an IPad using DJI software and then transferred to the UAS. Scott will also show you some of the results and pitfalls of the imagery during certain times of the year. DroneDeploy, Drone2Map, and Percisionmapper have all been used to process the images to produce a mosaic. Scott has conducted flights in the winter, spring and summer. Note that this demo is weather permitting, and could be cancelled or moved to the afternoon depending on conditions. Jason will showcase the Phantom 4 Pro UAS that is owned by the Forestry Department, and will overview the forestry applications which they are using it for.*

12:00 – 1:00: Lunch (provided)

1:00 – 2:00: The GIS Response to the Husky Refinery Emergency:
Randy Jones, GIS Technician, (and potentially Zach DeVoe), Douglas County Land Records
John Fiskness, GIS Coordinator, City of Superior
Matt Goodman, GIS Specialist, St. Louis County Sheriff's Office
Our speakers will discuss some personal observations as the events unfolded, then talk about the map products that were requested as the day progressed.

2:00 – 2:15: Break

2:15 – 2:45: Ortho Imagery Options now available from EagleView: Dean Larson and Brandon Tourtelotte, EagleView

Dean Larson and Brandon Tourtelotte from EagleView (Pictometry) will be giving a presentation about their offerings for ortho imagery in Wisconsin. Historically they have been known for obliques (with ortho), but you may not know that they also offer ortho imagery as a standalone product. The presentation will illustrate the comparative advantages their ortho solution offers, which is certainly timely as you consider your aerial imagery acquisition options over the next 1-2 years. It is essentially an ortho solution with optional oblique buy up.

2:45 – 4:00: LiDAR Open Discussion, and Open Meeting

How are you using your LiDAR? What software do you use? These are a couple of the questions which we will discuss during this open discussion to learn about all of the ways we are each using LiDAR. Come to share your uses and experiences, or just listen in and learn from others. We'll then transition to an open discussion on any other topics to ask questions and to share ideas and project updates.

4:30: Networking Dinner/Drinks Event at the Deep Water Grille in Ashland, WI

Come network with colleagues over drinks and/or dinner (not provided). Please RSVP for this event as well so that we can reserve the proper number of tables.

Looking for things to do in the area? Check out the Bayfield County Play, Eat, and Stay map: https://arcg.is/1jvu1H