

Science Work Group Agenda

June 4, 2024

9:00 AM –11:00 AM

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9:00 Introductions and Updates - Members are encouraged to provide updates on projects they are working on

9:20 Overview of the Capabilities of the New Drone and Sensors – Sneha Rao, Ian Edgar, and Derek Marquis

- Overview of the drone -- equipped with LiDAR, multispectral, and a dedicated thermal sensor
- Overview of drone data collection, processing, and products generated, and how they inform monitoring

9:50 Ideas for Monitoring Restoration Trajectories using the Drone – Curtis Roegner

10:10 Round Robin the Use of Drones by Partners – Members are encouraged to provide an overview of their use of remote sensing and drones

10:30 Discussion of Process for Collaborating on the Use of the New Drone

- Identification of Goals and Objectives for Monitoring including performance metrics
- Development of Site Sampling Plan
 - Identification of research questions and any desired deliverables (DEM, vegetation models, temperature maps, BDA counts, etc.)
 - Project preplanning: flight plan, permitting requirements, locations of ground control points, etc.
 - QA and data processing – calibration, interim products and steps for review/comments, verification, final products
 - Roles of LCEP and partners
 - Next steps

11:00 Adjourn