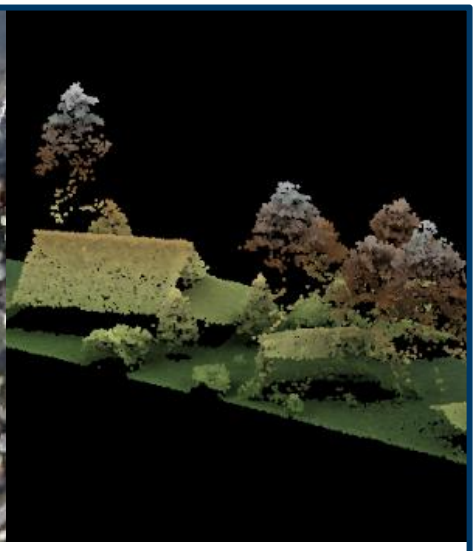
MINNESOTA

Minnesota Lidar Plan: Phase 1 - North East Forested Area





Overview

The Minnesota 3D Geomatics Committee and the Minnesota Geospatial Information Office, MnGeo, have developed a draft Lidar Plan for the State of Minnesota that will help guide the acquisition of new statewide lidar data over the next five years.

The State Lidar Plan seeks to outline end user needs, products, standards, collection timelines and storage/dissemination methods.

Call to action

Please contact us with your interest in the NE by **October 25.**

- Identify and share requirements and business use cases
- Provide your desired areas of interest in the NE and beyond
- Let us know if your organization can provide matching funds
- Check out the draft State Lidar Plan and StoryMap on the web

Phase 1: North East Forested Lidar Acquisition Area

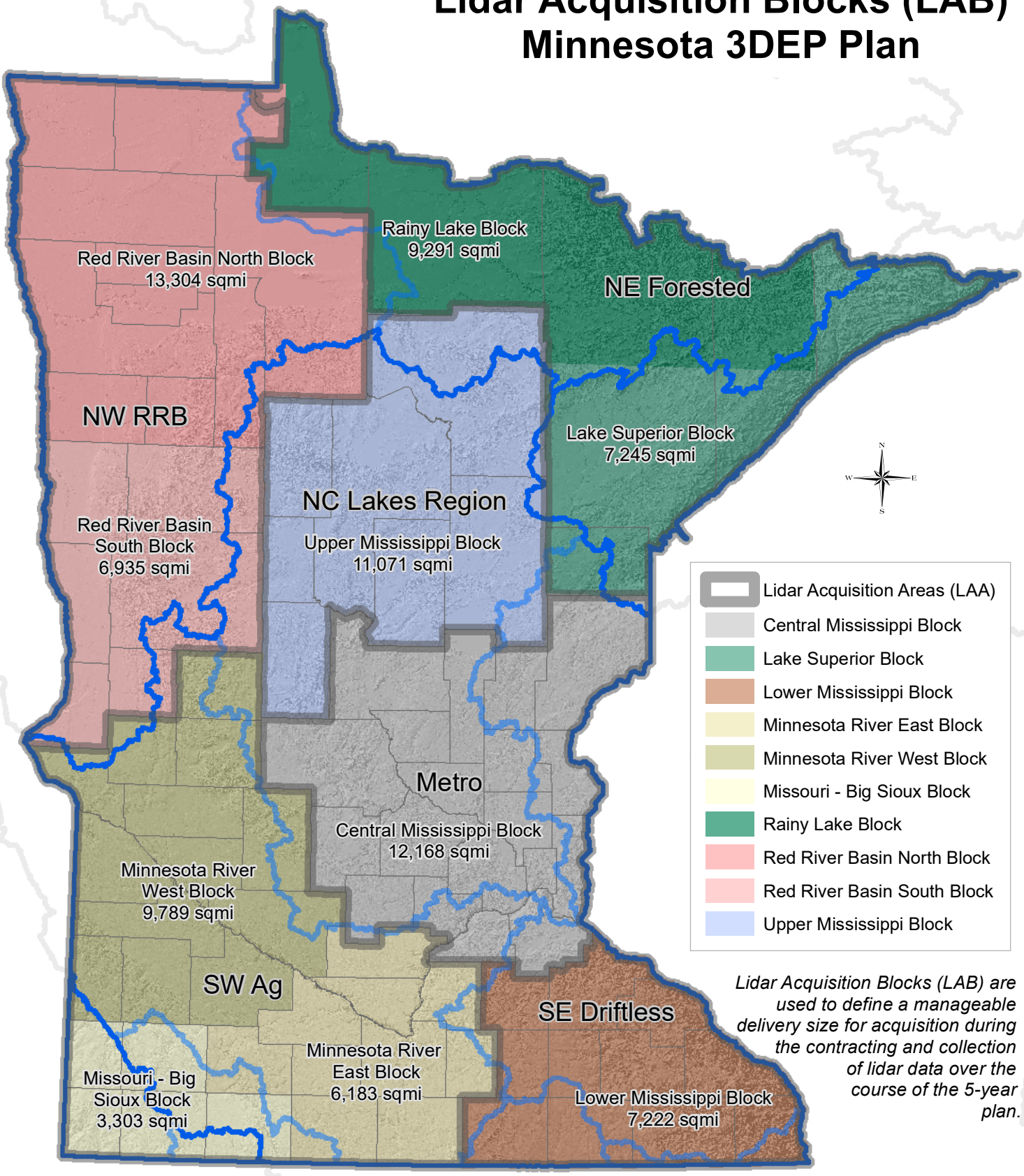
There is an immediate funding opportunity for lidar acquisition from the USGS 3D Elevation Program (3DEP). This opportunity has a short timeline and our first application will be submitted before **November 8, 2019,** although interests and the need for funding are ongoing. The North East Forested Lidar Acquisition Area is the first phase in a multi-year plan to collect high density lidar data in the entire state (see map on the reverse side for all proposed lidar acquisition blocks), with data collection starting in spring 2020.

To receive federal funding, we must provide a non-federal funding match. We are currently reaching out to stakeholders that have need for new, high-quality lidar and derived products, and potential funders that can be part of the cost share. The lidar-derived data provide foundational information to support decision-making for asset and resource management and have been shown to save enormous costs in multiple sectors, such as transportation, emergency response, infrastructure, and many natural resource monitoring and management applications.

The quality level of data will depend on funders and requirements, but currently is anticipated to be QL1 (8 pulses/m^2 and vertical error +/- 10 cm). Expected deliverables will include a lidar point cloud, digital elevation model, canopy height model, and others depending on stakeholder requirements and funding level. More information and maps are gathered in an online StoryMap and in the draft State Lidar Plan, found on the 3DGeo website.

Contact lidar@state.mn.us
https://www.mngeo.state.mn.us/committee/3dgeo/

Lidar Acquisition Blocks (LAB)
Minnesota 3DEP Plan



Lidar Acquisition Blocks (LAB) are used to define a manageable delivery size for acquisition during the contracting and collection of lidar data over the course of the 5-year plan.

3D Geomatics Acquisition Workgroup

Date: 9/27/2019