aero-graphics
GEOSPATIAL SERVICES

Montana DNRC – Status Update – April 22, 2019

Project Overview

Aero-Graphics was contracted by the State of Montana DNRC to acquire, process, and deliver aerial Lidar data and derivative products that adhere to USGS specifications. The assigned project areas cover a total of 18,297 square miles located throughout Montana.

Coordinate System

Horizontal Datum: NAD83

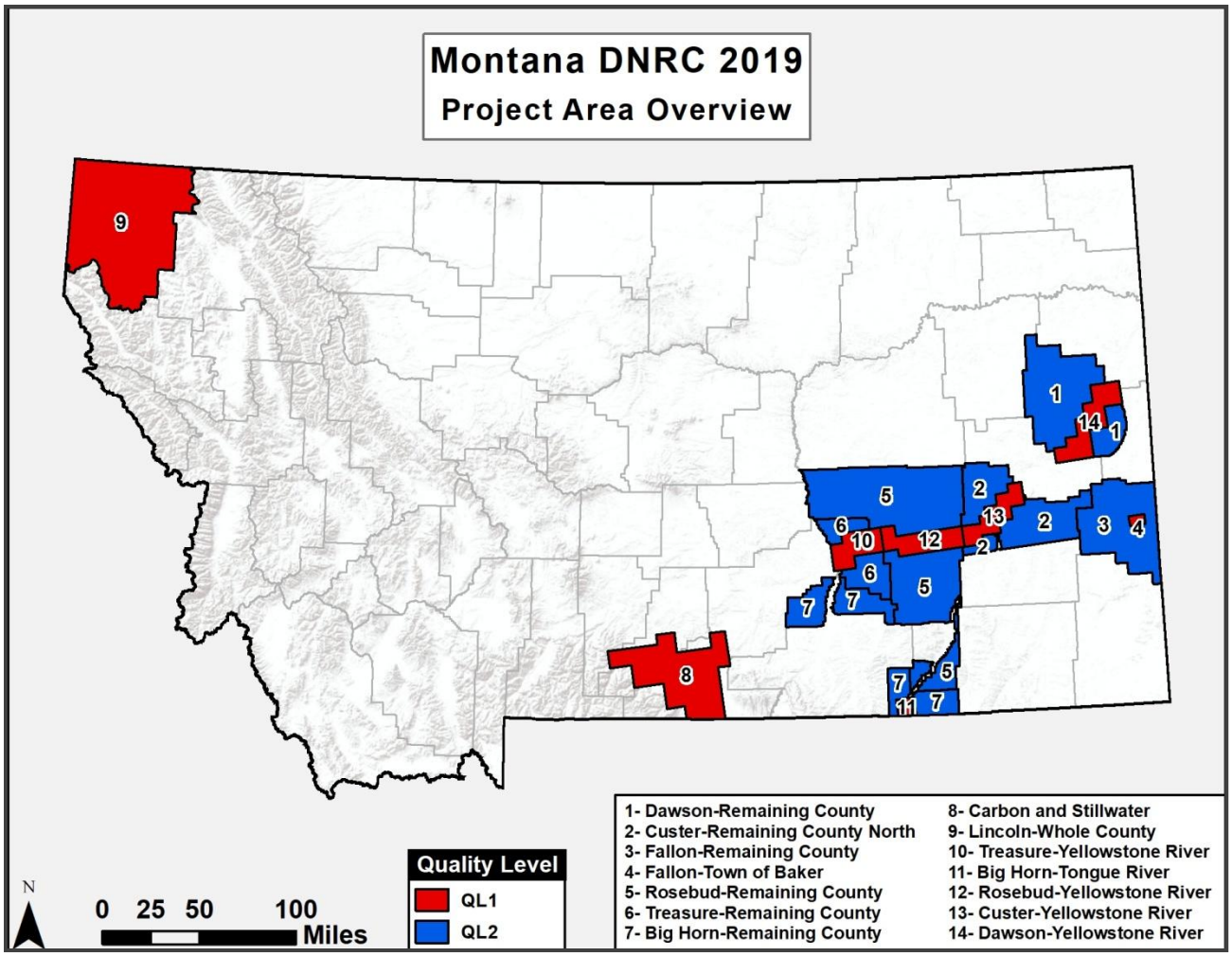
Vertical Datum: NAVD88 (Geoid12b)

Projection: Montana State Plane - FIPS 2500

Units: Horizontal – Int. Foot | Vertical – US Foot

Project Deliverables

- Weekly status reports throughout the project
- Calibrated point cloud in LAS 1.4 format
- Classified point cloud in LAS 1.4 format
- Bare-Earth DEMs at a 3' cell size in ESRI-Grid format
- First-Return DEMs at a 3' cell size in ESRI-Grid format
- Intensity Imagery at a 3' cell size in GeoTIFF format
- DTM in ESRI Geodatabase and ASCII formats
- 1' and 2' contours in ESRI Geodatabase format
- Ground control and checkpoints in SHP format
- Bathymetric Survey data including cross-section point listing
- MT Licensed Surveyor Certification and Survey Report
- Technical Project Report in PDF format
- FGDC-compliant metadata in XML format



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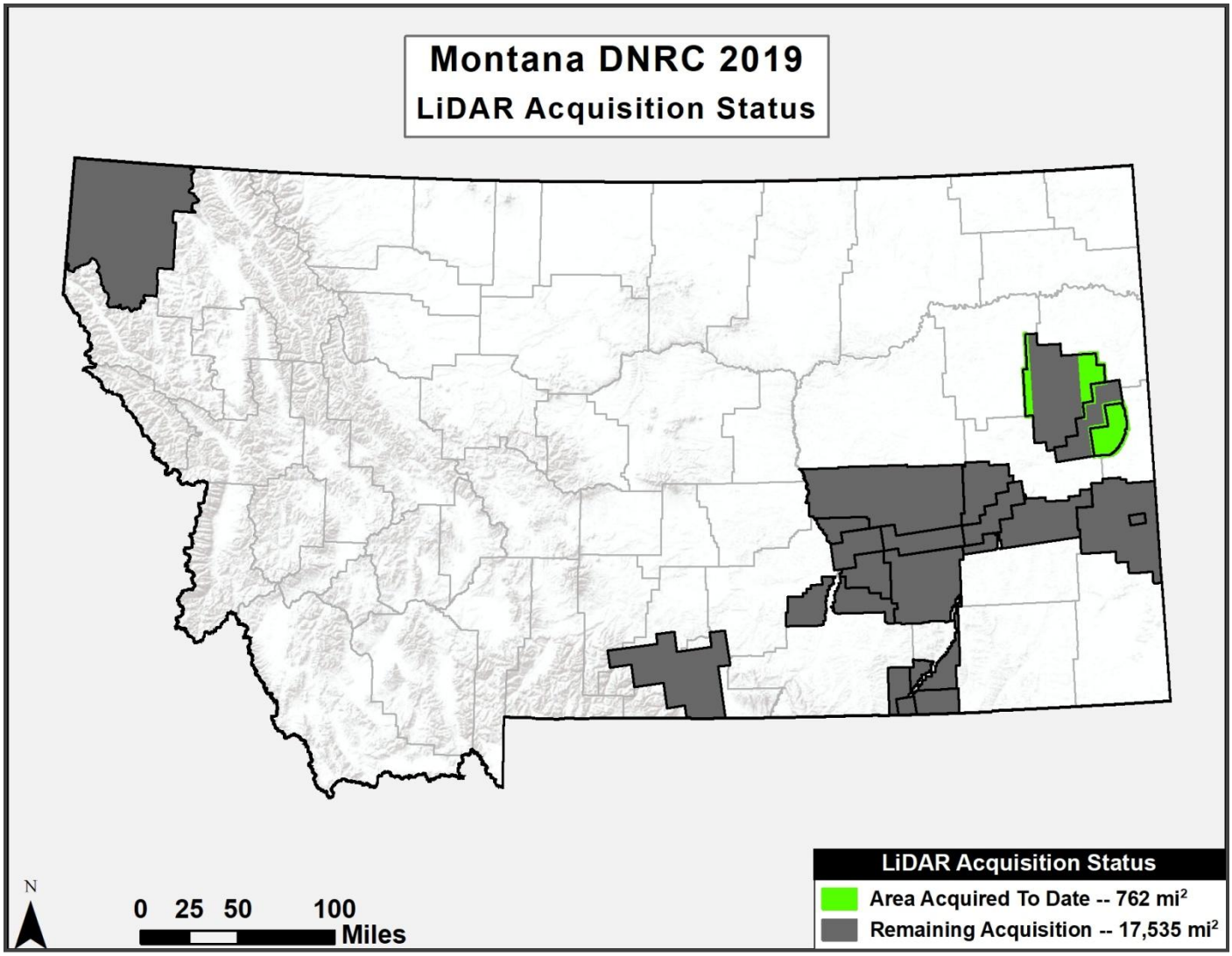

Recent Updates

- LiDAR acquisition underway in Dawson County – 762 mi^2 acquired to date
- Weather conditions in Custer County did not permit acquisition over the weekend; crew is on-site awaiting acceptable conditions
- Control Survey Status: Custer/Dawson Counties – targets down
  Fallon County – target sets in progress this week