aero-graphics
GEOSPATIAL SERVICES

Montana DNRC – Status Update – June 17, 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

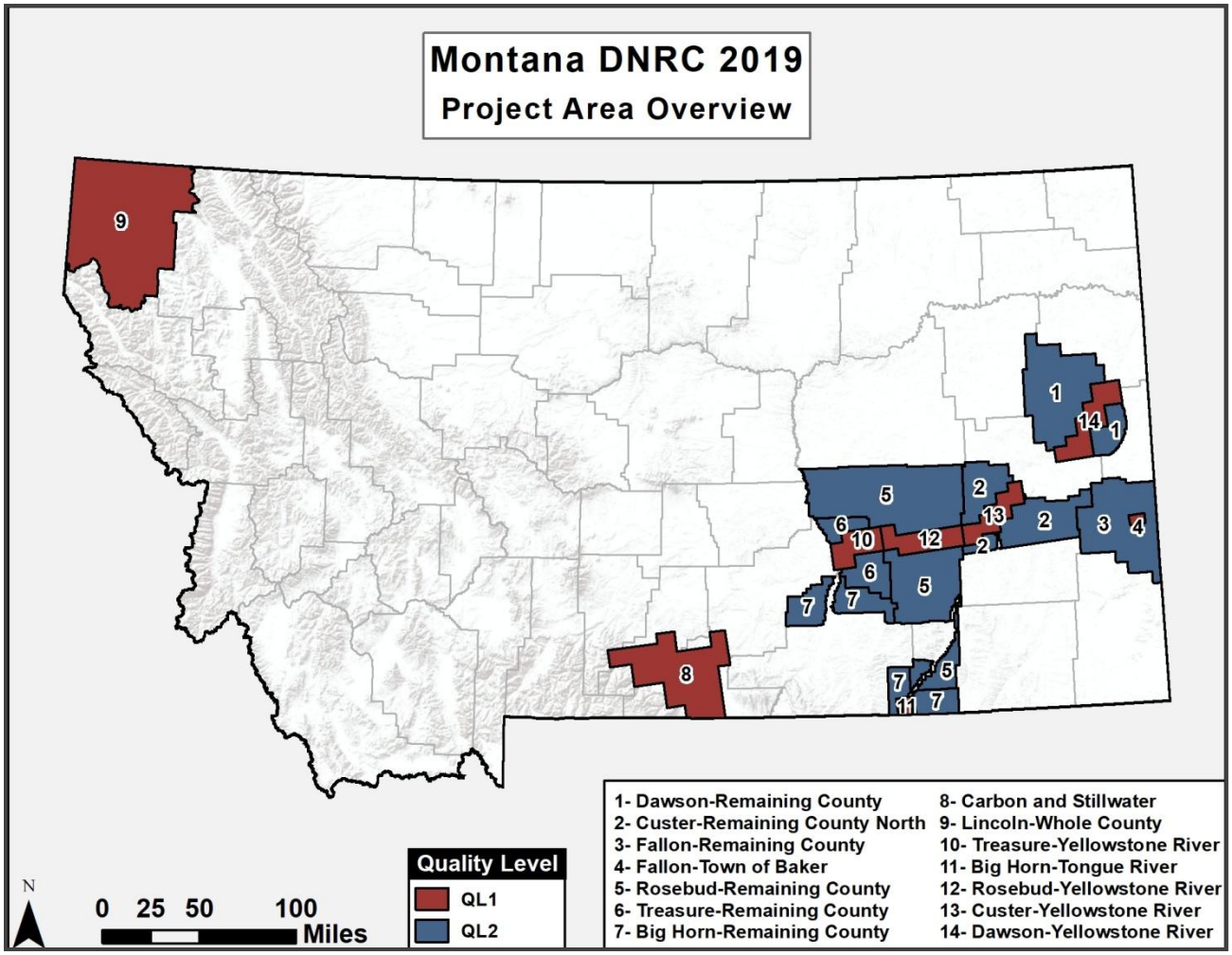
Vertical Datum: NAVD88 (Geoid12b)

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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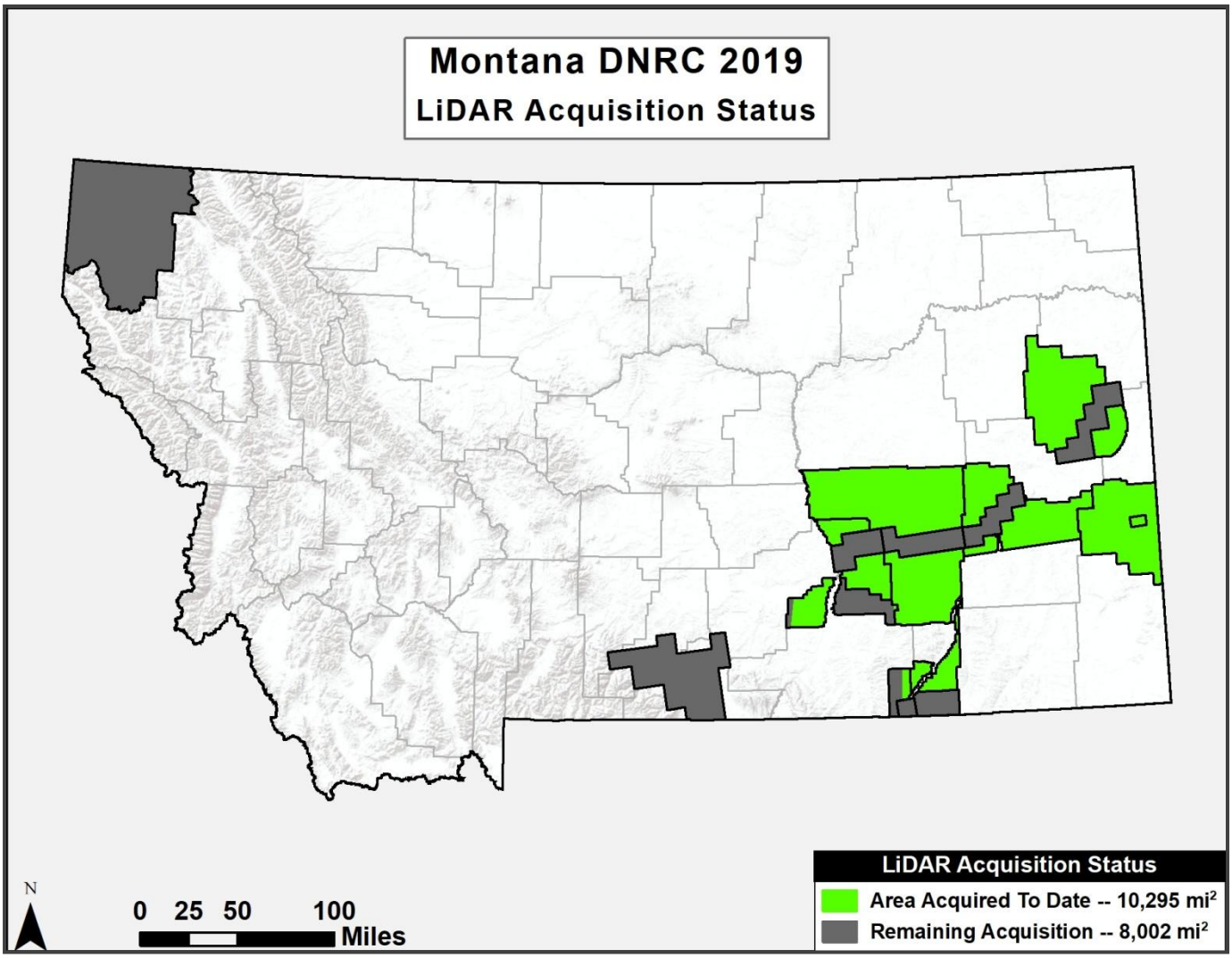

Recent Updates

- **LiDAR Acquisition Status:** QL2 - Dawson, Fallon, Custer, Rosebud, Treasure Counties complete, Big Horn in progress
  QL1 – Fallon (Town of Baker) complete
  Overall 56% complete
- **Control Survey Status:** QL2 - All ground control set
  QL1 – Dawson, Fallon, Custer, Rosebud, Treasure, Bighorn Counties, and Town of Baker ground control set, Carbon/Stillwater targeting to begin this week
- **Bathymetric Survey Status:** Bathymetric survey complete for Dawson County, Custer County in progress
- **Data Processing Status:** Dawson QL2 and Town of Baker QL1 in progress, Data Pilot to be delivered by June 28th