

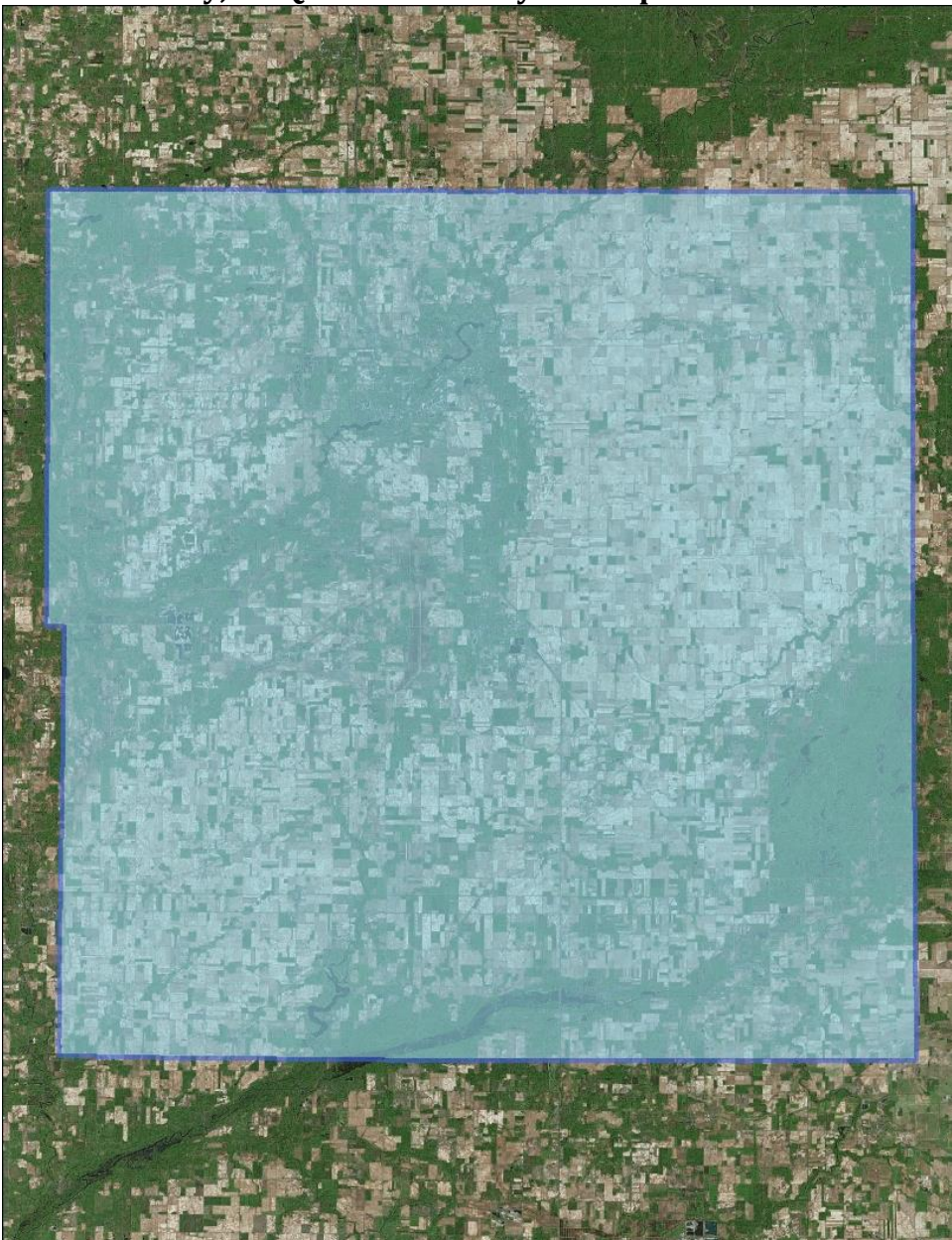


Delivery Lot Summary Report: Delivery Lot 5 January 6, 2015

USGS Contract: G10PC00026
USGS Task Order: G15PD00294
Task Order Name: Lincoln County, WI QL2 Lidar BAA
Contractor: Photo Science, a Quantum Spatial Company

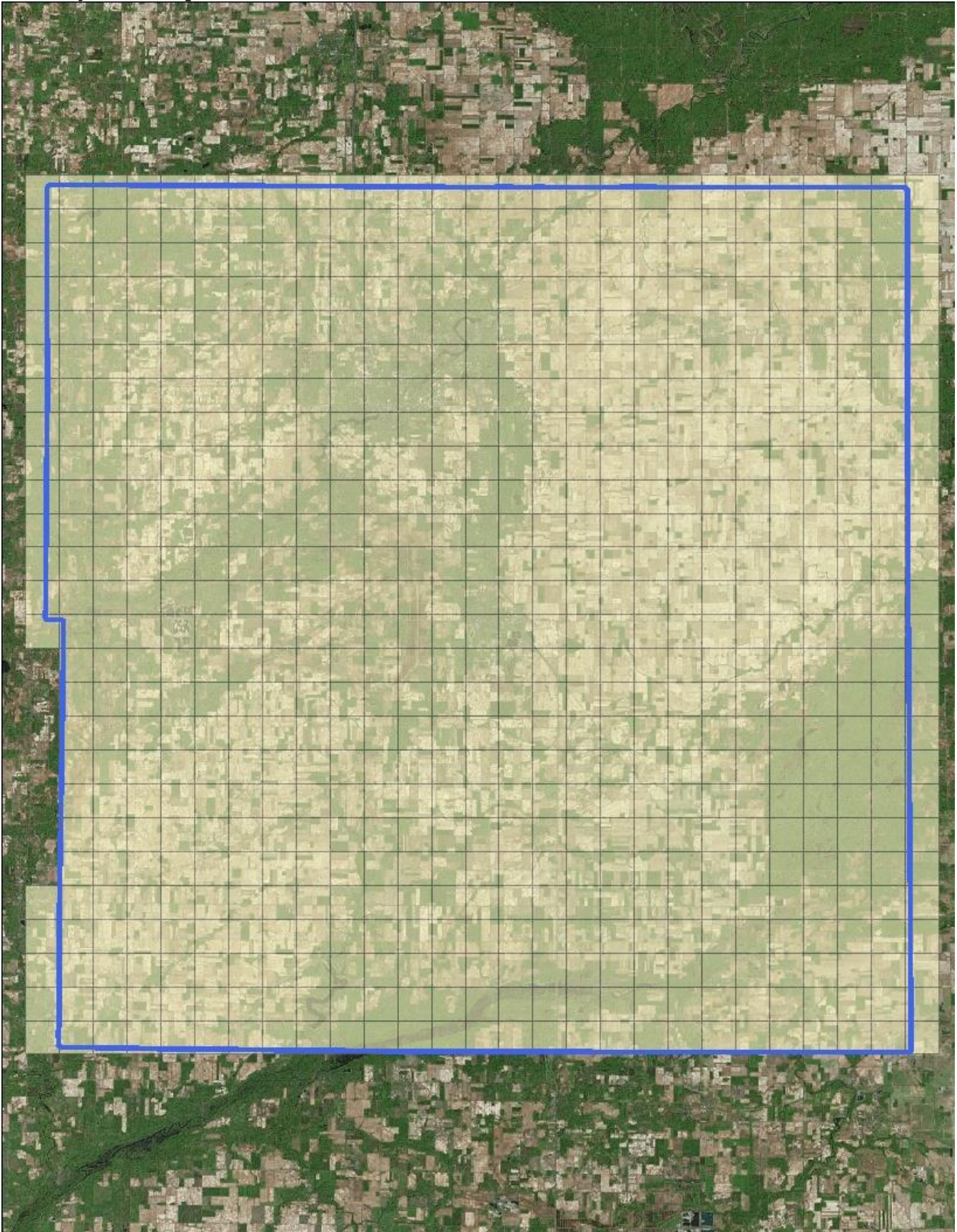
The following is a summary description of the edit call deliverables and other pertinent information that comprise the shipment of Delivery Lot 5 to USGS on January 6, 2015.

Lincoln County, WI QL2 AOI Delivery Lot Map:





Delivery Lot 5 Map:



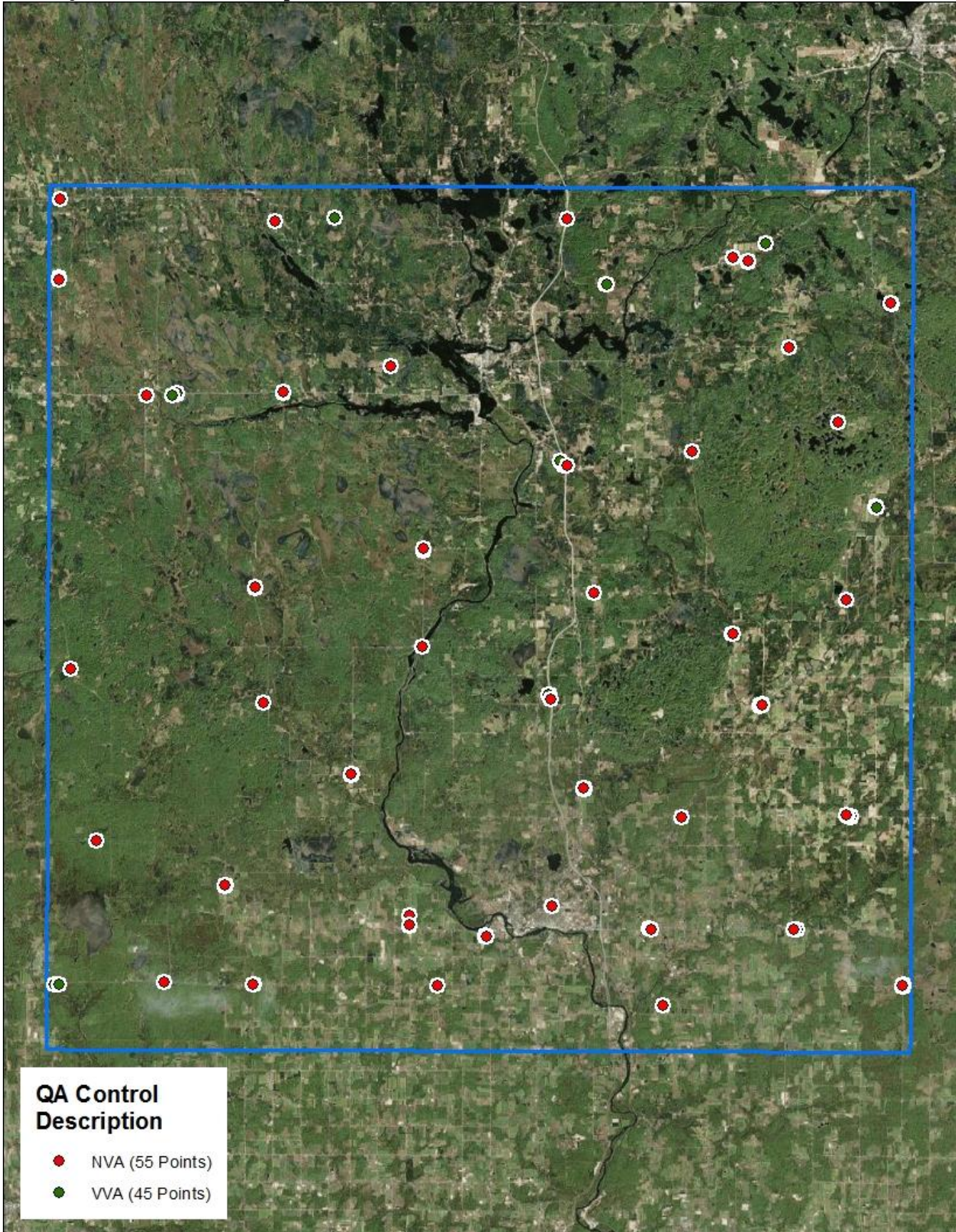


Lot 5 Raw Point Cloud Map:





Lot 5 QA Control Points Map:



**Task Order Spatial Reference System:**

- Horizontal: Wisconsin County Coordinate System – Lincoln County, NAD83 (2011), US Feet
- Vertical: NAVD88, GEOID12a, US Feet

Deliverables Summary:

1. C.1.d.(i) Raw Point Cloud Data (calibrated and control adjusted): Included
 - LAS v1.4 Point Record Format 6
 - Total Number of Swath Files: 55
 - Total File Size: 369 GB (396,905,172,992 bytes)
 - Individual Swath Outline Shape File
2. C.1.d.(ii) Classified Point Cloud: Included
 - LAS v1.4, Point Record Format 6 including File Source ID w/ assigned value of 0
 - Classification Schema:
 - (01) Code 1 – Processed, but unclassified
 - (02) Code 2 – Bare-earth ground
 - (03) Code 7 – Noise
 - (04) Code 9 – Water
 - (05) Code 10 – Ignored Ground (Breakline Proximity)
 - (06) Code 17 – Bridge Deck
 - (07) Code 18 – High Noise
 - Total Number of Tiles: 1,369
 - Tile Dimensions: 4,500' x 4,500'
 - Total File Size: 296 GB (317,911,986,176 bytes)
 - Delivery Lot 5 Tile Shape Files (Lot 5 Boundary & Lot 5 Individual Tiles)
3. C.1.d.(iii) Bare Earth Surface (Raster DEM): Included
 - Format: ESRI Float Grid
 - Resolution: 5 foot grid cell size
 - Hydro Conditioning: Hydro Flattened
 - Total Number of Tiles: 1,369
 - Tile Dimensions: 4,500' x 4,500' (same used for Classified Point Cloud)
 - Total File Size: 4.62 GB (4,969,291,776 bytes)
4. C.1.d.(iv) Breaklines: Included
 - Format: ESRI Shapefile (.shp)
 - Coverage: Lot 5 Continuous, Non-Tiled
 - Total File Size: 7.57 MB (7,946,240 bytes)
5. C.1.d.(v) Control:
 - Delivery Lot 5 QA Control Check Point Location Shape File Extract: Included
 - Delivery Lot 5 QA Control Check Point Published Values Extract .xls file: Included
6. C.1.d.(vii) 2' Contours: Included
 - Format: ESRI Geodatabase (.gdb)



- Coverage: Lot 5 Continuous, Non-Tiled
 - Total File Size: 1.56 GB (1,679,687,680 bytes)
7. C.1.d.(ix) Metadata: Included
 - Format: FGDC compliant, XML
 - File Types: Project, Lift, Tiled deliverable product group (classified .las, DEM, contours)
 8. C.1.d.(x) Project Report:
 - Delivery Lot Summary Report: Lot 5 Included
 - Overall Project Report: Included, but will be updated, after reflight.
 9. Lot 5 QA & Accuracy Reporting
 - FOCUS Report: Included
 - Lot 5 Provisional NVA/VVA Testing Results: .xls file Included
 - LAS Analysis (Excel File): Included
 - Raster Analysis (Excel File): Included

Lot 5 Accuracy Reporting:

- Number of QA Check Points falling within Delivery Lot 5 by Tested Land Cover Type:
 - Non-Vegetated Points (NVA): 55
 - Vegetated Points (VVA): 45
- Testing:

Raw NVA

	Count	Minimum	Maximum	St. Dev	RMSE	95%	95th	Mean	Median	Skew
RAW NVA	55	-0.380	0.410	0.145	0.144	0.282	-	0.01	-0.02	0.68

NVA / VVA

	Count	Minimum	Maximum	St. Dev	RMSE	95%	95th	Mean	Median	Skew
Non Vegetated (NVA)	55	-0.354	0.442	0.148	0.147	0.288	-	0.01	0.00	0.64
Vegetated (VVA)	45	-0.327	0.960	0.252	0.403	-	0.846	0.32	0.33	0.22
LIDAR Calibration	0	-	-	-	-	-	-	-	-	-

Delivery Lot Notes/Comments:

No issues found with the dataset.