



Delivery Lot Summary Report: Delivery Lot 6 Part 1

April 28, 2016

USGS Contract: G10PC00026

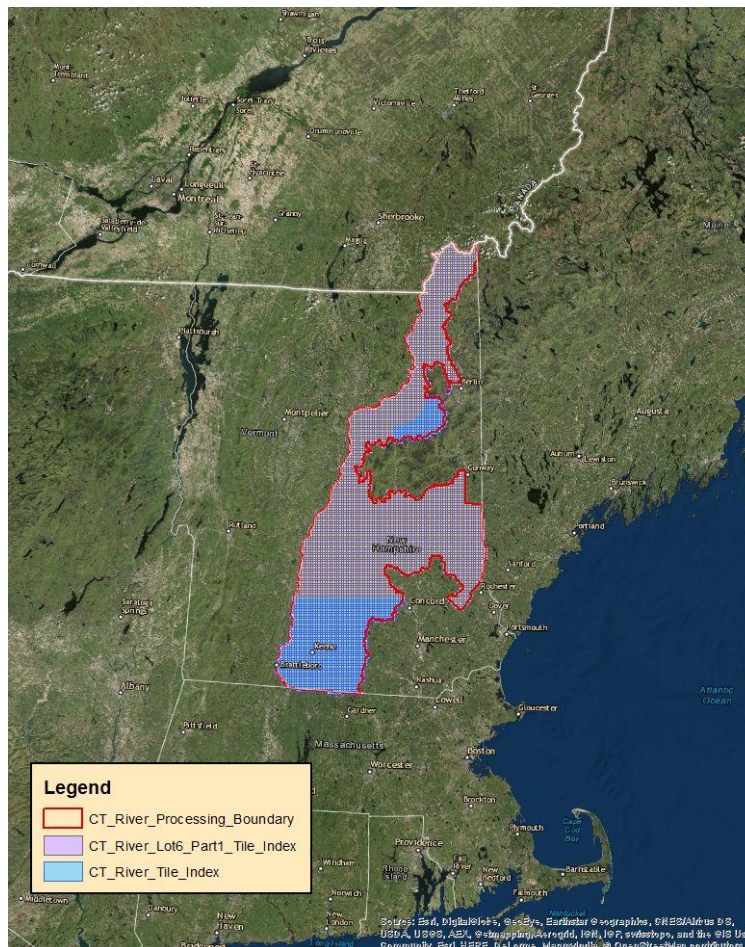
USGS Task Order: G15PD00886

Task Order Name: MOD1 – BAA Connecticut River Watershed with FEMA HQ – Winnepesaukee AOI and WMNF AOI QL2 LiDAR

Contractor: GMR Aerial Surveys, dba Photo Science, A Quantum Spatial Company

The following is a summary description of the deliverables and other pertinent information that comprise the shipment of Delivery Lot 6 Part 1 to USGS on April 28, 2016.

Connecticut River LiDAR Delivery Lot 6 Part 1 Map:



Task Order Spatial Reference System:

- Horizontal: UTM 19N, NAD83 (2011), Meters
- Vertical: NAVD88, GEOID12B, Meters



Deliverables Summary:

1. C.1.d.(i) Raw Point Cloud Data: Included
 - LAS v1.4, Point Record Format 6 including File Source ID
 - Classification Schema:
 - (00) Code 0 – Created, never classified
 - Total Number of Files: 576
 - Total File Size: 2.63 TB
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
 - (05) Code 9 – Water
 - (06) Code 10 – Ignored Ground (Breakline Proximity)
 - (07) Code 17 – Bridge Decks
 - (08) Code 18 – High Noise
 - Total Number of Tiles: 4,867
 - Tile Dimensions: 1,500m x 1,500m
 - Total File Size: 1.82 TB
 - Delivery Lot 6 Tile Shape Files (Lot 6 Individual Tiles)
3. C.1.d.(iii) Bare Earth Surface (Raster DEM): Included
 - Format: ERDAS .IMG
 - Resolution: 1 meter grid cell size
 - Hydro Conditioning: Hydro Flattened
 - Total Number of Tiles: 4,867
 - Tile Dimensions: 1,500m x 1,500m (same used for Classified Point Cloud)
 - Total File Size: 42.8 GB
4. C.1.d.(iv) Breaklines: Included
 - Format: ESRI Geodatabase Format
 - Coverage: Lot 6 Continuous, Non-Tiled
 - Total File Size: 3.55 MB
5. C.1.d.(v) Control: Included
 - Format: Shape files
 - Total File Size: 64 KB
6. C.1.d.(vi) Intensity Image
 - Format: GeoTIFF, with world files
 - Resolution: 1 meter pixel size



- Scale: 8 bit, 256 color gray scale
 - Total Number of Tiles: 4,867
 - Tile Dimensions: 1,500m x 1,500m (same used for Classified Point Cloud)
 - Total File Size: 14.5 GB
7. C.1.d.(viii) Metadata: Included
- Format: FGDC compliant, XML
 - File Types: Project, Deliverable product group (Classified .las, DEM, Breaklines & Intensity Images)
8. C.1.d.(ix) Project Report:
- Delivery Lot Summary Report: Lot 6 Included
 - Overall Project Report: Lot 6 to be included in next delivery upon completion of Lot 6.
9. Lot 6 QA & Accuracy Reporting
- Calibration Control Point and NVA/VVA QC Checkpoints Testing Results (Excel File): Included
 - LAS Analysis (Excel File): Included
 - Flightline Swath LAS Analysis (Excel File): Included
 - Flightline Swath LAS Stats (Excel File): Included
 - LAS Stats (Excel File): Included
 - DEM Stats (Excel File): Included

Delivery Lot Notes/Comments:

Delivery Lot 6 Part 1 consists of all required deliverables for this portion of delivery Lot 6. The remainder of Lot 6 will be delivered at a later date.