



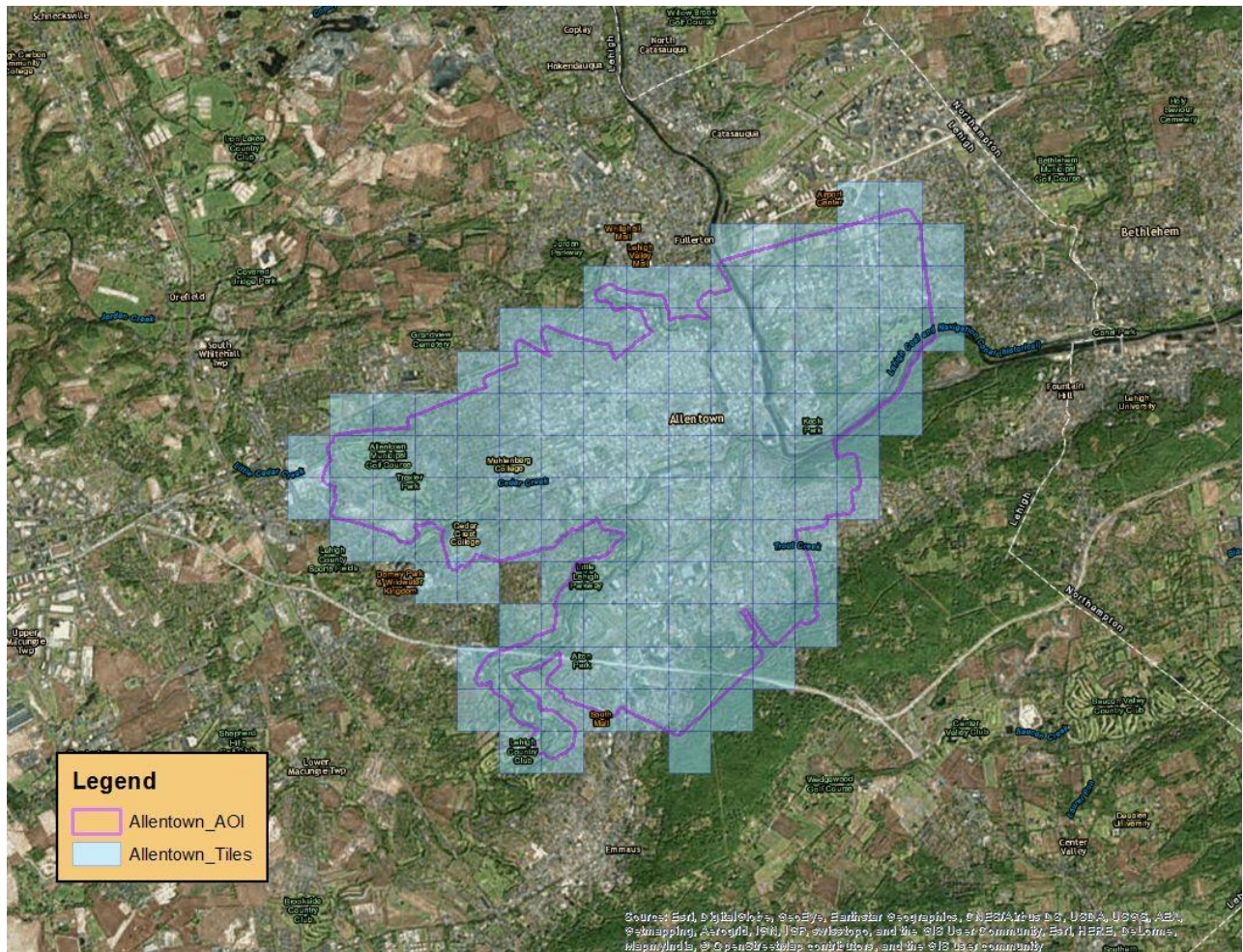
# Delivery Lot Summary Report: Delivery Lot 8

## August 26, 2016

**USGS Contract: G16PC00016**  
**USGS Task Order: G16PD00442**  
**Task Order Name: PA\_Allentown Ortho Acq-LiDAR\_2016\_D16**  
**Contractor: Quantum Spatial**

The following is a summary description of the deliverables and other pertinent information that comprise the shipment of Delivery Lot 8 to USGS on August 26, 2016.

### Allentown, PA LiDAR Delivery Lot 8 Map:



### Task Order Spatial Reference System:

- Horizontal: Pennsylvania State Plane South, NAD83 (2011), US Survey Feet
- Vertical: NAVD88, GEOID12B, US Survey Feet



## 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: 37
  - Total File Size: 35.2 GB
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 Decks
    - (07) Code 18 – High Noise
  - Total Number of Tiles: 129
  - Tile Dimensions: 2,500ft x 2,500ft
  - Total File Size: 33 GB
  - Delivery Lot 8 Tile Shape Files (Lot 8 Individual Tiles)
3. C.1.d.(iii) Bare Earth Surface (Raster DEM): Included
  - Format: ERDAS .IMG
  - Resolution: 1 foot grid cell size
  - Hydro Conditioning: Hydro Flattened
  - Total Number of Tiles: 129
  - Tile Dimensions: 2,500ft x 2,500ft (same used for Classified Point Cloud)
  - Total File Size: 3.16 GB
4. C.1.d.(vi) Intensity Image
  - Format: GeoTIFF, with world files
  - Resolution: 1 foot grid cell size
  - Scale: 8 bit, 256 color gray scale
  - Total Number of Tiles: 129
  - Tile Dimensions: 2,500ft x 2,500ft (same used for Classified Point Cloud)
  - Total File Size: 1.08 GB
5. C.1.d.(iv) Breaklines: Included
  - Format: ESRI Geodatabase Format
  - Coverage: Lot 8 Continuous, Non-Tiled
  - Total File Size: 266 KB



6. C.1.d.(ix) Metadata: Included
  - Format: FGDC compliant, XML
  - File Types: Project, Deliverable product group (Classified .las, DEM, Breaklines & Intensity Images)
  
7. C.1.d.(x) Project Report:
  - Delivery Lot Summary Report: Lot 8 Included
  - Overall Project Report: To be delivered in Lot 9 upon completion of imagery processing.
  
8. Lot 6 QA & Accuracy Reporting
  - NVA QC Checkpoints FVA Testing Results (Excel File): Included
  - LAS Analysis (Excel File): Included
  - LAS Stats (Excel File): Included
  - DEM Stats (Excel File): Included

**Delivery Lot Notes/Comments:**

Delivery Lot 8 consists of the all required LiDAR deliverables.