

Classified Point Cloud

Deliverable 1 Summary

✓ General		
Folder:	H:\USGS_Olga_Lake_MI_LiDAR_Lot5_Delivery\Classified_LAS	
Total # of Files:	57	(All Valid)
Total File Size:	50.0 GB	(53,693,156,487 bytes)

✓ Tile Sizes	
Median Tile Size:	1,500m x 1,500m
Minimum Tile Size:	524m x 559m
Maximum Tile Size:	1,500m x 1,500m
X Range:	603775.42m to 615715.94m
Y Range:	4886269.28m to 4895249.99m
Elevation Range:	230.69m to 998.48m

✓ LAS Version And Point Record Formats	
v1.4, Point Record Format 6	57 of 57 Tiles

✓ Spatial Reference System		
Horizontal Projection	NAD83(2011) / UTM zone 16N	57 of 57 Tiles
Horizontal Datum	NAD83 (National Spatial Reference System 2011)	57 of 57 Tiles
Horizontal Units	meter	57 of 57 Tiles
Vertical Datum	NAVD88 height	57 of 57 Tiles
Vertical Units	meter	57 of 57 Tiles
Storage Method	WKT	57 of 57 Tiles

✓ GPS Time Type	
Adjusted	57 of 57 Tiles

✓ File Source ID Equals 0	
Yes	57 of 57 Tiles

✓ VLR/EVLR Reserved Equals 0	
Yes	59 of 59 Records

✓ Unnecessary Bytes At End Of File	
No	57 of 57 Tiles

✓ Legacy Point Count Check	
Zero	57 of 57 Tiles

✓ System Identifier	
Quantum Spatial	57 of 57 Tiles

✓ Generating Software	
LiDAR Suite	57 of 57 Tiles

Classified Point Cloud Continued...

Deliverable 1 Summary

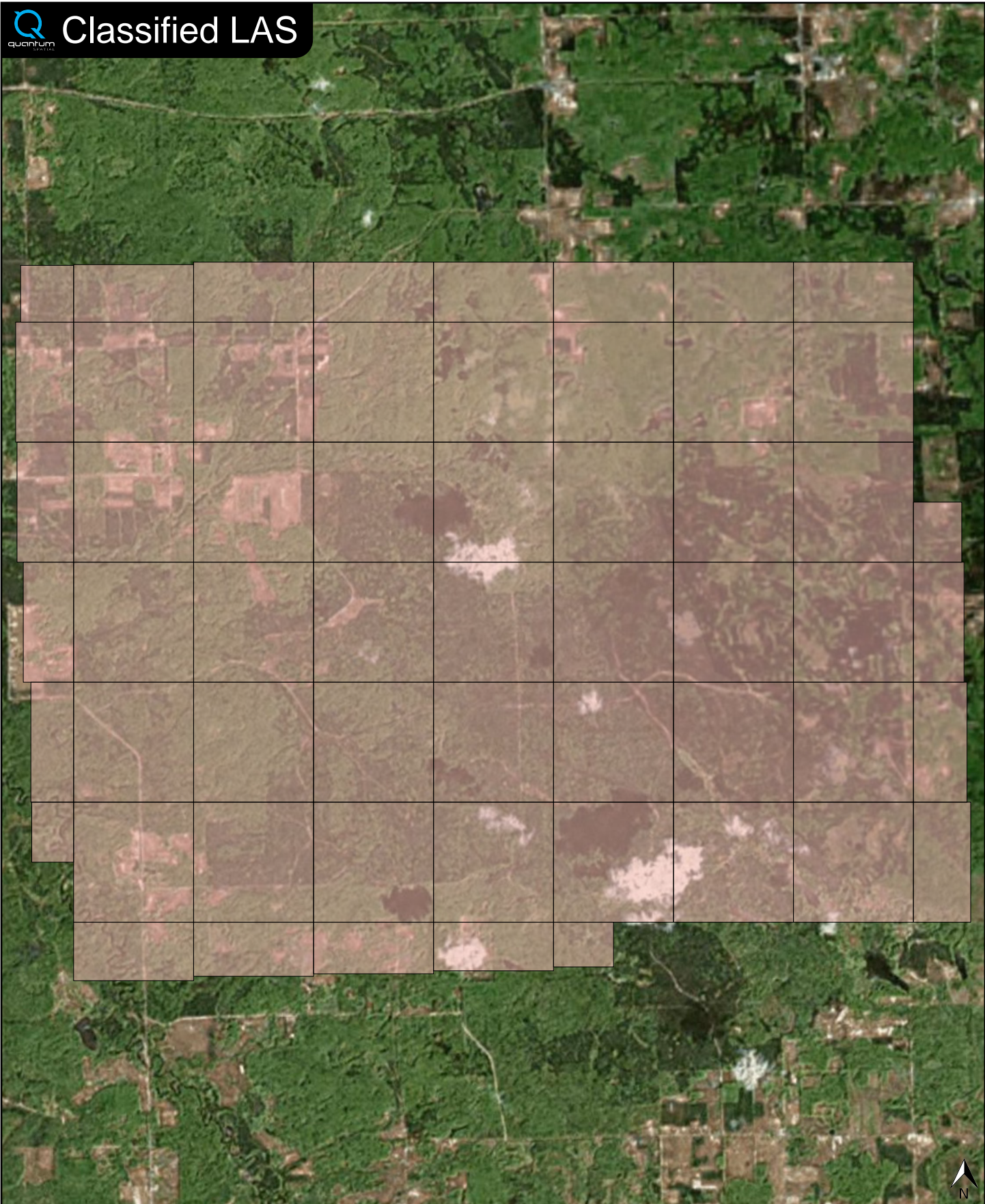
Point Classifications		
Class 1	17.78%	318,233,788 Points
Class 2	15.82%	283,119,144 Points
Class 3	6.18%	110,547,425 Points
Class 4	7.83%	140,219,617 Points
Class 5	52.07%	931,967,183 Points
Class 6	0.01%	113,738 Points
Class 7	0.07%	1,243,323 Points
Class 9	0.24%	4,276,986 Points
Class 10	0.00%	43,398 Points
Class 17	0.00%	630 Points
Class 18	0.00%	4,159 Points



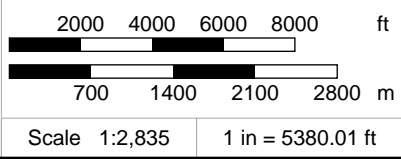
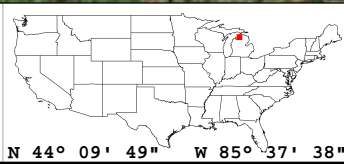
Point Statistics	
Scan Angle:	-15 to 16
Intensity:	0 to 65535
First Date:	6/17/2016 8:40:54 PM
Last Date:	6/17/2016 10:57:21 PM



Classified LAS



Classified LAS Tiles (57)



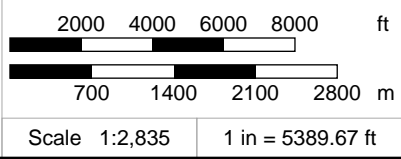
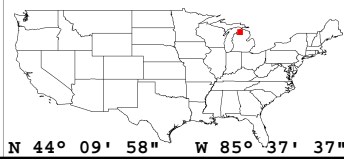
Raw LAS Flight Line Strips

Deliverable 2 Summary

✓ General		
Folder:	H:\USGS_Olga_Lake_MI_LiDAR_Lot5_Delivery\Unclassified_Calibrated_Flightline_Swath_LAS	
Total # of Files:	25	(All Valid)
Total File Size:	51.7 GB	(55,515,068,845 bytes)
✓ Raw LAS Strips		
Elevation Range:	231m to 998m	
Total FL Length:	175 miles	
Avg FL Length:	7 miles	
Min FL Length:	6 miles (00901)	
Max FL Length:	7 miles (00111)	
✓ LAS Version And Point Record Formats		
v1.4, Point Record Format 6	25 of 25 Strips	
✓ Spatial Reference System		
Horizontal Projection	NAD83(2011) / UTM zone 16N	25 of 25 Strips
Horizontal Datum	NAD83 (National Spatial Reference System 2011)	25 of 25 Strips
Horizontal Units	meter	25 of 25 Strips
Vertical Datum	NAVD88 height	25 of 25 Strips
Vertical Units	meter	25 of 25 Strips
Storage Method	WKT	25 of 25 Strips
✓ GPS Time Type		
Adjusted	25 of 25 Strips	
✓ File Source IDs		
Equals Zero:	None	
All Unique:	Yes	
FLs:	101 - 124, 901	
✓ VLR/EVLR Reserved Equals 0		
Yes	25 of 25 Records	
✓ Unnecessary Bytes At End Of File		
No	25 of 25 Strips	
✓ Legacy Point Count Check		
Zero	25 of 25 Strips	
✓ System Identifier		
Quantum Spatial	25 of 25 Strips	
✓ Generating Software		
LiDAR Suite	25 of 25 Strips	



FL Strips (25)

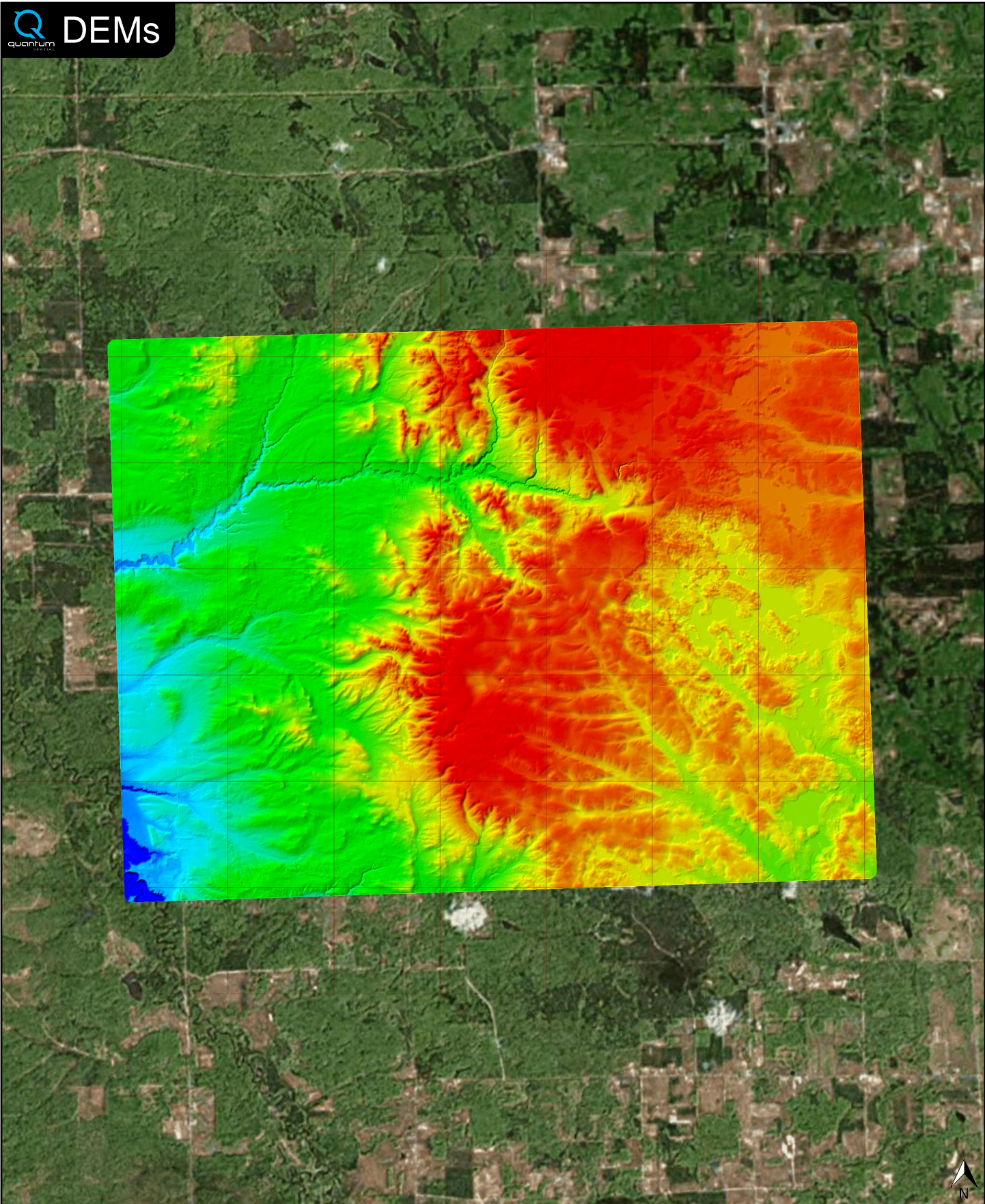


✓ General		
Folder:	H:\USGS_Olga_Lake_MI_LiDAR_Lot5_Delivery\Raster_DEM	
Total # of Files:	57	(All Valid)
Total File Size:	913.2 MB	(957,583,292 bytes)

✓ Tile Sizes	
Median Tile Size:	1,500m x 1,500m
Minimum Tile Size:	1,500m x 1,500m
Maximum Tile Size:	1,500m x 1,500m
X Range:	603000.00m to 616500.00m
Y Range:	4885500.00m to 4896000.00m
Elevation Range:	275.81m to 415.43m

✓ Spatial Reference System		
Horizontal Projection	NAD_1983_2011_UTM_Zone_16N	57 of 57 Tiles
Horizontal Datum	D_NAD_1983_2011	57 of 57 Tiles
Horizontal Units	Meter	57 of 57 Tiles
Vertical Datum	NAVD88 height	57 of 57 Tiles
Vertical Units	Meter	57 of 57 Tiles

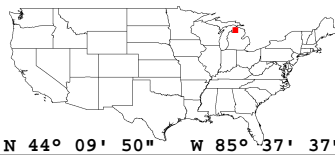
✓ Raster		
File Type:	IMG	57 of 57
Bands:	1	57 of 57
Grid Size (pixels):	2000 x 2000	57 of 57
Pixel Resolution:	0.75000000m x 0.75000000m	57 of 57
Pixel Type:	32-bit Floating Point	57 of 57
Compression:	None	57 of 57
No Data Value:	-32767	57 of 57



275.84 m

345.54 m

415.25 m



2000 4000 6000 8000 ft

700 1400 2100 2800 m

Scale 1:2,835 1 in = 6082.67 ft

✓ General		
Folder:	H:\USGS_Olga_Lake_MI_LiDAR_Lot5_Delivery\Intensity_Images	
Total # of Files:	57	(All Valid)
Total File Size:	305.7 MB	(320,499,714 bytes)

✓ Tile Sizes	
Median Tile Size:	1,500m x 1,500m
Minimum Tile Size:	1,500m x 1,500m
Maximum Tile Size:	1,500m x 1,500m
X Range:	603000.00m to 616500.00m
Y Range:	4885500.00m to 4896000.00m

✓ Spatial Reference System		
Horizontal Projection	NAD_1983_2011_UTM_Zone_16N	57 of 57 Tiles
Horizontal Datum	NAD_1983_2011	57 of 57 Tiles
Horizontal Units	Meter	57 of 57 Tiles
Vertical Datum	NAVD88 height	57 of 57 Tiles
Vertical Units	Meter	57 of 57 Tiles

✓ Raster		
File Type:	TIF	57 of 57
Bands:	1	57 of 57
Grid Size (pixels):	2000 x 2000	57 of 57
Pixel Resolution:	0.75000000m x 0.75000000m	57 of 57
Pixel Type:	8-bit Unsigned Integer (MINISBLACK)	57 of 57
Compression:	NONE	57 of 57
No Data Value:	NONE	57 of 57

