

Metadata

ENVIRONMENT CANTERBURY CANTERBURY – 2018/19 LiDAR SURVEY

Ashley River

AERIAL SURVEYS PROJECT Nº: FPFA1225

Summary

Project

An Airborne Laser Scanner survey was conducted over two areas of interest totalling approximately 545 km². The areas are located in the Canterbury Region of the South Island.

Data

The data was processed into various digital map data products. The products included for this dispatch contain:

- AOI
- Unclassified Point Cloud
- Classified Point Cloud
- Gridded DEM
- Gridded DSM
- Intensity Images
- Breaklines
- Tile Layout

Project Report

Safety: No safety Incidents were reported during the project.

Acquisition: Airborne Laser Scanner (ALS) data was acquired from a fixed wing aircraft on: 1 March 2019.

Ground Support: GPS base station data was provided by PP-RTX base station. The ground check points acquired by Sounds Surveying Ltd.

Data Processing: Reduction of the ALS data proceeded without any significant problems. Laser strikes were classified into ground and non-ground points using auto algorithms across the project area.

Data Presentation: The data provided on this volume has been supplied in accordance with a specification agreed with Environment Canterbury.

Project Contacts:

Environment Canterbury Team Leader GIS & Development: Iain Campion (Ph. (03) 367 7175)
Aerial Surveys Business Development Manager: Steve Smith (Ph. (09) 415 3101)

Data Acquisition

The project area is that shown in the shapefile 'LiDARMetadataCanterbury2018_19Fpfa1225_Ashley.shp' that accompanies the dataset. A map showing this area of interest is included in Appendix A.

LiDAR survey was collected using Aerial Surveys Optech Galaxy Prime LiDAR system.

Survey Specification:

- Scanner: Optech Galaxy Prime
- Flying Height: 2400m AGL
- Scan Angle: +/-23 degrees (cut off ± 4)
- Scan Frequency: 45 Hz
- Pulse Rate: 300 kHz
- Swath Overlap: 35%
- Points Per M²: 2.17

Sounds Surveying Ltd field surveyed check sites that were used to verify the accuracy of the processed ground dataset.

Data Processing

The LiDAR sensor positioning and orientation (POS) was determined using the collected GPS/IMU datasets and Applanix POSPac software.

Base Station Position: PP-RTX

The POS data was combined with the LiDAR range files and used to generate LiDAR point clouds in NZTM and ellipsoidal heights. This process was undertaken using Optech LMS LiDAR processing software. The data was checked for completeness of coverage. The relative fit of data in the overlap between strips was also checked.

The height accuracy of the ground classified LiDAR points was checked using open land-cover survey check site data collected by Sounds Surveying Ltd. This was done by calculating height differences statistics between a TIN of the LiDAR ground points and the checkpoints. The standard deviation statistic is 0.028 m; a RMS of 0.042 m and the average difference is 0.031 m. LiDAR is relative to the control check points.

The positional accuracy of the LiDAR data has been checked by overlaying Sounds Surveying Ltd surveyed data over the LiDAR data displayed coded by intensity. The data was found to fit well in position.

The point cloud data was then classified with TerraSolid LiDAR processing software into ground and above ground returns using automated routines tailored to the project landcover and terrain.

Product Deliverables

All product deliverables supplied in terms of NZTM/GD2000 map projection and NZVD2016 and Lyttelton 1937 vertical datum. The data was converted from NZGD2000 ellipsoidal heights into the local height system using the LINZ NZGeoid16 separation and offset model.

The following details the folder contents:

AOI:	Extent is the limit of the project area This dataset is supplied in SHP format and DXF
Raw Point Cloud:	Contains the unclassified LiDAR point cloud points as they were prior to being classified This dataset is supplied in ASPRS LAS v1.2 format
Classified Point Cloud:	Contains the LiDAR point cloud points that have been classified This dataset is supplied in ASPRS LAS v1.2 format
Gridded DEM:	Contains the gridded ground surface (1 m separation grid) This dataset is supplied in TIF/TFW format
Gridded DSM:	Contains the gridded top of surface (1 m separation grid) This dataset is supplied in TIF/TFW format
Intensity Images:	Contains the raster images created using the intensity values of the LiDAR returns This dataset is supplied in TIF/TFW format
Breaklines:	Contains breaklines representing all hydro-flattened features This dataset is supplied in ESRI SHP/Geodatabase format
Tile Layout	Tiles is the tile layout for the project area Tile size 1:1000 sheet layout (480 x 720 m) Tile dataset is supplied in SHP format and DXF

Surface_Type	Classification	Point_Class
BareEarth	2	Ground
Raw_Point_Cloud	1	Unclassified
Above_Ground_Data	14	Above_Ground
Noise	7	Classified
Overlap	12	Classified

All digital data supplied on 1 e-HDD. Data couriered to Environment Canterbury on: 28 May 2019.

If you have requirements for the data in other file formats, map projections please contact Aerial Surveys.

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Attribution Required

Copies:

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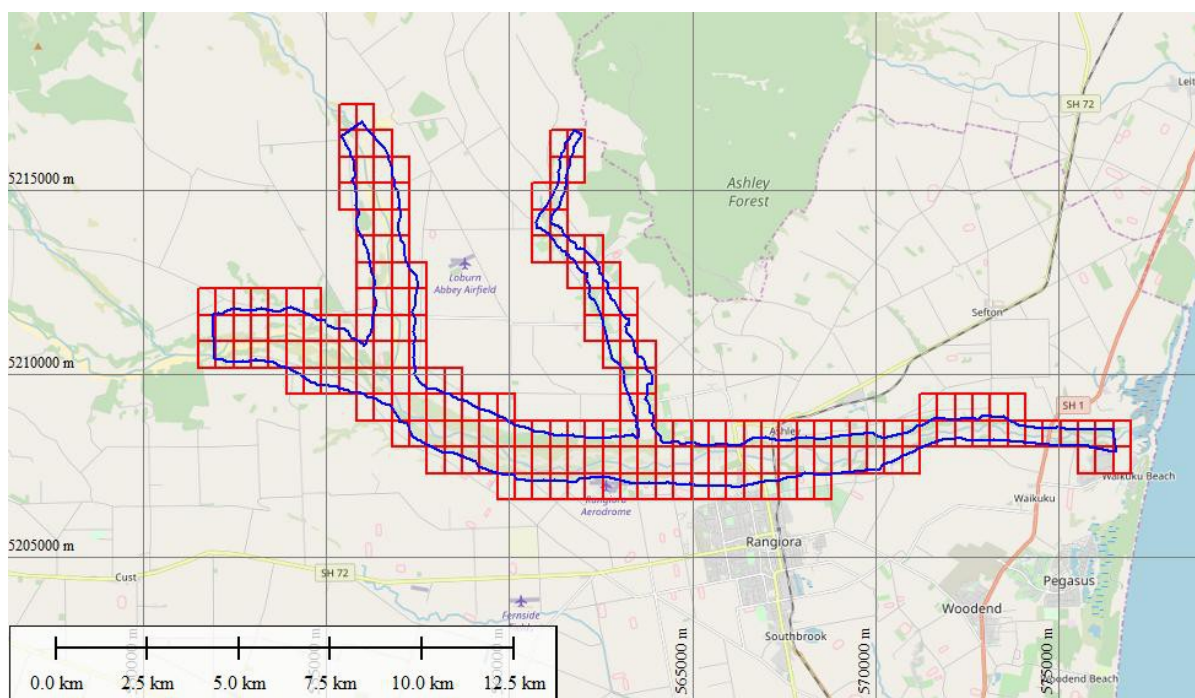
Derivative Works:

Copyright in the underlying dataset from which this work has been derived is owned jointly by Aerial Surveys Ltd and Environment Canterbury, and is used under license by Land Information New Zealand.

Appendix A: Project Area

The tile layout is shown in red.

The project extent area is shown in blue.



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53,638 6 Files

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 7/05/2019 1:02:32 PM A----- 44,702,983 CL2_BW23_2019_1000_2149.las
 7/05/2019 1:02:32 PM A----- 40,264,339 CL2_BW23_2019_1000_2225.las
 7/05/2019 1:02:33 PM A----- 41,679,291 CL2_BW23_2019_1000_2226.las
 7/05/2019 1:02:34 PM A----- 35,786,047 CL2_BW23_2019_1000_2227.las
 7/05/2019 1:02:35 PM A----- 37,097,567 CL2_BW23_2019_1000_2228.las
 7/05/2019 1:02:34 PM A----- 36,466,839 CL2_BW23_2019_1000_2229.las
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 7/05/2019 1:03:09 PM A----- 35,053,763 CL2_BW23_2019_1000_2546.las

7/05/2019 1:03:08 PM A-----	33,874,851	CL2_BW23_2019_1000_2547.las	-----	
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7/05/2019 1:03:11 PM A-----	41,400,327	CL2_BW23_2019_1000_2550.las	H:\ProjectDATA\Canterbury2018-	
7/05/2019 1:03:12 PM A-----	35,004,147	CL2_BW23_2019_1000_2638.las	19LiDAR_SurveyFpfa1225\OUTPUT\Ashley\Output\LTN37\LAS_Unclassified	
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7/05/2019 1:06:30 PM A-----	44,286,539	UNC_BW23_2019_1000_2028.las	7/05/2019 1:07:37 PM A-----	38,158,123
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7/05/2019 1:06:34 PM A-----	37,760,215	UNC_BW23_2019_1000_2037.las	UNC_BW23_2019_1000_2647.las	
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7/05/2019 1:06:48 PM A-----	50,752,663	UNC_BW23_2019_1000_2148.las	UNC_BW23_2019_1000_2747.las	
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7/05/2019 1:06:52 PM A-----	35,786,047	UNC_BW23_2019_1000_2227.las	UNC_BW23_2019_1000_2749.las	
7/05/2019 1:06:52 PM A-----	37,097,567	UNC_BW23_2019_1000_2228.las	7/05/2019 1:07:49 PM A-----	45,018,991
7/05/2019 1:06:53 PM A-----	36,466,839	UNC_BW23_2019_1000_2229.las	UNC_BW23_2019_1000_2750.las	
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7/05/2019 1:06:54 PM A-----	33,940,063	UNC_BW23_2019_1000_2231.las	UNC_BW24_2019_1000_2416.las	
7/05/2019 1:06:56 PM A-----	42,410,119	UNC_BW23_2019_1000_2232.las	7/05/2019 1:07:49 PM A-----	44,225,667
7/05/2019 1:06:57 PM A-----	41,777,543	UNC_BW23_2019_1000_2233.las	UNC_BW24_2019_1000_2417.las	
7/05/2019 1:06:57 PM A-----	35,724,783	UNC_BW23_2019_1000_2234.las	7/05/2019 1:07:49 PM A-----	38,186,095
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7/05/2019 1:06:59 PM A-----	39,321,551	UNC_BW23_2019_1000_2236.las	7/05/2019 1:07:49 PM A-----	39,395,751
7/05/2019 1:06:57 PM A-----	33,985,871	UNC_BW23_2019_1000_2237.las	UNC_BW24_2019_1000_2419.las	
7/05/2019 1:07:00 PM A-----	39,509,627	UNC_BW23_2019_1000_2248.las	7/05/2019 1:07:51 PM A-----	42,658,675
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7/05/2019 1:07:02 PM A-----	36,738,215	UNC_BW23_2019_1000_2330.las	UNC_BW24_2019_1000_2421.las	
7/05/2019 1:07:02 PM A-----	33,723,119	UNC_BW23_2019_1000_2331.las	7/05/2019 1:07:55 PM A-----	43,300,155
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7/05/2019 1:07:04 PM A-----	37,842,199	UNC_BW23_2019_1000_2334.las	UNC_BW24_2019_1000_2502.las	
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7/05/2019 1:07:18 PM A-----	44,754,447	UNC_BW23_2019_1000_2449.las	7/05/2019 1:08:01 PM A-----	44,117,167
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7/05/2019 1:07:18 PM A-----	21,615,163	UNC_BW23_2019_1000_2536.las	7/05/2019 1:08:01 PM A-----	44,062,567
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7/05/2019 1:07:27 PM A-----	39,148,175	UNC_BW23_2019_1000_2545.las	UNC_BW24_2019_1000_2516.las	
7/05/2019 1:07:27 PM A-----	35,053,763	UNC_BW23_2019_1000_2546.las	7/05/2019 1:08:07 PM A-----	41,747,555
7/05/2019 1:07:26 PM A-----	33,874,851	UNC_BW23_2019_1000_2547.las	UNC_BW24_2019_1000_2517.las	
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7/05/2019 1:07:30 PM A-----	46,892,835	UNC_BW23_2019_1000_2549.las	UNC_BW24_2019_1000_2518.las	
7/05/2019 1:07:31 PM A-----	41,400,327	UNC_BW23_2019_1000_2550.las	7/05/2019 1:08:08 PM A-----	42,719,995
7/05/2019 1:07:31 PM A-----	35,004,147	UNC_BW23_2019_1000_2638.las	UNC_BW24_2019_1000_2519.las	
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7/05/2019 1:07:36 PM A-----	33,278,087	UNC_BW23_2019_1000_2643.las		

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7/05/2019 1:08:11 PM A----- 40,950,367 UNC_BW24_2019_1000_2523.las
7/05/2019 1:08:11 PM A----- 39,907,059 UNC_BW24_2019_1000_2524.las
7/05/2019 1:08:12 PM A----- 42,380,439 UNC_BW24_2019_1000_2525.las
7/05/2019 1:08:14 PM A----- 42,886,091 UNC_BW24_2019_1000_2526.las
7/05/2019 1:08:13 PM A----- 38,307,671 UNC_BW24_2019_1000_2527.las
7/05/2019 1:08:15 PM A----- 35,864,699 UNC_BW24_2019_1000_2601.las
7/05/2019 1:08:15 PM A----- 38,072,191 UNC_BW24_2019_1000_2602.las
7/05/2019 1:08:15 PM A----- 34,893,575 UNC_BW24_2019_1000_2603.las
7/05/2019 1:08:16 PM A----- 33,289,987 UNC_BW24_2019_1000_2604.las
7/05/2019 1:08:17 PM A----- 32,426,971 UNC_BW24_2019_1000_2605.las
7/05/2019 1:08:18 PM A----- 32,312,003 UNC_BW24_2019_1000_2606.las
7/05/2019 1:08:18 PM A----- 32,674,407 UNC_BW24_2019_1000_2607.las
7/05/2019 1:08:20 PM A----- 34,061,051 UNC_BW24_2019_1000_2608.las
7/05/2019 1:08:20 PM A----- 35,240,439 UNC_BW24_2019_1000_2609.las
7/05/2019 1:08:22 PM A----- 36,369,455 UNC_BW24_2019_1000_2610.las
7/05/2019 1:08:22 PM A----- 36,429,683 UNC_BW24_2019_1000_2611.las
7/05/2019 1:08:23 PM A----- 34,177,615 UNC_BW24_2019_1000_2612.las
7/05/2019 1:08:23 PM A----- 33,191,343 UNC_BW24_2019_1000_2613.las
7/05/2019 1:08:24 PM A----- 34,822,763 UNC_BW24_2019_1000_2614.las
7/05/2019 1:08:25 PM A----- 34,148,523 UNC_BW24_2019_1000_2615.las
7/05/2019 1:08:26 PM A----- 33,281,699 UNC_BW24_2019_1000_2625.las
7/05/2019 1:08:27 PM A----- 41,777,515 UNC_BW24_2019_1000_2626.las
7/05/2019 1:08:27 PM A----- 33,222,311 UNC_BW24_2019_1000_2627.las
7/05/2019 1:08:30 PM A----- 55,750,607 UNC_BW24_2019_1000_2701.las
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7/05/2019 1:08:31 PM A----- 43,446,651 UNC_BW24_2019_1000_2704.las
7/05/2019 1:08:32 PM A----- 41,716,111 UNC_BW24_2019_1000_2705.las
7/05/2019 1:08:32 PM A----- 42,982,803 UNC_BW24_2019_1000_2706.las
7/05/2019 1:08:33 PM A----- 42,055,135 UNC_BW24_2019_1000_2707.las
7/05/2019 1:08:33 PM A----- 43,203,023 UNC_BW24_2019_1000_2708.las
7/05/2019 1:08:33 PM A----- 42,829,195 UNC_BW24_2019_1000_2709.las
7/05/2019 1:08:34 PM A----- 41,874,535 UNC_BW24_2019_1000_2710.las

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8,227,928,939 205 Files

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19LiDAR_SurveyFpfa1225\OUTPUT\Ashley\Output\NZVD2016
10/05/2019 1:41:41 PM -D----- GriddedDEM
10/05/2019 1:41:50 PM -D----- GriddedDSM
7/05/2019 2:54:31 PM -D----- HydroBreaklines
10/05/2019 1:42:14 PM -D----- Intensity
10/05/2019 1:42:25 PM -D----- LAS_Classified
10/05/2019 1:42:33 PM -D----- LAS_Unclassified

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0 0 Files

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H:\ProjectDATA\Canterbury2018-
19LiDAR_SurveyFpfa1225\OUTPUT\Ashley\Output\NZVD2016\GriddedDEM
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7/05/2019 10:13:25 AM A----- 1,388,687 DEM_BW23_2019_1000_1333.tif
7/05/2019 10:13:23 AM A----- 57 DEM_BW23_2019_1000_1334.tfw
7/05/2019 10:13:25 AM A----- 1,388,687 DEM_BW23_2019_1000_1334.tif
7/05/2019 10:13:22 AM A----- 57 DEM_BW23_2019_1000_1433.tfw
7/05/2019 10:13:21 AM A----- 1,388,687 DEM_BW23_2019_1000_1433.tif
7/05/2019 10:13:18 AM A----- 57 DEM_BW23_2019_1000_1434.tfw
7/05/2019 10:13:21 AM A----- 1,388,687 DEM_BW23_2019_1000_1434.tif
7/05/2019 10:13:18 AM A----- 57 DEM_BW23_2019_1000_1435.tfw
7/05/2019 10:13:18 AM A----- 1,388,687 DEM_BW23_2019_1000_1435.tif
7/05/2019 10:13:17 AM A----- 57 DEM_BW23_2019_1000_1445.tfw
7/05/2019 10:13:16 AM A----- 1,388,687 DEM_BW23_2019_1000_1445.tif
7/05/2019 10:13:13 AM A----- 57 DEM_BW23_2019_1000_1446.tfw
7/05/2019 10:13:11 AM A----- 1,388,687 DEM_BW23_2019_1000_1446.tif
7/05/2019 10:13:09 AM A----- 57 DEM_BW23_2019_1000_1533.tfw
7/05/2019 10:13:16 AM A----- 1,388,687 DEM_BW23_2019_1000_1533.tif
7/05/2019 10:13:08 AM A----- 57 DEM_BW23_2019_1000_1534.tfw
7/05/2019 10:13:08 AM A----- 1,388,687 DEM_BW23_2019_1000_1534.tif
7/05/2019 10:13:06 AM A----- 57 DEM_BW23_2019_1000_1535.tfw
7/05/2019 10:13:07 AM A----- 1,388,687 DEM_BW23_2019_1000_1535.tif
7/05/2019 10:13:04 AM A----- 57 DEM_BW23_2019_1000_1536.tfw
7/05/2019 10:13:05 AM A----- 1,388,687 DEM_BW23_2019_1000_1536.tif
7/05/2019 10:13:02 AM A----- 57 DEM_BW23_2019_1000_1545.tfw
7/05/2019 10:13:03 AM A----- 1,388,687 DEM_BW23_2019_1000_1545.tif
7/05/2019 10:13:00 AM A----- 57 DEM_BW23_2019_1000_1546.tfw
7/05/2019 10:13:01 AM A----- 1,388,687 DEM_BW23_2019_1000_1546.tif
7/05/2019 10:12:59 AM A----- 57 DEM_BW23_2019_1000_1633.tfw
7/05/2019 10:12:59 AM A----- 1,388,687 DEM_BW23_2019_1000_1633.tif
7/05/2019 10:12:57 AM A----- 57 DEM_BW23_2019_1000_1634.tfw
7/05/2019 10:12:58 AM A----- 1,388,687 DEM_BW23_2019_1000_1634.tif
7/05/2019 10:12:55 AM A----- 57 DEM_BW23_2019_1000_1635.tfw
7/05/2019 10:12:56 AM A----- 1,388,687 DEM_BW23_2019_1000_1635.tif
7/05/2019 10:12:54 AM A----- 57 DEM_BW23_2019_1000_1636.tfw
7/05/2019 10:12:54 AM A----- 1,388,687 DEM_BW23_2019_1000_1636.tif
7/05/2019 10:12:51 AM A----- 57 DEM_BW23_2019_1000_1644.tfw
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7/05/2019 10:12:50 AM A----- 57 DEM_BW23_2019_1000_1645.tfw

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DEM_BW23_2019_1000_1645.tif
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DEM_BW23_2019_1000_1734.tif
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DEM_BW23_2019_1000_1735.tif
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DEM_BW23_2019_1000_1736.tif
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DEM_BW23_2019_1000_1745.tif
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DEM_BW23_2019_1000_1834.tif
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DEM_BW23_2019_1000_1835.tif
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DEM_BW23_2019_1000_1836.tif
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DEM_BW23_2019_1000_1844.tif
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DEM_BW23_2019_1000_1845.tif
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DEM_BW23_2019_1000_1846.tif
7/05/2019 10:12:26 AM A----- 57 DEM_BW23_2019_1000_1847.tfw
7/05/2019 10:12:26 AM A----- 1,388,687
DEM_BW23_2019_1000_1847.tif
7/05/2019 10:12:24 AM A----- 57 DEM_BW23_2019_1000_1934.tfw
7/05/2019 10:12:25 AM A----- 1,388,687
DEM_BW23_2019_1000_1934.tif
7/05/2019 10:12:22 AM A----- 57 DEM_BW23_2019_1000_1935.tfw
7/05/2019 10:12:23 AM A----- 1,388,687
DEM_BW23_2019_1000_1935.tif
7/05/2019 10:12:21 AM A----- 57 DEM_BW23_2019_1000_1936.tfw
7/05/2019 10:12:21 AM A----- 1,388,687
DEM_BW23_2019_1000_1936.tif
7/05/2019 10:12:18 AM A----- 57 DEM_BW23_2019_1000_1937.tfw
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DEM_BW23_2019_1000_1937.tif
7/05/2019 10:12:16 AM A----- 57 DEM_BW23_2019_1000_1946.tfw
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DEM_BW23_2019_1000_1946.tif
7/05/2019 10:12:14 AM A----- 57 DEM_BW23_2019_1000_1947.tfw
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DEM_BW23_2019_1000_1947.tif
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DEM_BW23_2019_1000_1948.tif
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DEM_BW23_2019_1000_2025.tif
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DEM_BW23_2019_1000_2026.tif
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DEM_BW23_2019_1000_2027.tif
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DEM_BW23_2019_1000_2028.tif
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DEM_BW23_2019_1000_2029.tif
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DEM_BW23_2019_1000_2030.tif
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DEM_BW23_2019_1000_2031.tif
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DEM_BW23_2019_1000_2034.tif
7/05/2019 10:11:54 AM A----- 57 DEM_BW23_2019_1000_2035.tfw
7/05/2019 10:11:54 AM A----- 1,388,687
DEM_BW23_2019_1000_2035.tif
7/05/2019 10:11:52 AM A----- 57 DEM_BW23_2019_1000_2036.tfw

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7/05/2019 10:11:52 AM A-----	1,388,687	DEM_BW23_2019_1000_2036.tif	7/05/2019 10:10:36 AM A-----	57	DEM_BW23_2019_1000_2337.tif
7/05/2019 10:11:50 AM A-----	57	DEM_BW23_2019_1000_2037.tif	7/05/2019 10:10:39 AM A-----	1,388,687	
7/05/2019 10:11:51 AM A-----	1,388,687	DEM_BW23_2019_1000_2037.tif			DEM_BW23_2019_1000_2337.tif
7/05/2019 10:11:49 AM A-----	57	DEM_BW23_2019_1000_2047.tif	7/05/2019 10:10:35 AM A-----	57	DEM_BW23_2019_1000_2338.tif
7/05/2019 10:11:49 AM A-----	1,388,687	DEM_BW23_2019_1000_2047.tif	7/05/2019 10:10:35 AM A-----	1,388,687	
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7/05/2019 10:11:45 AM A-----	1,388,687	DEM_BW23_2019_1000_2125.tif	7/05/2019 10:10:31 AM A-----	1,388,687	
7/05/2019 10:11:43 AM A-----	57	DEM_BW23_2019_1000_2126.tif			DEM_BW23_2019_1000_2349.tif
7/05/2019 10:11:43 AM A-----	1,388,687	DEM_BW23_2019_1000_2126.tif	7/05/2019 10:10:29 AM A-----	57	DEM_BW23_2019_1000_2350.tif
7/05/2019 10:11:41 AM A-----	57	DEM_BW23_2019_1000_2127.tif	7/05/2019 10:10:31 AM A-----	1,388,687	
7/05/2019 10:11:42 AM A-----	1,388,687	DEM_BW23_2019_1000_2127.tif			DEM_BW23_2019_1000_2350.tif
7/05/2019 10:11:40 AM A-----	57	DEM_BW23_2019_1000_2128.tif	7/05/2019 10:10:28 AM A-----	57	DEM_BW23_2019_1000_2434.tif
7/05/2019 10:11:40 AM A-----	1,388,687	DEM_BW23_2019_1000_2128.tif	7/05/2019 10:10:28 AM A-----	1,388,687	
7/05/2019 10:11:38 AM A-----	57	DEM_BW23_2019_1000_2129.tif			DEM_BW23_2019_1000_2434.tif
7/05/2019 10:11:39 AM A-----	1,388,687	DEM_BW23_2019_1000_2129.tif	7/05/2019 10:10:26 AM A-----	57	DEM_BW23_2019_1000_2435.tif
7/05/2019 10:11:37 AM A-----	57	DEM_BW23_2019_1000_2130.tif	7/05/2019 10:10:27 AM A-----	1,388,687	
7/05/2019 10:11:37 AM A-----	1,388,687	DEM_BW23_2019_1000_2130.tif			DEM_BW23_2019_1000_2435.tif
7/05/2019 10:11:35 AM A-----	57	DEM_BW23_2019_1000_2131.tif	7/05/2019 10:10:25 AM A-----	57	DEM_BW23_2019_1000_2436.tif
7/05/2019 10:11:36 AM A-----	1,388,687	DEM_BW23_2019_1000_2131.tif	7/05/2019 10:10:25 AM A-----	1,388,687	
7/05/2019 10:11:34 AM A-----	57	DEM_BW23_2019_1000_2132.tif			DEM_BW23_2019_1000_2436.tif
7/05/2019 10:11:34 AM A-----	1,388,687	DEM_BW23_2019_1000_2132.tif	7/05/2019 10:10:23 AM A-----	57	DEM_BW23_2019_1000_2437.tif
7/05/2019 10:11:32 AM A-----	57	DEM_BW23_2019_1000_2133.tif	7/05/2019 10:10:24 AM A-----	1,388,687	
7/05/2019 10:11:33 AM A-----	1,388,687	DEM_BW23_2019_1000_2133.tif			DEM_BW23_2019_1000_2437.tif
7/05/2019 10:11:31 AM A-----	57	DEM_BW23_2019_1000_2134.tif	7/05/2019 10:10:22 AM A-----	57	DEM_BW23_2019_1000_2438.tif
7/05/2019 10:11:31 AM A-----	1,388,687	DEM_BW23_2019_1000_2134.tif	7/05/2019 10:10:22 AM A-----	1,388,687	
7/05/2019 10:11:29 AM A-----	57	DEM_BW23_2019_1000_2135.tif			DEM_BW23_2019_1000_2438.tif
7/05/2019 10:11:29 AM A-----	1,388,687	DEM_BW23_2019_1000_2135.tif	7/05/2019 10:10:20 AM A-----	57	DEM_BW23_2019_1000_2439.tif
7/05/2019 10:11:27 AM A-----	57	DEM_BW23_2019_1000_2136.tif	7/05/2019 10:10:21 AM A-----	1,388,687	
7/05/2019 10:11:28 AM A-----	1,388,687	DEM_BW23_2019_1000_2136.tif			DEM_BW23_2019_1000_2439.tif
7/05/2019 10:11:25 AM A-----	57	DEM_BW23_2019_1000_2137.tif	7/05/2019 10:10:19 AM A-----	57	DEM_BW23_2019_1000_2440.tif
7/05/2019 10:11:26 AM A-----	1,388,687	DEM_BW23_2019_1000_2137.tif	7/05/2019 10:10:19 AM A-----	1,388,687	
7/05/2019 10:11:24 AM A-----	57	DEM_BW23_2019_1000_2147.tif			DEM_BW23_2019_1000_2440.tif
7/05/2019 10:11:24 AM A-----	1,388,687	DEM_BW23_2019_1			

7/05/2019 10:09:49 AM A-----	57 DEM_BW23_2019_1000_2549.tfw	7/05/2019 10:08:32 AM A-----	1,388,687
7/05/2019 10:09:50 AM A-----	1,388,687 DEM_BW23_2019_1000_2549.tif	DEM_BW24_2019_1000_2514.tif	
7/05/2019 10:09:48 AM A-----	57 DEM_BW23_2019_1000_2550.tfw	7/05/2019 10:08:29 AM A-----	57 DEM_BW24_2019_1000_2515.tfw
7/05/2019 10:09:48 AM A-----	1,388,687 DEM_BW23_2019_1000_2550.tif	7/05/2019 10:08:30 AM A-----	1,388,687
7/05/2019 10:09:46 AM A-----	57 DEM_BW23_2019_1000_2638.tfw	DEM_BW24_2019_1000_2515.tif	
7/05/2019 10:09:47 AM A-----	1,388,687 DEM_BW23_2019_1000_2638.tif	7/05/2019 10:08:27 AM A-----	57 DEM_BW24_2019_1000_2516.tfw
7/05/2019 10:09:44 AM A-----	57 DEM_BW23_2019_1000_2639.tfw	7/05/2019 10:08:28 AM A-----	1,388,687
7/05/2019 10:09:45 AM A-----	1,388,687 DEM_BW23_2019_1000_2639.tif	DEM_BW24_2019_1000_2516.tif	
7/05/2019 10:09:42 AM A-----	57 DEM_BW23_2019_1000_2640.tfw	7/05/2019 10:08:26 AM A-----	57 DEM_BW24_2019_1000_2517.tfw
7/05/2019 10:09:43 AM A-----	1,388,687 DEM_BW23_2019_1000_2640.tif	7/05/2019 10:08:26 AM A-----	1,388,687
7/05/2019 10:09:41 AM A-----	57 DEM_BW23_2019_1000_2641.tfw	DEM_BW24_2019_1000_2517.tif	
7/05/2019 10:09:41 AM A-----	1,388,687 DEM_BW23_2019_1000_2641.tif	7/05/2019 10:08:24 AM A-----	57 DEM_BW24_2019_1000_2518.tfw
7/05/2019 10:09:39 AM A-----	57 DEM_BW23_2019_1000_2642.tfw	7/05/2019 10:08:25 AM A-----	1,388,687
7/05/2019 10:09:40 AM A-----	1,388,687 DEM_BW23_2019_1000_2642.tif	DEM_BW24_2019_1000_2518.tif	
7/05/2019 10:09:38 AM A-----	57 DEM_BW23_2019_1000_2643.tfw	7/05/2019 10:08:22 AM A-----	57 DEM_BW24_2019_1000_2519.tfw
7/05/2019 10:09:38 AM A-----	1,388,687 DEM_BW23_2019_1000_2643.tif	7/05/2019 10:08:23 AM A-----	1,388,687
7/05/2019 10:09:36 AM A-----	57 DEM_BW23_2019_1000_2644.tfw	DEM_BW24_2019_1000_2519.tif	
7/05/2019 10:09:37 AM A-----	1,388,687 DEM_BW23_2019_1000_2644.tif	7/05/2019 10:08:20 AM A-----	57 DEM_BW24_2019_1000_2520.tfw
7/05/2019 10:09:35 AM A-----	57 DEM_BW23_2019_1000_2645.tfw	7/05/2019 10:08:21 AM A-----	1,388,687
7/05/2019 10:09:34 AM A-----	1,388,687 DEM_BW23_2019_1000_2645.tif	DEM_BW24_2019_1000_2520.tif	
7/05/2019 10:09:32 AM A-----	57 DEM_BW23_2019_1000_2646.tfw	7/05/2019 10:08:17 AM A-----	57 DEM_BW24_2019_1000_2521.tfw
7/05/2019 10:09:34 AM A-----	1,388,687 DEM_BW23_2019_1000_2646.tif	7/05/2019 10:08:19 AM A-----	1,388,687
7/05/2019 10:09:30 AM A-----	57 DEM_BW23_2019_1000_2647.tfw	DEM_BW24_2019_1000_2521.tif	
7/05/2019 10:09:31 AM A-----	1,388,687 DEM_BW23_2019_1000_2647.tif	7/05/2019 10:08:15 AM A-----	57 DEM_BW24_2019_1000_2522.tfw
7/05/2019 10:09:29 AM A-----	57 DEM_BW23_2019_1000_2648.tfw	7/05/2019 10:08:16 AM A-----	1,388,687
7/05/2019 10:09:28 AM A-----	1,388,687 DEM_BW23_2019_1000_2648.tif	DEM_BW24_2019_1000_2522.tif	
7/05/2019 10:09:26 AM A-----	57 DEM_BW23_2019_1000_2649.tfw	7/05/2019 10:08:14 AM A-----	57 DEM_BW24_2019_1000_2523.tfw
7/05/2019 10:09:28 AM A-----	1,388,687 DEM_BW23_2019_1000_2649.tif	7/05/2019 10:08:14 AM A-----	1,388,687
7/05/2019 10:09:25 AM A-----	57 DEM_BW23_2019_1000_2650.tfw	DEM_BW24_2019_1000_2523.tif	
7/05/2019 10:09:24 AM A-----	1,388,687 DEM_BW23_2019_1000_2650.tif	7/05/2019 10:08:12 AM A-----	57 DEM_BW24_2019_1000_2524.tfw
7/05/2019 10:09:22 AM A-----	57 DEM_BW23_2019_1000_2742.tfw	7/05/2019 10:08:12 AM A-----	1,388,687
7/05/2019 10:09:24 AM A-----	1,388,687 DEM_BW23_2019_1000_2742.tif	DEM_BW24_2019_1000_2524.tif	
7/05/2019 10:09:21 AM A-----	57 DEM_BW23_2019_1000_2743.tfw	7/05/2019 10:08:10 AM A-----	57 DEM_BW24_2019_1000_2525.tfw
7/05/2019 10:09:21 AM A-----	1,388,687 DEM_BW23_2019_1000_2743.tif	7/05/2019 10:08:11 AM A-----	1,388,687
7/05/2019 10:09:18 AM A-----	57 DEM_BW23_2019_1000_2744.tfw	DEM_BW24_2019_1000_2525.tif	
7/05/2019 10:09:20 AM A-----	1,388,687 DEM_BW23_2019_1000_2744.tif	7/05/2019 10:08:09 AM A-----	57 DEM_BW24_2019_1000_2526.tfw
7/05/2019 10:09:17 AM A-----	57 DEM_BW23_2019_1000_2745.tfw	7/05/2019 10:08:09 AM A-----	1,388,687
7/05/2019 10:09:17 AM A-----	1,388,687 DEM_BW23_2019_1000_2745.tif	DEM_BW24_2019_1000_2526.tif	
7/05/2019 10:09:15 AM A-----	57 DEM_BW23_2019_1000_2746.tfw	7/05/2019 10:08:08 AM A-----	57 DEM_BW24_2019_1000_2527.tfw
7/05/2019 10:09:16 AM A-----	1,388,687 DEM_BW23_2019_1000_2746.tif	7/05/2019 10:08:08 AM A-----	1,388,687
7/05/2019 10:09:13 AM A-----	57 DEM_BW23_2019_1000_2747.tfw	DEM_BW24_2019_1000_2527.tif	
7/05/2019 10:09:14 AM A-----	1,388,687 DEM_BW23_2019_1000_2747.tif	7/05/2019 10:08:06 AM A-----	57 DEM_BW24_2019_1000_2601.tfw
7/05/2019 10:09:11 AM A-----	57 DEM_BW23_2019_1000_2748.tfw	7/05/2019 10:08:07 AM A-----	1,388,687
7/05/2019 10:09:12 AM A-----	1,388,687 DEM_BW23_2019_1000_2748.tif	DEM_BW24_2019_1000_2601.tif	
7/05/2019 10:09:10 AM A-----	57 DEM_BW23_2019_1000_2749.tfw	7/05/2019 10:08:05 AM A-----	57 DEM_BW24_2019_1000_2602.tfw
7/05/2019 10:09:09 AM A-----	1,388,687 DEM_BW23_2019_1000_2749.tif	7/05/2019 10:08:05 AM A-----	1,388,687
7/05/2019 10:09:06 AM A-----	57 DEM_BW23_2019_1000_2750.tfw	DEM_BW24_2019_1000_2602.tif	
7/05/2019 10:09:09 AM A-----	1,388,687 DEM_BW23_2019_1000_2750.tif	7/05/2019 10:08:03 AM A-----	57 DEM_BW24_2019_1000_2603.tfw
7/05/2019 10:09:05 AM A-----	57 DEM_BW24_2019_1000_2416.tfw	7/05/2019 10:08:04 AM A-----	1,388,687
7/05/2019 10:09:05 AM A-----	1,388,687 DEM_BW24_2019_1000_2416.tif	DEM_BW24_2019_1000_2603.tif	
7/05/2019 10:09:03 AM A-----	57 DEM_BW24_2019_1000_2417.tfw	7/05/2019 10:08:02 AM A-----	57 DEM_BW24_2019_1000_2604.tfw
7/05/2019 10:09:02 AM A-----	1,388,687 DEM_BW24_2019_1000_2417.tif	7/05/2019 10:08:02 AM A-----	1,388,687
7/05/2019 10:09:00 AM A-----	57 DEM_BW24_2019_1000_2418.tfw	DEM_BW24_2019_1000_2604.tif	
7/05/2019 10:09:04 AM A-----	1,388,687 DEM_BW24_2019_1000_2418.tif	7/05/2019 10:08:00 AM A-----	57 DEM_BW24_2019_1000_2605.tfw
7/05/2019 10:08:58 AM A-----	57 DEM_BW24_2019_1000_2419.tfw	7/05/2019 10:08:01 AM A-----	1,388,687
7/05/2019 10:08:59 AM A-----	1,388,687 DEM_BW24_2019_1000_2419.tif	DEM_BW24_2019_1000_2605.tif	
7/05/2019 10:08:57 AM A-----	57 DEM_BW24_2019_1000_2420.tfw	7/05/2019 10:07:59 AM A-----	57 DEM_BW24_2019_1000_2606.tfw
7/05/2019 10:08:57 AM A-----	1,388,687 DEM_BW24_2019_1000_2420.tif	7/05/2019 10:07:59 AM A-----	1,388,687
7/05/2019 10:08:55 AM A-----	57 DEM_BW24_2019_1000_2421.tfw	DEM_BW24_2019_1000_2606.tif	
7/05/2019 10:08:56 AM A-----	1,388,687 DEM_BW24_2019_1000_2421.tif	7/05/2019 10:07:57 AM A-----	57 DEM_BW24_2019_1000_2607.tfw
7/05/2019 10:08:53 AM A-----	57 DEM_BW24_2019_1000_2501.tfw	7/05/2019 10:07:58 AM A-----	1,388,687
7/05/2019 10:08:54 AM A-----	1,388,687 DEM_BW24_2019_1000_2501.tif	DEM_BW24_2019_1000_2607.tif	
7/05/2019 10:08:51 AM A-----	57 DEM_BW24_2019_1000_2502.tfw	7/05/2019 10:07:56 AM A-----	57 DEM_BW24_2019_1000_2608.tfw
7/05/2019 10:08:52 AM A-----	1,388,687 DEM_BW24_2019_1000_2502.tif	7/05/2019 10:07:56 AM A-----	1,388,687
7/05/2019 10:08:49 AM A-----	57 DEM_BW24_2019_1000_2503.tfw	DEM_BW24_2019_1000_2608.tif	
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7/05/2019 10:08:47 AM A-----	57 DEM_BW24_2019_1000_2504.tfw	7/05/2019 10:07:55 AM A-----	1,388,687
7/05/2019 10:08:48 AM A-----	1,388,687 DEM_BW24_2019_1000_2504.tif	DEM_BW24_2019_1000_2609.tif	
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7/05/2019 10:08:46 AM A-----	1,388,687 DEM_BW24_2019_1000_2505.tif	7/05/2019 10:07:53 AM A-----	1,388,687
7/05/2019 10:08:43 AM A-----	57 DEM_BW24_2019_1000_2506.tfw	DEM_BW24_2019_1000_2610.tif	
7/05/2019 10:08:45 AM A-----	1,388,687 DEM_BW24_2019_1000_2506.tif	7/05/2019 10:07:51 AM A-----	57 DEM_BW24_2019_1000_2611.tfw
7/05/2019 10:08:42 AM A-----	57 DEM_BW24_2019_1000_2507.tfw	7/05/2019 10:07:52 AM A-----	1,388,687
7/05/2019 10:08:42 AM A-----	1,388,687 DEM_BW24_2019_1000_2507.tif	DEM_BW24_2019_1000_2611.tif	
7/05/2019 10:08:40 AM A-----	57 DEM_BW24_2019_1000_2508.tfw	7/05/2019 10:07:49 AM A-----	57 DEM_BW24_2019_1000_2612.tfw
7/05/2019 10:08:41 AM A-----	1,388,687 DEM_BW24_2019_1000_2508.tif	7/05/2019 10:07:50 AM A-----	1,388,687
7/05/2019 10:08:39 AM A-----	57 DEM_BW24_2019_1000_2509.tfw	DEM_BW24_2019_1000_2612.tif	
7/05/2019 10:08:39 AM A-----	1,388,687 DEM_BW24_2019_1000_2509.tif	7/05/2019 10:07:48 AM A-----	57 DEM_BW24_2019_1000_2613.tfw
7/05/2019 10:08:37 AM A-----	57 DEM_BW24_2019_1000_2510.tfw	7/05/2019 10:07:47 AM A-----	1,388,687
7/05/2019 10:08:38 AM A-----	1,388,687 DEM_BW24_2019_1000_2510.tif	DEM_BW24_2019_1000_2613.tif	
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7/05/2019 10:08:36 AM A-----	1,388,687 DEM_BW24_2019_1000_2511.tif	7/05/2019 10:07:47 AM A-----	1,388,687
7/05/2019 10:08:34 AM A-----	57 DEM_BW24_2019_1000_2512.tfw	DEM_BW24_2019_1000_2614.tif	
7/05/2019 10:08:35 AM A-----	1,388,687 DEM_BW24_2019_1000_2512.tif	7/05/2019 10:07:44 AM A-----	57 DEM_BW24_2019_1000_2615.tfw
7/05/2019 10:08:33 AM A-----	57 DEM_BW24_2019_1000_2513.tfw	7/05/2019 10:07:44 AM A-----	1,388,687
7/05/2019 10:08:33 AM A-----	1,388,687 DEM_BW24_2019_1000_2513.tif	DEM_BW24_2019_1000_2615.tif	
7/05/2019 10:08:31 AM A-----	57 DEM_BW24_2019_1000_2514.tfw	7/05/2019 10:07:43 AM A-----	57 DEM_BW24_2019_1000_2625.tfw

7/05/2019 10:18:37 AM A-----	1,388,687 DSM_BW23_2019_1000_2130.tif	7/05/2019 10:16:47 AM A-----	57 DSM_BW23_2019_1000_2439.tif
7/05/2019 10:18:34 AM A-----	57 DSM_BW23_2019_1000_2131.tif	7/05/2019 10:16:46 AM A-----	1,388,687
7/05/2019 10:18:41 AM A-----	1,388,687 DSM_BW23_2019_1000_2131.tif	DSM_BW23_2019_1000_2439.tif	
7/05/2019 10:18:32 AM A-----	57 DSM_BW23_2019_1000_2132.tif	7/05/2019 10:16:44 AM A-----	57 DSM_BW23_2019_1000_2440.tif
7/05/2019 10:18:33 AM A-----	1,388,687 DSM_BW23_2019_1000_2132.tif	7/05/2019 10:16:47 AM A-----	1,388,687
7/05/2019 10:18:31 AM A-----	57 DSM_BW23_2019_1000_2133.tif	DSM_BW23_2019_1000_2440.tif	
7/05/2019 10:18:30 AM A-----	1,388,687 DSM_BW23_2019_1000_2133.tif	7/05/2019 10:16:43 AM A-----	57 DSM_BW23_2019_1000_2441.tif
7/05/2019 10:18:27 AM A-----	57 DSM_BW23_2019_1000_2134.tif	7/05/2019 10:16:42 AM A-----	1,388,687
7/05/2019 10:18:30 AM A-----	1,388,687 DSM_BW23_2019_1000_2134.tif	DSM_BW23_2019_1000_2441.tif	
7/05/2019 10:18:25 AM A-----	57 DSM_BW23_2019_1000_2135.tif	7/05/2019 10:16:40 AM A-----	57 DSM_BW23_2019_1000_2442.tif
7/05/2019 10:18:26 AM A-----	1,388,687 DSM_BW23_2019_1000_2135.tif	7/05/2019 10:16:39 AM A-----	1,388,687
7/05/2019 10:18:23 AM A-----	57 DSM_BW23_2019_1000_2136.tif	DSM_BW23_2019_1000_2442.tif	
7/05/2019 10:18:25 AM A-----	1,388,687 DSM_BW23_2019_1000_2136.tif	7/05/2019 10:16:37 AM A-----	57 DSM_BW23_2019_1000_2449.tif
7/05/2019 10:18:21 AM A-----	57 DSM_BW23_2019_1000_2137.tif	7/05/2019 10:16:42 AM A-----	1,388,687
7/05/2019 10:18:22 AM A-----	1,388,687 DSM_BW23_2019_1000_2137.tif	DSM_BW23_2019_1000_2449.tif	
7/05/2019 10:18:18 AM A-----	57 DSM_BW23_2019_1000_2147.tif	7/05/2019 10:16:35 AM A-----	57 DSM_BW23_2019_1000_2450.tif
7/05/2019 10:18:20 AM A-----	1,388,687 DSM_BW23_2019_1000_2147.tif	7/05/2019 10:16:36 AM A-----	1,388,687
7/05/2019 10:18:17 AM A-----	57 DSM_BW23_2019_1000_2148.tif	DSM_BW23_2019_1000_2450.tif	
7/05/2019 10:18:17 AM A-----	1,388,687 DSM_BW23_2019_1000_2148.tif	7/05/2019 10:16:33 AM A-----	57 DSM_BW23_2019_1000_2536.tif
7/05/2019 10:18:13 AM A-----	57 DSM_BW23_2019_1000_2149.tif	7/05/2019 10:16:34 AM A-----	1,388,687
7/05/2019 10:18:16 AM A-----	1,388,687 DSM_BW23_2019_1000_2149.tif	DSM_BW23_2019_1000_2536.tif	
7/05/2019 10:18:12 AM A-----	57 DSM_BW23_2019_1000_2225.tif	7/05/2019 10:16:32 AM A-----	57 DSM_BW23_2019_1000_2537.tif
7/05/2019 10:18:12 AM A-----	1,388,687 DSM_BW23_2019_1000_2225.tif	7/05/2019 10:16:32 AM A-----	1,388,687
7/05/2019 10:18:07 AM A-----	57 DSM_BW23_2019_1000_2226.tif	DSM_BW23_2019_1000_2537.tif	
7/05/2019 10:18:11 AM A-----	1,388,687 DSM_BW23_2019_1000_2226.tif	7/05/2019 10:16:30 AM A-----	57 DSM_BW23_2019_1000_2538.tif
7/05/2019 10:18:00 AM A-----	57 DSM_BW23_2019_1000_2227.tif	7/05/2019 10:16:31 AM A-----	1,388,687
7/05/2019 10:18:06 AM A-----	1,388,687 DSM_BW23_2019_1000_2227.tif	DSM_BW23_2019_1000_2538.tif	
7/05/2019 10:17:59 AM A-----	57 DSM_BW23_2019_1000_2228.tif	7/05/2019 10:16:29 AM A-----	57 DSM_BW23_2019_1000_2539.tif
7/05/2019 10:17:59 AM A-----	1,388,687 DSM_BW23_2019_1000_2228.tif	7/05/2019 10:16:29 AM A-----	1,388,687
7/05/2019 10:17:54 AM A-----	57 DSM_BW23_2019_1000_2229.tif	DSM_BW23_2019_1000_2539.tif	
7/05/2019 10:17:58 AM A-----	1,388,687 DSM_BW23_2019_1000_2229.tif	7/05/2019 10:16:27 AM A-----	57 DSM_BW23_2019_1000_2540.tif
7/05/2019 10:17:52 AM A-----	57 DSM_BW23_2019_1000_2230.tif	7/05/2019 10:16:28 AM A-----	1,388,687
7/05/2019 10:17:52 AM A-----	1,388,687 DSM_BW23_2019_1000_2230.tif	DSM_BW23_2019_1000_2540.tif	
7/05/2019 10:17:49 AM A-----	57 DSM_BW23_2019_1000_2231.tif	7/05/2019 10:16:26 AM A-----	57 DSM_BW23_2019_1000_2541.tif
7/05/2019 10:17:51 AM A-----	1,388,687 DSM_BW23_2019_1000_2231.tif	7/05/2019 10:16:26 AM A-----	1,388,687
7/05/2019 10:17:48 AM A-----	57 DSM_BW23_2019_1000_2232.tif	DSM_BW23_2019_1000_2541.tif	
7/05/2019 10:17:47 AM A-----	1,388,687 DSM_BW23_2019_1000_2232.tif	7/05/2019 10:16:24 AM A-----	57 DSM_BW23_2019_1000_2542.tif
7/05/2019 10:17:44 AM A-----	57 DSM_BW23_2019_1000_2233.tif	7/05/2019 10:16:25 AM A-----	1,388,687
7/05/2019 10:17:47 AM A-----	1,388,687 DSM_BW23_2019_1000_2233.tif	DSM_BW23_2019_1000_2542.tif	
7/05/2019 10:17:43 AM A-----	57 DSM_BW23_2019_1000_2234.tif	7/05/2019 10:16:22 AM A-----	57 DSM_BW23_2019_1000_2543.tif
7/05/2019 10:17:44 AM A-----	1,388,687 DSM_BW23_2019_1000_2234.tif	7/05/2019 10:16:23 AM A-----	1,388,687
7/05/2019 10:17:41 AM A-----	57 DSM_BW23_2019_1000_2235.tif	DSM_BW23_2019_1000_2543.tif	
7/05/2019 10:17:42 AM A-----	1,388,687 DSM_BW23_2019_1000_2235.tif	7/05/2019 10:16:20 AM A-----	57 DSM_BW23_2019_1000_2544.tif
7/05/2019 10:17:39 AM A-----	57 DSM_BW23_2019_1000_2236.tif	7/05/2019 10:16:21 AM A-----	1,388,687
7/05/2019 10:17:40 AM A-----	1,388,687 DSM_BW23_2019_1000_2236.tif	DSM_BW23_2019_1000_2544.tif	
7/05/2019 10:17:37 AM A-----	57 DSM_BW23_2019_1000_2237.tif	7/05/2019 10:16:18 AM A-----	57 DSM_BW23_2019_1000_2545.tif
7/05/2019 10:17:38 AM A-----	1,388,687 DSM_BW23_2019_1000_2237.tif	7/05/2019 10:16:19 AM A-----	1,388,687
7/05/2019 10:17:35 AM A-----	57 DSM_BW23_2019_1000_2248.tif	DSM_BW23_2019_1000_2545.tif	
7/05/2019 10:17:36 AM A-----	1,388,687 DSM_BW23_2019_1000_2248.tif	7/05/2019 10:16:16 AM A-----	57 DSM_BW23_2019_1000_2546.tif
7/05/2019 10:17:32 AM A-----	57 DSM_BW23_2019_1000_2249.tif	7/05/2019 10:16:17 AM A-----	1,388,687
7/05/2019 10:17:34 AM A-----	1,388,687 DSM_BW23_2019_1000_2249.tif	DSM_BW23_2019_1000_2546.tif	
7/05/2019 10:17:28 AM A-----	57 DSM_BW23_2019_1000_2250.tif	7/05/2019 10:16:15 AM A-----	57 DSM_BW23_2019_1000_2547.tif
7/05/2019 10:17:31 AM A-----	1,388,687 DSM_BW23_2019_1000_2250.tif	7/05/2019 10:16:15 AM A-----	1,388,687
7/05/2019 10:17:27 AM A-----	57 DSM_BW23_2019_1000_2330.tif	DSM_BW23_2019_1000_2547.tif	
7/05/2019 10:17:26 AM A-----	1,388,687 DSM_BW23_2019_1000_2330.tif	7/05/2019 10:16:13 AM A-----	57 DSM_BW23_2019_1000_2548.tif
7/05/2019 10:17:20 AM A-----	57 DSM_BW23_2019_1000_2331.tif	7/05/2019 10:16:14 AM A-----	1,388,687
7/05/2019 10:17:27 AM A-----	1,388,687 DSM_BW23_2019_1000_2331.tif	DSM_BW23_2019_1000_2548.tif	
7/05/2019 10:17:18 AM A-----	57 DSM_BW23_2019_1000_2332.tif	7/05/2019 10:16:11 AM A-----	57 DSM_BW23_2019_1000_2549.tif
7/05/2019 10:17:19 AM A-----	1,388,687 DSM_BW23_2019_1000_2332.tif	7/05/2019 10:16:12 AM A-----	1,388,687
7/05/2019 10:17:16 AM A-----	57 DSM_BW23_2019_1000_2333.tif	DSM_BW23_2019_1000_2549.tif	
7/05/2019 10:17:17 AM A-----	1,388,687 DSM_BW23_2019_1000_2333.tif	7/05/2019 10:16:10 AM A-----	57 DSM_BW23_2019_1000_2550.tif
7/05/2019 10:17:15 AM A-----	57 DSM_BW23_2019_1000_2334.tif	7/05/2019 10:16:09 AM A-----	1,388,687
7/05/2019 10:17:14 AM A-----	1,388,687 DSM_BW23_2019_1000_2334.tif	DSM_BW23_2019_1000_2550.tif	
7/05/2019 10:17:12 AM A-----	57 DSM_BW23_2019_1000_2335.tif	7/05/2019 10:16:06 AM A-----	57 DSM_BW23_2019_1000_2638.tif
7/05/2019 10:17:15 AM A-----	1,388,687 DSM_BW23_2019_1000_2335.tif	7/05/2019 10:16:09 AM A-----	1,388,687
7/05/2019 10:17:11 AM A-----	57 DSM_BW23_2019_1000_2336.tif	DSM_BW23_2019_1000_2638.tif	
7/05/2019 10:17:11 AM A-----	1,388,687 DSM_BW23_2019_1000_2336.tif	7/05/2019 10:16:05 AM A-----	57 DSM_BW23_2019_1000_2639.tif
7/05/2019 10:17:09 AM A-----	57 DSM_BW23_2019_1000_2337.tif	7/05/2019 10:16:05 AM A-----	1,388,687
7/05/2019 10:17:09 AM A-----	1,388,687 DSM_BW23_2019_1000_2337.tif	DSM_BW23_2019_1000_2639.tif	
7/05/2019 10:17:06 AM A-----	57 DSM_BW23_2019_1000_2338.tif	7/05/2019 10:16:01 AM A-----	57 DSM_BW23_2019_1000_2640.tif
7/05/2019 10:17:08 AM A-----	1,388,687 DSM_BW23_2019_1000_2338.tif	7/05/2019 10:16:04 AM A-----	1,388,687
7/05/2019 10:17:05 AM A-----	57 DSM_BW23_2019_1000_2339.tif	DSM_BW23_2019_1000_2640.tif	
7/05/2019 10:17:04 AM A-----	1,388,687 DSM_BW23_2019_1000_2339.tif	7/05/2019 10:15:59 AM A-----	57 DSM_BW23_2019_1000_2641.tif
7/05/2019 10:17:00 AM A-----	57 DSM_BW23_2019_1000_2349.tif	7/05/2019 10:16:00 AM A-----	1,388,687
7/05/2019 10:17:04 AM A-----	1,388,687 DSM_BW23_2019_1000_2349.tif	DSM_BW23_2019_1000_2641.tif	
7/05/2019 10:16:58 AM A-----	57 DSM_BW23_2019_1000_2350.tif	7/05/2019 10:15:55 AM A-----	57 DSM_BW23_2019_1000_2642.tif
7/05/2019 10:16:59 AM A-----	1,388,687 DSM_BW23_2019_1000_2350.tif	7/05/2019 10:15:58 AM A-----	1,388,687
7/05/2019 10:16:55 AM A-----	57 DSM_BW23_2019_1000_2434.tif	DSM_BW23_2019_1000_2642.tif	
7/05/2019 10:16:56 AM A-----	1,388,687 DSM_BW23_2019_1000_2434.tif	7/05/2019 10:15:54 AM A-----	57 DSM_BW23_2019_1000_2643.tif
7/05/2019 10:16:54 AM A-----	57 DSM_BW23_2019_1000_2435.tif	7/05/2019 10:15:53 AM A-----	1,388,687
7/05/2019 10:16:54 AM A-----	1,388,687 DSM_BW23_2019_1000_2435.tif	DSM_BW23_2019_1000_2643.tif	
7/05/2019 10:16:53 AM A-----	57 DSM_BW23_2019_1000_2436.tif	7/05/2019 10:15:50 AM A-----	57 DSM_BW23_2019_1000_2644.tif
7/05/2019 10:16:52 AM A-----	1,388,687 DSM_BW23_2019_1000_2436.tif	7/05/2019 10:15:53 AM A-----	1,388,687
7/05/2019 10:16:50 AM A-----	57 DSM_BW23_2019_1000_2437.tif	DSM_BW23_2019_1000_2644.tif	
7/05/2019 10:16:52 AM A-----	1,388,687 DSM_BW23_2019_1000_2437.tif	7/05/2019 10:15:49 AM A-----	57 DSM_BW23_2019_1000_2645.tif
7/05/2019 10:16:48 AM A-----	57 DSM_BW23_2019_1000_2438.tif	7/05/2019 10:15:48 AM A-----	1,388,687
7/05/2019 10:16:49 AM A-----	1,388,687 DSM_BW23_2019_1000_2438.tif	DSM_BW23_2019_1000_2645.tif	

7/05/2019 10:15:45 AM A-----	57 DSM_BW23_2019_1000_2646.tfw	7/05/2019 10:14:29 AM A-----	1,388,687
7/05/2019 10:15:49 AM A-----	1,388,687 DSM_BW23_2019_1000_2646.tif	DSM_BW24_2019_1000_2524.tif	
7/05/2019 10:15:42 AM A-----	57 DSM_BW23_2019_1000_2647.tfw	7/05/2019 10:14:27 AM A-----	57 DSM_BW24_2019_1000_2525.tfw
7/05/2019 10:15:44 AM A-----	1,388,687 DSM_BW23_2019_1000_2647.tif	7/05/2019 10:14:28 AM A-----	1,388,687
7/05/2019 10:15:41 AM A-----	57 DSM_BW23_2019_1000_2648.tfw	DSM_BW24_2019_1000_2525.tif	
7/05/2019 10:15:40 AM A-----	1,388,687 DSM_BW23_2019_1000_2648.tif	7/05/2019 10:14:25 AM A-----	57 DSM_BW24_2019_1000_2526.tfw
7/05/2019 10:15:37 AM A-----	57 DSM_BW23_2019_1000_2649.tfw	7/05/2019 10:14:26 AM A-----	1,388,687
7/05/2019 10:15:40 AM A-----	1,388,687 DSM_BW23_2019_1000_2649.tif	DSM_BW24_2019_1000_2526.tif	
7/05/2019 10:15:34 AM A-----	57 DSM_BW23_2019_1000_2650.tfw	7/05/2019 10:14:24 AM A-----	57 DSM_BW24_2019_1000_2527.tfw
7/05/2019 10:15:36 AM A-----	1,388,687 DSM_BW23_2019_1000_2650.tif	7/05/2019 10:14:24 AM A-----	1,388,687
7/05/2019 10:15:33 AM A-----	57 DSM_BW23_2019_1000_2742.tfw	DSM_BW24_2019_1000_2527.tif	
7/05/2019 10:15:33 AM A-----	1,388,687 DSM_BW23_2019_1000_2742.tif	7/05/2019 10:14:21 AM A-----	57 DSM_BW24_2019_1000_2601.tfw
7/05/2019 10:15:31 AM A-----	57 DSM_BW23_2019_1000_2743.tfw	7/05/2019 10:14:23 AM A-----	1,388,687
7/05/2019 10:15:32 AM A-----	1,388,687 DSM_BW23_2019_1000_2743.tif	DSM_BW24_2019_1000_2601.tif	
7/05/2019 10:15:29 AM A-----	57 DSM_BW23_2019_1000_2744.tfw	7/05/2019 10:14:20 AM A-----	57 DSM_BW24_2019_1000_2602.tfw
7/05/2019 10:15:30 AM A-----	1,388,687 DSM_BW23_2019_1000_2744.tif	7/05/2019 10:14:19 AM A-----	1,388,687
7/05/2019 10:15:28 AM A-----	57 DSM_BW23_2019_1000_2745.tfw	DSM_BW24_2019_1000_2602.tif	
7/05/2019 10:15:28 AM A-----	1,388,687 DSM_BW23_2019_1000_2745.tif	7/05/2019 10:14:17 AM A-----	57 DSM_BW24_2019_1000_2603.tfw
7/05/2019 10:15:26 AM A-----	57 DSM_BW23_2019_1000_2746.tfw	7/05/2019 10:14:20 AM A-----	1,388,687
7/05/2019 10:15:27 AM A-----	1,388,687 DSM_BW23_2019_1000_2746.tif	DSM_BW24_2019_1000_2603.tif	
7/05/2019 10:15:24 AM A-----	57 DSM_BW23_2019_1000_2747.tfw	7/05/2019 10:14:15 AM A-----	57 DSM_BW24_2019_1000_2604.tfw
7/05/2019 10:15:25 AM A-----	1,388,687 DSM_BW23_2019_1000_2747.tif	7/05/2019 10:14:16 AM A-----	1,388,687
7/05/2019 10:15:23 AM A-----	57 DSM_BW23_2019_1000_2748.tfw	DSM_BW24_2019_1000_2604.tif	
7/05/2019 10:15:23 AM A-----	1,388,687 DSM_BW23_2019_1000_2748.tif	7/05/2019 10:14:13 AM A-----	57 DSM_BW24_2019_1000_2605.tfw
7/05/2019 10:15:20 AM A-----	57 DSM_BW23_2019_1000_2749.tfw	7/05/2019 10:14:12 AM A-----	1,388,687
7/05/2019 10:15:22 AM A-----	1,388,687 DSM_BW23_2019_1000_2749.tif	DSM_BW24_2019_1000_2605.tif	
7/05/2019 10:15:18 AM A-----	57 DSM_BW23_2019_1000_2750.tfw	7/05/2019 10:14:10 AM A-----	57 DSM_BW24_2019_1000_2606.tfw
7/05/2019 10:15:19 AM A-----	1,388,687 DSM_BW23_2019_1000_2750.tif	7/05/2019 10:14:14 AM A-----	1,388,687
7/05/2019 10:15:17 AM A-----	57 DSM_BW24_2019_1000_2416.tfw	DSM_BW24_2019_1000_2606.tif	
7/05/2019 10:15:17 AM A-----	1,388,687 DSM_BW24_2019_1000_2416.tif	7/05/2019 10:14:09 AM A-----	57 DSM_BW24_2019_1000_2607.tfw
7/05/2019 10:15:14 AM A-----	57 DSM_BW24_2019_1000_2417.tfw	7/05/2019 10:14:08 AM A-----	1,388,687
7/05/2019 10:15:16 AM A-----	1,388,687 DSM_BW24_2019_1000_2417.tif	DSM_BW24_2019_1000_2607.tif	
7/05/2019 10:15:13 AM A-----	57 DSM_BW24_2019_1000_2418.tfw	7/05/2019 10:14:06 AM A-----	57 DSM_BW24_2019_1000_2608.tfw
7/05/2019 10:15:13 AM A-----	1,388,687 DSM_BW24_2019_1000_2418.tif	7/05/2019 10:14:05 AM A-----	1,388,687
7/05/2019 10:15:11 AM A-----	57 DSM_BW24_2019_1000_2419.tfw	DSM_BW24_2019_1000_2608.tif	
7/05/2019 10:15:12 AM A-----	1,388,687 DSM_BW24_2019_1000_2419.tif	7/05/2019 10:14:03 AM A-----	57 DSM_BW24_2019_1000_2609.tfw
7/05/2019 10:15:10 AM A-----	57 DSM_BW24_2019_1000_2420.tfw	7/05/2019 10:14:09 AM A-----	1,388,687
7/05/2019 10:15:10 AM A-----	1,388,687 DSM_BW24_2019_1000_2420.tif	DSM_BW24_2019_1000_2609.tif	
7/05/2019 10:15:09 AM A-----	57 DSM_BW24_2019_1000_2421.tfw	7/05/2019 10:14:01 AM A-----	57 DSM_BW24_2019_1000_2610.tfw
7/05/2019 10:15:08 AM A-----	1,388,687 DSM_BW24_2019_1000_2421.tif	7/05/2019 10:14:02 AM A-----	1,388,687
7/05/2019 10:15:06 AM A-----	57 DSM_BW24_2019_1000_2501.tfw	DSM_BW24_2019_1000_2610.tif	
7/05/2019 10:15:07 AM A-----	1,388,687 DSM_BW24_2019_1000_2501.tif	7/05/2019 10:14:00 AM A-----	57 DSM_BW24_2019_1000_2611.tfw
7/05/2019 10:15:05 AM A-----	57 DSM_BW24_2019_1000_2502.tfw	7/05/2019 10:14:00 AM A-----	1,388,687
7/05/2019 10:15:05 AM A-----	1,388,687 DSM_BW24_2019_1000_2502.tif	DSM_BW24_2019_1000_2611.tif	
7/05/2019 10:15:03 AM A-----	57 DSM_BW24_2019_1000_2503.tfw	7/05/2019 10:13:58 AM A-----	57 DSM_BW24_2019_1000_2612.tfw
7/05/2019 10:15:04 AM A-----	1,388,687 DSM_BW24_2019_1000_2503.tif	7/05/2019 10:13:59 AM A-----	1,388,687
7/05/2019 10:15:02 AM A-----	57 DSM_BW24_2019_1000_2504.tfw	DSM_BW24_2019_1000_2612.tif	
7/05/2019 10:15:02 AM A-----	1,388,687 DSM_BW24_2019_1000_2504.tif	7/05/2019 10:13:57 AM A-----	57 DSM_BW24_2019_1000_2613.tfw
7/05/2019 10:15:01 AM A-----	57 DSM_BW24_2019_1000_2505.tfw	7/05/2019 10:13:57 AM A-----	1,388,687
7/05/2019 10:15:01 AM A-----	1,388,687 DSM_BW24_2019_1000_2505.tif	DSM_BW24_2019_1000_2613.tif	
7/05/2019 10:14:59 AM A-----	57 DSM_BW24_2019_1000_2506.tfw	7/05/2019 10:13:55 AM A-----	57 DSM_BW24_2019_1000_2614.tfw
7/05/2019 10:15:00 AM A-----	1,388,687 DSM_BW24_2019_1000_2506.tif	7/05/2019 10:13:56 AM A-----	1,388,687
7/05/2019 10:14:57 AM A-----	57 DSM_BW24_2019_1000_2507.tfw	DSM_BW24_2019_1000_2614.tif	
7/05/2019 10:14:57 AM A-----	1,388,687 DSM_BW24_2019_1000_2507.tif	7/05/2019 10:13:54 AM A-----	57 DSM_BW24_2019_1000_2615.tfw
7/05/2019 10:14:55 AM A-----	57 DSM_BW24_2019_1000_2508.tfw	7/05/2019 10:13:54 AM A-----	1,388,687
7/05/2019 10:14:56 AM A-----	1,388,687 DSM_BW24_2019_1000_2508.tif	DSM_BW24_2019_1000_2615.tif	
7/05/2019 10:14:54 AM A-----	57 DSM_BW24_2019_1000_2509.tfw	7/05/2019 10:13:51 AM A-----	57 DSM_BW24_2019_1000_2625.tfw
7/05/2019 10:14:54 AM A-----	1,388,687 DSM_BW24_2019_1000_2509.tif	7/05/2019 10:13:53 AM A-----	1,388,687
7/05/2019 10:14:52 AM A-----	57 DSM_BW24_2019_1000_2510.tfw	DSM_BW24_2019_1000_2625.tif	
7/05/2019 10:14:52 AM A-----	1,388,687 DSM_BW24_2019_1000_2510.tif	7/05/2019 10:13:50 AM A-----	57 DSM_BW24_2019_1000_2626.tfw
7/05/2019 10:14:49 AM A-----	57 DSM_BW24_2019_1000_2511.tfw	7/05/2019 10:13:50 AM A-----	1,388,687
7/05/2019 10:14:51 AM A-----	1,388,687 DSM_BW24_2019_1000_2511.tif	DSM_BW24_2019_1000_2626.tif	
7/05/2019 10:14:48 AM A-----	57 DSM_BW24_2019_1000_2512.tfw	7/05/2019 10:13:46 AM A-----	57 DSM_BW24_2019_1000_2627.tfw
7/05/2019 10:14:48 AM A-----	1,388,687 DSM_BW24_2019_1000_2512.tif	7/05/2019 10:13:49 AM A-----	1,388,687
7/05/2019 10:14:46 AM A-----	57 DSM_BW24_2019_1000_2513.tfw	DSM_BW24_2019_1000_2627.tif	
7/05/2019 10:14:47 AM A-----	1,388,687 DSM_BW24_2019_1000_2513.tif	7/05/2019 10:13:45 AM A-----	57 DSM_BW24_2019_1000_2701.tfw
7/05/2019 10:14:44 AM A-----	57 DSM_BW24_2019_1000_2514.tfw	7/05/2019 10:13:45 AM A-----	1,388,687
7/05/2019 10:14:45 AM A-----	1,388,687 DSM_BW24_2019_1000_2514.tif	DSM_BW24_2019_1000_2701.tif	
7/05/2019 10:14:43 AM A-----	57 DSM_BW24_2019_1000_2515.tfw	7/05/2019 10:13:43 AM A-----	57 DSM_BW24_2019_1000_2702.tfw
7/05/2019 10:14:43 AM A-----	1,388,687 DSM_BW24_2019_1000_2515.tif	7/05/2019 10:13:42 AM A-----	1,388,687
7/05/2019 10:14:41 AM A-----	57 DSM_BW24_2019_1000_2516.tfw	DSM_BW24_2019_1000_2702.tif	
7/05/2019 10:14:42 AM A-----	1,388,687 DSM_BW24_2019_1000_2516.tif	7/05/2019 10:13:40 AM A-----	57 DSM_BW24_2019_1000_2703.tfw
7/05/2019 10:14:40 AM A-----	57 DSM_BW24_2019_1000_2517.tfw	7/05/2019 10:13:44 AM A-----	1,388,687
7/05/2019 10:14:40 AM A-----	1,388,687 DSM_BW24_2019_1000_2517.tif	DSM_BW24_2019_1000_2703.tif	
7/05/2019 10:14:38 AM A-----	57 DSM_BW24_2019_1000_2518.tfw	7/05/2019 10:13:39 AM A-----	57 DSM_BW24_2019_1000_2704.tfw
7/05/2019 10:14:39 AM A-----	1,388,687 DSM_BW24_2019_1000_2518.tif	7/05/2019 10:13:38 AM A-----	1,388,687
7/05/2019 10:14:37 AM A-----	57 DSM_BW24_2019_1000_2519.tfw	DSM_BW24_2019_1000_2704.tif	
7/05/2019 10:14:36 AM A-----	1,388,687 DSM_BW24_2019_1000_2519.tif	7/05/2019 10:13:36 AM A-----	57 DSM_BW24_2019_1000_2705.tfw
7/05/2019 10:14:34 AM A-----	57 DSM_BW24_2019_1000_2520.tfw	7/05/2019 10:13:35 AM A-----	1,388,687
7/05/2019 10:14:36 AM A-----	1,388,687 DSM_BW24_2019_1000_2520.tif	DSM_BW24_2019_1000_2705.tif	
7/05/2019 10:14:33 AM A-----	57 DSM_BW24_2019_1000_2521.tfw	7/05/2019 10:13:33 AM A-----	57 DSM_BW24_2019_1000_2706.tfw
7/05/2019 10:14:33 AM A-----	1,388,687 DSM_BW24_2019_1000_2521.tif	7/05/2019 10:13:38 AM A-----	1,388,687
7/05/2019 10:14:31 AM A-----	57 DSM_BW24_2019_1000_2522.tfw	DSM_BW24_2019_1000_2706.tif	
7/05/2019 10:14:32 AM A-----	1,388,687 DSM_BW24_2019_1000_2522.tif	7/05/2019 10:13:32 AM A-----	57 DSM_BW24_2019_1000_2707.tfw
7/05/2019 10:14:30 AM A-----	57 DSM_BW24_2019_1000_2523.tfw	7/05/2019 10:13:32 AM A-----	1,388,687
7/05/2019 10:14:31 AM A-----	1,388,687 DSM_BW24_2019_1000_2523.tif	DSM_BW24_2019_1000_2707.tif	
7/05/2019 10:14:29 AM A-----	57 DSM_BW24_2019_1000_2524.tfw	7/05/2019 10:13:31 AM A-----	57 DSM_BW24_2019_1000_2708.tfw

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7/05/2019 10:22:22 AM A----- 1,388,643 INT_BW24_2019_1000_2513.tif
 7/05/2019 10:22:20 AM A----- 37 INT_BW24_2019_1000_2514.tifw
 7/05/2019 10:22:21 AM A----- 1,388,643 INT_BW24_2019_1000_2514.tif
 7/05/2019 10:22:18 AM A----- 37 INT_BW24_2019_1000_2515.tifw
 7/05/2019 10:22:19 AM A----- 1,388,643 INT_BW24_2019_1000_2515.tif
 7/05/2019 10:22:17 AM A----- 37 INT_BW24_2019_1000_2516.tifw
 7/05/2019 10:22:16 AM A----- 1,388,643 INT_BW24_2019_1000_2516.tif
 7/05/2019 10:22:14 AM A----- 37 INT_BW24_2019_1000_2517.tifw
 7/05/2019 10:22:16 AM A----- 1,388,643 INT_BW24_2019_1000_2517.tif
 7/05/2019 10:22:12 AM A----- 37 INT_BW24_2019_1000_2518.tifw
 7/05/2019 10:22:13 AM A----- 1,388,643 INT_BW24_2019_1000_2518.tif
 7/05/2019 10:22:11 AM A----- 37 INT_BW24_2019_1000_2519.tifw
 7/05/2019 10:22:10 AM A----- 1,388,643 INT_BW24_2019_1000_2519.tif
 7/05/2019 10:22:08 AM A----- 37 INT_BW24_2019_1000_2520.tifw
 7/05/2019 10:22:11 AM A----- 1,388,643 INT_BW24_2019_1000_2520.tif
 7/05/2019 10:22:06 AM A----- 37 INT_BW24_2019_1000_2521.tifw
 7/05/2019 10:22:06 AM A----- 1,388,643 INT_BW24_2019_1000_2521.tif
 7/05/2019 10:22:04 AM A----- 37 INT_BW24_2019_1000_2522.tifw
 7/05/2019 10:22:05 AM A----- 1,388,643 INT_BW24_2019_1000_2522.tif
 7/05/2019 10:22:02 AM A----- 37 INT_BW24_2019_1000_2523.tifw
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 7/05/2019 10:21:52 AM A----- 37 INT_BW24_2019_1000_2602.tifw
 7/05/2019 10:21:53 AM A----- 1,388,643 INT_BW24_2019_1000_2602.tif
 7/05/2019 10:21:51 AM A----- 37 INT_BW24_2019_1000_2603.tifw
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 7/05/2019 10:21:49 AM A----- 37 INT_BW24_2019_1000_2604.tifw
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 7/05/2019 10:21:27 AM A----- 37 INT_BW24_2019_1000_2625.tifw
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 7/05/2019 10:21:23 AM A----- 37 INT_BW24_2019_1000_2626.tifw
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 7/05/2019 10:21:20 AM A----- 37 INT_BW24_2019_1000_2627.tifw
 7/05/2019 10:21:22 AM A----- 1,388,643 INT_BW24_2019_1000_2627.tif
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 7/05/2019 10:21:02 AM A----- 37 INT_BW24_2019_1000_2708.tifw
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 7/05/2019 10:21:01 AM A----- 37 INT_BW24_2019_1000_2709.tifw
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 7/05/2019 10:20:59 AM A----- 1,388,643 INT_BW24_2019_1000_2710.tif

284,679,400 410 Files

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19LiDAR_Survey\Fpfa1225\OUTPUT\Ashley\Output\NZVD2016\LAS_Classified

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7/05/2019 1:10:11 PM A-----	43,689,019	CL2_BW23_2019_1000_2442.las	7/05/2019 1:11:19 PM A-----	34,148,523	CL2_BW24_2019_1000_2615.las
7/05/2019 1:10:12 PM A-----	44,754,447	CL2_BW23_2019_1000_2449.las	7/05/2019 1:11:20 PM A-----	33,281,699	CL2_BW24_2019_1000_2625.las
7/05/2019 1:10:13 PM A-----	43,802,839	CL2_BW23_2019_1000_2450.las	7/05/2019 1:11:22 PM A-----	41,777,515	CL2_BW24_2019_1000_2626.las
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7/05/2019 1:10:50 PM A-----	38,589,603	CL2_BW24_2019_1000_2503.las			
7/05/2019 1:10:49 PM A-----	36,584,103	CL2_BW24_2019_1000_2504.las			
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7/05/2019 1:10:52 PM A-----	44,041,147	CL2_BW24_2019_1000_2506.las			
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7/05/2019 1:11:00 PM A-----	37,807,815	CL2_BW24_2019_1000_2516.las			
7/05/2019 1:11:01 PM A-----	41,747,555	CL2_BW24_2019_1000_2517.las			
7/05/2019 1:11:01 PM A-----	39,043,315	CL2_BW24_2019_1000_2518.las			
7/05/2019 1:11:02 PM A-----	42,719,995	CL2_BW24_2019_1000_2519.las			
7/05/2019 1:11:03 PM A-----	40,664,011	CL2_BW24_2019_1000_2520.las			
7/05/2019 1:11:04 PM A-----	39,606,563	CL2_BW24_2019_1000_2521.las			
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			UNC_BW23_2019_1000_1735.las		
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			UNC_BW23_2019_1000_1744.las		

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7/05/2019 1:18:41 PM A-----	38,952,511	UNC_BW23_2019_1000_2349.las	UNC_BW24_2019_1000_2417.las	
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7/05/2019 1:18:48 PM A-----	58,379,331	UNC_BW23_2019_1000_2438.las	UNC_BW24_2019_1000_2420.las	
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7/05/2019 1:18:50 PM A-----	43,689,019	UNC_BW23_2019_1000_2442.las	UNC_BW24_2019_1000_2501.las	
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7/05/2019 1:18:52 PM A-----	43,802,839	UNC_BW23_2019_1000_2450.las	UNC_BW24_2019_1000_2502.las	
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7/05/2019 1:18:53 PM A-----	39,414,679	UNC_BW23_2019_1000_2537.las	UNC_BW24_2019_1000_2503.las	
7/05/2019 1:18:53 PM A-----	37,338,255	UNC_BW23_2019_1000_2538.las		

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7/05/2019 1:19:31 PM A----- 40,857,547 UNC_BW24_2019_1000_2508.las
7/05/2019 1:19:31 PM A----- 40,064,475 UNC_BW24_2019_1000_2509.las
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7/05/2019 1:19:53 PM A----- 36,369,455 UNC_BW24_2019_1000_2610.las
7/05/2019 1:19:53 PM A----- 36,429,683 UNC_BW24_2019_1000_2611.las
7/05/2019 1:19:53 PM A----- 34,177,615 UNC_BW24_2019_1000_2612.las
7/05/2019 1:19:53 PM A----- 33,191,343 UNC_BW24_2019_1000_2613.las
7/05/2019 1:19:54 PM A----- 34,822,763 UNC_BW24_2019_1000_2614.las
7/05/2019 1:19:55 PM A----- 34,148,523 UNC_BW24_2019_1000_2615.las
7/05/2019 1:19:57 PM A----- 33,281,699 UNC_BW24_2019_1000_2625.las
7/05/2019 1:19:59 PM A----- 41,777,515 UNC_BW24_2019_1000_2626.las
7/05/2019 1:19:58 PM A----- 33,222,311 UNC_BW24_2019_1000_2627.las
7/05/2019 1:20:00 PM A----- 55,750,607 UNC_BW24_2019_1000_2701.las
7/05/2019 1:20:00 PM A----- 41,726,919 UNC_BW24_2019_1000_2702.las
7/05/2019 1:19:59 PM A----- 38,008,995 UNC_BW24_2019_1000_2703.las
7/05/2019 1:20:00 PM A----- 43,446,651 UNC_BW24_2019_1000_2704.las
7/05/2019 1:20:01 PM A----- 41,716,111 UNC_BW24_2019_1000_2705.las
7/05/2019 1:20:03 PM A----- 42,982,803 UNC_BW24_2019_1000_2706.las
7/05/2019 1:20:03 PM A----- 42,055,135 UNC_BW24_2019_1000_2707.las
7/05/2019 1:20:03 PM A----- 43,203,023 UNC_BW24_2019_1000_2708.las
7/05/2019 1:20:03 PM A----- 42,829,195 UNC_BW24_2019_1000_2709.las
7/05/2019 1:20:04 PM A----- 41,874,535 UNC_BW24_2019_1000_2710.las

```

8,227,928,939 205 Files

```

H:\ProjectDATA\Canterbury2018-
19LiDAR_SurveyFpfa1225\OUTPUT\Ashley\Output\TileLayout
10/05/2019 1:31:32 PM A----- 26,498
LiDARTilesCanterbury2018_19Fpfa1225_Ashley.dbf
10/05/2019 1:31:50 PM A----- 153,340
LiDARTilesCanterbury2018_19Fpfa1225_Ashley.dxf
10/05/2019 1:31:50 PM A----- 399
LiDARTilesCanterbury2018_19Fpfa1225_Ashley.prj
10/05/2019 1:31:32 PM A----- 27,980
LiDARTilesCanterbury2018_19Fpfa1225_Ashley.shp
10/05/2019 1:31:32 PM A----- 1,740
LiDARTilesCanterbury2018_19Fpfa1225_Ashley.shx

```

209,957 5 Files

```

Summary of H:\ProjectDATA\Canterbury2018-
19LiDAR_SurveyFpfa1225\OUTPUT\Ashley\Output
Directories = 17
Files = 3,308
Bytes = 34,622,059,940

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