

Metadata

LAND INFORMATION NZ

WHANGAREI HARBOUR – 2016 LiDAR SURVEY MARSDEN

AERIAL SURVEYS PROJECT Nº: FPFA1125

Summary

Project

An Airborne Laser Scanner survey was conducted over the Whangarei Harbour area of interest totalling approximately 71.44 km². Whangarei Harbour is located in the Northland Region of the North Island.

Data

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

- AOI
- Raw Point Cloud
- BareEarth
- Above Ground Data
- Gridded DEM
- Gridded DSM
- Gridded nDSM
- Contours
- Intensity Image
- Tile Layout
- Flight Trajectory Data

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: 9 November and 21 November 2016.

Ground Support: GPS base station data was provided by Global Surveys Ltd and LINZ base stations. 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 Land Information NZ.

Project Contacts:

Land Information NZ: James Dempsey (Ph. 04 472 2244)

Aerial Surveys Business Development Manager: Steve Smith (Ph. 09 415 3101)

Data Acquisition

The project area is that shown in the shapefile 'LiDARMetadataMarsdenCoveFPFA1125.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 Orion H300 LiDAR system.

Survey Specification:

- Scanner: Optech Orion H300
- Flying Height: 1475 m AGL
- Scan Angle: ± 20.0 degrees
- Scan Frequency: 45.0 Hz
- Pulse Rate: 1750 kHz
- Swath Overlap: 30%
- Points Per M²: 2.00

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.

Benchmarks: WHNG owned by LINZ

Base Station Positions:

-36 48 13.577724 S 174 18 52.4394 E 172.775 Ell Height

Antenna Height:

0.085 Phase Center

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 0.030 m; a RMS of 0.037 m and the average difference is -0.021 m.

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 map projection and NZVD2016 height datum. The data was converted from NZGD2000 ellipsoidal heights into the local height system using the LINZ NZGeoid09 and offset model.

The following details the folder contents:

AOI:	Extent is the limit of the project area Extent data is provided in SHP format and DXF
Raw PointCloud:	Contains the unclassified LiDAR point cloud points as they were prior to being classified This dataset is in ASPRS.LASv1.2 and ASCII xyzi format
Bare Earth:	Contains the LiDAR point cloud points that have been classified as ground returns This dataset is in ASPRS.LASv1.2 and ASCII xyzi format
Above Ground:	Contains the LiDAR point cloud points that have been classified as Above Ground returns This dataset is in ASPRS.LASv1.2 and ASCII xyzi format
Gridded DEM:	Contains the gridded ground surface (1 m separation grid) This dataset is in ARC ASCII Grid
Gridded DSM:	Contains the gridded digital surface (1 m separation grid) This dataset is in ARC ASCII Grid
Gridded nDSM:	Contains the gridded normalised digital surface (1 m separation grid) This dataset is in ARC ASCII Grid
Contours:	Contains 0.5 m and 5 m contours. The contours were interpolated from a smoothed TIN created using the LiDAR point cloud dataset. The contours are classified into majors and minors. Four minors to every major and shown on different levels. This data is provided in ESRI GeoDatabase format
Intensity Images:	Contains the Raster images created using the intensity values of the LiDAR returns This dataset is in TIF/TFW format.
Tile Layout:	Tiles is the tile layout for the project area Tile size 1:1000 sheet layout (480 x 720 m) Tile data is provided in SHP format and DXF
Flight Trajectory Data:	Contains flight lines, date, time, altitude, point source This data is provided in SHP format

Surface_Type	Classification	Point_Class
BareEarth	2	Ground
Above_Ground_Data	14	Above_Ground
Raw_Point_Cloud	2	Ground
Raw_Point_Cloud	9	Water
Raw_Point_Cloud	10	Rail
Raw_Point_Cloud	11	Road Surface
Raw_Point_Cloud	12	Overlap
Raw_Point_Cloud	21	ASPRS definition

All digital data supplied on 1 pendrive. Data couriered to Land Information NZ on 20 December 2016.

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

License/Copyright

LICENSE: Creative Commons Attribution 3.0 New Zealand.

Link: <http://data.linz.govt.nz/license/attribution-3-0-new-zealand/>

Attribution Required

Copies:

Copyright in this work is jointly owned by Aerial Surveys Ltd and Land Information NZ, and is used under license by Land Information NZ.

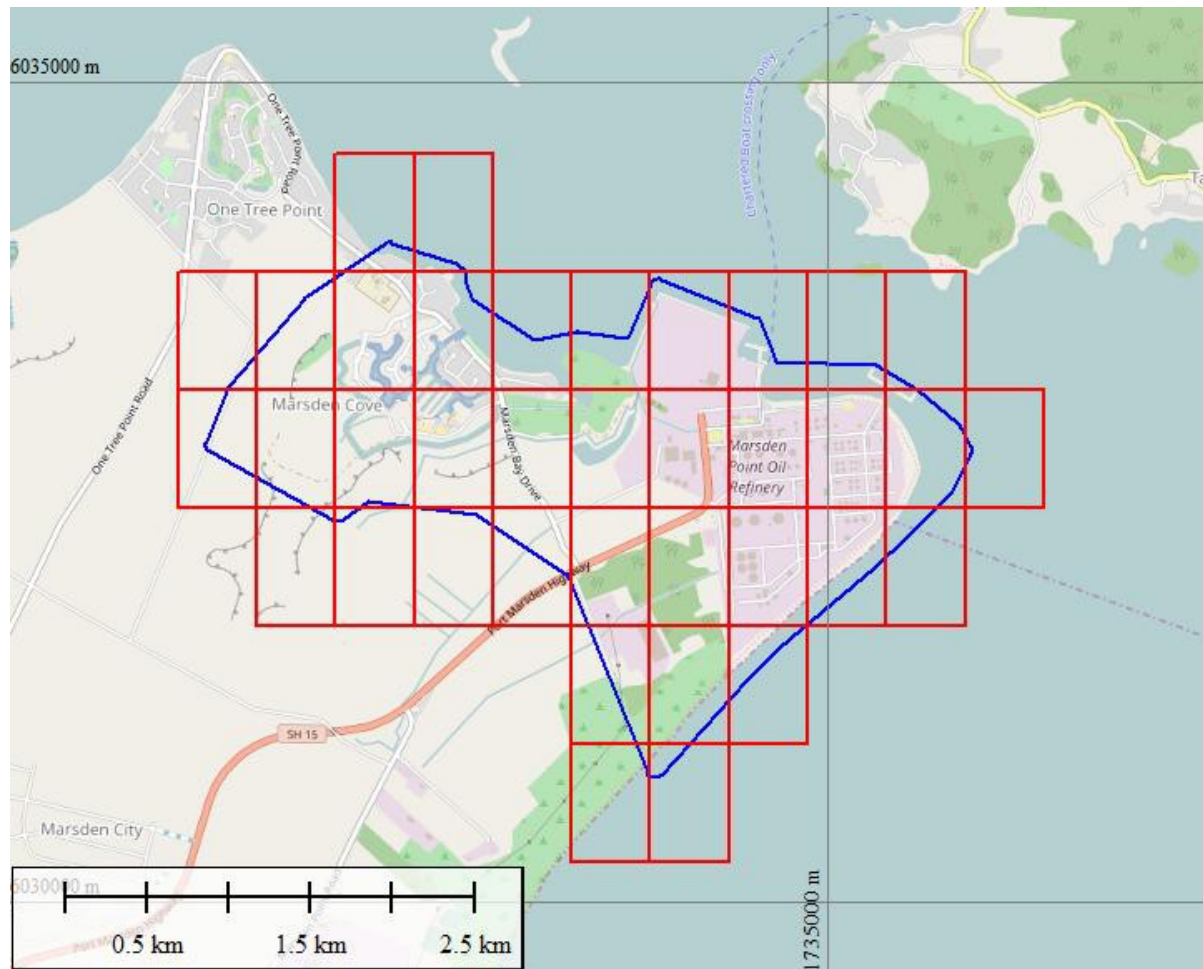
Derivative Works:

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

Appendix A: Project Area

The tile layout is shown in red.

The project extent area is shown in blue.



Appendix B: File Listing

FreeCommander - Contents of folder:

N:\ProjectDATA\WhangareiHarbour2016LiDAR_FPFA1125\Output\Marsden 20/12/2016 11:34 AM

Date	Time	Attrib	Bytes	File name
N:\ProjectDATA\WhangareiHarbour2016LiDAR_FPFA1125\Output\Marsden				
14/12/2016	1:39:41 PM	-D----		AboveGroundData
15/12/2016	1:16:05 PM	-D----		AOI
14/12/2016	1:38:34 PM	-D----		BareEarth
14/12/2016	1:33:38 PM	-D----		ClassifiedLas
20/12/2016	11:02:56 AM	-D----		Contour
14/12/2016	3:57:33 PM	-D----		FlightTrajectoryData
14/12/2016	1:32:30 PM	-D----		Gridded_DEM
14/12/2016	1:32:16 PM	-D----		Gridded_DSM
14/12/2016	1:31:55 PM	-D----		Hydro_Enforcement
16/12/2016	1:05:29 PM	-D----		Intensity
14/12/2016	3:36:00 PM	-D----		nDSM
14/12/2016	3:50:18 PM	-D----		RawPointCloud
15/12/2016	1:19:31 PM	-D----		TileLayout
20/12/2016	11:28:22 AM	A-----	4,737,816	WhangareiHarbour-2016_LiDAR-MetadataFPFA1125.pdf

				4,737,816 1 Files

N:\ProjectDATA\WhangareiHarbour2016LiDAR_FPFA1125\Output\Marsden\AboveGroundData				
14/12/2016	1:39:32 PM	-D----		LAS
14/12/2016	1:39:58 PM	-D----		XYZI

0 0 Files

N:\ProjectDATA\WhangareiHarbour2016LiDAR_FPFA1125\Output\Marsden\AboveGroundData\LAS

14/12/2016	1:35:44 PM	A-----	501,483	AX30_2016_1000_2949.las
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14/12/2016	1:35:44 PM	A-----	3,197,267	AX30_2016_1000_3049.las
14/12/2016	1:35:45 PM	A-----	7,145,771	AX30_2016_1000_3050.las
14/12/2016	1:35:44 PM	A-----	7,535	AX30_2016_1000_3150.las
14/12/2016	1:35:44 PM	A-----	1,685,071	AX31_2016_1000_2801.las
14/12/2016	1:35:44 PM	A-----	159,659	AX31_2016_1000_2802.las
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14/12/2016	1:35:45 PM	A-----	5,629,991	AX31_2016_1000_2902.las
14/12/2016	1:35:45 PM	A-----	1,792,619	AX31_2016_1000_2903.las
14/12/2016	1:35:45 PM	A-----	2,786,395	AX31_2016_1000_2904.las
14/12/2016	1:35:45 PM	A-----	6,669,575	AX31_2016_1000_2905.las
14/12/2016	1:35:45 PM	A-----	1,342,155	AX31_2016_1000_2906.las
14/12/2016	1:35:45 PM	A-----	231,479	AX31_2016_1000_2907.las
14/12/2016	1:35:45 PM	A-----	221,455	AX31_2016_1000_2908.las
14/12/2016	1:35:45 PM	A-----	2,013,735	AX31_2016_1000_3001.las
14/12/2016	1:35:45 PM	A-----	4,321,271	AX31_2016_1000_3002.las
14/12/2016	1:35:45 PM	A-----	7,893,539	AX31_2016_1000_3003.las
14/12/2016	1:35:45 PM	A-----	5,569,651	AX31_2016_1000_3004.las
14/12/2016	1:35:46 PM	A-----	6,549,539	AX31_2016_1000_3005.las
14/12/2016	1:35:46 PM	A-----	8,356,771	AX31_2016_1000_3006.las
14/12/2016	1:35:46 PM	A-----	10,249,543	AX31_2016_1000_3007.las
14/12/2016	1:35:46 PM	A-----	2,720,763	AX31_2016_1000_3008.las
14/12/2016	1:35:46 PM	A-----	227	AX31_2016_1000_3009.las
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14/12/2016	1:35:46 PM	A-----	35,675	AX31_2016_1000_3102.las
14/12/2016	1:35:46 PM	A-----	632,187	AX31_2016_1000_3103.las

14/12/2016 1:35:47 PM A----- 18,380,939 AX31_2016_1000_3104.las
 14/12/2016 1:35:47 PM A----- 13,454,675 AX31_2016_1000_3105.las
 14/12/2016 1:35:46 PM A----- 7,402,923 AX31_2016_1000_3106.las
 14/12/2016 1:35:46 PM A----- 6,199,091 AX31_2016_1000_3107.las
 14/12/2016 1:35:46 PM A----- 3,839 AX31_2016_1000_3108.las
 14/12/2016 1:35:46 PM A----- 7,178,363 AX31_2016_1000_3204.las
 14/12/2016 1:35:47 PM A----- 14,178,727 AX31_2016_1000_3205.las
 14/12/2016 1:35:46 PM A----- 861,731 AX31_2016_1000_3206.las
 14/12/2016 1:35:46 PM A----- 158,007 AX31_2016_1000_3304.las
 14/12/2016 1:35:47 PM A----- 9,775 AX31_2016_1000_3305.las

161,138,879 37 Files

N:\ProjectDATA\WhangareiHarbour2016LiDAR_FPFA1125\Output\Marsden\AboveGround Data\XYZI

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 13/12/2016 11:32:58 AM A----- 6,497,436 AX30_2016_1000_2950.xyz
 13/12/2016 11:32:58 AM A----- 3,617,192 AX30_2016_1000_3049.xyz
 13/12/2016 11:32:59 AM A----- 7,993,220 AX30_2016_1000_3050.xyz
 13/12/2016 11:32:59 AM A----- 8,153 AX30_2016_1000_3150.xyz
 13/12/2016 11:33:00 AM A----- 1,890,633 AX31_2016_1000_2801.xyz
 13/12/2016 11:33:00 AM A----- 178,874 AX31_2016_1000_2802.xyz
 13/12/2016 11:33:01 AM A----- 8,648,439 AX31_2016_1000_2901.xyz
 13/12/2016 11:33:02 AM A----- 6,243,068 AX31_2016_1000_2902.xyz
 13/12/2016 11:33:02 AM A----- 1,981,933 AX31_2016_1000_2903.xyz
 13/12/2016 11:33:03 AM A----- 3,077,703 AX31_2016_1000_2904.xyz
 13/12/2016 11:33:04 AM A----- 7,553,795 AX31_2016_1000_2905.xyz
 13/12/2016 11:33:04 AM A----- 1,502,377 AX31_2016_1000_2906.xyz
 13/12/2016 11:33:04 AM A----- 255,213 AX31_2016_1000_2907.xyz
 13/12/2016 11:33:04 AM A----- 250,108 AX31_2016_1000_2908.xyz
 13/12/2016 11:33:05 AM A----- 2,233,676 AX31_2016_1000_3001.xyz
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 13/12/2016 11:33:07 AM A----- 8,761,466 AX31_2016_1000_3003.xyz
 13/12/2016 11:33:08 AM A----- 6,183,015 AX31_2016_1000_3004.xyz
 13/12/2016 11:33:09 AM A----- 7,371,634 AX31_2016_1000_3005.xyz
 13/12/2016 11:33:10 AM A----- 9,382,877 AX31_2016_1000_3006.xyz
 13/12/2016 11:33:12 AM A----- 11,504,052 AX31_2016_1000_3007.xyz
 13/12/2016 11:33:13 AM A----- 3,040,738 AX31_2016_1000_3008.xyz
 13/12/2016 11:33:13 AM A----- 0 AX31_2016_1000_3009.xyz
 13/12/2016 11:33:13 AM A----- 75,660 AX31_2016_1000_3101.xyz
 13/12/2016 11:33:13 AM A----- 39,878 AX31_2016_1000_3102.xyz
 13/12/2016 11:33:13 AM A----- 700,715 AX31_2016_1000_3103.xyz
 13/12/2016 11:33:16 AM A----- 20,504,768 AX31_2016_1000_3104.xyz
 13/12/2016 11:33:18 AM A----- 14,941,434 AX31_2016_1000_3105.xyz
 13/12/2016 11:33:19 AM A----- 8,349,346 AX31_2016_1000_3106.xyz
 13/12/2016 11:33:20 AM A----- 6,972,472 AX31_2016_1000_3107.xyz
 13/12/2016 11:33:20 AM A----- 3,897 AX31_2016_1000_3108.xyz
 13/12/2016 11:33:22 AM A----- 8,080,577 AX31_2016_1000_3204.xyz
 13/12/2016 11:33:24 AM A----- 15,998,890 AX31_2016_1000_3205.xyz
 13/12/2016 11:33:24 AM A----- 971,911 AX31_2016_1000_3206.xyz
 13/12/2016 11:33:24 AM A----- 174,739 AX31_2016_1000_3304.xyz
 13/12/2016 11:33:24 AM A----- 10,572 AX31_2016_1000_3305.xyz

180,403,616 37 Files

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 15/12/2016 1:15:45 PM A----- 2,780 LiDARMetadataMarsdenCoveFPFA1125.shp
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17,249 5 Files

N:\ProjectDATA\WhangareiHarbour2016LiDAR_FPFA1125\Output\Marsden\BareEarth

14/12/2016 1:38:26 PM -D----- LAS
 14/12/2016 1:38:52 PM -D----- XYZI

0 0 Files

N:\ProjectDATA\WhangareiHarbour2016LiDAR_FPFA1125\Output\Marsden\BareEarth\LAS

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 14/12/2016 1:36:07 PM A----- 17,305,151 AX30_2016_1000_3050.las
 14/12/2016 1:36:06 PM A----- 301,003 AX30_2016_1000_3150.las
 14/12/2016 1:36:06 PM A----- 1,990,439 AX31_2016_1000_2801.las
 14/12/2016 1:36:06 PM A----- 243,855 AX31_2016_1000_2802.las
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 14/12/2016 1:36:09 PM A----- 1,238,023 AX31_2016_1000_3102.las
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 14/12/2016 1:36:10 PM A----- 337,208 AX31_2016_1000_3108.las
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 14/12/2016 1:36:11 PM A----- 5,348,535 AX31_2016_1000_3206.las
 14/12/2016 1:36:11 PM A----- 530,519 AX31_2016_1000_3304.las
 14/12/2016 1:36:11 PM A----- 563,055 AX31_2016_1000_3305.las

387,576,699 37 Files

N:\ProjectDATA\WhangareiHarbour2016LiDAR_FPFA1125\Output\Marsden\BareEarth\XYZI

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 13/12/2016 11:34:04 AM A----- 9,054,643 AX30_2016_1000_3049.xyz
 13/12/2016 11:34:07 AM A----- 19,495,835 AX30_2016_1000_3050.xyz
 13/12/2016 11:34:08 AM A----- 337,208 AX30_2016_1000_3150.xyz
 13/12/2016 11:34:08 AM A----- 2,235,140 AX31_2016_1000_2801.xyz
 13/12/2016 11:34:08 AM A----- 273,846 AX31_2016_1000_2802.xyz
 13/12/2016 11:34:13 AM A----- 36,107,730 AX31_2016_1000_2901.xyz
 13/12/2016 11:34:15 AM A----- 14,178,701 AX31_2016_1000_2902.xyz
 13/12/2016 11:34:16 AM A----- 4,528,942 AX31_2016_1000_2903.xyz
 13/12/2016 11:34:17 AM A----- 5,715,573 AX31_2016_1000_2904.xyz
 13/12/2016 11:34:19 AM A----- 15,631,408 AX31_2016_1000_2905.xyz
 13/12/2016 11:34:20 AM A----- 4,932,109 AX31_2016_1000_2906.xyz
 13/12/2016 11:34:20 AM A----- 0 AX31_2016_1000_2907.xyz
 13/12/2016 11:34:20 AM A----- 0 AX31_2016_1000_2908.xyz
 13/12/2016 11:34:24 AM A----- 23,640,244 AX31_2016_1000_3001.xyz
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 13/12/2016 11:34:45 AM A----- 21,444,511 AX31_2016_1000_3007.xyz
 13/12/2016 11:34:46 AM A----- 7,384,941 AX31_2016_1000_3008.xyz
 13/12/2016 11:34:46 AM A----- 0 AX31_2016_1000_3009.xyz
 13/12/2016 11:34:46 AM A----- 546,633 AX31_2016_1000_3101.xyz
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 13/12/2016 11:34:48 AM A----- 12,400,674 AX31_2016_1000_3103.xyz
 13/12/2016 11:34:53 AM A----- 26,577,933 AX31_2016_1000_3104.xyz
 13/12/2016 11:34:56 AM A----- 21,362,930 AX31_2016_1000_3105.xyz
 13/12/2016 11:34:59 AM A----- 22,214,565 AX31_2016_1000_3106.xyz
 13/12/2016 11:35:01 AM A----- 12,374,554 AX31_2016_1000_3107.xyz
 13/12/2016 11:35:01 AM A----- 576,590 AX31_2016_1000_3108.xyz
 13/12/2016 11:35:03 AM A----- 8,220,855 AX31_2016_1000_3204.xyz
 13/12/2016 11:35:05 AM A----- 16,740,027 AX31_2016_1000_3205.xyz
 13/12/2016 11:35:06 AM A----- 6,035,060 AX31_2016_1000_3206.xyz
 13/12/2016 11:35:06 AM A----- 593,005 AX31_2016_1000_3304.xyz
 13/12/2016 11:35:06 AM A----- 626,802 AX31_2016_1000_3305.xyz

434,055,393 37 Files

N:\ProjectDATA\WhangareiHarbour2016LiDAR_FPFA1125\Output\Marsden\ClassifiedLAS

14/12/2016 1:37:20 PM -D----- LAS
 14/12/2016 1:37:53 PM -D----- XYZI

0 0 Files

N:\ProjectDATA\WhangareiHarbour2016LiDAR_FPFA1125\Output\Marsden\ClassifiedLAS

14/12/2016 1:34:18 PM A----- 1,973,247 CL2_AX30_2016_1000_2949.las
 14/12/2016 1:34:20 PM A----- 23,498,331 CL2_AX30_2016_1000_2950.las
 14/12/2016 1:34:19 PM A----- 11,178,107 CL2_AX30_2016_1000_3049.las
 14/12/2016 1:34:20 PM A----- 24,450,695 CL2_AX30_2016_1000_3050.las
 14/12/2016 1:34:18 PM A----- 308,311 CL2_AX30_2016_1000_3150.las
 14/12/2016 1:34:19 PM A----- 3,675,283 CL2_AX31_2016_1000_2801.las
 14/12/2016 1:34:18 PM A----- 403,287 CL2_AX31_2016_1000_2802.las
 14/12/2016 1:34:21 PM A----- 39,670,011 CL2_AX31_2016_1000_2901.las
 14/12/2016 1:34:20 PM A----- 18,216,467 CL2_AX31_2016_1000_2902.las
 14/12/2016 1:34:19 PM A----- 5,833,831 CL2_AX31_2016_1000_2903.las
 14/12/2016 1:34:20 PM A----- 7,951,275 CL2_AX31_2016_1000_2904.las

14/12/2016 1:34:21 PM A----- 20,791,319 CL2_AX31_2016_1000_2905.las
 14/12/2016 1:34:20 PM A----- 5,749,747 CL2_AX31_2016_1000_2906.las
 14/12/2016 1:34:20 PM A----- 231,479 CL2_AX31_2016_1000_2907.las
 14/12/2016 1:34:20 PM A----- 221,455 CL2_AX31_2016_1000_2908.las
 14/12/2016 1:34:21 PM A----- 22,989,627 CL2_AX31_2016_1000_3001.las
 14/12/2016 1:34:22 PM A----- 29,400,563 CL2_AX31_2016_1000_3002.las
 14/12/2016 1:34:22 PM A----- 34,154,487 CL2_AX31_2016_1000_3003.las
 14/12/2016 1:34:22 PM A----- 22,455,835 CL2_AX31_2016_1000_3004.las
 14/12/2016 1:34:22 PM A----- 25,979,691 CL2_AX31_2016_1000_3005.las
 14/12/2016 1:34:22 PM A----- 25,996,127 CL2_AX31_2016_1000_3006.las
 14/12/2016 1:34:23 PM A----- 29,604,095 CL2_AX31_2016_1000_3007.las
 14/12/2016 1:34:23 PM A----- 9,361,467 CL2_AX31_2016_1000_3008.las
 14/12/2016 1:34:22 PM A----- 552,051 CL2_AX31_2016_1000_3101.las
 14/12/2016 1:34:23 PM A----- 1,273,471 CL2_AX31_2016_1000_3102.las
 14/12/2016 1:34:24 PM A----- 11,609,895 CL2_AX31_2016_1000_3103.las
 14/12/2016 1:34:25 PM A----- 42,108,363 CL2_AX31_2016_1000_3104.las
 14/12/2016 1:34:25 PM A----- 32,646,799 CL2_AX31_2016_1000_3105.las
 14/12/2016 1:34:25 PM A----- 27,402,455 CL2_AX31_2016_1000_3106.las
 14/12/2016 1:34:24 PM A----- 17,333,879 CL2_AX31_2016_1000_3107.las
 14/12/2016 1:34:24 PM A----- 523,939 CL2_AX31_2016_1000_3108.las
 14/12/2016 1:34:25 PM A----- 14,538,499 CL2_AX31_2016_1000_3204.las
 14/12/2016 1:34:25 PM A----- 29,151,923 CL2_AX31_2016_1000_3205.las
 14/12/2016 1:34:25 PM A----- 6,210,039 CL2_AX31_2016_1000_3206.las
 14/12/2016 1:34:25 PM A----- 688,299 CL2_AX31_2016_1000_3304.las
 14/12/2016 1:34:25 PM A----- 572,603 CL2_AX31_2016_1000_3305.las

548,706,952 36 Files

N:\ProjectDATA\WhangareiHarbour2016LiDAR_FPFA1125\Output\Marsden\ClassifiedLas\XYZI

13/12/2016 11:37:52 AM A----- 2,244,389 CL2_AX30_2016_1000_2949.xyz
 13/12/2016 11:37:56 AM A----- 26,350,047 CL2_AX30_2016_1000_2950.xyz
 13/12/2016 11:37:58 AM A----- 12,671,835 CL2_AX30_2016_1000_3049.xyz
 13/12/2016 11:38:02 AM A----- 27,489,055 CL2_AX30_2016_1000_3050.xyz
 13/12/2016 11:38:02 AM A----- 345,361 CL2_AX30_2016_1000_3150.xyz
 13/12/2016 11:38:03 AM A----- 4,125,773 CL2_AX31_2016_1000_2801.xyz
 13/12/2016 11:38:03 AM A----- 452,720 CL2_AX31_2016_1000_2802.xyz
 13/12/2016 11:38:10 AM A----- 44,756,169 CL2_AX31_2016_1000_2901.xyz
 13/12/2016 11:38:13 AM A----- 20,421,769 CL2_AX31_2016_1000_2902.xyz
 13/12/2016 11:38:14 AM A----- 6,510,875 CL2_AX31_2016_1000_2903.xyz
 13/12/2016 11:38:15 AM A----- 8,793,276 CL2_AX31_2016_1000_2904.xyz
 13/12/2016 11:38:19 AM A----- 23,185,203 CL2_AX31_2016_1000_2905.xyz
 13/12/2016 11:38:20 AM A----- 6,434,486 CL2_AX31_2016_1000_2906.xyz
 13/12/2016 11:38:20 AM A----- 255,213 CL2_AX31_2016_1000_2907.xyz
 13/12/2016 11:38:20 AM A----- 250,108 CL2_AX31_2016_1000_2908.xyz
 13/12/2016 11:38:24 AM A----- 25,873,920 CL2_AX31_2016_1000_3001.xyz
 13/12/2016 11:38:29 AM A----- 33,175,359 CL2_AX31_2016_1000_3002.xyz
 13/12/2016 11:38:35 AM A----- 38,251,285 CL2_AX31_2016_1000_3003.xyz
 13/12/2016 11:38:39 AM A----- 25,045,020 CL2_AX31_2016_1000_3004.xyz
 13/12/2016 11:38:43 AM A----- 28,961,064 CL2_AX31_2016_1000_3005.xyz
 13/12/2016 11:38:47 AM A----- 28,999,737 CL2_AX31_2016_1000_3006.xyz
 13/12/2016 11:38:53 AM A----- 32,948,563 CL2_AX31_2016_1000_3007.xyz
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 13/12/2016 11:38:54 AM A----- 622,293 CL2_AX31_2016_1000_3101.xyz
 13/12/2016 11:38:55 AM A----- 1,437,494 CL2_AX31_2016_1000_3102.xyz
 13/12/2016 11:38:57 AM A----- 13,101,389 CL2_AX31_2016_1000_3103.xyz
 13/12/2016 11:39:04 AM A----- 47,082,701 CL2_AX31_2016_1000_3104.xyz
 13/12/2016 11:39:10 AM A----- 36,304,364 CL2_AX31_2016_1000_3105.xyz
 13/12/2016 11:39:14 AM A----- 30,563,911 CL2_AX31_2016_1000_3106.xyz
 13/12/2016 11:39:17 AM A----- 19,347,026 CL2_AX31_2016_1000_3107.xyz
 13/12/2016 11:39:17 AM A----- 580,487 CL2_AX31_2016_1000_3108.xyz
 13/12/2016 11:39:20 AM A----- 16,301,432 CL2_AX31_2016_1000_3204.xyz
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 13/12/2016 11:39:26 AM A----- 767,744 CL2_AX31_2016_1000_3304.xyz
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614,459,009 36 Files

N:\ProjectDATA\WhangareiHarbour2016LiDAR_FPFA1125\Output\Marsden\Contour
 20/12/2016 10:32:50 AM D----- Contours.gdb
 20/12/2016 10:05:41 AM D----- Contours_With_Merged.gdb

0 0 Files

N:\ProjectDATA\WhangareiHarbour2016LiDAR_FPFA1125\Output\Marsden\Contour\Contours.gdb

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 18/12/2016 4:26:46 PM A----- 110 a00000001.gdbindexes
 18/12/2016 4:27:12 PM A----- 1,314 a00000001.gdbtable
 18/12/2016 4:29:59 PM A----- 5,152 a00000001.gdbtblx
 18/12/2016 4:30:41 PM A----- 16,406 a00000001.TablesByName.atx
 18/12/2016 4:30:46 PM A----- 2,055 a00000002.gdbtable
 18/12/2016 4:28:24 PM A----- 5,152 a00000002.gdbtblx
 18/12/2016 4:31:00 PM A----- 42 a00000003.gdbindexes
 18/12/2016 4:27:30 PM A----- 1,042 a00000003.gdbtable
 18/12/2016 4:26:54 PM A----- 5,152 a00000003.gdbtblx

18/12/2016 4:29:53 PM A----- 12,310 a00000004.CattItemsByPhysicalName.atx
 18/12/2016 4:30:01 PM A----- 4,118 a00000004.CattItemsByType.atx
 18/12/2016 4:31:45 PM A----- 4,118 a00000004.FDO_UUID.atx
 18/12/2016 4:28:44 PM A----- 12,632 a00000004.freelist
 18/12/2016 4:30:13 PM A----- 310 a00000004.gdbindexes
 18/12/2016 4:27:54 PM A----- 365,531 a00000004.gdbtable
 18/12/2016 4:30:19 PM A----- 5,152 a00000004.gdbtblx
 18/12/2016 4:28:37 PM A----- 4,118 a00000004.spx
 18/12/2016 4:30:57 PM A----- 12,310 a00000005.CattItemTypesByName.atx
 18/12/2016 4:28:09 PM A----- 4,118 a00000005.CattItemTypesByParentTypeID.atx
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 18/12/2016 4:31:58 PM A----- 296 a00000005.gdbindexes
 18/12/2016 4:31:27 PM A----- 1,803 a00000005.gdbtable
 18/12/2016 4:31:15 PM A----- 5,152 a00000005.gdbtblx
 18/12/2016 4:32:30 PM A----- 4,118 a00000006.CatRelTypesByDestinationID.atx
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 18/12/2016 4:29:30 PM A----- 4,118 a00000006.CatRelTypesByType.atx
 18/12/2016 4:30:04 PM A----- 4,118 a00000006.FDO_UUID.atx
 18/12/2016 4:30:54 PM A----- 318 a00000006.gdbindexes
 18/12/2016 4:31:07 PM A----- 2,672 a00000006.gdbtable
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 18/12/2016 4:26:59 PM A----- 4,118 a00000007.CatRelTypesByBackwardLabel.atx
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 18/12/2016 4:29:24 PM A----- 4,118 a00000007.CatRelTypesByForwardLabel.atx
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 18/12/2016 4:27:35 PM A----- 4,118 a00000007.CatRelTypesByOriginItemID.atx
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 18/12/2016 4:29:21 PM A----- 5,152 a00000007.gdbtblx
 18/12/2016 4:29:49 PM A----- 116 a00000009.gdbindexes
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 18/12/2016 4:28:06 PM A----- 56,415 a0000000e.gdbtable
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18/12/2016 4:29:21 PM A-----	116	a000000015.gdbindexes	18/12/2016 4:31:55 PM A-----	4,118	a000000029.spx
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18/12/2016 4:29:18 PM A-----	436,880	a000000016.gdbtable	18/12/2016 4:27:38 PM A-----	4,118	a00000002a.spx
18/12/2016 4:31:30 PM A-----	5,152	a000000016.gdbtablx	18/12/2016 4:28:39 PM A-----	116	a00000002b.gdbindexes
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18/12/2016 4:29:33 PM A-----	5,152	a000000017.gdbtablx	18/12/2016 4:28:57 PM A-----	116	a00000002c.gdbindexes
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18/12/2016 4:30:31 PM A-----	5,152	a000000018.gdbtablx	18/12/2016 4:28:38 PM A-----	4	gdb
18/12/2016 4:28:50 PM A-----	12,310	a000000018.spx	18/12/2016 4:27:09 PM A-----	400	timestamps
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18/12/2016 4:30:52 PM A-----	5,152	a00000001b.gdbtablx	18/12/2016 4:33:03 PM A-----	1,314	a000000001.gdbtable
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18/12/2016 4:27:51 PM A-----	116	a00000001d.gdbindexes	18/12/2016 4:36:30 PM A-----	16,406	a000000001.TablesByName.atx
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18/12/2016 4:26:51 PM A-----	5,152	a00000001d.gdbtablx	18/12/2016 4:34:10 PM A-----	5,152	a000000002.gdbtablx
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18/12/2016 4:28:16 PM A-----	4,440	a00000001e.freelist	18/12/2016 4:36:09 PM A-----	1,042	a000000003.gdbtable
18/12/2016 4:29:18 PM A-----	116	a00000001e.gdbindexes	18/12/2016 4:32:46 PM A-----	5,152	a000000003.gdbtablx
18/12/2016 4:28:51 PM A-----	6,829	a00000001e.gdbtable	18/12/2016 4:35:46 PM A-----	16,406	
18/12/2016 4:27:26 PM A-----	5,152	a00000001e.gdbtablx	a000000004.CatItemsByPhysicalName.atx		
18/12/2016 4:28:41 PM A-----	4,118	a00000001e.spx	18/12/2016 4:35:55 PM A-----	4,118	a000000004.CatItemsByType.atx
18/12/2016 4:27:19 PM A-----	4,440	a00000001f.freelist	18/12/2016 4:37:25 PM A-----	4,118	a000000004.FDO_UUID.atx
18/12/2016 4:32:20 PM A-----	116	a00000001fgdbindexes	18/12/2016 4:34:31 PM A-----	33,112	a000000004.freelist
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18/12/2016 4:30:45 PM A-----	5,152	a00000001fgdbtablx	18/12/2016 4:33:44 PM A-----	400,404	a000000004.gdbtable
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18/12/2016 4:27:05 PM A-----	4,440	a000000020.freelist	18/12/2016 4:34:21 PM A-----	4,118	a000000004.spx
18/12/2016 4:30:24 PM A-----	116	a000000020.gdbindexes	18/12/2016 4:36:40 PM A-----	12,310	
18/12/2016 4:27:48 PM A-----	78,823	a000000020.gdbtable	a000000005.CatItemTypesByName.atx		
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18/12/2016 4:29:12 PM A-----	116	a000000021.gdbindexes	a000000005.CatItemTypesByUUID.atx		
18/12/2016 4:32:17 PM A-----	315,080	a000000021.gdbtable	18/12/2016 4:37:40 PM A-----	296	a000000005.gdbindexes
18/12/2016 4:26:54 PM A-----	5,152	a000000021.gdbtablx	18/12/2016 4:37:08 PM A-----	1,803	a000000005.gdbtable
18/12/2016 4:29:59 PM A-----	12,310	a000000021.spx	18/12/2016 4:36:56 PM A-----	5,152	a000000005.gdbtablx
18/12/2016 4:31:52 PM A-----	4,440	a000000022.freelist	18/12/2016 4:38:10 PM A-----	4,118	
18/12/2016 4:27:57 PM A-----	116	a000000022.gdbindexes	a000000006.CatRelsByDestinationID.atx		
18/12/2016 4:27:21 PM A-----	298,970	a000000022.gdbtable	18/12/2016 4:37:55 PM A-----	4,118	
18/12/2016 4:29:09 PM A-----	5,152	a000000022.gdbtablx	a000000006.CatRelsByOriginID.atx		
18/12/2016 4:27:46 PM A-----	16,406	a000000022.spx	18/12/2016 4:35:26 PM A-----	4,118	a000000006.CatRelsByType.atx
18/12/2016 4:28:01 PM A-----	4,440	a000000023.freelist	18/12/2016 4:35:58 PM A-----	4,118	a000000006.FDO_UUID.atx
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18/12/2016 4:28:30 PM A-----	323,429	a000000023.gdbtable	18/12/2016 4:36:38 PM A-----	318	a000000006.gdbindexes
18/12/2016 4:29:56 PM A-----	5,152	a000000023.gdbtablx	18/12/2016 4:36:49 PM A-----	2,745	a000000006.gdbtable
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18/12/2016 4:31:05 PM A-----	4,440	a000000024.freelist	18/12/2016 4:32:52 PM A-----	4,118	
18/12/2016 4:32:35 PM A-----	116	a000000024.gdbindexes	a000000007.CatRelTypesByBackwardLabel.atx		
18/12/2016 4:29:14 PM A-----	214,280	a000000024.gdbtable	18/12/2016 4:33:53 PM A-----	4,118	
18/12/2016 4:31:58 PM A-----	5,152	a000000024.gdbtablx	a000000007.CatRelTypesByDestItemTypeID.atx		
18/12/2016 4:32:19 PM A-----	12,310	a000000024.spx	18/12/2016 4:35:23 PM A-----	4,118	
18/12/2016 4:27:33 PM A-----	4,440	a000000025.freelist	a000000007.CatRelTypesByForwardLabel.atx		
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18/12/2016 4:27:43 PM A-----	13,023	a000000025.gdbtable	a000000007.CatRelTypesByName.atx		
18/12/2016 4:30:47 PM A-----	5,152	a000000025.gdbtablx	18/12/2016 4:33:31 PM A-----	4,118	
18/12/2016 4:31:42 PM A-----	4,118	a000000025.spx	a000000007.CatRelTypesByOriginItemTypeID.atx		
18/12/2016 4:29:26 PM A-----	4,440	a000000026.freelist	18/12/2016 4:33:09 PM A-----	4,118	
18/12/2016 4:31:34 PM A-----	116	a000000026.gdbindexes	a000000007.CatRelTypesByUUID.atx		
18/12/2016 4:30:43 PM A-----	189,327	a000000026.gdbtable	18/12/2016 4:34:43 PM A-----	602	a000000007.gdbindexes
18/12/2016 4:32:01 PM A-----	5,152	a000000026.gdbtablx	18/12/2016 4:36:03 PM A-----	2,504	a000000007.gdbtable
18/12/2016 4:29:27 PM A-----	12,310	a000000026.spx	18/12/2016 4:35:18 PM A-----	5,152	a000000007.gdbtablx
18/12/2016 4:27:54 PM A-----	4,440	a000000027.freelist	18/12/2016 4:35:43 PM A-----	116	a000000009.gdbindexes
18/12/2016 4:27:30 PM A-----	116	a000000027.gdbindexes	18/12/2016 4:33:47 PM A-----	24,589	a000000009.gdbtable
18/12/2016 4:28:03 PM A-----	449,997	a000000027.gdbtable	18/12/2016 4:36:16 PM A-----	5,152	a000000009.gdbtablx
18/12/2016 4:32:06 PM A-----	5,152	a000000027.gdbtablx	18/12/2016 4:37:44 PM A-----	4,118	a000000009.spx
18/12/2016 4:30:30 PM A-----	16,406	a000000027.spx	18/12/2016 4:36:25 PM A-----	116	a00000000a.gdbindexes
18/12/2016 4:31:49 PM A-----	4,440	a000000028.freelist	18/12/2016 4:33:30 PM A-----	241,585	a00000000a.gdbtable
18/12/2016 4:31:27 PM A-----	116	a000000028.gdbindexes	18/12/2016 4:35:03 PM A-----	5,152	a00000000a.gdbtablx
18/12/2016 4:28:36 PM A-----	107,154	a000000028.gdbtable	18/12/2016 4:37:01 PM A-----	12,310	a00000000a.spx
18/12/2016 4:29:46 PM A-----	5,152	a000000028.gdbtablx	18/12/2016 4:33:34 PM A-----	116	a00000000b.gdbindexes
18/12/2016 4:28:17 PM A-----	4,118	a000000028.spx	18/12/2016 4:33:06 PM A-----	96,560	a00000000b.gdbtable
18/12/2016 4:28:34 PM A-----	4,440	a000000029.freelist			

18/12/2016 4:34:33 PM A-----	5,152	a0000000b.gdbtablx	18/12/2016 4:33:48 PM A-----	116	a00000022.gdbindexes
18/12/2016 4:35:00 PM A-----	4,118	a0000000b.spx	18/12/2016 4:33:20 PM A-----	298,970	a00000022.gdbtable
18/12/2016 4:36:35 PM A-----	116	a0000000c.gdbindexes	18/12/2016 4:35:05 PM A-----	5,152	a00000022.gdbtablx
18/12/2016 4:38:03 PM A-----	354,918	a0000000c.gdbtable	18/12/2016 4:33:37 PM A-----	16,406	a00000022.spx
18/12/2016 4:32:57 PM A-----	5,152	a0000000c.gdbtablx	18/12/2016 4:33:50 PM A-----	4,440	a00000023.freelist
18/12/2016 4:37:16 PM A-----	16,406	a0000000c.spx	18/12/2016 4:36:58 PM A-----	116	a00000023.gdbindexes
18/12/2016 4:33:39 PM A-----	116	a0000000d.gdbindexes	18/12/2016 4:34:14 PM A-----	323,429	a00000023.gdbtable
18/12/2016 4:34:46 PM A-----	6,465	a0000000d.gdbtable	18/12/2016 4:35:48 PM A-----	5,152	a00000023.gdbtablx
18/12/2016 4:37:46 PM A-----	5,152	a0000000d.gdbtablx	18/12/2016 4:37:05 PM A-----	12,310	a00000023.spx
18/12/2016 4:37:28 PM A-----	4,118	a0000000d.spx	18/12/2016 4:36:48 PM A-----	4,440	a00000024.freelist
18/12/2016 4:36:39 PM A-----	116	a0000000e.gdbindexes	18/12/2016 4:38:14 PM A-----	116	a00000024.gdbindexes
18/12/2016 4:33:57 PM A-----	56,415	a0000000e.gdbtable	18/12/2016 4:35:09 PM A-----	214,280	a00000024.gdbtable
18/12/2016 4:37:01 PM A-----	5,152	a0000000e.gdbtablx	18/12/2016 4:37:37 PM A-----	5,152	a00000024.gdbtablx
18/12/2016 4:35:32 PM A-----	4,118	a0000000e.spx	18/12/2016 4:37:58 PM A-----	12,310	a00000024.spx
18/12/2016 4:37:28 PM A-----	116	a0000000f.gdbindexes	18/12/2016 4:36:28 PM A-----	4,440	a00000025.freelist
18/12/2016 4:38:01 PM A-----	18,018	a0000000f.gdbtable	18/12/2016 4:37:19 PM A-----	116	a00000025.gdbindexes
18/12/2016 4:36:19 PM A-----	5,152	a0000000f.gdbtablx	18/12/2016 4:36:36 PM A-----	13,023	a00000025.gdbtable
18/12/2016 4:35:49 PM A-----	4,118	a0000000f.spx	18/12/2016 4:33:35 PM A-----	5,152	a00000025.gdbtablx
18/12/2016 4:37:43 PM A-----	116	a00000010.gdbindexes	18/12/2016 4:37:24 PM A-----	4,118	a00000025.spx
18/12/2016 4:34:30 PM A-----	292,306	a00000010.gdbtable	18/12/2016 4:35:21 PM A-----	4,440	a00000026.freelist
18/12/2016 4:34:00 PM A-----	5,152	a00000010.gdbtablx	18/12/2016 4:37:15 PM A-----	116	a00000026.gdbindexes
18/12/2016 4:33:20 PM A-----	12,310	a00000010.spx	18/12/2016 4:36:29 PM A-----	189,327	a00000026.gdbtable
18/12/2016 4:34:02 PM A-----	116	a00000011.gdbindexes	18/12/2016 4:37:41 PM A-----	5,152	a00000026.gdbtablx
18/12/2016 4:36:53 PM A-----	174,834	a00000011.gdbtable	18/12/2016 4:35:24 PM A-----	12,310	a00000026.spx
18/12/2016 4:36:46 PM A-----	5,152	a00000011.gdbtablx	18/12/2016 4:33:45 PM A-----	4,440	a00000027.freelist
18/12/2016 4:37:49 PM A-----	4,118	a00000011.spx	18/12/2016 4:33:25 PM A-----	116	a00000027.gdbindexes
18/12/2016 4:36:55 PM A-----	116	a00000012.gdbindexes	18/12/2016 4:33:57 PM A-----	449,997	a00000027.gdbtable
18/12/2016 4:36:43 PM A-----	43,572	a00000012.gdbtable	18/12/2016 4:37:46 PM A-----	5,152	a00000027.gdbtablx
18/12/2016 4:35:37 PM A-----	5,152	a00000012.gdbtablx	18/12/2016 4:36:19 PM A-----	16,406	a00000027.spx
18/12/2016 4:37:35 PM A-----	4,118	a00000012.spx	18/12/2016 4:37:31 PM A-----	4,440	a00000028.freelist
18/12/2016 4:34:10 PM A-----	116	a00000013.gdbindexes	18/12/2016 4:37:08 PM A-----	116	a00000028.gdbindexes
18/12/2016 4:35:39 PM A-----	112,904	a00000013.gdbtable	18/12/2016 4:34:17 PM A-----	107,154	a00000028.gdbtable
18/12/2016 4:34:07 PM A-----	5,152	a00000013.gdbtablx	18/12/2016 4:35:40 PM A-----	5,152	a00000028.gdbtablx
18/12/2016 4:33:15 PM A-----	4,118	a00000013.spx	18/12/2016 4:34:04 PM A-----	4,118	a00000028.spx
18/12/2016 4:35:58 PM A-----	116	a00000014.gdbindexes	18/12/2016 4:34:20 PM A-----	4,440	a00000029.freelist
18/12/2016 4:38:07 PM A-----	89,292	a00000014.gdbtable	18/12/2016 4:35:54 PM A-----	116	a00000029.gdbindexes
18/12/2016 4:34:16 PM A-----	5,152	a00000014.gdbtablx	18/12/2016 4:33:23 PM A-----	20,214	a00000029.gdbtable
18/12/2016 4:36:52 PM A-----	4,118	a00000014.spx	18/12/2016 4:35:34 PM A-----	5,152	a00000029.gdbtablx
18/12/2016 4:35:21 PM A-----	116	a00000015.gdbindexes	18/12/2016 4:37:37 PM A-----	4,118	a00000029.spx
18/12/2016 4:38:12 PM A-----	115,075	a00000015.gdbtable	18/12/2016 4:32:55 PM A-----	4,440	a0000002a.freelist
18/12/2016 4:37:22 PM A-----	5,152	a00000015.gdbtablx	18/12/2016 4:33:06 PM A-----	116	a0000002a.gdbindexes
18/12/2016 4:37:22 PM A-----	4,118	a00000015.spx	18/12/2016 4:36:11 PM A-----	13,105	a0000002a.gdbtable
18/12/2016 4:37:50 PM A-----	116	a00000016.gdbindexes	18/12/2016 4:36:45 PM A-----	5,152	a0000002a.gdbtablx
18/12/2016 4:35:19 PM A-----	436,880	a00000016.gdbtable	18/12/2016 4:33:34 PM A-----	4,118	a0000002a.spx
18/12/2016 4:37:10 PM A-----	5,152	a00000016.gdbtablx	18/12/2016 4:34:24 PM A-----	116	a0000002b.gdbindexes
18/12/2016 4:32:45 PM A-----	16,406	a00000016.spx	18/12/2016 4:34:57 PM A-----	180,962	a0000002b.gdbtable
18/12/2016 4:38:04 PM A-----	116	a00000017.gdbindexes	18/12/2016 4:36:13 PM A-----	5,152	a0000002b.gdbtablx
18/12/2016 4:35:43 PM A-----	322,610	a00000017.gdbtable	18/12/2016 4:34:13 PM A-----	12,310	a0000002b.spx
18/12/2016 4:35:29 PM A-----	5,152	a00000017.gdbtablx	18/12/2016 4:34:45 PM A-----	116	a0000002c.gdbindexes
18/12/2016 4:32:59 PM A-----	12,310	a00000017.spx	18/12/2016 4:36:10 PM A-----	394,407	a0000002c.gdbtable
18/12/2016 4:34:44 PM A-----	116	a00000018.gdbindexes	18/12/2016 4:35:46 PM A-----	5,152	a0000002c.gdbtablx
18/12/2016 4:35:27 PM A-----	348,764	a00000018.gdbtable	18/12/2016 4:34:36 PM A-----	12,310	a0000002c.spx
18/12/2016 4:36:22 PM A-----	5,152	a00000018.gdbtablx	18/12/2016 4:33:12 PM A-----	116	a0000002e.gdbindexes
18/12/2016 4:34:38 PM A-----	12,310	a00000018.spx	18/12/2016 4:35:13 PM A-----	6,052,130	a0000002e.gdbtable
18/12/2016 4:37:31 PM A-----	116	a00000019.gdbindexes	18/12/2016 4:34:05 PM A-----	51,232	a0000002e.gdbtablx
18/12/2016 4:36:04 PM A-----	296,426	a00000019.gdbtable	18/12/2016 4:34:36 PM A-----	147,478	a00000002e.spx
18/12/2016 4:34:07 PM A-----	5,152	a00000019.gdbtablx	18/12/2016 4:34:23 PM A-----	4	gdb
18/12/2016 4:34:49 PM A-----	12,310	a00000019.spx	18/12/2016 4:33:00 PM A-----	400	timestamps
18/12/2016 4:37:05 PM A-----	116	a0000001b.gdbindexes	-----		
18/12/2016 4:32:54 PM A-----	308,980	a0000001b.gdbtable		13,469,651	196 Files
18/12/2016 4:36:37 PM A-----	5,152	a0000001b.gdbtablx			
18/12/2016 4:37:52 PM A-----	12,310	a0000001b.spx	N:\ProjectDATA\WhangareiHarbour2016LiDAR_FPFA1125\Output\Map		
18/12/2016 4:33:41 PM A-----	116	a0000001d.gdbindexes	ghtTrajectoryData		
18/12/2016 4:37:12 PM A-----	135,343	a0000001d.gdbtable	2/12/2016 3:44:33 PM A-----	12,965	201611109A_TriLines.dbf
18/12/2016 4:32:43 PM A-----	5,152	a0000001d.gdbtablx	2/12/2016 3:44:33 PM A-----	783	201611109A_TriLines.shp
18/12/2016 4:35:34 PM A-----	4,118	a0000001d.spx	2/12/2016 3:44:34 PM A-----	196,180	201611109A_TriLines.prj
18/12/2016 4:34:02 PM A-----	4,440	a0000001e.freelist	2/12/2016 3:44:34 PM A-----	10,420	201611109A_TriLines.shx
18/12/2016 4:35:15 PM A-----	116	a0000001e.gdbindexes	2/12/2016 3:44:35 PM A-----	591,977	201611109A_TriPoints.d
18/12/2016 4:34:41 PM A-----	6,829	a0000001e.gdbtable	2/12/2016 3:44:35 PM A-----	783	201611109A_TriPoints.prj
18/12/2016 4:33:23 PM A-----	5,152	a0000001e.gdbtablx	2/12/2016 3:44:35 PM A-----	57,168	201611109A_TriPoints.sh
18/12/2016 4:34:26 PM A-----	4,118	a0000001e.spx	2/12/2016 3:44:36 PM A-----	10,476	201611109A_TriPoints.sh
18/12/2016 4:33:09 PM A-----	4,440	a0000001f.freelist	-----		
18/12/2016 4:37:58 PM A-----	116	a0000001f.gdbindexes		880,752	8 Files
18/12/2016 4:36:25 PM A-----	10,266	a0000001f.gdbtable			
18/12/2016 4:36:32 PM A-----	5,152	a0000001f.gdbtablx	N:\ProjectDATA\WhangareiHarbour2016LiDAR_FPFA1125\Output\Map		
18/12/2016 4:36:22 PM A-----	4,118	a0000001f.spx	idDED		
18/12/2016 4:32:58 PM A-----	4,440	a00000020.freelist	14/12/2016 12:03:26 PM A-----	2,052,635	
18/12/2016 4:36:14 PM A-----	116	a00000020.gdbindexes	DEM_AX30_2016_1000_2949.asc		
18/12/2016 4:33:39 PM A-----	78,823	a00000020.gdbtable	14/12/2016 11:55:04 AM A-----	1,817,816	
18/12/2016 4:37:18 PM A-----	5,152	a00000020.gdbtablx	DEM_AX30_2016_1000_2950.asc		
18/12/2016 4:34:51 PM A-----	4,118	a00000020.spx	14/12/2016 12:03:03 PM A-----	1,948,074	
18/12/2016 4:33:03 PM A-----	4,440	a00000021.freelist	DEM_AX30_2016_1000_3049.asc		
18/12/2016 4:35:12 PM A-----	116	a00000021.gdbindexes	14/12/2016 12:05:23 PM A-----	1,720,222	
18/12/2016 4:37:55 PM A-----	315,080	a00000021.gdbtable	DEM_AX30_2016_1000_3050.asc		
18/12/2016 4:32:49 PM A-----	5,152	a00000021.gdbtablx	14/12/2016 12:02:00 PM A-----	2,067,908	
18/12/2016 4:35:52 PM A-----	12,310	a00000021.spx	DEM_AX30_2016_1000_3150.asc		
18/12/2016 4:37:34 PM A-----	4,440	a00000022.freelist			

14/12/2016 11:59:57 AM A----- 2,019,422 DEM_AX31_2016_1000_2801.asc
 14/12/2016 11:54:22 AM A----- 2,048,667 DEM_AX31_2016_1000_2802.asc
 14/12/2016 11:53:48 AM A----- 1,697,754 DEM_AX31_2016_1000_2901.asc
 14/12/2016 11:55:54 AM A----- 1,732,543 DEM_AX31_2016_1000_2902.asc
 14/12/2016 12:05:28 PM A----- 1,893,027 DEM_AX31_2016_1000_2903.asc
 14/12/2016 11:56:15 AM A----- 1,880,658 DEM_AX31_2016_1000_2904.asc
 14/12/2016 12:01:55 PM A----- 1,756,817 DEM_AX31_2016_1000_2905.asc
 14/12/2016 11:59:21 AM A----- 1,922,366 DEM_AX31_2016_1000_2906.asc
 14/12/2016 11:58:39 AM A----- 1,997,714 DEM_AX31_2016_1000_2907.asc
 14/12/2016 12:01:21 PM A----- 2,062,635 DEM_AX31_2016_1000_2908.asc
 14/12/2016 11:59:38 AM A----- 1,723,893 DEM_AX31_2016_1000_3001.asc
 14/12/2016 12:00:06 PM A----- 1,695,816 DEM_AX31_2016_1000_3002.asc
 14/12/2016 11:55:23 AM A----- 1,690,284 DEM_AX31_2016_1000_3003.asc
 14/12/2016 11:59:27 AM A----- 1,693,470 DEM_AX31_2016_1000_3004.asc
 14/12/2016 12:01:03 PM A----- 1,688,526 DEM_AX31_2016_1000_3005.asc
 14/12/2016 12:00:31 PM A----- 1,698,855 DEM_AX31_2016_1000_3006.asc
 14/12/2016 11:59:05 AM A----- 1,696,743 DEM_AX31_2016_1000_3007.asc
 14/12/2016 11:56:49 AM A----- 1,765,805 DEM_AX31_2016_1000_3008.asc
 14/12/2016 11:58:40 AM A----- 2,070,120 DEM_AX31_2016_1000_3009.asc
 14/12/2016 12:05:57 PM A----- 2,065,735 DEM_AX31_2016_1000_3101.asc
 14/12/2016 12:03:57 PM A----- 2,057,691 DEM_AX31_2016_1000_3102.asc
 14/12/2016 11:55:28 AM A----- 1,926,548 DEM_AX31_2016_1000_3103.asc
 14/12/2016 12:02:45 PM A----- 1,704,741 DEM_AX31_2016_1000_3104.asc
 14/12/2016 12:04:46 PM A----- 1,689,460 DEM_AX31_2016_1000_3105.asc
 14/12/2016 11:55:53 AM A----- 1,697,798 DEM_AX31_2016_1000_3106.asc
 14/12/2016 12:02:18 PM A----- 1,811,836 DEM_AX31_2016_1000_3107.asc
 14/12/2016 11:57:28 AM A----- 2,027,582 DEM_AX31_2016_1000_3108.asc
 14/12/2016 11:58:14 AM A----- 1,898,986 DEM_AX31_2016_1000_3204.asc
 14/12/2016 12:04:28 PM A----- 1,765,489 DEM_AX31_2016_1000_3205.asc
 14/12/2016 12:05:08 PM A----- 1,980,790 DEM_AX31_2016_1000_3206.asc
 14/12/2016 12:06:16 PM A----- 2,063,404 DEM_AX31_2016_1000_3304.asc
 14/12/2016 12:04:54 PM A----- 2,044,110 DEM_AX31_2016_1000_3305.asc

69,075,940 37 Files

N:\ProjectDATA\WhangareiHarbour2016LiDAR_FPFA1125\Output\Marsden\Gridded_DSM
 14/12/2016 12:49:29 PM A----- 2,055,779 DSM_AX30_2016_1000_2949.asc
 14/12/2016 12:51:34 PM A----- 1,838,441 DSM_AX30_2016_1000_2950.asc
 14/12/2016 12:51:15 PM A----- 1,965,959 DSM_AX30_2016_1000_3049.asc
 14/12/2016 12:48:40 PM A----- 1,741,693 DSM_AX30_2016_1000_3050.asc
 14/12/2016 12:47:07 PM A----- 2,067,894 DSM_AX30_2016_1000_3150.asc
 14/12/2016 12:51:43 PM A----- 2,025,613 DSM_AX31_2016_1000_2801.asc
 14/12/2016 12:47:17 PM A----- 2,046,623 DSM_AX31_2016_1000_2802.asc
 14/12/2016 12:48:03 PM A----- 1,711,981 DSM_AX31_2016_1000_2901.asc
 14/12/2016 12:51:01 PM A----- 1,721,143 DSM_AX31_2016_1000_2902.asc
 14/12/2016 12:48:46 PM A----- 1,888,201 DSM_AX31_2016_1000_2903.asc
 14/12/2016 12:51:04 PM A----- 1,865,956 DSM_AX31_2016_1000_2904.asc
 14/12/2016 12:48:07 PM A----- 1,766,621 DSM_AX31_2016_1000_2905.asc
 14/12/2016 12:49:37 PM A----- 1,916,587 DSM_AX31_2016_1000_2906.asc
 14/12/2016 12:51:24 PM A----- 1,990,151 DSM_AX31_2016_1000_2907.asc
 14/12/2016 12:49:06 PM A----- 2,063,811 DSM_AX31_2016_1000_2908.asc
 14/12/2016 12:48:20 PM A----- 1,723,128 DSM_AX31_2016_1000_3001.asc
 14/12/2016 12:49:01 PM A----- 1,695,638 DSM_AX31_2016_1000_3002.asc
 14/12/2016 12:49:16 PM A----- 1,693,741 DSM_AX31_2016_1000_3003.asc
 14/12/2016 12:48:14 PM A----- 1,690,247 DSM_AX31_2016_1000_3004.asc
 14/12/2016 12:48:56 PM A----- 1,717,440 DSM_AX31_2016_1000_3005.asc
 14/12/2016 12:48:32 PM A----- 1,738,118 DSM_AX31_2016_1000_3006.asc
 14/12/2016 12:51:27 PM A----- 1,741,354 DSM_AX31_2016_1000_3007.asc
 14/12/2016 12:47:30 PM A----- 1,762,670 DSM_AX31_2016_1000_3008.asc
 14/12/2016 12:50:48 PM A----- 2,069,584 DSM_AX31_2016_1000_3009.asc
 14/12/2016 12:50:48 PM A----- 2,066,021 DSM_AX31_2016_1000_3101.asc
 14/12/2016 12:49:50 PM A----- 2,057,898 DSM_AX31_2016_1000_3102.asc
 14/12/2016 12:46:58 PM A----- 1,926,845 DSM_AX31_2016_1000_3103.asc
 14/12/2016 12:50:05 PM A----- 1,735,677 DSM_AX31_2016_1000_3104.asc
 14/12/2016 12:50:13 PM A----- 1,703,829 DSM_AX31_2016_1000_3105.asc
 14/12/2016 12:49:56 PM A----- 1,739,920 DSM_AX31_2016_1000_3106.asc
 14/12/2016 12:47:45 PM A----- 1,834,369 DSM_AX31_2016_1000_3107.asc
 14/12/2016 12:47:55 PM A----- 2,023,568 DSM_AX31_2016_1000_3108.asc
 14/12/2016 12:49:20 PM A----- 1,931,708 DSM_AX31_2016_1000_3204.asc
 14/12/2016 12:47:22 PM A----- 1,808,341 DSM_AX31_2016_1000_3205.asc
 14/12/2016 12:47:39 PM A----- 1,977,027 DSM_AX31_2016_1000_3206.asc
 14/12/2016 12:50:04 PM A----- 2,063,263 DSM_AX31_2016_1000_3304.asc
 14/12/2016 12:50:21 PM A----- 2,042,001 DSM_AX31_2016_1000_3305.asc

69,408,840 37 Files

N:\ProjectDATA\WhangareiHarbour2016LiDAR_FPFA1125\Output\Marsden\Hydro_Enforc
 14/12/2016 12:23:07 PM A----- 5,507 Polygon.dbf
 14/12/2016 12:23:11 PM A----- 429 Polygon.prj
 14/12/2016 12:22:52 PM A----- 308 Polygon.sbn
 14/12/2016 12:23:20 PM A----- 132 Polygon.sbx
 14/12/2016 12:24:00 PM A----- 28,268 Polygon.shp
 14/12/2016 12:23:28 PM A----- 879 Polygon.shp.xml
 14/12/2016 12:22:28 PM A----- 252 Polygon.shx
 14/12/2016 12:23:45 PM A----- 372 Polyline.dbf
 14/12/2016 12:23:27 PM A----- 429 Polyline.prj

14/12/2016 12:23:37 PM A-----
 14/12/2016 12:23:52 PM A-----
 14/12/2016 12:22:45 PM A-----
 14/12/2016 12:23:46 PM A-----
 14/12/2016 12:23:36 PM A-----

90,064 14 Files

N:\ProjectDATA\WhangareiHarbour2016LiDAR_FPFA1125\Output\Marsden\Int
 ensity

16/12/2016 12:56:55 PM A----- 152 INT_AX30_2016_1000_2949.tfw
 16/12/2016 1:01:36 PM A----- 1,037,124 INT_AX30_2016_1000_2949.tif
 16/12/2016 12:57:04 PM A----- 152 INT_AX30_2016_1000_2950.tfw
 16/12/2016 12:55:47 PM A----- 1,037,124 INT_AX30_2016_1000_2950.tif
 16/12/2016 12:55:24 PM A----- 152 INT_AX30_2016_1000_3049.tfw
 16/12/2016 1:02:52 PM A----- 1,037,124 INT_AX30_2016_1000_3049.tif
 16/12/2016 12:56:04 PM A----- 152 INT_AX30_2016_1000_3050.tfw
 16/12/2016 12:57:33 PM A----- 1,037,124 INT_AX30_2016_1000_3050.tif
 16/12/2016 12:55:09 PM A----- 152 INT_AX30_2016_1000_3150.tfw
 16/12/2016 1:00:54 PM A----- 1,037,124 INT_AX30_2016_1000_3150.tif
 16/12/2016 12:55:04 PM A----- 152 INT_AX31_2016_1000_2801.tfw
 16/12/2016 12:55:41 PM A----- 1,037,124 INT_AX31_2016_1000_2801.tif
 16/12/2016 1:02:29 PM A----- 152 INT_AX31_2016_1000_2802.tfw
 16/12/2016 12:56:20 PM A----- 1,037,124 INT_AX31_2016_1000_2802.tif
 16/12/2016 1:00:34 PM A----- 152 INT_AX31_2016_1000_2901.tfw
 16/12/2016 12:57:17 PM A----- 1,037,124 INT_AX31_2016_1000_2901.tif
 16/12/2016 1:02:04 PM A----- 152 INT_AX31_2016_1000_2902.tfw
 16/12/2016 12:55:53 PM A----- 1,037,124 INT_AX31_2016_1000_2902.tif
 16/12/2016 12:56:22 PM A----- 152 INT_AX31_2016_1000_2903.tfw
 16/12/2016 12:59:27 PM A----- 1,037,124 INT_AX31_2016_1000_2903.tif
 16/12/2016 1:00:57 PM A----- 152 INT_AX31_2016_1000_2904.tfw
 16/12/2016 12:56:52 PM A----- 1,037,124 INT_AX31_2016_1000_2904.tif
 16/12/2016 12:59:59 PM A----- 152 INT_AX31_2016_1000_2905.tfw
 16/12/2016 12:57:43 PM A----- 1,037,124 INT_AX31_2016_1000_2905.tif
 16/12/2016 12:59:06 PM A----- 152 INT_AX31_2016_1000_2906.tfw
 16/12/2016 1:03:11 PM A----- 1,037,124 INT_AX31_2016_1000_2906.tif
 16/12/2016 12:55:26 PM A----- 152 INT_AX31_2016_1000_2907.tfw
 16/12/2016 12:56:38 PM A----- 1,037,124 INT_AX31_2016_1000_2907.tif
 16/12/2016 12:55:29 PM A----- 152 INT_AX31_2016_1000_2908.tfw
 16/12/2016 12:56:44 PM A----- 1,037,124 INT_AX31_2016_1000_2908.tif
 16/12/2016 1:02:06 PM A----- 152 INT_AX31_2016_1000_3001.tfw
 16/12/2016 12:55:59 PM A----- 1,037,124 INT_AX31_2016_1000_3001.tif
 16/12/2016 1:01:22 PM A----- 152 INT_AX31_2016_1000_3002.tfw
 16/12/2016 1:01:58 PM A----- 1,037,124 INT_AX31_2016_1000_3002.tif
 16/12/2016 1:03:14 PM A----- 152 INT_AX31_2016_1000_3003.tfw
 16/12/2016 1:00:10 PM A----- 1,037,124 INT_AX31_2016_1000_3003.tif
 16/12/2016 1:02:01 PM A----- 152 INT_AX31_2016_1000_3004.tfw
 16/12/2016 1:02:15 PM A----- 1,037,124 INT_AX31_2016_1000_3004.tif
 16/12/2016 12:57:27 PM A----- 152 INT_AX31_2016_1000_3005.tfw
 16/12/2016 12:58:50 PM A----- 1,037,124 INT_AX31_2016_1000_3005.tif
 16/12/2016 1:00:38 PM A----- 152 INT_AX31_2016_1000_3006.tfw
 16/12/2016 12:59:56 PM A----- 1,037,124 INT_AX31_2016_1000_3006.tif
 16/12/2016 12:57:51 PM A----- 152 INT_AX31_2016_1000_3007.tfw
 16/12/2016 1:01:04 PM A----- 1,037,124 INT_AX31_2016_1000_3007.tif
 16/12/2016 12:55:07 PM A----- 152 INT_AX31_2016_1000_3008.tfw
 16/12/2016 12:58:04 PM A----- 1,037,124 INT_AX31_2016_1000_3008.tif
 16/12/2016 12:56:02 PM A----- 152 INT_AX31_2016_1000_3009.tfw
 16/12/2016 1:01:53 PM A----- 1,037,124 INT_AX31_2016_1000_3009.tif
 16/12/2016 12:58:53 PM A----- 152 INT_AX31_2016_1000_3101.tfw
 16/12/2016 12:58:28 PM A----- 1,037,124 INT_AX31_2016_1000_3101.tif
 16/12/2016 12:56:09 PM A----- 152 INT_AX31_2016_1000_3102.tfw
 16/12/2016 12:57:25 PM A----- 1,037,124 INT_AX31_2016_1000_3102.tif
 16/12/2016 12:56:07 PM A----- 152 INT_AX31_2016_1000_3103.tfw
 16/12/2016 1:02:44 PM A----- 1,037,124 INT_AX31_2016_1000_3103.tif
 16/12/2016 12:56:11 PM A----- 152 INT_AX31_2016_1000_3104.tfw
 16/12/2016 12:59:49 PM A----- 1,037,124 INT_AX31_2016_1000_3104.tif
 16/12/2016 12:56:32 PM A----- 152 INT_AX31_2016_1000_3105.tfw
 16/12/2016 12:56:29 PM A----- 1,037,124 INT_AX31_2016_1000_3105.tif
 16/12/2016 1:01:40 PM A----- 152 INT_AX31_2016_1000_3106.tfw
 16/12/2016 1:00:31 PM A----- 1,037,124 INT_AX31_2016_1000_3106.tif
 16/12/2016 12:58:57 PM A----- 152 INT_AX31_2016_1000_3107.tfw
 16/12/2016 12:57:48 PM A----- 1,037,124 INT_AX31_2016_1000_3107.tif
 16/12/2016 12:59:01 PM A----- 152 INT_AX31_2016_1000_3108.tfw
 16/12/2016 12:59:41 PM A----- 1,037,124 INT_AX31_2016_1000_3108.tif
 16/12/2016 12:59:03 PM A----- 152 INT_AX31_2016_1000_3204.tfw
 16/12/2016 1:01:19 PM A----- 1,037,124 INT_AX31_2016_1000_3204.tif
 16/12/2016 12:55:01 PM A----- 152 INT_AX31_2016_1000_3205.tfw
 16/12/2016 1:01:46 PM A----- 1,037,124 INT_AX31_2016_1000_3205.tif
 16/12/2016 1:00:02 PM A----- 152 INT_AX31_2016_1000_3206.tfw
 16/12/2016 12:55:21 PM A----- 1,037,124 INT_AX31_2016_1000_3206.tif
 16/12/2016 1:03:01 PM A----- 152 INT_AX31_2016_1000_3304.tfw
 16/12/2016 12:57:01 PM A----- 1,037,124 INT_AX31_2016_1000_3304.tif
 16/12/2016 12:57:07 PM A----- 152 INT_AX31_2016_1000_3305.tfw
 16/12/2016 1:02:26 PM A----- 1,037,124 INT_AX31_2016_1000_3305.tif

38,379,212 74 Files

N:\ProjectDATA\WhangareiHarbour2016LiDAR_FPFA1125\Output\Marsden\NDSM

14/12/2016 3:15:38 PM A-----	2,064,616	nDSM_AX30_2016_1000_2949.asc
14/12/2016 3:12:11 PM A-----	1,920,142	nDSM_AX30_2016_1000_2950.asc
14/12/2016 3:14:16 PM A-----	2,000,237	nDSM_AX30_2016_1000_3049.asc
14/12/2016 3:12:54 PM A-----	1,808,283	nDSM_AX30_2016_1000_3050.asc
14/12/2016 3:15:20 PM A-----	2,068,388	nDSM_AX30_2016_1000_3150.asc
14/12/2016 3:15:08 PM A-----	2,046,493	nDSM_AX31_2016_1000_2801.asc
14/12/2016 3:13:09 PM A-----	2,070,621	nDSM_AX31_2016_1000_2802.asc
14/12/2016 3:11:20 PM A-----	1,947,217	nDSM_AX31_2016_1000_2901.asc
14/12/2016 3:11:51 PM A-----	1,924,855	nDSM_AX31_2016_1000_2902.asc
14/12/2016 3:14:00 PM A-----	1,985,491	nDSM_AX31_2016_1000_2903.asc
14/12/2016 3:12:04 PM A-----	1,980,906	nDSM_AX31_2016_1000_2904.asc
14/12/2016 3:13:07 PM A-----	1,951,901	nDSM_AX31_2016_1000_2905.asc
14/12/2016 3:14:48 PM A-----	2,027,167	nDSM_AX31_2016_1000_2906.asc
14/12/2016 3:13:30 PM A-----	2,047,790	nDSM_AX31_2016_1000_2907.asc
14/12/2016 3:12:24 PM A-----	2,063,683	nDSM_AX31_2016_1000_2908.asc
14/12/2016 3:14:06 PM A-----	1,930,391	nDSM_AX31_2016_1000_3001.asc
14/12/2016 3:14:38 PM A-----	1,912,846	nDSM_AX31_2016_1000_3002.asc
14/12/2016 3:15:12 PM A-----	1,851,806	nDSM_AX31_2016_1000_3003.asc
14/12/2016 3:13:46 PM A-----	1,895,372	nDSM_AX31_2016_1000_3004.asc
14/12/2016 3:12:56 PM A-----	1,964,735	nDSM_AX31_2016_1000_3005.asc
14/12/2016 3:11:18 PM A-----	1,945,876	nDSM_AX31_2016_1000_3006.asc
14/12/2016 3:12:31 PM A-----	1,941,164	nDSM_AX31_2016_1000_3007.asc
14/12/2016 3:15:26 PM A-----	1,983,865	nDSM_AX31_2016_1000_3008.asc
14/12/2016 3:11:41 PM A-----	2,071,864	nDSM_AX31_2016_1000_3009.asc
14/12/2016 3:13:46 PM A-----	2,071,773	nDSM_AX31_2016_1000_3101.asc
14/12/2016 3:14:27 PM A-----	2,073,932	nDSM_AX31_2016_1000_3102.asc
14/12/2016 3:13:28 PM A-----	2,019,040	nDSM_AX31_2016_1000_3103.asc
14/12/2016 3:12:41 PM A-----	1,831,506	nDSM_AX31_2016_1000_3104.asc
14/12/2016 3:11:43 PM A-----	1,840,051	nDSM_AX31_2016_1000_3105.asc
14/12/2016 3:14:58 PM A-----	1,971,268	nDSM_AX31_2016_1000_3106.asc
14/12/2016 3:11:02 PM A-----	1,972,098	nDSM_AX31_2016_1000_3107.asc
14/12/2016 3:14:36 PM A-----	2,057,358	nDSM_AX31_2016_1000_3108.asc
14/12/2016 3:13:54 PM A-----	1,955,778	nDSM_AX31_2016_1000_3204.asc
14/12/2016 3:14:12 PM A-----	1,823,753	nDSM_AX31_2016_1000_3205.asc
14/12/2016 3:12:41 PM A-----	2,028,250	nDSM_AX31_2016_1000_3206.asc
14/12/2016 3:14:51 PM A-----	2,066,621	nDSM_AX31_2016_1000_3304.asc
14/12/2016 3:11:57 PM A-----	2,061,586	nDSM_AX31_2016_1000_3305.asc

73,178,723 37 Files

N:\ProjectDATA\WhangareiHarbour2016LiDAR_FPFA1125\Output\Marsden\RawPointCloud

14/12/2016 3:49:30 PM -D----	LAS
14/12/2016 3:55:38 PM -D----	XYZI

0 0 Files

N:\ProjectDATA\WhangareiHarbour2016LiDAR_FPFA1125\Output\Marsden\RawPointCloud\LAS

14/12/2016 3:41:57 PM A-----	2,118,763	UNC_AX30_2016_1000_2949.las
14/12/2016 3:42:03 PM A-----	46,737,743	UNC_AX30_2016_1000_2950.las
14/12/2016 3:41:58 PM A-----	15,500,607	UNC_AX30_2016_1000_3049.las
14/12/2016 3:42:04 PM A-----	57,393,955	UNC_AX30_2016_1000_3050.las
14/12/2016 3:41:57 PM A-----	974,571	UNC_AX30_2016_1000_3150.las
14/12/2016 3:41:58 PM A-----	9,128,703	UNC_AX31_2016_1000_2801.las
14/12/2016 3:41:58 PM A-----	2,635,307	UNC_AX31_2016_1000_2802.las
14/12/2016 3:42:07 PM A-----	79,817,111	UNC_AX31_2016_1000_2901.las
14/12/2016 3:42:06 PM A-----	62,841,775	UNC_AX31_2016_1000_2902.las
14/12/2016 3:42:02 PM A-----	27,576,335	UNC_AX31_2016_1000_2903.las
14/12/2016 3:42:02 PM A-----	24,384,083	UNC_AX31_2016_1000_2904.las
14/12/2016 3:42:08 PM A-----	46,251,187	UNC_AX31_2016_1000_2905.las
14/12/2016 3:42:05 PM A-----	19,629,571	UNC_AX31_2016_1000_2906.las
14/12/2016 3:42:04 PM A-----	7,097,415	UNC_AX31_2016_1000_2907.las
14/12/2016 3:42:04 PM A-----	1,317,067	UNC_AX31_2016_1000_2908.las
14/12/2016 3:42:13 PM A-----	70,017,055	UNC_AX31_2016_1000_3001.las
14/12/2016 3:42:16 PM A-----	78,825,239	UNC_AX31_2016_1000_3002.las
14/12/2016 3:42:17 PM A-----	82,419,879	UNC_AX31_2016_1000_3003.las
14/12/2016 3:42:15 PM A-----	64,271,651	UNC_AX31_2016_1000_3004.las
14/12/2016 3:42:16 PM A-----	56,324,719	UNC_AX31_2016_1000_3005.las
14/12/2016 3:42:17 PM A-----	57,564,979	UNC_AX31_2016_1000_3006.las
14/12/2016 3:42:24 PM A-----	58,791,967	UNC_AX31_2016_1000_3007.las
14/12/2016 3:42:20 PM A-----	24,915,243	UNC_AX31_2016_1000_3008.las
14/12/2016 3:42:16 PM A-----	297,503	UNC_AX31_2016_1000_3009.las
14/12/2016 3:42:17 PM A-----	1,300,575	UNC_AX31_2016_1000_3101.las
14/12/2016 3:42:17 PM A-----	3,634,095	UNC_AX31_2016_1000_3102.las
14/12/2016 3:42:22 PM A-----	27,663,331	UNC_AX31_2016_1000_3103.las
14/12/2016 3:42:30 PM A-----	90,654,539	UNC_AX31_2016_1000_3104.las
14/12/2016 3:42:30 PM A-----	87,304,759	UNC_AX31_2016_1000_3105.las
14/12/2016 3:42:28 PM A-----	60,757,343	UNC_AX31_2016_1000_3106.las
14/12/2016 3:42:24 PM A-----	24,204,827	UNC_AX31_2016_1000_3107.las
14/12/2016 3:42:23 PM A-----	2,530,447	UNC_AX31_2016_1000_3108.las
14/12/2016 3:42:29 PM A-----	42,595,059	UNC_AX31_2016_1000_3204.las
14/12/2016 3:42:35 PM A-----	60,521,107	UNC_AX31_2016_1000_3205.las
14/12/2016 3:42:27 PM A-----	14,549,531	UNC_AX31_2016_1000_3206.las
14/12/2016 3:42:28 PM A-----	875,395	UNC_AX31_2016_1000_3304.las
14/12/2016 3:42:29 PM A-----	1,681,011	UNC_AX31_2016_1000_3305.las

1,315,104,447 37 Files

N:\ProjectDATA\WhangareiHarbour2016LiDAR_FPFA1125\Output\Marsden\RawPointCloud\XYZI

13/12/2016 11:41:40 AM A-----	2,408,307
UNC_AX30_2016_1000_2949.xyz	
13/12/2016 11:41:48 AM A-----	52,318,589
UNC_AX30_2016_1000_2950.xyz	
13/12/2016 11:41:51 AM A-----	17,555,874
UNC_AX30_2016_1000_3049.xyz	
13/12/2016 11:42:00 AM A-----	64,357,905
UNC_AX30_2016_1000_3050.xyz	
13/12/2016 11:42:01 AM A-----	1,086,074
UNC_AX30_2016_1000_3150.xyz	
13/12/2016 11:42:02 AM A-----	10,207,456
UNC_AX31_2016_1000_2801.xyz	
13/12/2016 11:42:03 AM A-----	2,920,172
UNC_AX31_2016_1000_2802.xyz	
13/12/2016 11:42:16 AM A-----	89,701,819
UNC_AX31_2016_1000_2901.xyz	
13/12/2016 11:42:26 AM A-----	70,094,849
UNC_AX31_2016_1000_2902.xyz	
13/12/2016 11:42:31 AM A-----	30,459,168
UNC_AX31_2016_1000_2903.xyz	
13/12/2016 11:42:35 AM A-----	26,866,779
UNC_AX31_2016_1000_2904.xyz	
13/12/2016 11:42:42 AM A-----	51,441,463
UNC_AX31_2016_1000_2905.xyz	
13/12/2016 11:42:45 AM A-----	21,711,165
UNC_AX31_2016_1000_2906.xyz	
13/12/2016 11:42:47 AM A-----	7,779,643
UNC_AX31_2016_1000_2907.xyz	
13/12/2016 11:42:47 AM A-----	1,444,683
UNC_AX31_2016_1000_2908.xyz	
13/12/2016 11:42:58 AM A-----	78,498,030
UNC_AX31_2016_1000_3001.xyz	
13/12/2016 11:43:12 AM A-----	88,549,533
UNC_AX31_2016_1000_3002.xyz	
13/12/2016 11:43:25 AM A-----	92,021,179
UNC_AX31_2016_1000_3003.xyz	
13/12/2016 11:43:36 AM A-----	71,516,673
UNC_AX31_2016_1000_3004.xyz	
13/12/2016 11:43:46 AM A-----	62,760,530
UNC_AX31_2016_1000_3005.xyz	
13/12/2016 11:43:57 AM A-----	64,134,632
UNC_AX31_2016_1000_3006.xyz	
13/12/2016 11:44:12 AM A-----	65,371,137
UNC_AX31_2016_1000_3007.xyz	
13/12/2016 11:44:17 AM A-----	27,485,976
UNC_AX31_2016_1000_3008.xyz	
13/12/2016 11:44:17 AM A-----	319,672
UNC_AX31_2016_1000_3009.xyz	
13/12/2016 11:44:18 AM A-----	1,461,291
UNC_AX31_2016_1000_3101.xyz	
13/12/2016 11:44:19 AM A-----	4,098,354
UNC_AX31_2016_1000_3102.xyz	
13/12/2016 11:44:24 AM A-----	31,167,067
UNC_AX31_2016_1000_3103.xyz	
13/12/2016 11:44:40 AM A-----	101,245,389
UNC_AX31_2016_1000_3104.xyz	
13/12/2016 11:44:55 AM A-----	96,929,429
UNC_AX31_2016_1000_3105.xyz	
13/12/2016 11:45:05 AM A-----	67,677,865
UNC_AX31_2016_1000_3106.xyz	
13/12/2016 11:45:09 AM A-----	26,857,980
UNC_AX31_2016_1000_3107.xyz	
13/12/2016 11:45:10 AM A-----	2,739,942
UNC_AX31_2016_1000_3108.xyz	
13/12/2016 11:45:17 AM A-----	47,601,312
UNC_AX31_2016_1000_3204.xyz	
13/12/2016 11:45:27 AM A-----	67,732,529
UNC_AX31_2016_1000_3205.xyz	
13/12/2016 11:45:30 AM A-----	16,137,047
UNC_AX31_2016_1000_3206.xyz	
13/12/2016 11:45:30 AM A-----	974,693
UNC_AX31_2016_1000_3304.xyz	
13/12/2016 11:45:30 AM A-----	1,829,798
UNC_AX31_2016_1000_3305.xyz	

1,467,464,004 37 Files

N:\ProjectDATA\WhangareiHarbour2016LiDAR_FPFA1125\Output\Marsden\TileLayout

15/12/2016 1:20:07 PM A-----	4,301
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LiDARTilesMarsdenCoveFPFA1125.dbf

15/12/2016 1:20:24 PM A-----	28,311 LiDARTilesMarsdenCoveFPFA1125.dxf
15/12/2016 1:20:24 PM A-----	399 LiDARTilesMarsdenCoveFPFA1125.prj
15/12/2016 1:20:07 PM A-----	5,132 LiDARTilesMarsdenCoveFPFA1125.shp
15/12/2016 1:20:07 PM A-----	396 LiDARTilesMarsdenCoveFPFA1125.shx

38,539 5 Files

Summary of N:\ProjectDATA\WhangareiHarbour2016LiDAR_FPFA1125\Output\Marsden

Directories =	24
Files =	899
Bytes =	5,385,336,422