
Project Information

Prepared By: Mitchell Fyock
Project Name: City of Casper DEM, Cross Section 4
Sensor Info: Leica ALS70
Required Nominal Pulse Spacing: 0.77
Vendor Name: Sanborn Map Company Inc.
Units: US Survey Feet
Percent of Extent Tolerance: Extents Not Checked
Date of Aquisition: Start: 5/31/2015 Finish: 6/8/2015

Metadata Information

Tile Index:

Path: Z:\01_GCP\01_City of Casper\2015\4219_Natrona County\03_Casper_City_3Inch\03_Data_Repository

Number of Polys: 490

Intensity:

Tile Index Attribute: Name

Path to Data: Not Specified

DEM:

Tile Index Attribute: Name

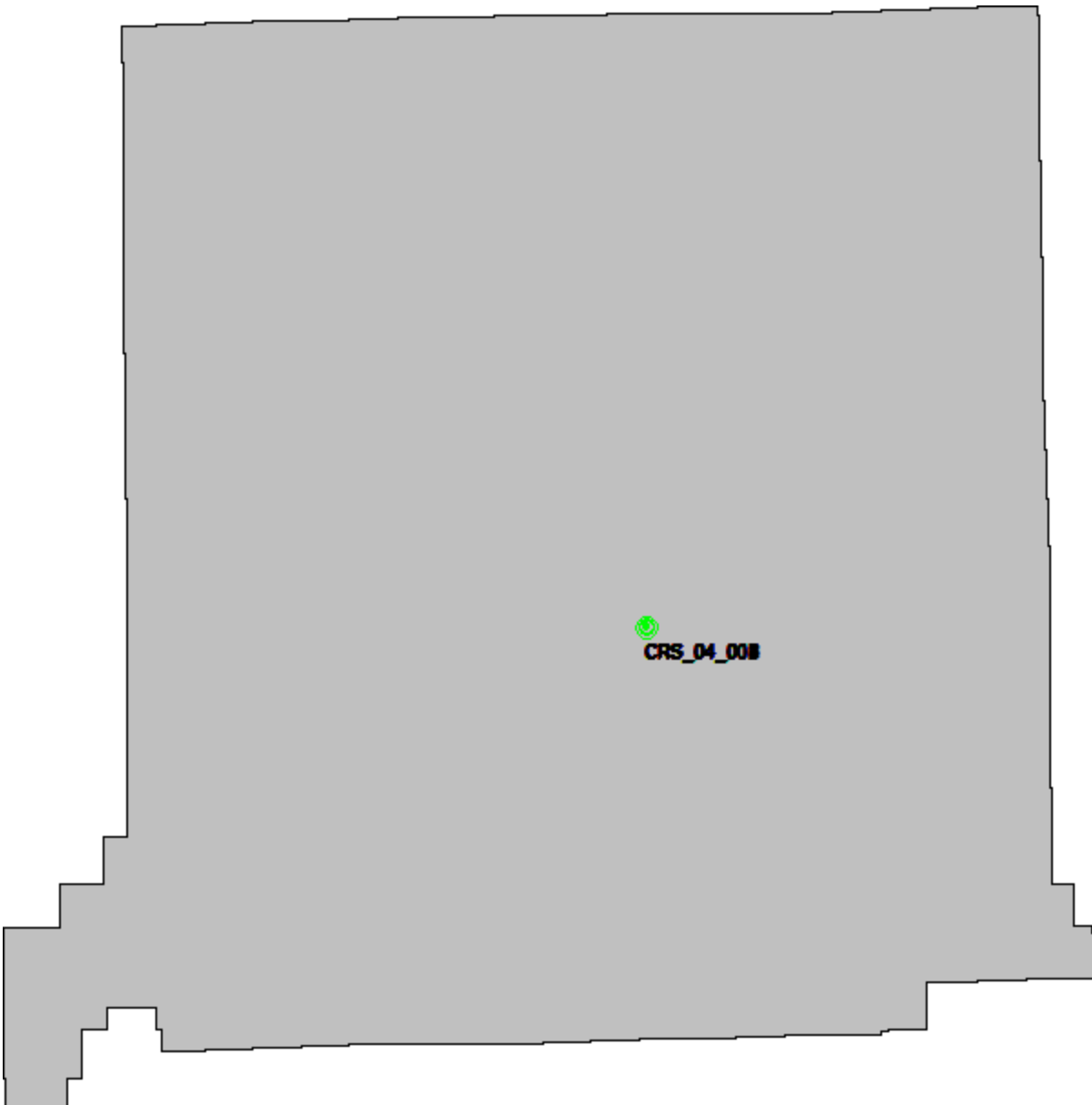
Path to Data: Z:\01_GCP\01_City of Casper\2015\4219_Natrona County\03_Casper_City_3Inch\03_Data_Repository

LAS:

Tile Index Attribute:

Path to Data:

Tiled-Data Area



LiDAR Accuracy Assessment Summary

LC Type	# of Points	FVA	SVA	CVA
DEM				
ALL	14	1.573	1.387	1.387
	14	1.573	1.387	1.387
Total	14			

Units: US Survey Feet

Coordinates and Offsets of Analyzed Locations

	ID					
		Survey X	Survey Y	Z1	Z DEM	Z LAS
				LC Type	ΔZ DEM	ΔZ LAS
1)	<input checked="" type="checkbox"/> CRS_04_001					
		1590667.564	1191679.47	5091.227	5092.479	NaN
					1.252	NaN
2)	<input checked="" type="checkbox"/> CRS_04_002					
		1590670.604	1191685.52	5095.972	5096.87	NaN
					0.898	NaN
3)	<input checked="" type="checkbox"/> CRS_04_003					
		1590679.36	1191696.525	5098.934	5099.672	NaN
					0.738	NaN
4)	<input checked="" type="checkbox"/> CRS_04_004					
		1590699.408	1191722.531	5098.867	5099.399	NaN
					0.532	NaN
5)	<input checked="" type="checkbox"/> CRS_04_005					
		1590705.319	1191731.754	5098.303	5098.855	NaN
					0.552	NaN
6)	<input checked="" type="checkbox"/> CRS_04_006					
		1590709.911	1191746.949	5098.587	5098.955	NaN
					0.368	NaN
7)	<input checked="" type="checkbox"/> CRS_04_007					
		1590726.235	1191780.282	5098.658	5099.898	NaN
					1.24	NaN

Coordinates and Offsets of Analyzed Locations (Continued)

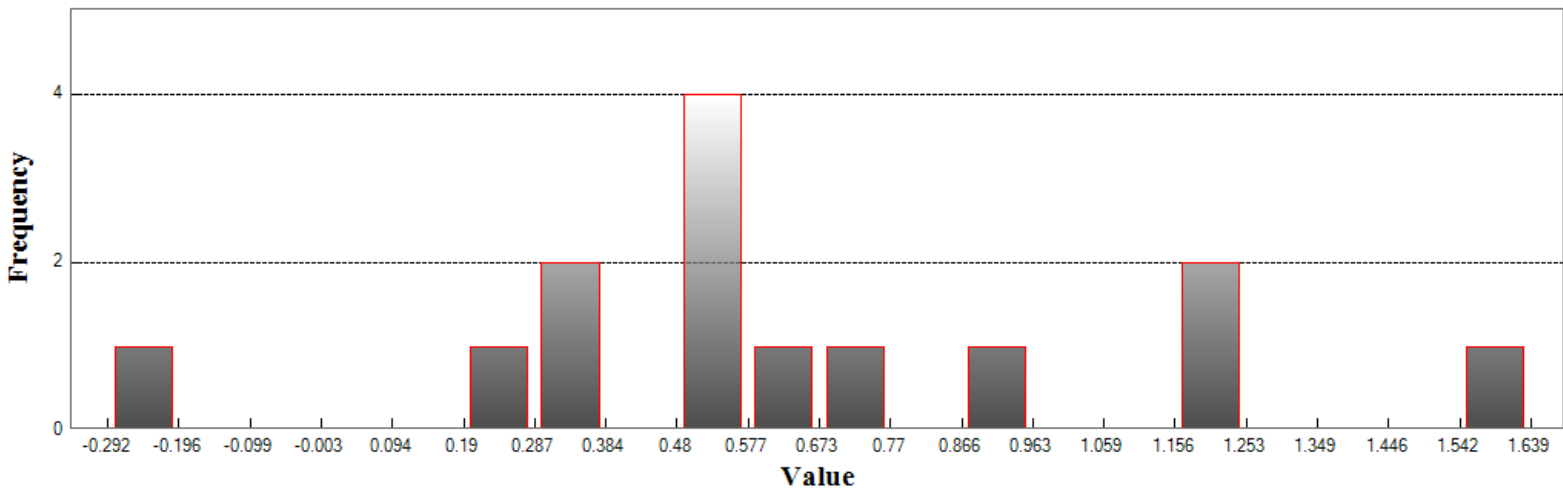
	ID					
		Survey X	Survey Y	Z1	Z DEM	Z LAS
				LC Type	ΔZ DEM	ΔZ LAS
8)	<input checked="" type="checkbox"/> CRS_04_008					
		1590729.951	1191788.696	5102.032	5102.568	NaN
					0.536	NaN
9)	<input checked="" type="checkbox"/> CRS_04_009					
		1590732.772	1191796.803	5098.642	5098.93	NaN
					0.288	NaN
10)	<input checked="" type="checkbox"/> CRS_04_010					
		1590753.529	1191818.786	5097.941	5098.438	NaN
					0.497	NaN
11)	<input checked="" type="checkbox"/> CRS_04_011					
		1590783.733	1191844.241	5098.221	5098.437	NaN
					0.216	NaN
12)	<input checked="" type="checkbox"/> CRS_04_012					
		1590813.962	1191862.756	5097.611	5098.248	NaN
					0.637	NaN
13)	<input checked="" type="checkbox"/> CRS_04_013					
		1590821.348	1191859.087	5091.919	5093.558	NaN
					1.639	NaN
14)	<input checked="" type="checkbox"/> CRS_04_014					
		1590825.658	1191857.435	5090.442	5090.15	NaN
					-0.292	NaN

DEM

Fundamental Vertical Accuracy

LandCover Type: ALL,
Minimum DZ: -0.292
Maximum DZ: 1.639
Mean DZ: 0.65
Mean Magnitude DZ: 0.832
Number Observations: 14
Standard Deviation DZ: 0.489
RMSE Z: 0.803
95% Confidence Level Z: 1.573
Units: US Survey Feet

Histogram



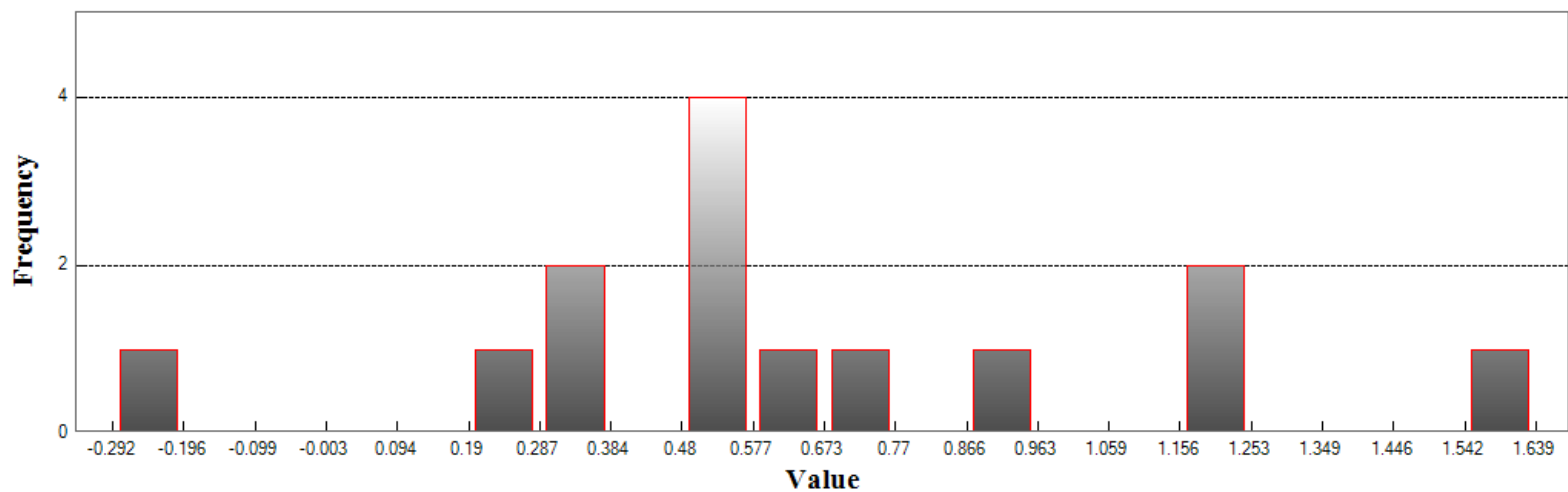
Min: -0.292
Max: 1.639
Number Of Bins: 20
Bin Interval: 0.097

DEM (Continued)

Supplemental Vertical Accuracy

LandCover Type: ALL
Minimum DZ: -0.292
Maximum DZ: 1.639
Mean DZ: 0.65
Mean Magnitude DZ: 0.832
Number Observations: 14
Standard Deviation DZ: 0.489
RMSE Z: 0.803
95th Percentile: 1.387
Units: US Survey Feet

Histogram



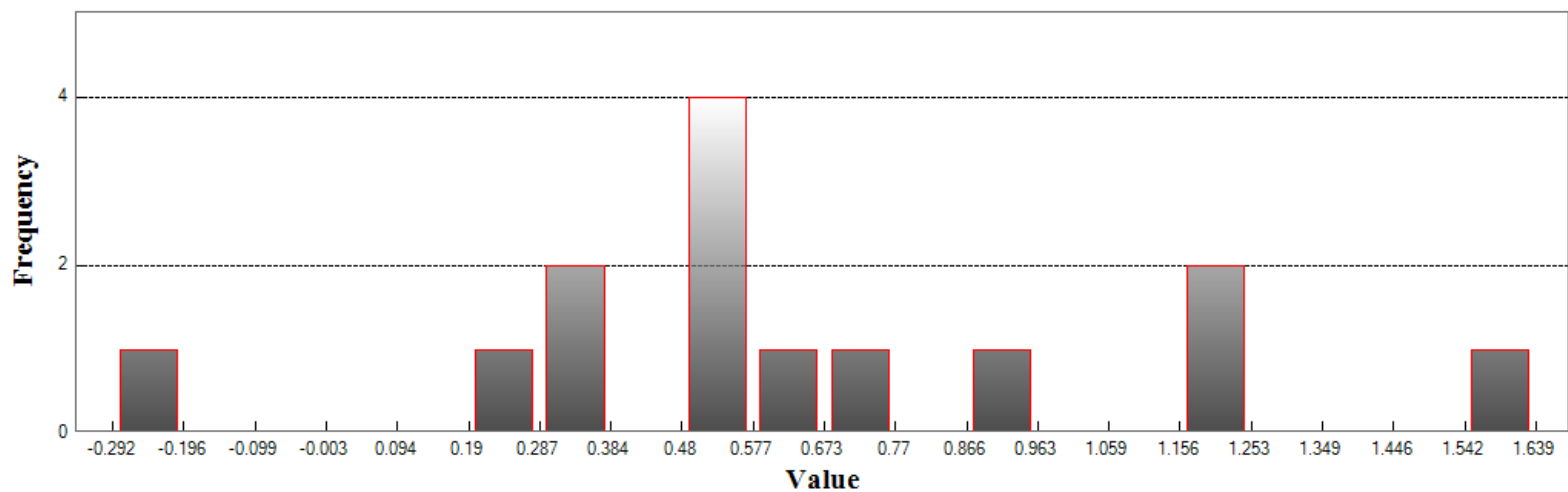
Min: -0.292
Max: 1.639
Number Of Bins: 20
Bin Interval: 0.097

DEM (Continued)

Supplemental Vertical Accuracy

LandCover Type:
Minimum DZ: -0.292
Maximum DZ: 1.639
Mean DZ: 0.65
Mean Magnitude DZ: 0.832
Number Observations: 14
Standard Deviation DZ: 0.489
RMSE Z: 0.803
95th Percentile: 1.387
Units: US Survey Feet

Histogram



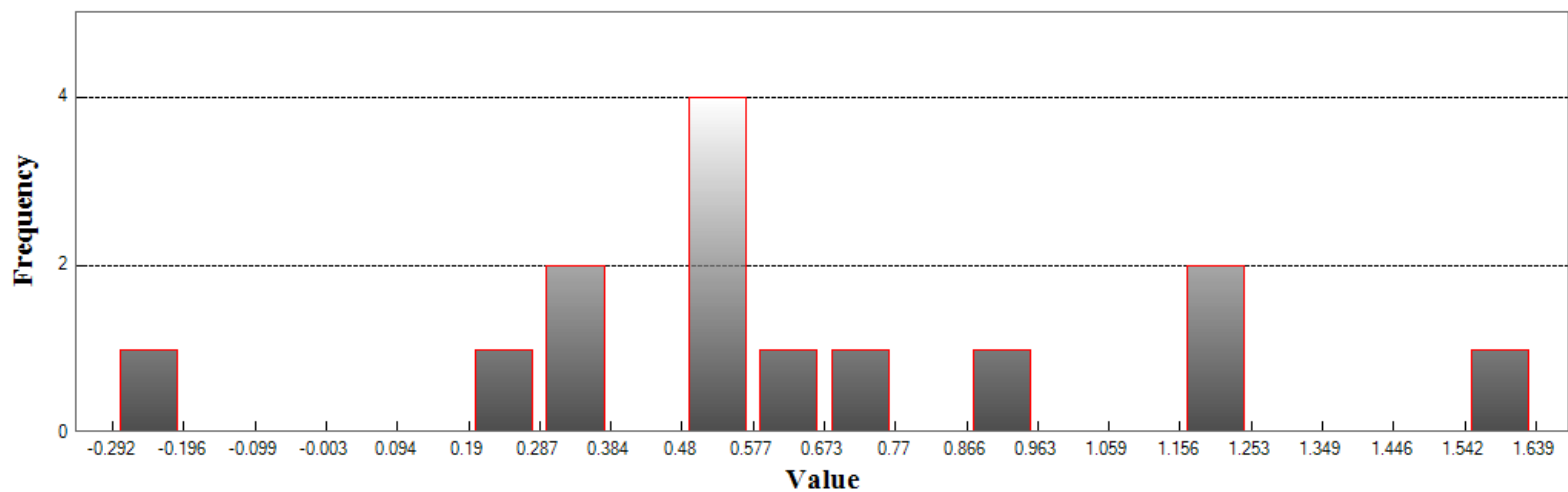
Min: -0.292
Max: 1.639
Number Of Bins: 20
Bin Interval: 0.097

DEM (Continued)

Consolidated Vertical Accuracy

LandCover Type: ALL,
Minimum DZ: -0.292
Maximum DZ: 1.639
Mean DZ: 0.65
Mean Magnitude DZ: 0.832
Number Observations: 14
Standard Deviation DZ: 0.489
RMSE Z: 0.803
95th Percentile: 1.387
Units: US Survey Feet

Histogram



Min: -0.292
Max: 1.639
Number Of Bins: 20
Bin Interval: 0.097