
Project Information

Prepared By: Mitchell Fyock
Project Name: City of Casper DEM, Cross Section 1
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

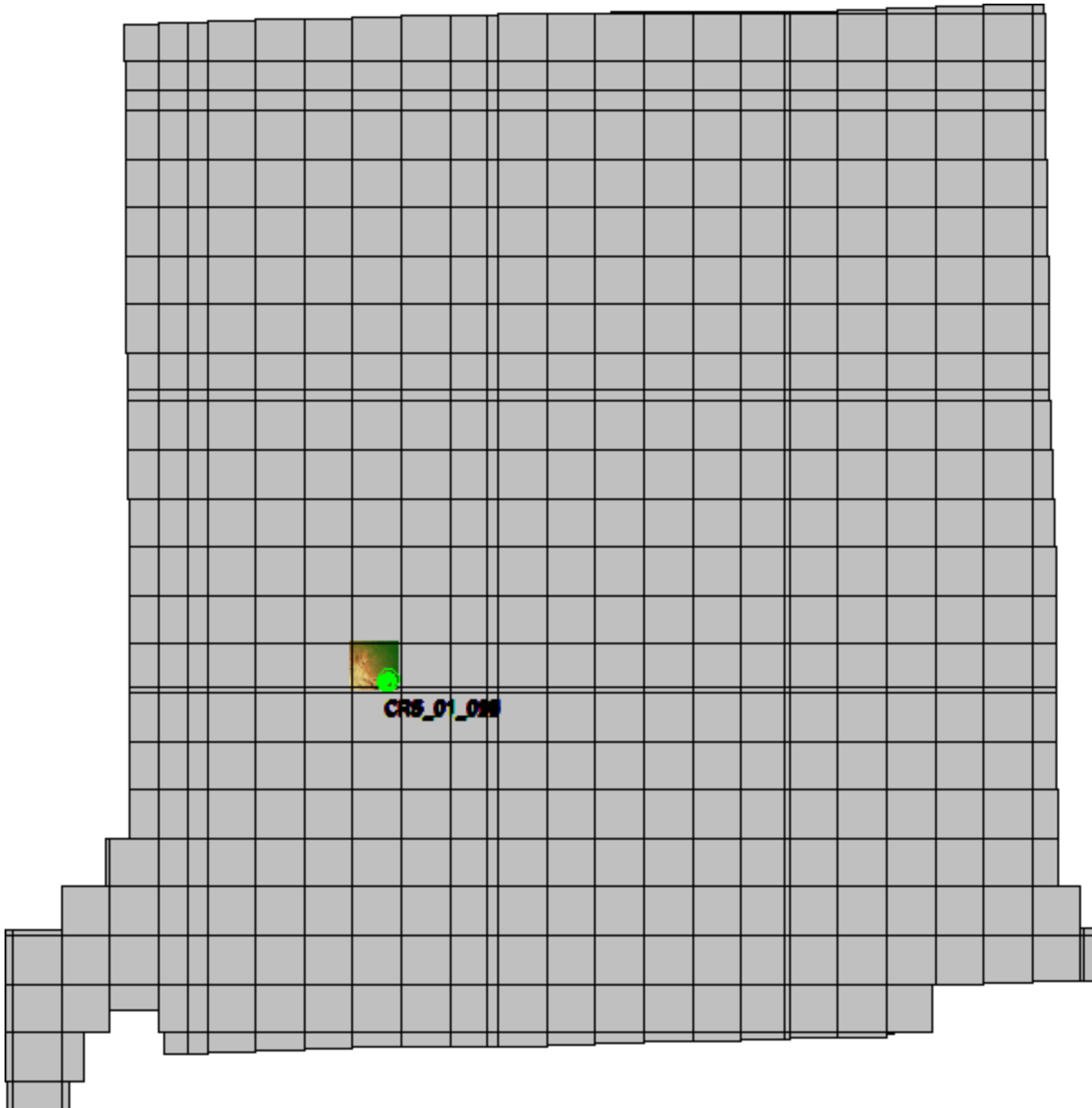
Path to Data: Z:\01_GCP\01_City of Casper\2015\4219_Natrona County\03_Casper_City_3Inch\03_Data_Repository

LAS:

Tile Index Attribute:

Path to Data:

Tiled-Data Area



LiDAR Accuracy Assessment Summary

LC Type	# of Points	FVA	SVA	CVA
DEM				
ALL	22	1.173	0.964	0.964
	22	1.173	0.964	0.964
Total	22			

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_01_001					
		1563645.935	1186246.629	5239.918	5240.576	NaN	
					0.658	NaN	
2)	<input checked="" type="checkbox"/>	CRS_01_002					
		1563620.923	1186232.658	5241.626	5242.119	NaN	
					0.493	NaN	
3)	<input checked="" type="checkbox"/>	CRS_01_003					
		1563611.909	1186226.338	5244.823	5245.292	NaN	
					0.469	NaN	
4)	<input checked="" type="checkbox"/>	CRS_01_004					
		1563606.108	1186222.814	5245.071	5245.807	NaN	
					0.736	NaN	
5)	<input checked="" type="checkbox"/>	CRS_01_005					
		1563600.4	1186218.564	5242.745	5243.705	NaN	
					0.96	NaN	
6)	<input checked="" type="checkbox"/>	CRS_01_006					
		1563596.761	1186215.288	5242.95	5243.365	NaN	
					0.415	NaN	
7)	<input checked="" type="checkbox"/>	CRS_01_007					
		1563590.761	1186210.393	5246.891	5246.775	NaN	
					-0.116	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_01_008					
		1563579.887	1186199.7	5247.676	5248.159	NaN	
					0.483	NaN	
9)	<input checked="" type="checkbox"/>	CRS_01_009					
		1563571.72	1186193.252	5250.979	5251.354	NaN	
					0.375	NaN	
10)	<input checked="" type="checkbox"/>	CRS_01_010					
		1563565.733	1186187.488	5249.48	5250.009	NaN	
					0.529	NaN	
11)	<input checked="" type="checkbox"/>	CRS_01_011					
		1563560.071	1186182.182	5252.811	5251.601	NaN	
					-1.21	NaN	
12)	<input checked="" type="checkbox"/>	CRS_01_012					
		1563531.638	1186159.387	5259.996	5260.14	NaN	
					0.144	NaN	
13)	<input checked="" type="checkbox"/>	CRS_01_013					
		1563491.404	1186115.42	5266.129	5266.52	NaN	
					0.391	NaN	
14)	<input checked="" type="checkbox"/>	CRS_01_014					
		1563477.427	1186096.277	5265.207	5266.171	NaN	
					0.964	NaN	

Coordinates and Offsets of Analyzed Locations (Continued)

	ID						
		Survey X	Survey Y	Z1	Z DEM	Z LAS	
				LC Type	ΔZ DEM	ΔZ LAS	
15)	<input checked="" type="checkbox"/>	CRS_01_015					
		1563466.666	1186075.405	5261.423	5262.176	NaN	
					0.753	NaN	
16)	<input checked="" type="checkbox"/>	CRS_01_016					
		1563458.84	1186058.457	5259.874	5260.537	NaN	
					0.663	NaN	
17)	<input checked="" type="checkbox"/>	CRS_01_017					
		1563441.53	1186027.353	5270.465	5270.156	NaN	
					-0.309	NaN	
18)	<input checked="" type="checkbox"/>	CRS_01_018					
		1563434.395	1186003.446	5271.291	5271.596	NaN	
					0.305	NaN	
19)	<input checked="" type="checkbox"/>	CRS_01_019					
		1563427.866	1185969.747	5263.364	5264.12	NaN	
					0.756	NaN	
20)	<input checked="" type="checkbox"/>	CRS_01_020					
		1563423.101	1185959.964	5263.749	5264.211	NaN	
					0.462	NaN	
21)	<input checked="" type="checkbox"/>	CRS_01_021					
		1563410.197	1185939.06	5268.566	5268.567	NaN	
					0.001	NaN	

Coordinates and Offsets of Analyzed Locations (Continued)

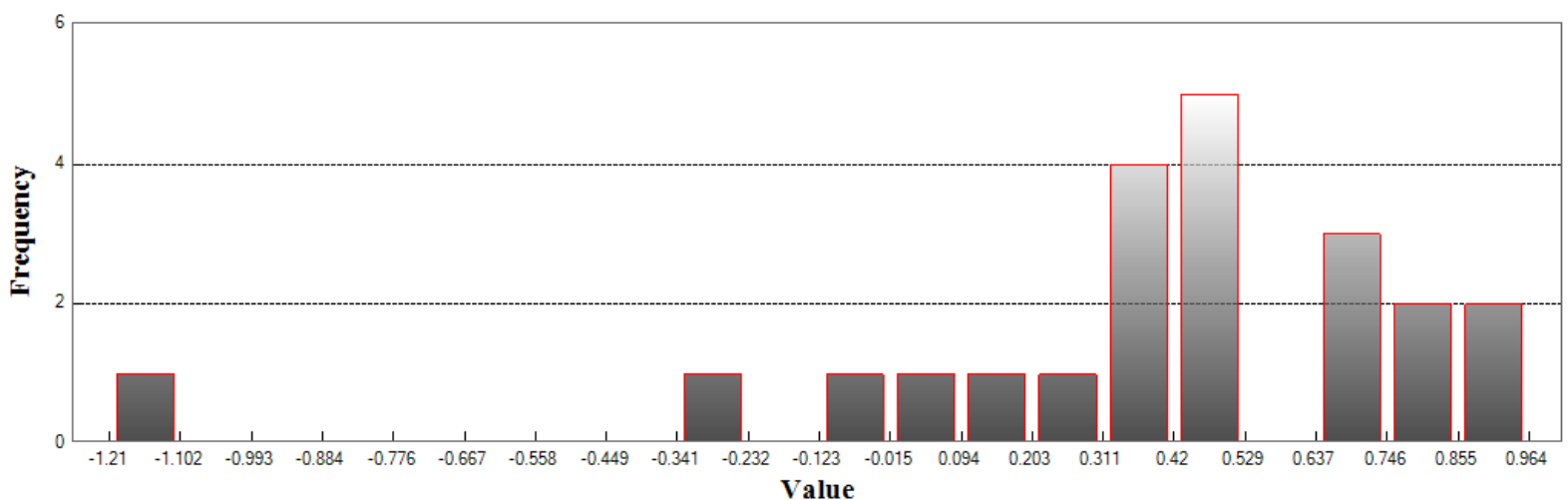
	ID					
		Survey X	Survey Y	Z1	Z DEM	Z LAS
				LC Type	ΔZ DEM	ΔZ LAS
22)	<input checked="" type="checkbox"/>	CRS_01_022				
		1563395.297	1185915.081	5269.073	5269.447	NaN
					0.374	NaN

DEM

Fundamental Vertical Accuracy

LandCover Type: ALL,
Minimum DZ: -1.21
Maximum DZ: 0.964
Mean DZ: 0.377
Mean Magnitude DZ: 0.725
Number Observations: 22
Standard Deviation DZ: 0.476
RMSE Z: 0.599
95% Confidence Level Z: 1.173
Units: US Survey Feet

Histogram



Min: -1.21

Max: 0.964

Number Of Bins: 20

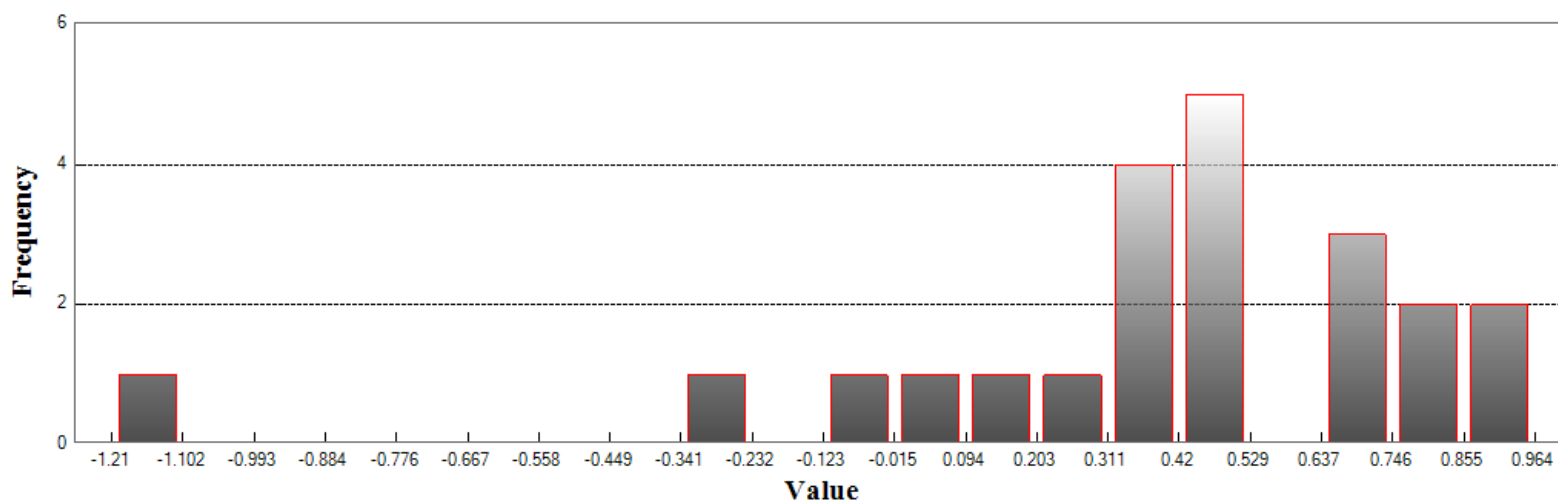
Bin Interval: 0.109

DEM (Continued)

Supplemental Vertical Accuracy

LandCover Type: ALL
Minimum DZ: -1.21
Maximum DZ: 0.964
Mean DZ: 0.377
Mean Magnitude DZ: 0.725
Number Observations: 22
Standard Deviation DZ: 0.476
RMSE Z: 0.599
95th Percentile: 0.964
Units: US Survey Feet

Histogram



Min: -1.21

Max: 0.964

Number Of Bins: 20

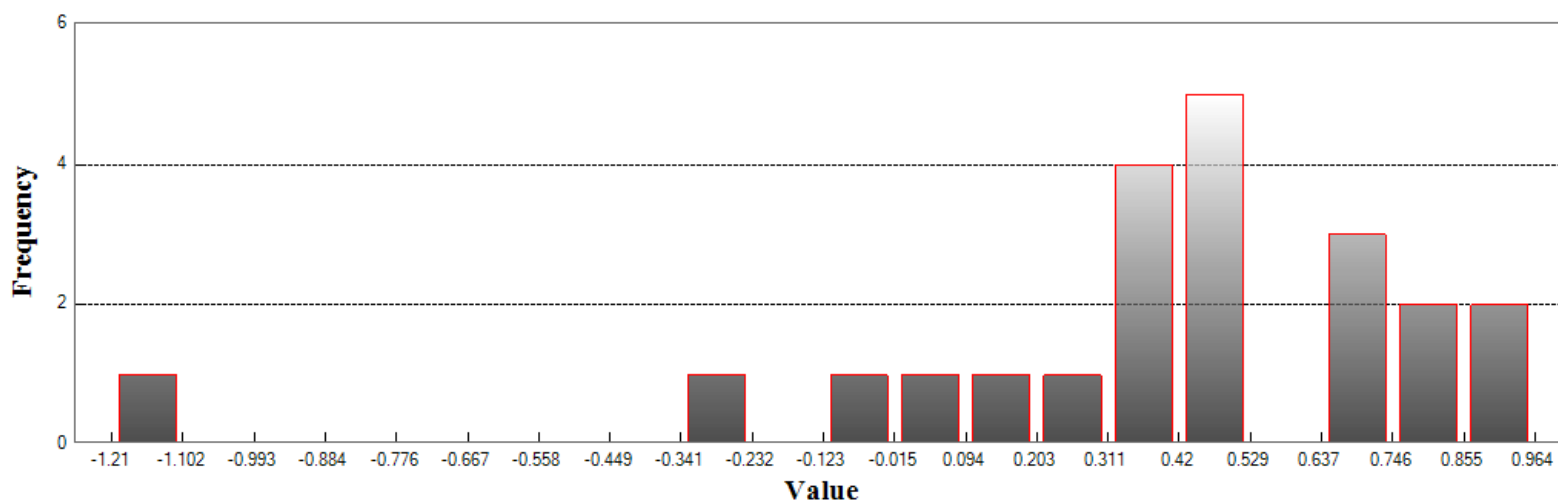
Bin Interval: 0.109

DEM (Continued)

Supplemental Vertical Accuracy

LandCover Type:
Minimum DZ: -1.21
Maximum DZ: 0.964
Mean DZ: 0.377
Mean Magnitude DZ: 0.725
Number Observations: 22
Standard Deviation DZ: 0.476
RMSE Z: 0.599
95th Percentile: 0.964
Units: US Survey Feet

Histogram



Min: -1.21

Max: 0.964

Number Of Bins: 20

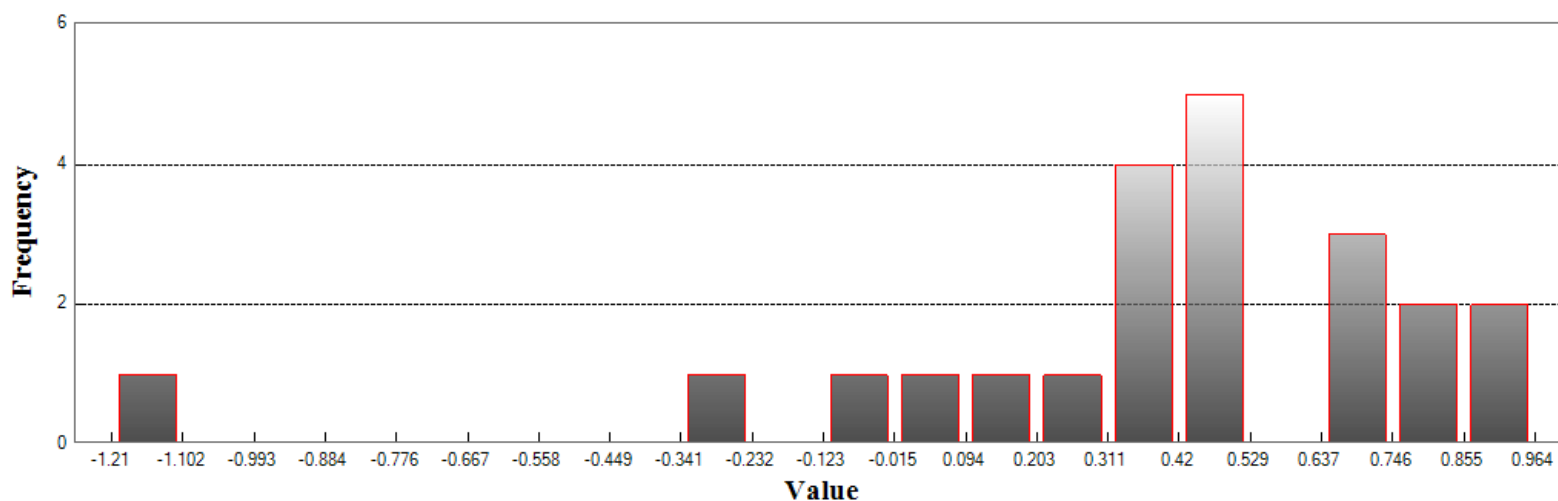
Bin Interval: 0.109

DEM (Continued)

Consolidated Vertical Accuracy

LandCover Type: ALL,
Minimum DZ: -1.21
Maximum DZ: 0.964
Mean DZ: 0.377
Mean Magnitude DZ: 0.725
Number Observations: 22
Standard Deviation DZ: 0.476
RMSE Z: 0.599
95th Percentile: 0.964
Units: US Survey Feet

Histogram



Min: -1.21

Max: 0.964

Number Of Bins: 20

Bin Interval: 0.109