

Prepared By: Mitchell Fyock
Project Name: City of Casper DEM, Cross Section 3
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

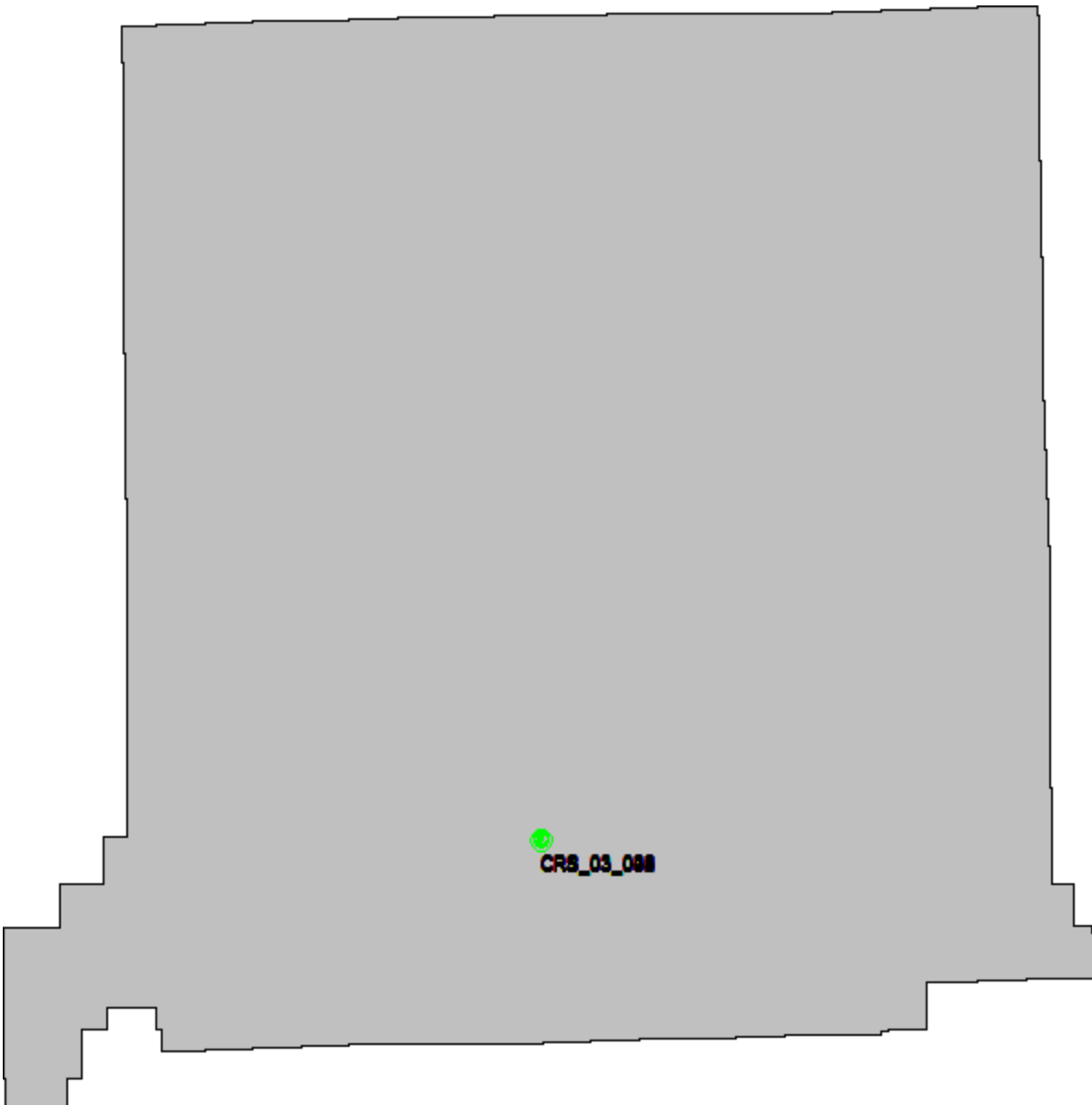
Tile Index:
Path: Z:\01_GCP\01_City of Casper\2015\4219_Natrona County\03_Casper_City_3Inch\03_Data_Repository
Number of Polys: 490

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_F

LAS:
Tile Index Attribute:
Path to Data:

Tiled-Data Area



LiDAR Accuracy Assessment Summary

LC Type	# of Points	FVA	SVA	CVA
DEM				
ALL	23	1.638	1.341	1.341
	23	1.638	1.341	1.341
Total	23			

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_03_001					
		1579862.618	1169618.663	5476.191	5475.88	NaN
					-0.311	NaN
2)	<input checked="" type="checkbox"/> CRS_03_002					
		1579864.315	1169646.767	5474.709	5474.333	NaN
					-0.376	NaN
3)	<input checked="" type="checkbox"/> CRS_03_003					
		1579866.494	1169658.264	5471.854	5469.897	NaN
					-1.957	NaN
4)	<input checked="" type="checkbox"/> CRS_03_004					
		1579869.358	1169690.474	5456.308	5455.291	NaN
					-1.017	NaN
5)	<input checked="" type="checkbox"/> CRS_03_005					
		1579868.117	1169702.46	5452.373	5452.031	NaN
					-0.342	NaN
6)	<input checked="" type="checkbox"/> CRS_03_006					
		1579866.276	1169712.081	5451.044	5449.695	NaN
					-1.349	NaN
7)	<input checked="" type="checkbox"/> CRS_03_007					
		1579866.029	1169715.953	5448.969	5449.316	NaN
					0.347	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_03_008					
		1579868.388	1169735.611	5449.07	5449.713	NaN
					0.643	NaN
9)	<input checked="" type="checkbox"/> CRS_03_009					
		1579868.522	1169737.564	5451.038	5450.018	NaN
					-1.02	NaN
10)	<input checked="" type="checkbox"/> CRS_03_010					
		1579869.454	1169741.074	5451.799	5450.628	NaN
					-1.171	NaN
11)	<input checked="" type="checkbox"/> CRS_03_011					
		1579869.886	1169744.981	5450.97	5451.949	NaN
					0.979	NaN
12)	<input checked="" type="checkbox"/> CRS_03_012					
		1579869.29	1169749.499	5452.901	5453.527	NaN
					0.626	NaN
13)	<input checked="" type="checkbox"/> CRS_03_013					
		1579870.079	1169760.27	5455.252	5456.34	NaN
					1.088	NaN
14)	<input checked="" type="checkbox"/> CRS_03_014					
		1579872.02	1169772.852	5458.877	5459.186	NaN
					0.309	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_03_015				
		1579873.253	1169797.507	5461.727	5462.148	NaN
					0.421	NaN
16)	<input checked="" type="checkbox"/>	CRS_03_016				
		1579873.653	1169815.865	5468.078	5469.348	NaN
					1.27	NaN
17)	<input checked="" type="checkbox"/>	CRS_03_017				
		1579873.89	1169869.365	5497.17	5497.518	NaN
					0.348	NaN
18)	<input checked="" type="checkbox"/>	CRS_03_018				
		1579873.82	1169879.196	5498.515	5498.508	NaN
					-0.007	NaN
19)	<input checked="" type="checkbox"/>	CRS_03_019				
		1579872.228	1169934.999	5498.189	5497.798	NaN
					-0.391	NaN
20)	<input checked="" type="checkbox"/>	CRS_03_020				
		1579872.769	1169947.296	5496.751	5496.064	NaN
					-0.687	NaN
21)	<input checked="" type="checkbox"/>	CRS_03_021				
		1579872.316	1169961.053	5491.255	5490.718	NaN
					-0.537	NaN

Coordinates and Offsets of Analyzed Locations (Continued)

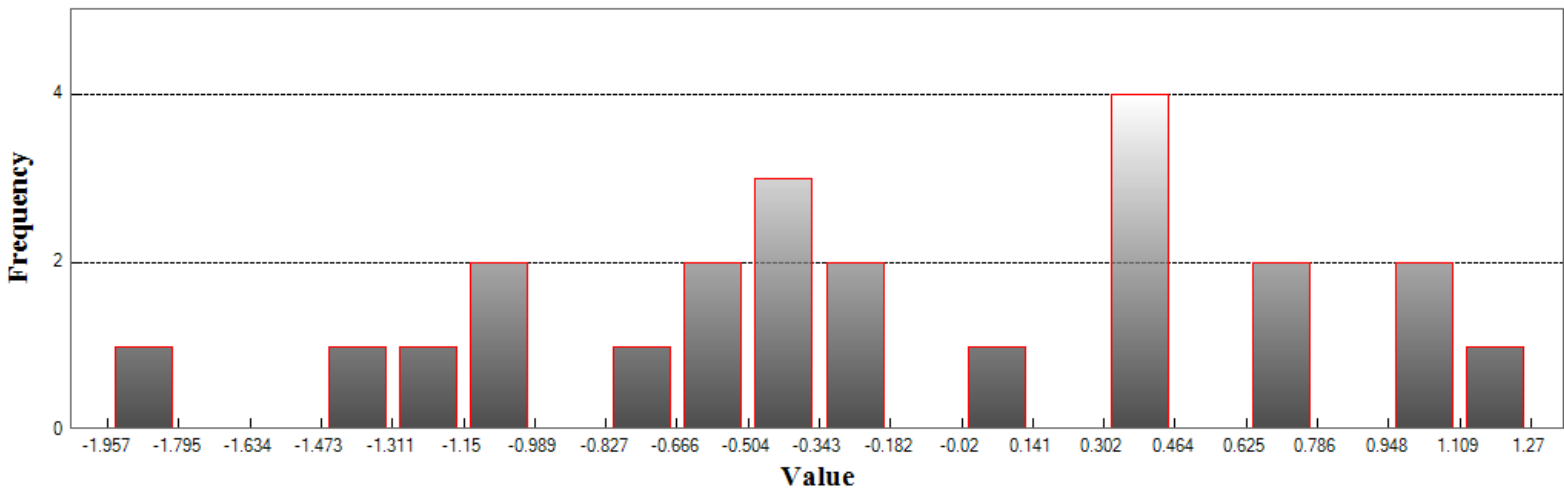
ID						
		Survey X	Survey Y	Z1	Z DEM	Z LAS
				LC Type	ΔZ DEM	ΔZ LAS
22)	<input checked="" type="checkbox"/> CRS_03_022					
		1579872.542	1169975.062	5488.595	5487.952	NaN
					-0.643	NaN
23)	<input checked="" type="checkbox"/> CRS_03_023					
		1579873.891	1169995.133	5479.517	5479.054	NaN
					-0.463	NaN

DEM

Fundamental Vertical Accuracy

LandCover Type: ALL,
Minimum DZ: -1.957
Maximum DZ: 1.27
Mean DZ: -0.184
Mean Magnitude DZ: 0.842
Number Observations: 23
Standard Deviation DZ: 0.834
RMSE Z: 0.836
95% Confidence Level Z: 1.638
Units: US Survey Feet

Histogram



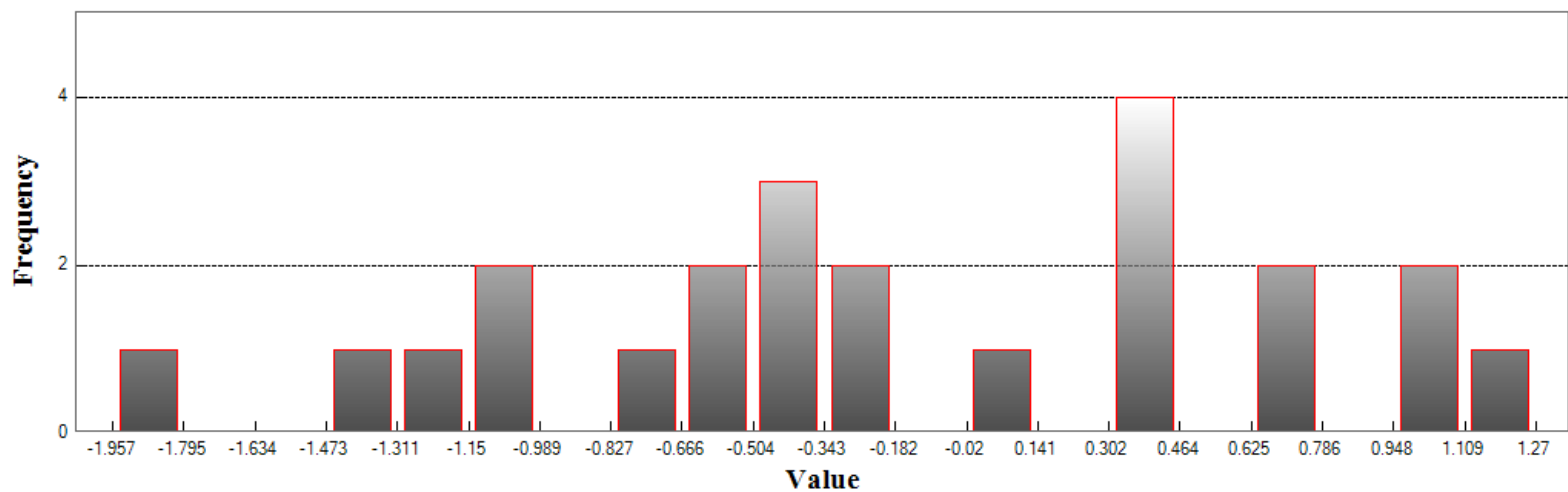
Min: -1.957
Max: 1.27
Number Of Bins: 20
Bin Interval: 0.161

DEM (Continued)

Supplemental Vertical Accuracy

LandCover Type: ALL
Minimum DZ: -1.957
Maximum DZ: 1.27
Mean DZ: -0.184
Mean Magnitude DZ: 0.842
Number Observations: 23
Standard Deviation DZ: 0.834
RMSE Z: 0.836
95th Percentile: 1.341
Units: US Survey Feet

Histogram



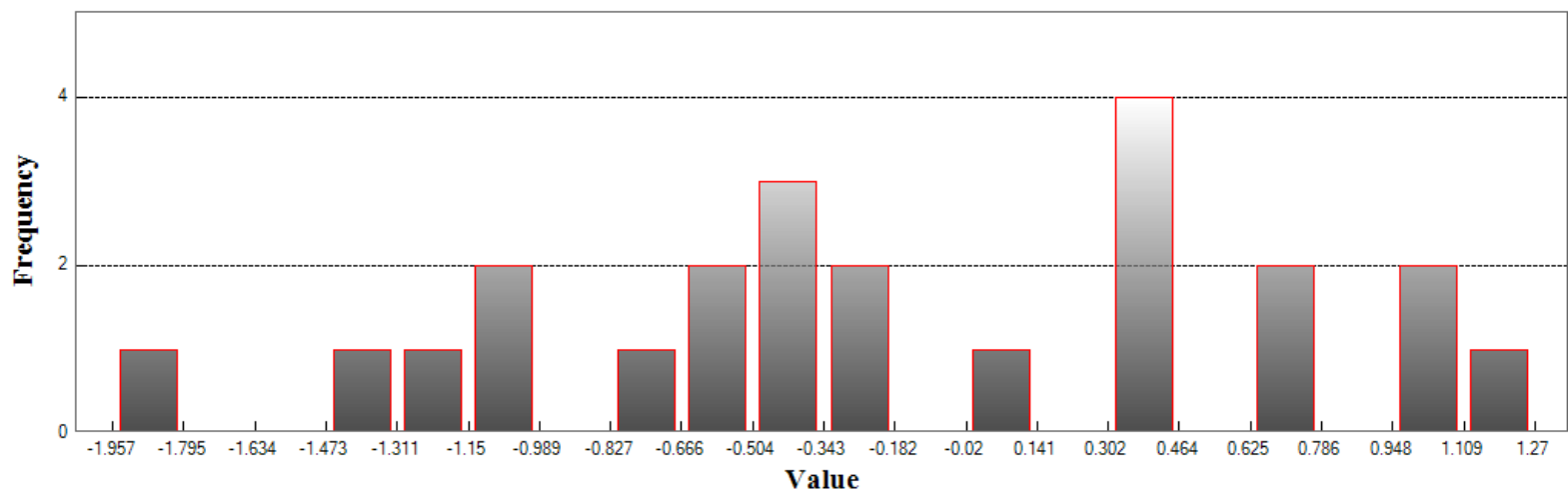
Min: -1.957
Max: 1.27
Number Of Bins: 20
Bin Interval: 0.161

DEM (Continued)

Supplemental Vertical Accuracy

LandCover Type:
Minimum DZ: -1.957
Maximum DZ: 1.27
Mean DZ: -0.184
Mean Magnitude DZ: 0.842
Number Observations: 23
Standard Deviation DZ: 0.834
RMSE Z: 0.836
95th Percentile: 1.341
Units: US Survey Feet

Histogram



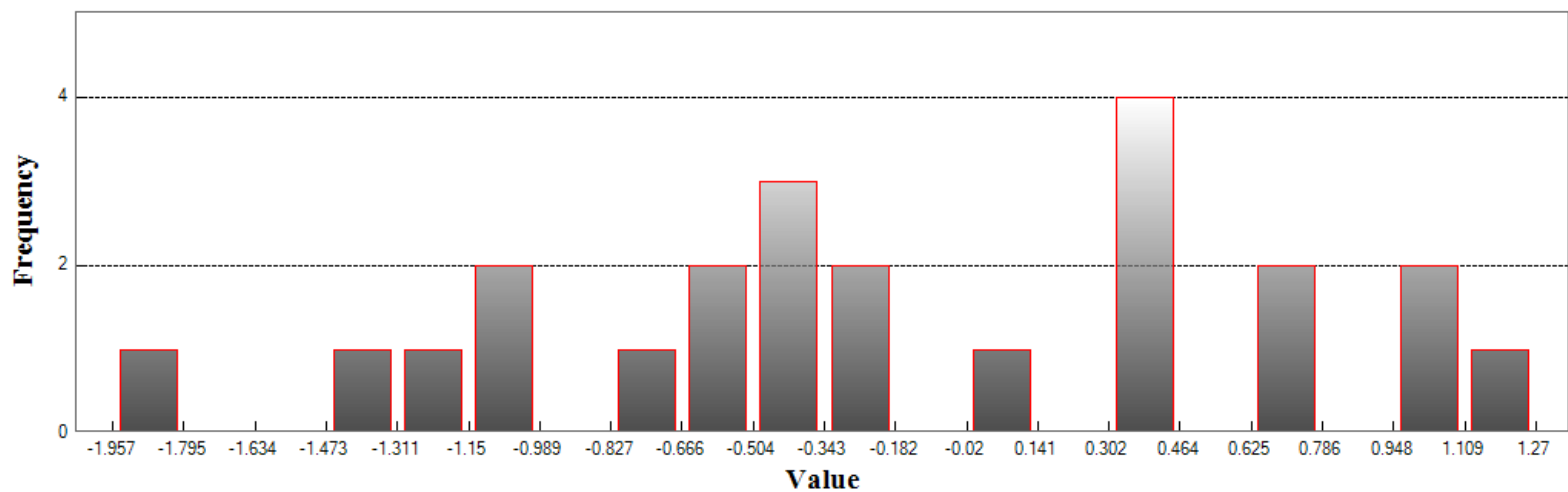
Min: -1.957
Max: 1.27
Number Of Bins: 20
Bin Interval: 0.161

DEM (Continued)

Consolidated Vertical Accuracy

LandCover Type: ALL,
Minimum DZ: -1.957
Maximum DZ: 1.27
Mean DZ: -0.184
Mean Magnitude DZ: 0.842
Number Observations: 23
Standard Deviation DZ: 0.834
RMSE Z: 0.836
95th Percentile: 1.341
Units: US Survey Feet

Histogram



Min: -1.957
Max: 1.27
Number Of Bins: 20
Bin Interval: 0.161