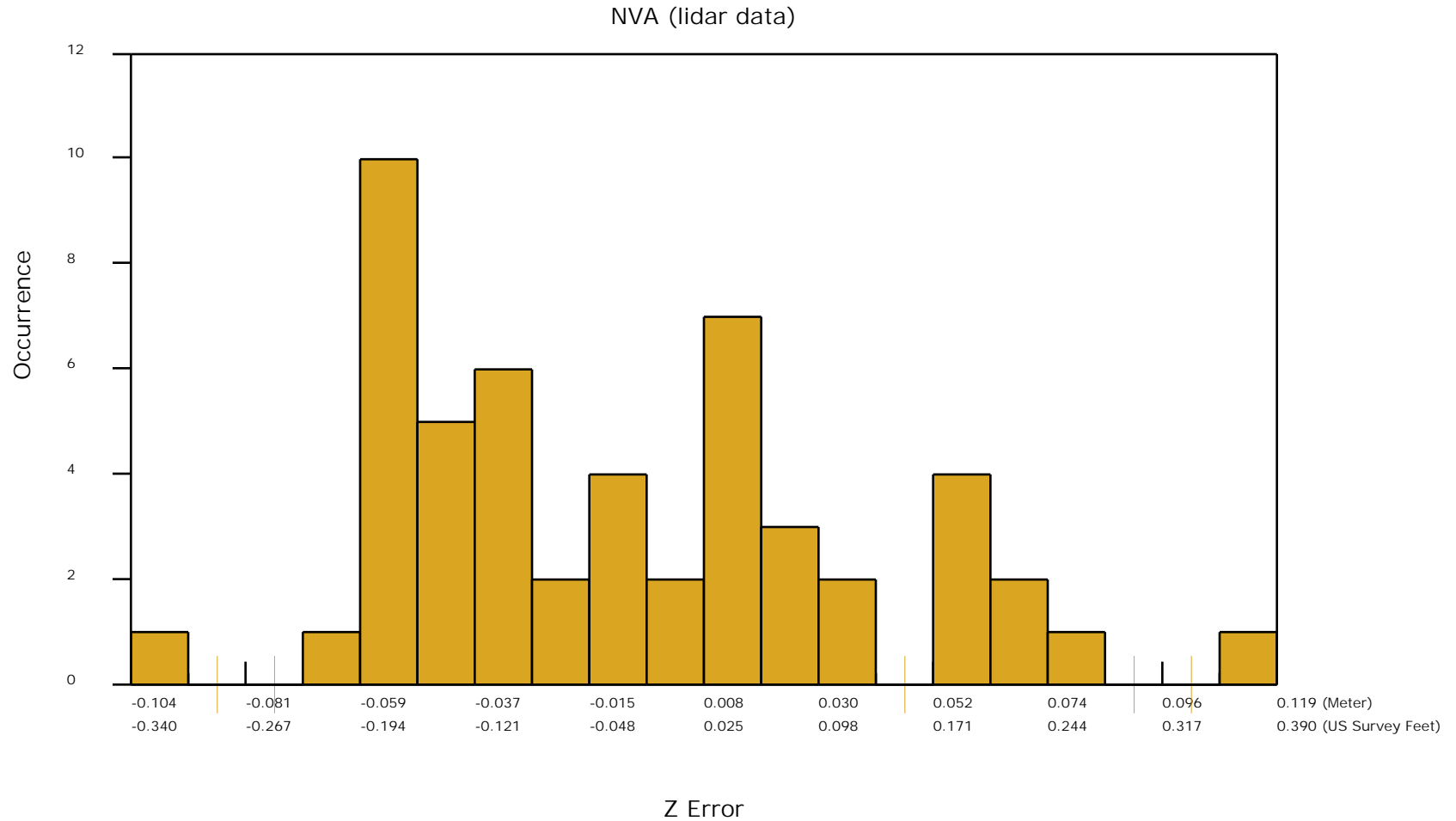


DPH-11 Report on Absolute Vertical Accuracy - continued

The purpose of this section is to show a frequency distribution chart of the non-vegetated vertical accuracy (NVA) of the lidar point cloud data measured against surveyed ground check points.

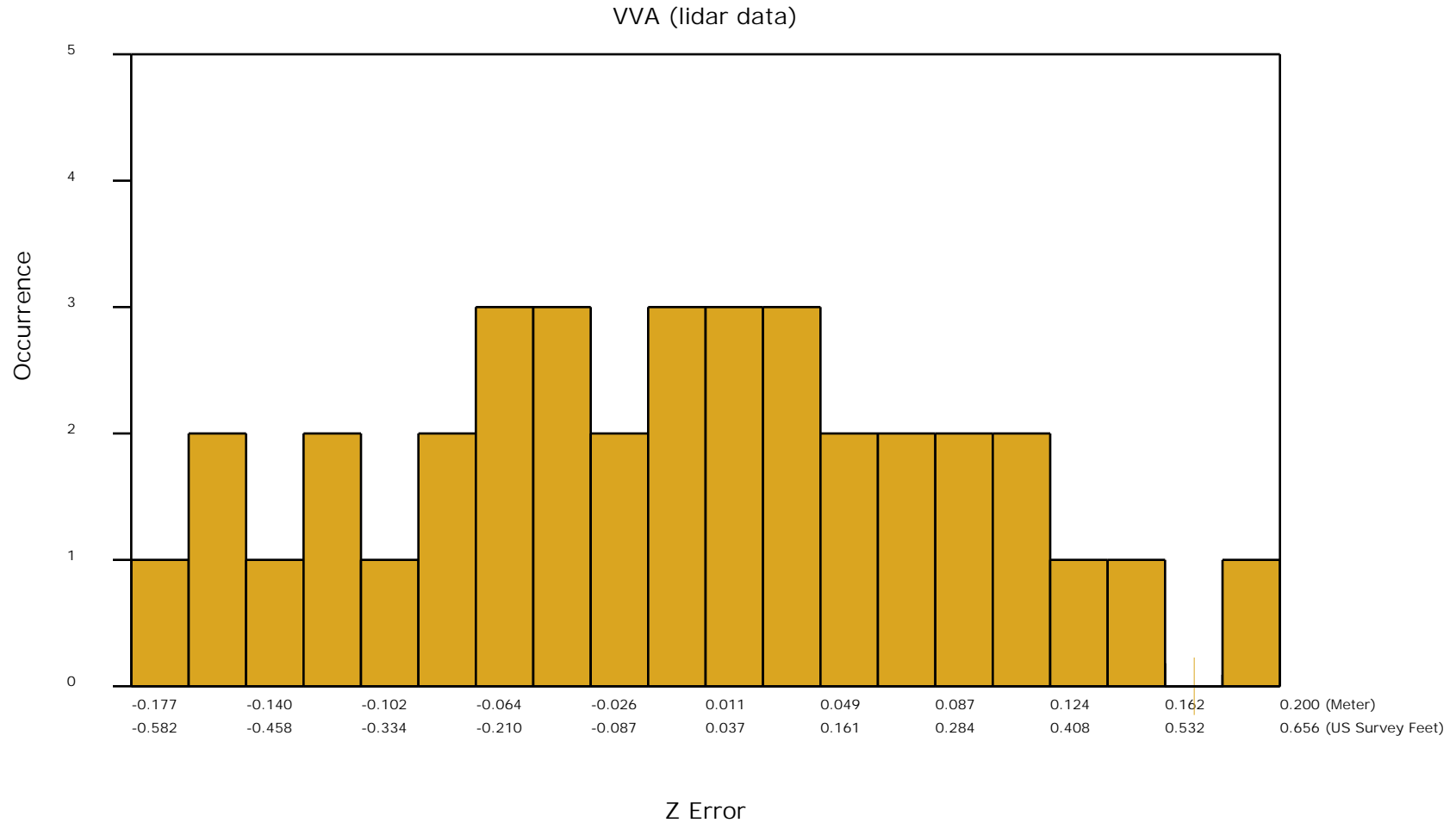
[Data Source - D:\00_ISGS_East\Client_LAS](#)



DPH-11 Report on Absolute Vertical Accuracy - continued

The purpose of this section is to show a frequency distribution chart of the vegetated vertical accuracy (VVA) of the lidar point cloud data measured against surveyed ground check points.

[Data Source - D:\00_ISGS_East\Client_LAS](#)



DPH-11 Report on Absolute Vertical Accuracy - continued

The purpose of this section is to report the results of measuring the DEM data against surveyed ground NVA (nonvegetated vertical accuracy) check points. All XY coordinates and Z values reported are in the selected data units.

NVA (DEM)

ID	X	Y	Coverage	Z	Z From Lidar	Z Error	Description	Comments
5001	868878.36	1234248.85	Yes	690.11	690.007	-0.103		
5006	877542	1378312.67	Yes	865.29	865.150	-0.140		
5008	947072.71	1156693.48	Yes	681.79	682.174	0.384		
5014	935976.22	1291459.61	Yes	727.42	727.256	-0.164		
5023	842273.69	1311968.25	Yes	795.46	795.484	0.024		
5026	927797.74	1420954.32	Yes	777.57	777.611	0.041		
5028	761102.75	1427487.92	Yes	769.65	769.473	-0.177		
5033	918170.34	1185941.69	Yes	684.4	684.398	-0.002		
5035	903643.05	1485279.83	Yes	708.33	708.222	-0.108		
5036	827261.36	1452375.06	Yes	741.11	741.084	-0.026		
5042	921216.34	1252602.63	Yes	698.99	698.877	-0.113		
5045	873781.09	1173543.58	Yes	728.34	728.177	-0.163		
5049	896965.07	1306414.13	Yes	730.32	730.396	0.076		
5050	812351.28	1398252.85	Yes	798.05	798.268	0.218		
5055	865429.91	1338608.01	Yes	768.39	768.454	0.064		
5055A	856171.74	1344356.63	Yes	796.32	796.368	0.048		
5061	930653.54	1338429.85	Yes	789.58	789.665	0.085		
5066	838227.54	1259784.6	Yes	729.2	729.146	-0.054		
5066A	856083.86	1273761.45	Yes	731.48	731.434	-0.046		
5068	803118.33	1328587.7	Yes	740.17	740.369	0.199		
5072	773985.17	1250409.73	Yes	650.09	649.726	-0.364		
5073	801272.11	1435859.71	Yes	760.99	761.186	0.196		
5073A	799719.49	1451463.34	Yes	737.65	737.796	0.146		
5074	766616.77	1347501.26	Yes	699.21	699.262	0.052		
5080	836541.89	1358280.8	Yes	794.8	795.081	0.281		
5091	911564.56	1140726.97	Yes	674.51	674.601	0.091		
5094	916318.12	1223648.38	Yes	663.91	664.005	0.095		
5095	877460.22	1295658.45	Yes	736.65	736.491	-0.159		
5095A	875689.49	1286237.64	Yes	701.4	701.224	-0.176		
5099	878166.26	1484725.49	Yes	712.08	711.881	-0.199		

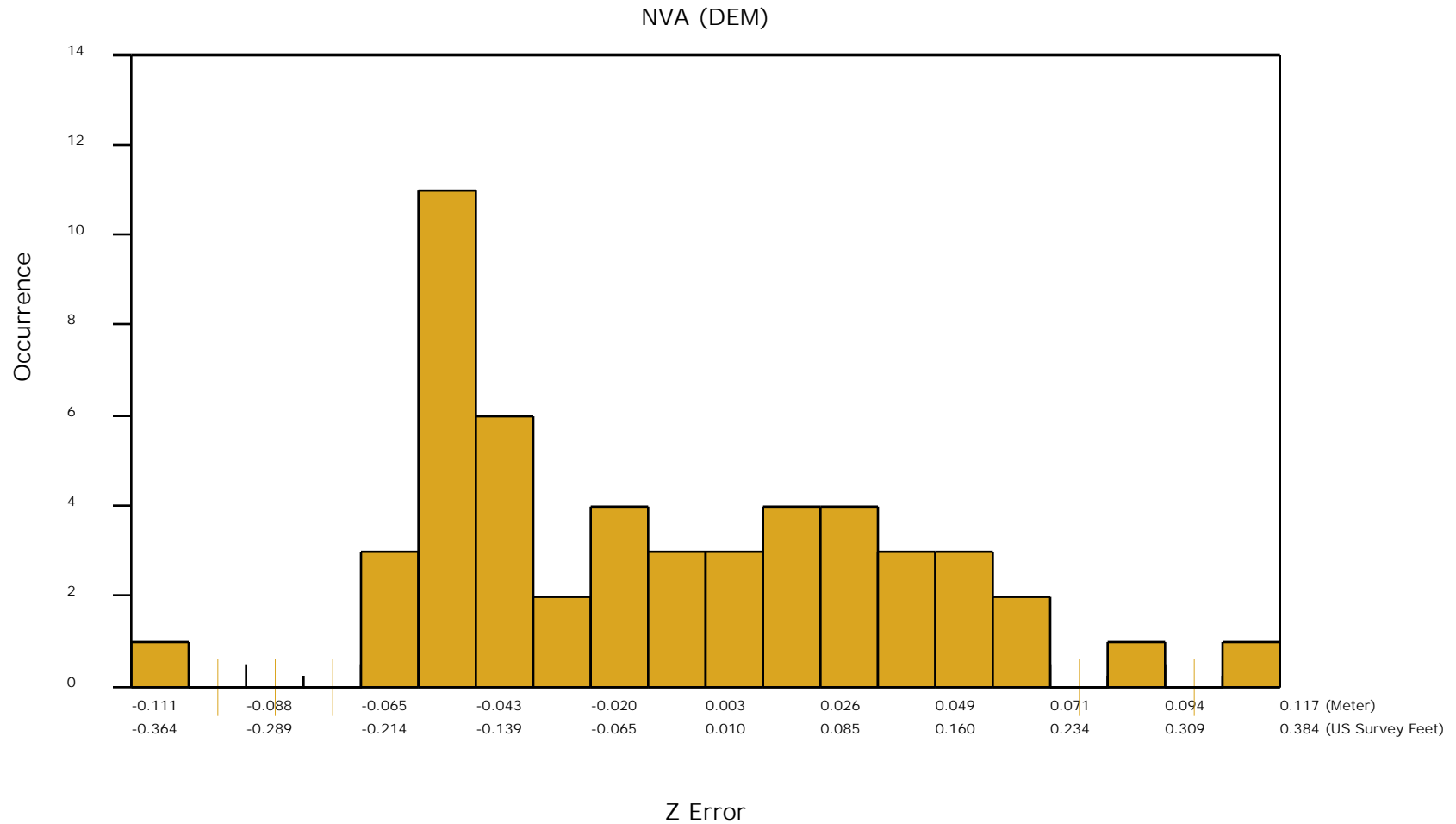
Check Points Vertical Accuracy - continued

ID	X	Y	Coverage	Z	Z From Lidar	Z Error	Description	Comments
5099A	802057.9	1419137.99	Yes	833.18	833.322	0.142		
5104	906134.2	1420596.25	Yes	749.18	749.075	-0.105		
5105	856625.64	1448742.2	Yes	733.53	733.352	-0.178		
5106	738003.12	1373370.04	Yes	678.21	678.096	-0.114		
5117	801299.68	1375514.67	Yes	853.87	854.030	0.160		
5121	750707.83	1329823.43	Yes	711.36	711.366	0.006		
5122	933157.34	1375084.15	Yes	855.83	855.655	-0.175		
5142A	933007.04	1270926.98	Yes	706.06	706.019	-0.041		
5143	803920.68	1272172.87	Yes	717.18	717.017	-0.163		
5145	897832.05	1281667.81	Yes	724.73	724.573	-0.157		
5145A	890697.61	1281679.81	Yes	724.99	725.177	0.187		
5152	825910.18	1367562.89	Yes	886.41	886.426	0.016		
5154	826480.64	1421092.85	Yes	778.89	779.024	0.134		
5156	901253.7	1378141.37	Yes	884.39	884.224	-0.166		
5159	873911.71	1218409.3	Yes	688.25	688.159	-0.091		
5161	948972.3	1193362.36	Yes	679.07	678.924	-0.146		
5162	763055.82	1302298.21	Yes	725.28	725.372	0.092		
5165	937442.33	1252810.25	Yes	717.8	717.644	-0.156		
5172	772753.02	1395424.02	Yes	788.86	788.809	-0.051		
5173	890814.73	1446994.93	Yes	743.61	743.508	-0.102		
5174	898107.94	1260372.18	Yes	698.36	698.254	-0.106		

DPH-11 Report on Absolute Vertical Accuracy - continued

The purpose of this section is to show a frequency distribution chart of the non-vegetated vertical accuracy (NVA) of the DEM data measured against surveyed ground check points.

[Data Source - D:\00_ISGS_East\Client_LAS](#)



DPH-11 Report on Absolute Vertical Accuracy - continued

The purpose of this section is to report the results of measuring the DEM data against surveyed ground VVA (vegetated vertical accuracy) check points. All XY coordinates and Z values reported are in the selected data units.

VVA (DEM)

ID	X	Y	Coverage	Z	Z From Lidar	Z Error	Description	Comments
6001	873967.99	1219194.46	Yes	689.42	689.648	0.228		
6006	877524.36	1378971.74	Yes	865.73	865.267	-0.463		
6008	945339.98	1143468.88	Yes	663.71	663.787	0.077		
6014	937258.55	1290608.17	Yes	727.55	727.372	-0.178		
6023	806657.1	1272162.9	Yes	702.27	702.427	0.157		
6026	925644.92	1420924.09	Yes	767.81	768.369	0.559		
6028	763399.7	1426743.25	Yes	763.19	763.529	0.339		
6033	916221.26	1188092.27	Yes	685.97	685.968	-0.002		
6035	902493.52	1485316.36	Yes	700.25	700.195	-0.055		
6036	819019.04	1454903.49	Yes	737.1	737.168	0.068		
6042	922509.43	1239287.34	Yes	671.77	671.553	-0.217		
6045	872381.76	1175144.09	Yes	740.22	740.675	0.455		
6049	898950.79	1305228.14	Yes	722.36	722.190	-0.170		
6050	808906.69	1394971.98	Yes	797.05	797.353	0.303		
6055	868657.63	1338708.77	Yes	773.37	773.265	-0.105		
6055A	856138.65	1344289.09	Yes	794.47	795.148	0.678		
6061	929963.07	1337659.3	Yes	791.35	791.420	0.070		
6061A	901874.94	1377277.68	Yes	875.71	875.734	0.024		
6066	856070.86	1273741.09	Yes	730.98	730.940	-0.040		
6066A	869347.94	1281136.31	Yes	731.87	732.166	0.296		
6068	797577.85	1328405.91	Yes	705.31	705.035	-0.275		
6072	774000.01	1250343.09	Yes	649.75	649.379	-0.371		
6073	801331.65	1434407.25	Yes	769.77	769.849	0.079		
6073A	799756.14	1451475.27	Yes	736.04	736.448	0.408		
6074	766618.62	1349249.4	Yes	698.56	698.293	-0.267		
6080	835535.21	1358551.79	Yes	798.53	798.340	-0.190		
6091	912301.38	1140686.97	Yes	672.22	672.274	0.054		
6094	917146.64	1228305.75	Yes	668.68	668.272	-0.408		
6095	875698.78	1286282.8	Yes	702.68	702.194	-0.486		
6095A	897665.03	1281736.21	Yes	720.67	720.903	0.233		

Check Points Vertical Accuracy - continued

ID	X	Y	Coverage	Z	Z From Lidar	Z Error	Description	Comments
6099	877974.65	1485037.99	Yes	711.21	711.030	-0.180		
6104	906495.29	1421563.56	Yes	755.79	755.703	-0.087		
6105	861276.49	1450410.59	Yes	739.57	739.741	0.171		
6106	737231.88	1372188.77	Yes	668.7	668.077	-0.623		
6117	802416.11	1384591.96	Yes	824.62	825.019	0.399		
6121	749458.84	1329719.72	Yes	716.19	716.097	-0.093		
6122	930380.26	1364508.7	Yes	777.58	777.700	0.120		

DPH-11 Report on Absolute Vertical Accuracy - continued

The purpose of this section is to show a frequency distribution chart of the vegetated vertical accuracy (VVA) of the DEM data measured against surveyed ground check points.

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