

August 27, 2015
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Field Survey Report of LiDAR and Imagery Ground Control & QC Points

Southeastern Wisconsin 2015
LiDAR and Elevation Data Project
and Orthophotography Project
Quantum Spatial Project No. 26119



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Presented by



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Project Procedure Summary

Project Description

Quantum Spatial Incorporated was contracted by SEWRPC to field survey LiDAR calibration control points and quality control points in support of the Southeastern Wisconsin 2015 LiDAR and Elevation project. Photo identifiable controls points were also surveyed for the Southeastern Wisconsin 2015 Orthophotography project. There are 100 calibration points throughout the project area for LiDAR and 37 for imagery. There are 100 quality control points located within the non-vegetated (NVA) and vegetated (VVA) land accuracy classes throughout the project area.

Field Procedure

All field work was accomplished from April 22 to May 8, 2015. A RTN GPS survey was performed using a Leica GS15 GNSS receiver connected to the WISCORS network. Each quality control point was set on a flat surface at least five meters away from any significant elevation change. Each point determined by RTN was observed at least twice. The RTN derived coordinates and estimated standard deviations for each measurement were compared and recorded. Data sheet information for each point was gathered including point type, general location, occupation time, equipment used, and photographs. Final coordinates and RMSE values were filled in later in the office.

Office Procedure

Upon completion of the field survey, the observations were input into Leica Geo Office (LGO). Individual measurements for common points were analyzed and averaged. The final coordinate values were then output in the proper projection and format.

Reporting Procedure

The North American Datum of 1983 (NAD83 (2011)), Wisconsin State Plane Coordinate System - South Zone projection was used for reporting the horizontal coordinates in US Foot. The vertical elevations are North American Vertical Datum of 1988 (NAVD 88) utilizing the GEOID12A model and are reported in US Foot.

The Horizontal RMSE at the 95% confidence level is 0.017 ft.
The Elevation RMSE at the 95% confidence level is 0.011 ft.
The 3-Dimensional RMSE at the 95% confidence level is 0.020 ft.

The above statistics are relative to the WISCORS RTN network which is fixed to the NAD83/11 datum. Statistics computed from direct observations of existing published control monumentation can be found on the following pages.

NAD83/11, NAVD88 Comparison
US Foot

Survey derived NAD83/11,NAVD88		
Easting	Northing	Elevation

Published NAD83/11,NAVD88		
Easting	Northing	Elevation

Misclosure		
vE	vN	vZ

Published coordinates as reported by NGS

ADDISON E GPS	2424799.65	525035.89	1173.70
BROWN DEER W	2490187.71	429702.95	789.23
EAGLE E GPS	2381273.49	328981.70	952.72
FRANKLIN S GPS	2514554.56	324680.74	726.49
HOLLAND S GPS	2543360.85	575219.04	742.72
JACKSON GPS	2451747.23	482633.43	864.55
LYONS N GPS	2407196.84	242323.44	851.03
MUSKEGO E GPS	2483540.35	321434.34	779.16
NEW FANE GPS	2456717.68	567752.06	1067.11
OAK CREEK E GPS	2544719.36	332300.36	672.59
PORT WASH C GPS	2531041.56	521405.27	727.60
SHARON C GPS	2318163.01	202375.40	955.61
WAUKESHA GPS	2442914.30	355833.17	840.46
WAUWATOSA	2500764.97	444071.19	707.04
WHITEWATER GPS	2317322.03	302306.15	844.20

2424799.55	525035.99	1173.70
2490187.69	429702.94	789.25
2381273.44	328981.65	952.74
2514554.51	324680.77	726.55
2543360.81	575219.09	742.76
2451747.18	482633.34	864.51
2407196.85	242323.40	851.04
2483540.27	321434.25	779.18
2456717.60	567752.17	1067.06
2544719.38	332300.41	672.70
2531041.52	521405.29	727.69
2318162.99	202375.44	955.54
2442914.39	355833.20	840.52
2500764.88	444071.24	706.85
2317321.99	302306.16	844.16

0.10	-0.09	0.006
0.02	0.02	-0.025
0.05	0.05	-0.02
0.04	-0.02	-0.05
0.03	-0.05	-0.04
0.05	0.09	0.045
0.00	0.04	-0.01
0.08	0.08	-0.011
0.08	-0.11	0.059
-0.02	-0.05	-0.11
0.04	-0.02	-0.089
0.01	-0.03	0.07
-0.09	-0.03	-0.06
0.09	-0.05	0.19
0.04	0.00	0.04

RMSE	0.06	0.06	0.07
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**NAD27, NGVD29 Comparison
US Foot**

Transformed NAD27,NGVD29		
Easting	Northing	Elevation

Published NAD27,NGVD29		
Easting	Northing	Elevation

Misclosure		
vE	vN	vZ

Published coordinates as reported by SEWRPC (dossier 1220-29)

SW1, T12, R20	2514377.04	562612.44	802.30
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2514376.77	562612.14	802.34
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0.27	0.30	-0.04
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Published coordinates as reported by NGS (superceded)

JACKSON	2500999.48	487970.09	892.24
LANNON	2491874.53	418619.84	994.04
RUBICON	2436667.08	492503.04	1072.08
YERKES	2389084.81	211590.85	1040.87

2500998.91	487970.40	
2491874.17	418620.40	
2436666.42	492503.25	1072.00
2389084.97	211590.90	

0.57	-0.31	
0.36	-0.55	
0.66	-0.21	0.08
-0.16	-0.05	

Published coordinates as reported in SEWRPC Technical Report #49, Bidirectional Transformation of Legacy and Current Survey Control Data within Southeastern Wisconsin, May 2010

ADDISON E GPS	2456337.75	525029.40	1173.79
BROWN DEER W GPS	2521726.08	429693.35	789.46
EAGLE E GPS	2412809.88	328972.86	952.92
FRANKLIN S GPS	2546091.70	324670.23	726.89
HOLLAND S GPS	2574901.13	575212.22	743.03
JACKSON GPS	2483285.41	482625.92	864.62
LYONS N GPS	2438733.70	242313.97	851.30
MUSKEGO E GPS	2515077.23	321424.10	779.48
NEW FANE GPS	2488256.62	567745.92	1067.21
OAK CREEK E GPS	2576256.84	332289.53	673.07
PORT WASHINGTON C GPS	2562581.21	521397.76	727.93
SHARON C GPS	2349700.02	202366.99	955.80
WAUKESHA GPS	2474451.55	355823.78	840.75
WAUWATOSA	2532303.49	444062.85	707.02
WHITEWATER GPS	2348859.86	302297.15	844.37

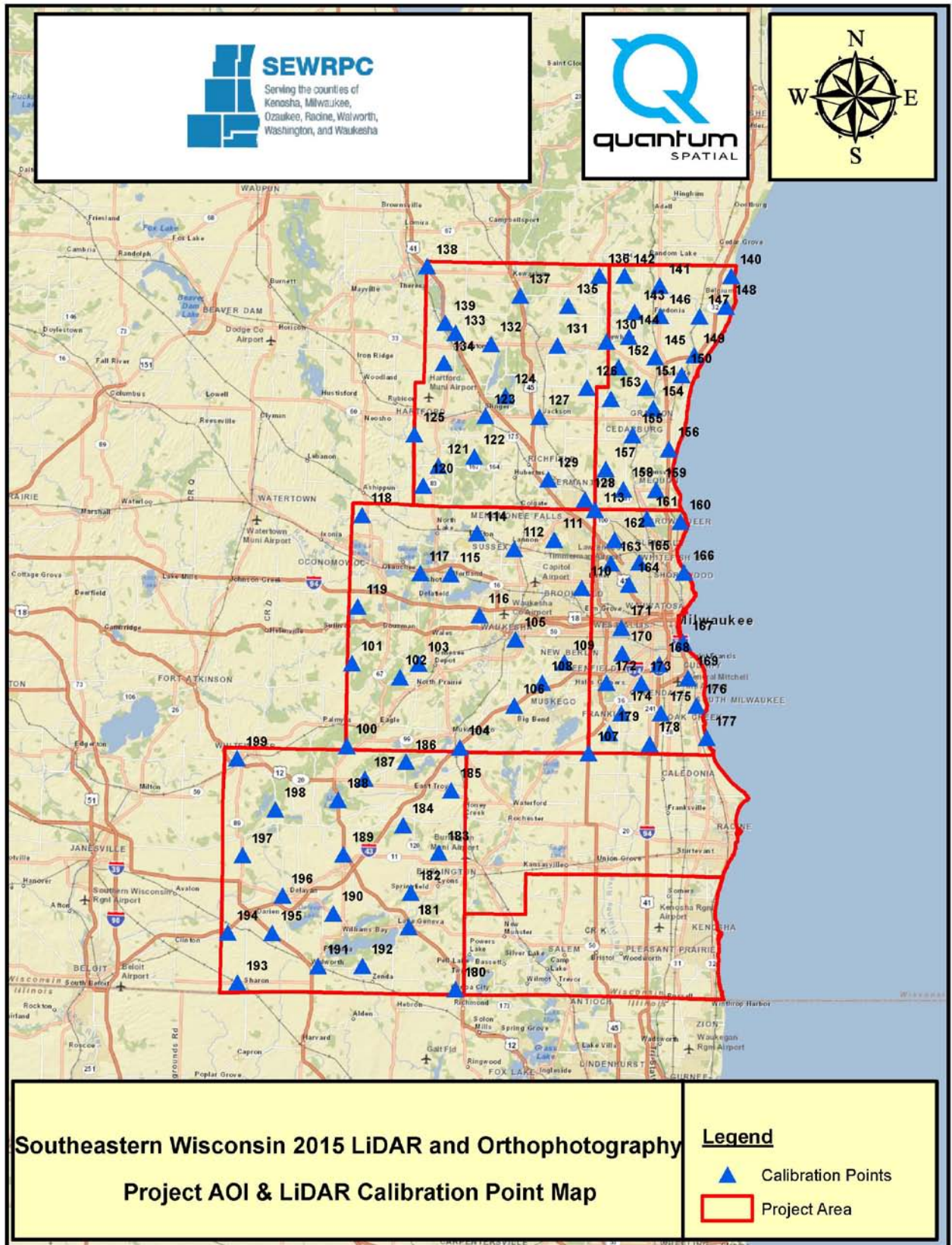
2456337.75	525029.73	1173.72
2521725.78	429693.51	789.39
2412810.72	328972.03	952.80
2546091.10	324670.25	726.83
2574900.76	575212.59	742.99
2483285.01	482626.11	864.50
2438733.75	242314.19	851.27
2515077.09	321423.90	779.45
2488256.16	567745.79	1067.09
2576256.32	332289.12	672.89
2562580.65	521397.86	727.90
2349700.18	202367.04	955.75
2474451.75	355823.42	840.64
2532303.11	444061.73	707.00
2348859.41	302297.89	844.19

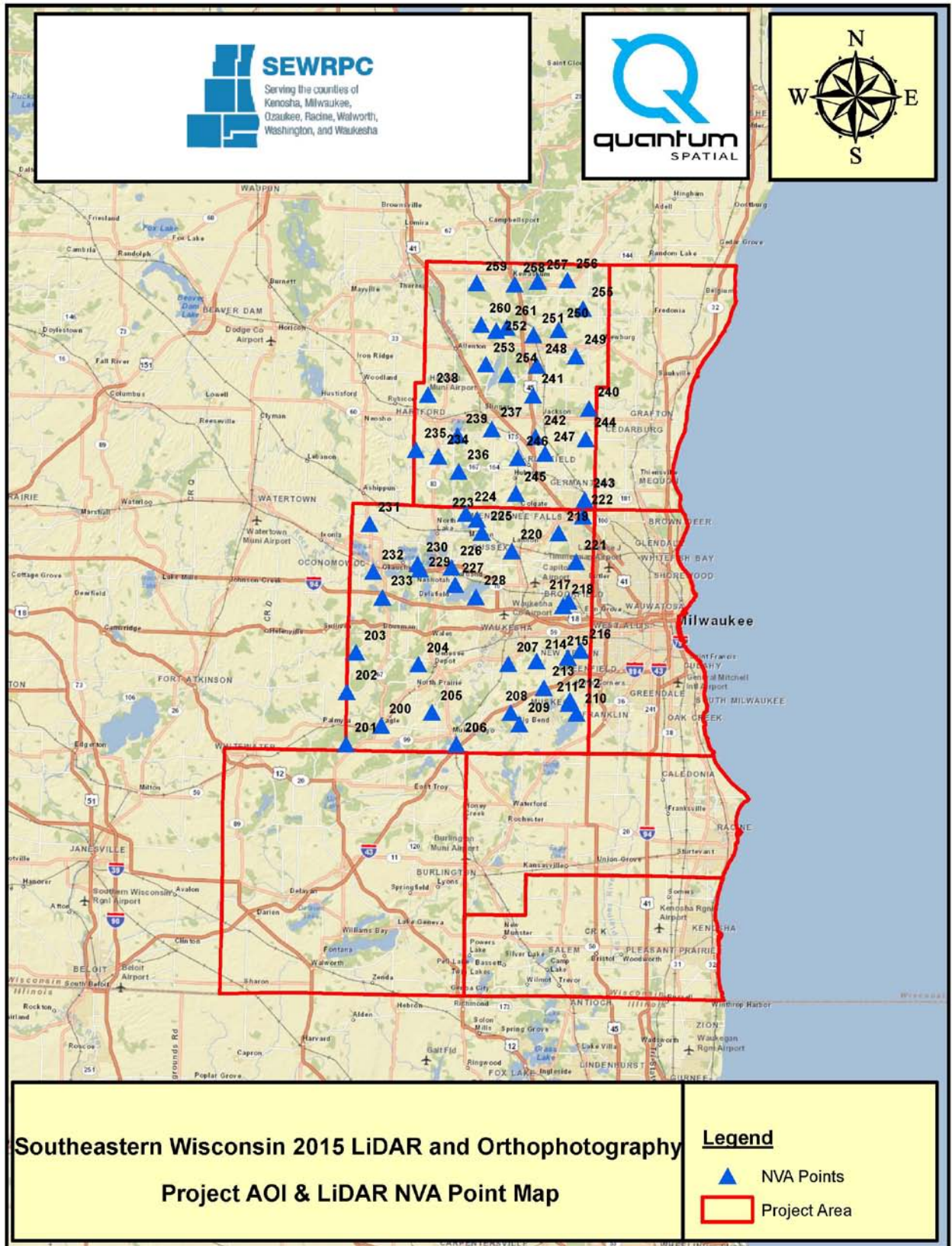
0.00	-0.33	0.07
0.30	-0.16	0.07
-0.84	0.83	0.12
0.60	-0.02	0.06
0.37	-0.37	0.04
0.40	-0.19	0.12
-0.05	-0.22	0.03
0.14	0.20	0.04
0.46	0.13	0.11
0.52	0.41	0.18
0.56	-0.10	0.03
-0.16	-0.05	0.05
-0.20	0.36	0.10
0.38	1.12	0.02
0.45	-0.74	0.18

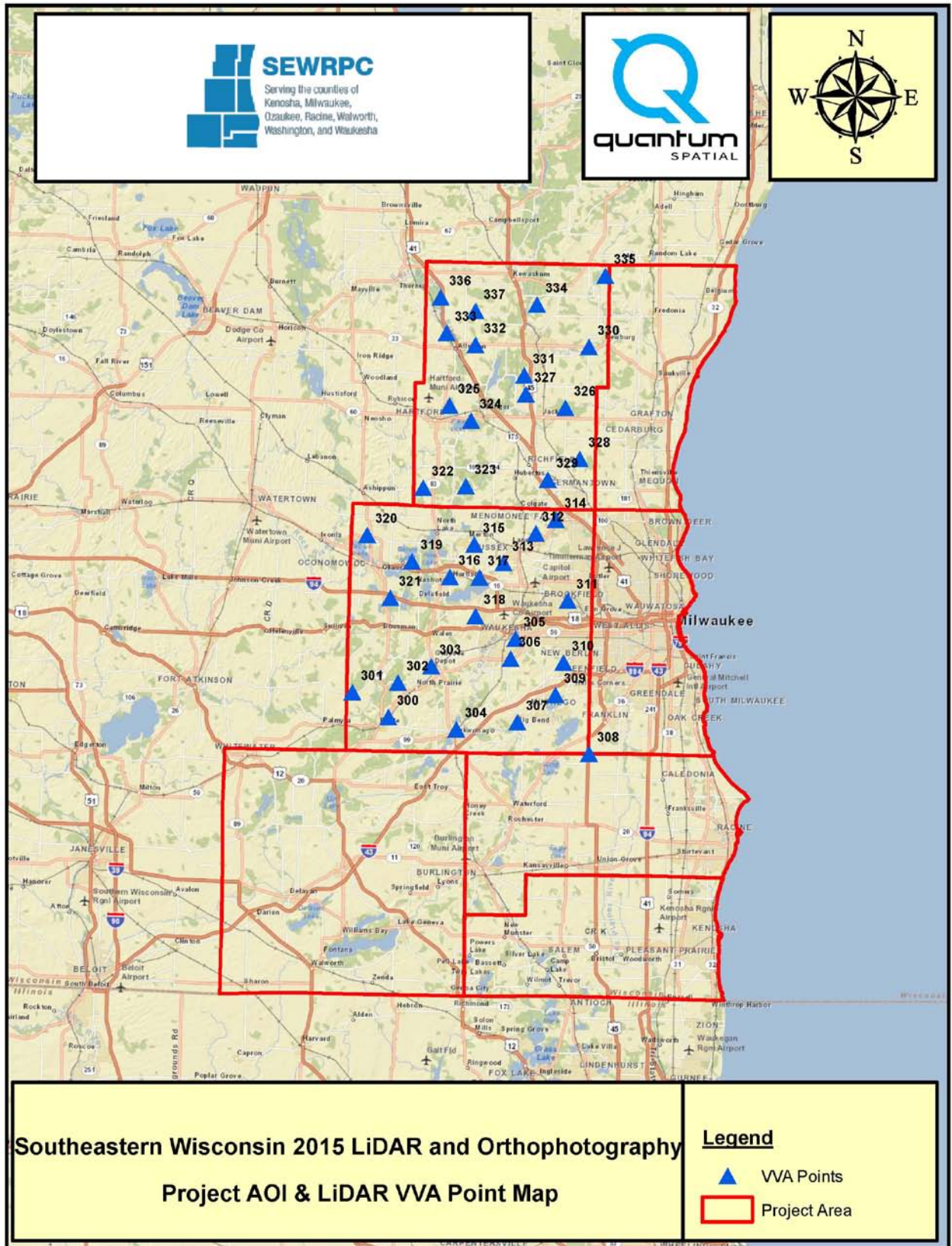
RMSE:	0.43	0.43	0.09
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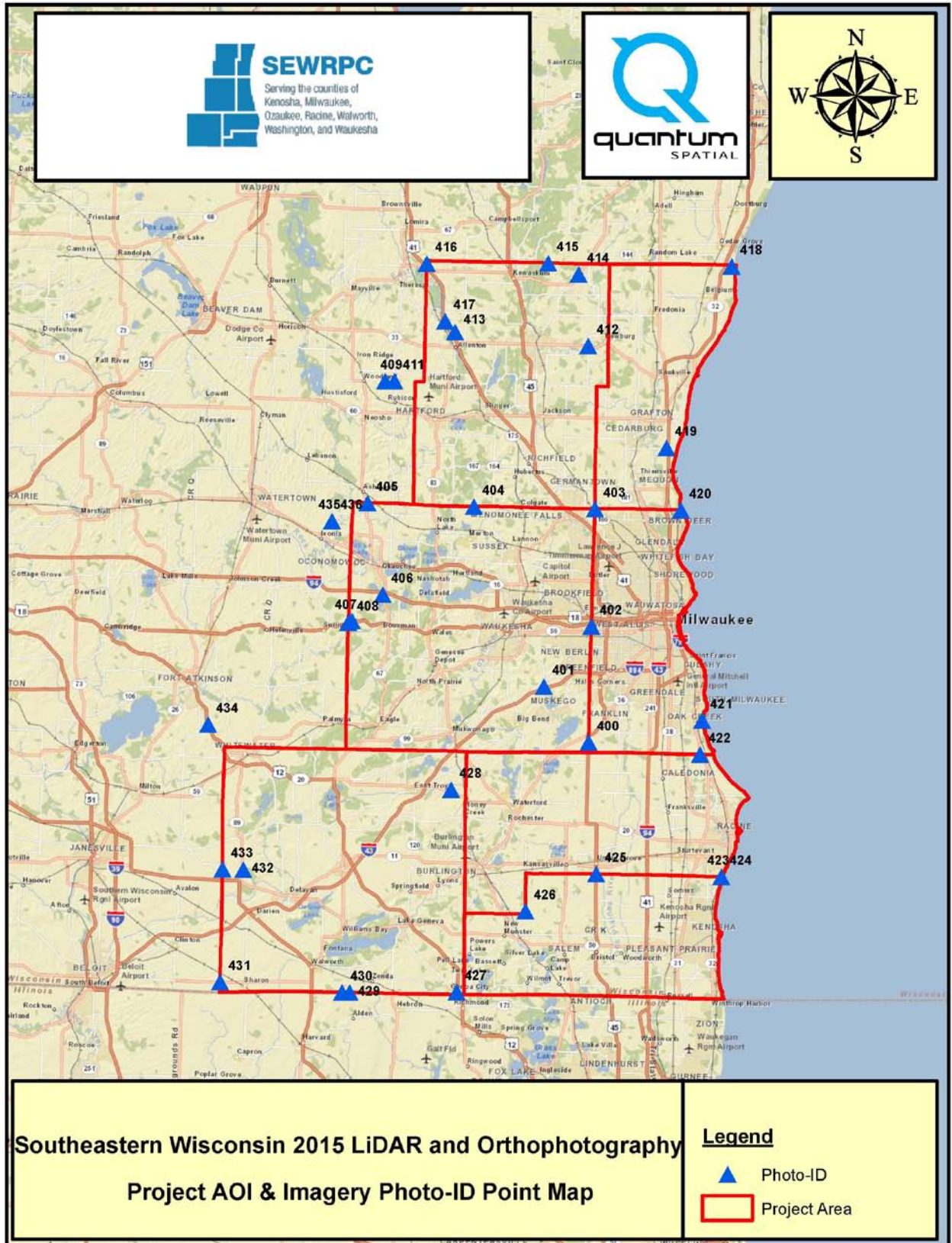


Project AOI & Point Maps











*NAD83/11, NAVD88
Final Point Coordinates*



LiDAR Calibration Point Coordinates

Horizontal Datum - NAD83(2011)
Wisconsin State Plane - South Zone
Vertical Datum - NAVD 88
Geoid - GEOID12A
Units – US Foot

POINT_ID	Northing	Easting	Elevation
100	2360124.763	312732.283	929.992
101	2361238.568	355996.974	900.218
102	2386444.883	349557.852	1006.713
103	2395944.442	356926.315	986.765
104	2418903.271	314077.919	829.397
105	2445907.248	371555.821	863.514
106	2446561.265	336789.592	948.152
107	2486132.307	313377.759	821.644
108	2460750.519	349180.117	1030.750
109	2471777.717	360409.054	919.659
110	2479515.510	399489.227	768.459
111	2464315.305	423994.491	856.384
112	2443577.571	418557.263	923.307
113	2484902.266	440490.354	766.235
114	2423954.545	426153.223	954.705
115	2410992.825	404129.140	906.294
116	2426700.319	383284.849	976.454
117	2395037.549	404204.497	956.304
118	2363563.333	433461.864	869.973
119	2363084.411	385688.665	867.516
120	2395000.805	449945.716	983.873
121	2402501.278	460370.094	1022.891
122	2421027.813	465950.387	1119.658
123	2426040.571	487253.998	1099.296
124	2436231.780	498172.354	1172.908
125	2389355.071	476498.802	978.788
126	2478562.656	503969.383	880.774



127	2454347.680	487836.972	871.889
128	2479457.379	445608.951	846.155
129	2460046.926	455435.243	910.383
130	2487892.762	528420.042	832.062
131	2462257.188	525438.754	884.873
132	2427701.635	524995.500	1168.240
133	2408857.967	530074.299	1061.808
134	2403534.263	514162.530	974.445
135	2467106.290	546334.312	879.890
136	2482842.532	562620.984	802.039
137	2441968.567	550679.197	937.217
138	2392866.593	564298.948	994.084
139	2403356.234	535184.613	967.304
140	2551627.868	564770.118	651.330
141	2514582.105	558510.336	860.373
142	2496030.270	563010.662	861.764
143	2501841.920	544256.461	795.497
144	2499443.024	531311.009	900.292
145	2513628.125	521148.887	795.711
146	2515438.566	542635.979	846.261
147	2535813.520	543177.371	737.415
148	2549405.030	548820.791	681.664
149	2533976.963	522865.650	735.535
150	2527586.211	512212.204	744.516
151	2509300.024	505077.954	788.224
152	2494545.407	515231.150	878.457
153	2491122.226	498644.899	848.631
154	2513420.813	494460.378	768.130
155	2503206.880	480052.042	797.804
156	2522421.761	473506.087	683.208
157	2489729.818	461886.425	810.148
158	2499281.423	451623.062	766.178
159	2516459.487	452083.877	697.528
160	2529764.593	435821.283	667.663
161	2512143.903	436860.983	653.385
162	2495730.137	425272.891	722.519
163	2494336.168	412761.379	735.495
164	2504110.451	402154.829	705.787
165	2509103.582	413939.111	675.304
166	2532633.744	409463.252	673.581
167	2533513.920	372906.779	589.903



168	2521410.160	361222.764	663.958
169	2536665.418	354561.422	673.397
170	2501719.259	366275.317	736.619
171	2500991.583	379598.101	708.136
172	2494135.036	350514.004	795.692
173	2512297.034	350963.854	787.114
174	2502524.258	334984.310	730.922
175	2523169.554	335564.859	717.295
176	2541608.266	340236.768	660.962
177	2547481.230	323585.357	594.971
178	2517888.000	319479.149	732.843
179	2496555.038	324246.767	777.243
180	2421165.298	187982.242	876.035
181	2395726.152	219614.328	878.709
182	2395998.428	237542.529	843.809
183	2409986.915	258794.872	907.407
184	2390941.262	272530.366	831.480
185	2415161.681	291571.776	814.170
186	2391166.615	305595.121	896.088
187	2370034.052	295892.634	920.108
188	2356477.969	284348.170	916.513
189	2360170.287	256268.316	985.399
190	2355973.416	225224.329	1006.800
191	2349155.964	197335.714	1010.755
192	2372331.391	198430.589	1039.669
193	2307386.709	187361.153	971.388
194	2301446.576	213281.331	928.837
195	2324499.922	213906.865	971.516
196	2329339.096	233534.562	928.776
197	2307656.241	253829.460	944.874
198	2323951.048	278281.091	951.926
199	2302944.166	304115.423	871.647



LiDAR NVA Check Point Coordinates

Horizontal Datum - NAD83(2011)
Wisconsin State Plane - South Zone
Vertical Datum - NAVD 88
Geoid - GEOID12A
Units – US Foot

POINT_ID	Northing	Easting	Elevation
200	2377463.853	324290.277	947.895
201	2359604.940	313973.853	939.132
202	2358990.491	341302.133	895.340
203	2362990.747	362109.762	852.237
204	2395806.942	356937.453	986.883
205	2403842.563	332213.432	949.488
206	2417000.063	316004.589	810.995
207	2442726.707	358872.793	826.097
208	2444724.015	333427.140	934.355
209	2449535.474	327528.019	814.246
210	2479114.447	334222.295	793.000
211	2475111.769	339341.338	801.452
212	2475433.118	341025.861	825.161
213	2461583.896	347085.072	877.825
214	2457461.165	360896.794	977.969
215	2473488.979	363252.197	904.897
216	2480083.100	367161.672	851.604
217	2472995.523	392560.761	827.430
218	2470036.924	390116.010	909.882
219	2466364.283	427898.333	885.629
220	2442477.257	417729.331	914.961
221	2476064.135	413170.420	782.964
222	2478753.159	437169.322	766.288
223	2423608.884	433496.703	1041.315
224	2417755.214	436405.724	1057.480
225	2426370.761	426680.733	988.006
226	2411214.483	408052.456	933.994
227	2413539.131	399196.994	987.519
228	2424430.360	392991.643	887.480
229	2394781.456	406290.058	918.773



230	2393511.788	409286.753	933.543
231	2367749.570	429075.620	880.597
232	2370581.823	404419.448	864.136
233	2375863.098	391007.111	882.260
234	2402309.615	465733.151	1050.418
235	2390458.868	468550.863	1008.640
236	2413252.109	458074.248	1221.975
237	2429800.699	480788.530	1107.404
238	2395740.082	497413.942	1073.312
239	2411831.104	476722.006	1016.966
240	2479889.135	493258.780	871.568
241	2450564.014	499046.365	982.900
242	2452511.717	477437.455	914.838
243	2479423.757	445672.088	847.464
244	2478840.351	477356.254	874.974
245	2443451.711	447805.867	980.656
246	2443812.587	466235.213	1003.358
247	2457861.287	469126.394	887.742
248	2451784.156	514842.761	994.011
249	2472113.488	520236.944	892.226
250	2462548.386	533697.086	903.075
251	2449611.860	530541.335	1000.930
252	2430188.352	532195.851	1190.332
253	2425285.227	514382.759	1162.710
254	2436643.615	509412.445	1026.987
255	2474901.857	545147.697	843.838
256	2466262.182	559634.223	913.047
257	2450911.330	558435.020	984.627
258	2438935.891	556655.279	949.595
259	2419073.533	556616.133	1037.965
260	2422039.922	534925.037	1022.000
261	2435432.612	533878.912	1053.898



LiDAR VVA Check Point Coordinates

Horizontal Datum - NAD83(2011)
Wisconsin State Plane - South Zone
Vertical Datum - NAVD 88
Geoid - GEOID12A
Units – US Foot

POINT_ID	Northing	Easting	Elevation
300	2381244.711	328879.078	945.426
301	2362000.588	341124.715	875.994
302	2385589.398	347054.796	1020.246
303	2402411.290	356227.323	960.667
304	2416822.005	323803.864	851.200
305	2445817.578	372056.609	855.554
306	2443701.580	361604.731	825.171
307	2448557.569	328558.730	830.587
308	2486313.789	313440.791	822.513
309	2467778.130	343526.883	835.914
310	2471326.038	360417.292	908.587
311	2472554.415	392879.015	829.719
312	2454600.776	427250.473	932.491
313	2438203.435	411308.303	891.390
314	2464673.910	434754.344	874.928
315	2422739.032	420214.964	1011.279
316	2410544.522	402865.492	904.459
317	2425951.019	403277.252	854.944
318	2424569.814	383012.691	985.705
319	2390622.451	410342.814	906.803
320	2366636.049	423359.514	879.578
321	2380037.328	390905.946	887.310
322	2395076.658	448843.848	975.985
323	2417315.434	450448.743	964.898
324	2418670.291	484843.053	1150.392
325	2407252.767	492317.859	1016.622
326	2467717.652	493178.862	836.500
327	2446716.937	499639.985	997.095
328	2476182.597	466838.547	858.719
329	2459916.875	455296.310	898.575



330	2478759.988	525250.909	851.987
331	2445649.113	509354.755	1033.153
332	2419672.879	524177.872	1137.641
333	2404277.990	529959.310	942.755
334	2450993.582	546319.301	995.049
335	2486054.282	562722.544	805.661
336	2400521.456	548439.086	935.690
337	2418858.485	541820.660	1055.958



Imagery Photo-ID Point Coordinates

Horizontal Datum - NAD83(2011)
Wisconsin State Plane - South Zone
Vertical Datum - NAVD 88
Geoid - GEOID12A
Units – US Foot

POINT_ID	Northing	Easting	Elevation
400	2486052.595	318758.803	808.332
401	2461557.287	347023.411	875.678
402	2485316.686	379057.626	731.222
403	2485018.027	440513.054	766.025
404	2421782.507	439493.403	1070.765
405	2366441.740	439347.657	893.712
406	2375943.807	391893.637	878.983
407	2360333.163	377544.337	857.421
408	2358676.950	376752.516	872.648
409	2373201.928	503217.209	1167.932
410V	2373171.390	503235.902	1169.298
411	2377954.415	503327.272	1116.256
412	2478390.319	525354.854	856.626
413	2408825.206	530072.869	1060.645
414	2472079.053	562384.722	878.854
415	2456074.692	567738.313	1036.788
416	2392641.928	565140.897	969.216
417	2403342.409	535524.122	989.274
418	2551610.221	569407.139	652.522
419	2521121.890	473580.280	671.237
420	2529787.273	441468.731	669.796
421	2544643.998	332345.850	673.130
422	2544421.527	314580.723	696.660
423	2557636.414	251098.296	622.850
424	2557634.368	251138.649	623.603
425	2492441.201	250228.061	744.672
426	2456195.049	229533.747	777.397
427	2421835.369	186304.677	863.091
428	2415186.303	291605.959	815.052
429	2366110.646	184004.774	1068.414



430	2362179.563	183850.103	1105.740
431	2298401.139	186989.317	949.530
432	2308458.642	245926.986	955.399
433	2297559.027	245754.420	939.865
434	2287277.321	321048.674	844.927
435	2348238.781	429361.099	856.379
436	2348235.376	429334.301	854.873



*NAD27, NGVD29
Final Point Coordinates*



LiDAR Calibration Point Coordinates

Horizontal Datum – NAD27
Wisconsin State Plane - South Zone
Vertical Datum - NGVD 29
Units – US Foot

POINT_ID	Northing	Easting	Elevation
100	2391660.87	312723.67	930.17
101	2392775.24	355988.61	900.35
102	2417981.62	349549.12	1006.88
103	2427481.33	356917.50	986.94
104	2450439.75	314068.55	829.64
105	2477444.63	371546.45	863.73
106	2478098.20	336780.01	948.40
107	2517669.18	313367.52	821.96
108	2492287.70	349170.42	1031.01
109	2503315.11	360399.29	919.92
110	2511053.45	399479.59	768.69
111	2495853.47	423985.20	856.57
112	2475115.54	418548.21	923.47
113	2516440.62	440482.05	766.38
114	2455492.50	426144.47	954.84
115	2442530.42	404120.42	906.44
116	2458237.74	383275.80	976.64
117	2426575.04	404195.98	956.43
118	2395101.02	433453.93	870.03
119	2394621.48	385680.45	867.62
120	2426537.95	449938.30	983.90
121	2434038.62	460362.77	1022.93
122	2452565.46	465942.98	1119.73
123	2457578.47	487246.86	1099.38
124	2467769.92	498165.29	1173.01
125	2420892.36	476491.82	978.82
126	2510101.45	503962.04	880.93



127	2485885.99	487829.60	872.01
128	2510995.70	445600.77	846.30
129	2491585.05	455427.36	910.50
130	2519431.90	528412.97	832.24
131	2493795.93	525431.86	885.02
132	2459239.88	524988.89	1168.34
133	2440395.98	530067.92	1061.88
134	2435072.07	514155.96	974.50
135	2498645.28	546327.67	880.05
136	2514381.88	562614.45	802.22
137	2473507.23	550672.83	937.34
138	2424404.67	564293.19	994.14
139	2434894.21	535178.35	967.37
140	2583168.22	564763.03	651.61
141	2546121.87	558503.47	860.60
142	2527569.81	563004.02	861.97
143	2533381.39	544249.50	795.70
144	2530982.35	531303.88	900.49
145	2545167.57	521141.50	795.92
146	2546978.21	542628.88	846.48
147	2567353.46	543170.11	737.67
148	2580945.22	548813.50	681.94
149	2565516.71	522858.11	735.78
150	2559125.78	512204.57	744.75
151	2540839.27	505070.37	788.43
152	2526084.53	515223.84	878.64
153	2522661.16	498637.38	848.81
154	2544960.03	494452.61	768.34
155	2534745.83	480044.15	797.99
156	2553960.93	473497.94	683.42
157	2521268.42	461878.39	810.31
158	2530820.08	451614.80	766.35
159	2547998.39	452075.47	697.72
160	2561303.31	435811.22	667.91
161	2543682.52	436851.15	653.61
162	2527268.51	425263.20	722.74
163	2525874.37	412751.64	735.73
164	2535648.58	402144.90	706.04
165	2540641.89	413929.18	675.55
166	2564172.13	409453.00	673.86
167	2565051.85	372896.29	590.22



168	2552947.86	361212.36	664.27
169	2568203.13	354550.78	673.73
170	2533256.91	366265.20	736.90
171	2532529.40	379588.07	708.41
172	2525672.44	350503.89	795.98
173	2543834.55	350953.51	787.43
174	2534061.51	334973.99	731.24
175	2554706.94	335554.28	717.64
176	2573145.82	340225.98	661.32
177	2579018.60	323574.39	595.35
178	2549425.14	319468.54	733.19
179	2528092.11	324236.46	777.56
180	2452701.62	187973.01	876.33
181	2427262.88	219605.13	878.98
182	2427535.31	237533.23	844.07
183	2441523.90	258785.33	907.66
184	2422478.47	272520.91	831.73
185	2446698.91	291562.00	814.41
186	2422704.10	305585.47	896.32
187	2401571.57	295883.22	920.34
188	2388015.47	284338.94	916.75
189	2391707.53	256259.21	985.64
190	2387510.42	225215.44	1007.06
191	2380692.77	197327.04	1011.02
192	2403868.08	198421.71	1039.94
193	2338923.67	187352.89	971.65
194	2332983.79	213272.97	929.09
195	2356037.01	213898.30	971.77
196	2360876.32	233525.85	929.02
197	2339193.76	253820.81	945.11
198	2355488.68	278272.17	952.15
199	2334482.14	304106.53	871.86



LiDAR NVA Check Point Coordinates

Horizontal Datum – NAD27
Wisconsin State Plane - South Zone
Vertical Datum - NGVD 29
Units – US Foot

POINT_ID	Northing	Easting	Elevation
234	2433847.00	465725.90	1050.46
235	2421996.10	468543.75	1008.67
236	2444789.58	458066.80	1222.03
237	2461338.60	480781.27	1107.49
238	2427277.64	497407.20	1073.36
239	2443368.71	476714.83	1017.03
240	2511427.86	493251.27	871.73
241	2482102.37	499039.19	983.02
242	2484049.92	477429.95	914.95
243	2510962.07	445663.90	847.61
244	2510378.93	477348.53	875.13
245	2474989.53	447798.02	980.75
246	2475350.57	466227.62	1003.46
247	2489399.49	469118.73	887.86
248	2483322.66	514835.80	994.14
249	2503652.33	520229.89	892.38
250	2494087.20	533690.30	903.22
251	2481150.46	530534.62	1001.06
252	2461726.69	532189.32	1190.44
253	2456823.35	514376.01	1162.80
254	2468181.86	509405.53	1027.09
255	2506440.95	545140.98	844.01
256	2497801.27	559627.78	913.21
257	2482450.19	558428.69	984.77
258	2470474.56	556649.02	949.72
259	2450611.92	556610.05	1038.06
260	2453578.17	534918.61	1022.09
261	2466971.04	533872.36	1054.01



LiDAR VVA Check Point Coordinates

Horizontal Datum – NAD27
Wisconsin State Plane - South Zone
Vertical Datum - NGVD 29
Units – US Foot

POINT_ID	Northing	Easting	Elevation
322	2426613.79	448836.42	976.01
323	2448852.90	450441.15	964.96
324	2450208.07	484835.94	1150.47
325	2438790.44	492310.95	1016.68
326	2499256.20	493171.46	836.64
327	2478255.24	499632.85	997.21
328	2507721.05	466830.69	858.86
329	2491454.99	455288.43	898.69
330	2510298.96	525243.87	852.15
331	2477187.48	509347.77	1033.27
332	2451211.00	524171.31	1137.73
333	2435815.94	529952.96	942.82
334	2482532.34	546312.80	995.18
335	2517593.68	562715.98	805.85
336	2432059.51	548433.04	935.75
337	2450396.74	541814.36	1056.05

*Imagery Photo-ID Point Coordinates*

Horizontal Datum – NAD27
Wisconsin State Plane - South Zone
Vertical Datum - NGVD 29
Units – US Foot

POINT_ID	Northing	Easting	Elevation
400	2517589.54	318748.60	808.65
401	2493094.45	347013.69	875.94
402	2516854.40	379047.80	731.48
403	2516556.38	440504.75	766.17
404	2453319.95	439485.62	1070.83
405	2397979.52	439339.72	893.77
406	2407481.03	391885.29	879.10
407	2391870.11	377536.11	857.53
408	2390213.87	376744.30	872.76
409	2404739.21	503210.74	1167.95
410V	2404708.67	503229.44	1169.31
411	2409491.76	503320.77	1116.28
412	2509929.29	525347.82	856.79
413	2440363.22	530066.49	1060.72
414	2503618.25	562378.27	879.02
415	2487613.70	567732.07	1036.94
416	2424180.01	565135.15	969.27
417	2434880.39	535517.86	989.34
418	2583150.61	569400.12	652.80
419	2552661.04	473572.15	671.45
420	2561326.28	441460.06	670.01
421	2576181.47	332334.97	673.50
422	2575958.22	314569.73	696.93
423	2589172.49	251087.55	623.15
424	2589170.44	251127.90	623.90
425	2523977.64	250217.87	744.96
426	2487731.52	229523.98	777.68
427	2453371.67	186295.45	863.38
428	2446723.53	291596.19	815.30
429	2397647.24	183996.03	1068.69



430	2393716.18	183841.39	1106.02
431	2329938.15	186981.13	949.79
432	2339996.09	245918.38	955.64
433	2329096.54	245745.90	940.10
434	2318815.53	321039.82	845.13
435	2379776.32	429353.34	856.43
436	2379772.91	429326.54	854.92



Point Location & Quality Data Sheets



LiDAR Calibration Point Data Sheets



Point ID	100
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	CRACK AT CL RD

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2360124.763	312732.283	929.992

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/23/2015
Start Time (UTC)	
End Time (UTC)	6:08:34 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.001

PHOTOS:





Point ID	101
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	SW COR STOP BAR

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2361238.568	355996.974	900.218

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/23/2015
Start Time (UTC)	
End Time (UTC)	7:27:17 PM

Point Ties:

RMSE Hz: 0.004
RMSE Z: 0.001

PHOTOS:





Point ID	102
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	INT CRACKS

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2386444.883	349557.852	1006.713

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/23/2015
Start Time (UTC)	
End Time (UTC)	8:07:39 PM

Point Ties:

RMSE Hz: 0.002
RMSE Z: 0.001

PHOTOS:





Point ID	103
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	INT CRACKS

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2395944.442	356926.315	986.765

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/23/2015
Start Time (UTC)	
End Time (UTC)	8:32:54 PM

Point Ties:

RMSE Hz: 0.004
RMSE Z: 0.001

PHOTOS:





Point ID	104
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	CL MH

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2418903.271	314077.919	829.397

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/23/2015
Start Time (UTC)	
End Time (UTC)	9:21:44 PM

Point Ties:

RMSE Hz: 0.005
RMSE Z: 0.001

PHOTOS:





Point ID	105
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	NE COR STP BAR

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2445907.248	371555.821	863.514

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/24/2015
Start Time (UTC)	
End Time (UTC)	5:10:08 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.003

PHOTOS:





Point ID	106
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	INT STRIPES

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2446561.265	336789.592	948.152

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/24/2015
Start Time (UTC)	
End Time (UTC)	5:49:00 PM

Point Ties:

RMSE Hz: 0.002
RMSE Z: 0.002

PHOTOS:





Point ID	107
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Milwaukee
Description	TARGET

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2486132.307	313377.759	821.644

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/24/2015
Start Time (UTC)	
End Time (UTC)	7:43:00 PM

Point Ties:

RMSE Hz: 0.001
RMSE Z: 0.002

PHOTOS:





Point ID	108
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	PARKING AREA

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2460750.519	349180.117	1030.750

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/24/2015
Start Time (UTC)	
End Time (UTC)	9:07:51 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.001

PHOTOS:





Point ID	109
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	CENTER COURT

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2471777.717	360409.054	919.659

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/25/2015
Start Time (UTC)	
End Time (UTC)	5:03:33 PM

Point Ties:

RMSE Hz: 0.004
RMSE Z: 0.001

PHOTOS:





Point ID	110
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	NE COR CONC

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2479515.510	399489.227	768.459

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/25/2015
Start Time (UTC)	
End Time (UTC)	7:23:03 PM

Point Ties:

RMSE Hz: 0.011
RMSE Z: 0.002

PHOTOS:





Point ID	111
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	NW COR STP BAR

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2464315.305	423994.491	856.384

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/25/2015
Start Time (UTC)	
End Time (UTC)	8:39:10 PM

Point Ties:

RMSE Hz: 0.005
RMSE Z: 0.003

PHOTOS:





Point ID	112
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	INT STRIPES

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2443577.571	418557.263	923.307

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/26/2015
Start Time (UTC)	
End Time (UTC)	5:02:02 PM

Point Ties:

RMSE Hz: 0.002
RMSE Z: 0.001

PHOTOS:





Point ID	113
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Ozaukee
Description	CL CL INT

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2484902.266	440490.354	766.235

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/26/2015
Start Time (UTC)	
End Time (UTC)	6:31:45 PM

Point Ties:

RMSE Hz: 0.001
RMSE Z: 0.001

PHOTOS:





Point ID	114
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	CL AT HATCHING

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2423954.545	426153.223	954.705

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/26/2015
Start Time (UTC)	
End Time (UTC)	8:10:28 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.001

PHOTOS:





Point ID	115
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	NW COR STP BAR

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2410992.825	404129.140	906.294

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/26/2015
Start Time (UTC)	
End Time (UTC)	9:14:29 PM

Point Ties:

RMSE Hz: 0.005
RMSE Z: 0.002

PHOTOS:





Point ID	116
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	NE COR STP BAR

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2426700.319	383284.849	976.454

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/27/2015
Start Time (UTC)	
End Time (UTC)	5:34:39 PM

Point Ties:

RMSE Hz: 0.002
RMSE Z: 0.002

PHOTOS:





Point ID	117
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	SW COR STP BAR

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2395037.549	404204.497	956.304

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/27/2015
Start Time (UTC)	
End Time (UTC)	7:00:40 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.001

PHOTOS:





Point ID	118
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	S EDGE AT CL S

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2363563.333	433461.864	869.973

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/27/2015
Start Time (UTC)	
End Time (UTC)	7:43:02 PM

Point Ties:

RMSE Hz: 0.005
RMSE Z: 0.003

PHOTOS:





Point ID	119
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	E EDGE AT CL S

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2363084.411	385688.665	867.516

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/27/2015
Start Time (UTC)	
End Time (UTC)	8:58:11 PM

Point Ties:

RMSE Hz: 0.005
RMSE Z: 0.007

PHOTOS:





Point ID	120
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	CL CL INT

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2395000.805	449945.716	983.873

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/28/2015
Start Time (UTC)	
End Time (UTC)	4:43:50 PM

Point Ties:

RMSE Hz: 0.002
RMSE Z: 0.001

PHOTOS:





Point ID	121
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	INT STRIPES

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2402501.278	460370.094	1022.891

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/28/2015
Start Time (UTC)	
End Time (UTC)	4:58:16 PM

Point Ties:

RMSE Hz: 0.002
RMSE Z: 0.001

PHOTOS:





Point ID	122
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	CL CL INT

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2421027.813	465950.387	1119.658

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/28/2015
Start Time (UTC)	
End Time (UTC)	6:28:52 PM

Point Ties:

RMSE Hz: 0.005
RMSE Z: 0.001

PHOTOS:





Point ID	123
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	SE COR STP BAR

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2426040.571	487253.998	1099.296

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/28/2015
Start Time (UTC)	
End Time (UTC)	7:08:11 PM

Point Ties:

RMSE Hz: 0.001
RMSE Z: 0.001

PHOTOS:





Point ID	124
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	CL CL

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2436231.780	498172.354	1172.908

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/28/2015
Start Time (UTC)	
End Time (UTC)	7:38:39 PM

Point Ties:

RMSE Hz: 0.006
RMSE Z: 0.001

PHOTOS:





Point ID	125
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	E EDGE RD CL E

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2389355.071	476498.802	978.788

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/28/2015
Start Time (UTC)	
End Time (UTC)	9:44:49 PM

Point Ties:

RMSE Hz: 0.006
RMSE Z: 0.001

PHOTOS:





Point ID	126
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	CL RD AT CHANGE

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2478562.656	503969.383	880.774

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/29/2015
Start Time (UTC)	
End Time (UTC)	4:48:58 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.001

PHOTOS:





Point ID	127
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	SW COR HATCHED

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2454347.680	487836.972	871.889

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/29/2015
Start Time (UTC)	
End Time (UTC)	5:52:46 PM

Point Ties:

RMSE Hz: 0.002
RMSE Z: 0.001

PHOTOS:





Point ID	128
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	NE COR STP BAR

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2479457.379	445608.951	846.155

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/29/2015
Start Time (UTC)	
End Time (UTC)	6:44:07 PM

Point Ties:

RMSE Hz: 0.004
RMSE Z: 0.001

PHOTOS:





Point ID	129
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	NE COR HATCHED

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2460046.926	455435.243	910.383

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/29/2015
Start Time (UTC)	
End Time (UTC)	7:22:28 PM

Point Ties:

RMSE Hz: 0.001
RMSE Z: 0.002

PHOTOS:





Point ID	130
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	CL PATH

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2487892.762	528420.042	832.062

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/30/2015
Start Time (UTC)	
End Time (UTC)	4:09:11 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.001

PHOTOS:





Point ID	131
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	NW COR STOP BAR

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2462257.188	525438.754	884.873

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/30/2015
Start Time (UTC)	
End Time (UTC)	4:52:45 PM

Point Ties:

RMSE Hz: 0.005
RMSE Z: 0.001

PHOTOS:





Point ID	132
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	NW COR STOP BAR

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2427701.635	524995.500	1168.240

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/30/2015
Start Time (UTC)	
End Time (UTC)	6:21:41 PM

Point Ties:

RMSE Hz: 0.001
RMSE Z: 0.001

PHOTOS:





Point ID	133
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	CL CL INT

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2408857.967	530074.299	1061.808

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/30/2015
Start Time (UTC)	
End Time (UTC)	6:51:32 PM

Point Ties:

RMSE Hz: 0.007
RMSE Z: 0.001

PHOTOS:





Point ID	134
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	CLCL INT

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2403534.263	514162.530	974.445

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/30/2015
Start Time (UTC)	
End Time (UTC)	7:45:11 PM

Point Ties:

RMSE Hz: 0.027
RMSE Z: 0.003

PHOTOS:





Point ID	135
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	CL AT END OF DY

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2467106.290	546334.312	879.890

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/1/2015
Start Time (UTC)	
End Time (UTC)	4:18:57 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.001

PHOTOS:





Point ID	136
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	CL CL

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2482842.532	562620.984	802.039

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/1/2015
Start Time (UTC)	
End Time (UTC)	4:50:02 PM

Point Ties:

RMSE Hz: 0.007
RMSE Z: 0.003

PHOTOS:





Point ID	137
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	SW COR STOP BAR

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2441968.567	550679.197	937.217

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/1/2015
Start Time (UTC)	
End Time (UTC)	6:26:22 PM

Point Ties:

RMSE Hz: 0.004
RMSE Z: 0.002

PHOTOS:





Point ID	138
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	CL RD AT CHANGE

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2392866.593	564298.948	994.084

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/1/2015
Start Time (UTC)	
End Time (UTC)	7:05:32 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.001

PHOTOS:





Point ID	139
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	CL CL

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2403356.234	535184.613	967.304

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/1/2015
Start Time (UTC)	
End Time (UTC)	7:45:27 PM

Point Ties:

RMSE Hz: 0.004
RMSE Z: 0.002

PHOTOS:





Point ID	140
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Ozaukee
Description	CLCL INT

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2551627.868	564770.118	651.330

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/4/2015
Start Time (UTC)	
End Time (UTC)	1:57:06 PM

Point Ties:

RMSE Hz: 0.010
RMSE Z: 0.003

PHOTOS:





Point ID	141
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Ozaukee
Description	N END STOP BAR

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2514582.105	558510.336	860.373

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/4/2015
Start Time (UTC)	
End Time (UTC)	2:32:53 PM

Point Ties:

RMSE Hz: 0.002
RMSE Z: 0.001

PHOTOS:





Point ID	142
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Ozaukee
Description	N ED RD AT CL N

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2496030.270	563010.662	861.764

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/4/2015
Start Time (UTC)	
End Time (UTC)	2:44:33 PM

Point Ties:

RMSE Hz: 0.001
RMSE Z: 0.001

PHOTOS:





Point ID	143
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Ozaukee
Description	END DBL YELLOW

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2501841.920	544256.461	795.497

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/4/2015
Start Time (UTC)	
End Time (UTC)	2:58:23 PM

Point Ties:

RMSE Hz: 0.005
RMSE Z: 0.001

PHOTOS:





Point ID	144
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Ozaukee
Description	N EDGE AT CL

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2499443.024	531311.009	900.292

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/4/2015
Start Time (UTC)	
End Time (UTC)	3:10:33 PM

Point Ties:

RMSE Hz: 0.002
RMSE Z: 0.001

PHOTOS:





Point ID	145
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Ozaukee
Description	NE COR STAP BAR

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2513628.125	521148.887	795.711

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6140
Antenna Height	1.8

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/4/2015
Start Time (UTC)	
End Time (UTC)	3:22:20 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.001

PHOTOS:





Point ID	146
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Ozaukee
Description	INT PAINT STRIPS

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2515438.566	542635.979	846.261

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6141
Antenna Height	1.9

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/4/2015
Start Time (UTC)	
End Time (UTC)	3:47:19 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.001

PHOTOS:





Point ID	147
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Ozaukee
Description	DBL YEL CL AT HA

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2535813.520	543177.371	737.415

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6142
Antenna Height	1.10

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/4/2015
Start Time (UTC)	
End Time (UTC)	4:06:58 PM

Point Ties:

RMSE Hz: 0.002
RMSE Z: 0.001

PHOTOS:





Point ID	148
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Ozaukee
Description	CL CL INT

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2549405.030	548820.791	681.664

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6143
Antenna Height	1.11

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/4/2015
Start Time (UTC)	
End Time (UTC)	4:21:19 PM

Point Ties:

RMSE Hz: 0.002
RMSE Z: 0.001

PHOTOS:





Point ID	149
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Ozaukee
Description	SE COR STOP BAR

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2533976.963	522865.650	735.535

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6144
Antenna Height	1.12

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/4/2015
Start Time (UTC)	
End Time (UTC)	4:43:13 PM

Point Ties:

RMSE Hz: 0.001
RMSE Z: 0.002

PHOTOS:





Point ID	150
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Ozaukee
Description	INT PARKING STRP

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2527586.211	512212.204	744.516

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6145
Antenna Height	1.13

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/4/2015
Start Time (UTC)	
End Time (UTC)	4:58:22 PM

Point Ties:

RMSE Hz: 0.002
RMSE Z: 0.001

PHOTOS:





Point ID	151
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Ozaukee
Description	CL CL INT

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2509300.024	505077.954	788.224

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6146
Antenna Height	1.14

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/4/2015
Start Time (UTC)	
End Time (UTC)	5:18:25 PM

Point Ties:

RMSE Hz: 0.002
RMSE Z: 0.003

PHOTOS:





Point ID	152
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Ozaukee
Description	S ED RD AT CL

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2494545.407	515231.150	878.457

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6147
Antenna Height	1.15

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/4/2015
Start Time (UTC)	
End Time (UTC)	5:34:30 PM

Point Ties:

RMSE Hz: 0.002
RMSE Z: 0.001

PHOTOS:





Point ID	153
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Ozaukee
Description	CL

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2491122.226	498644.899	848.631

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6148
Antenna Height	1.16

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/4/2015
Start Time (UTC)	
End Time (UTC)	5:47:39 PM

Point Ties:

RMSE Hz: 0.002
RMSE Z: 0.001

PHOTOS:





Point ID	154
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Ozaukee
Description	NE COR STOP BAR

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2513420.813	494460.378	768.130

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6149
Antenna Height	1.17

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/4/2015
Start Time (UTC)	
End Time (UTC)	6:05:36 PM

Point Ties:

RMSE Hz: 0.004
RMSE Z: 0.001

PHOTOS:





Point ID	155
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Ozaukee
Description	CLCL

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2503206.880	480052.042	797.804

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6150
Antenna Height	1.18

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/4/2015
Start Time (UTC)	
End Time (UTC)	6:37:18 PM

Point Ties:

RMSE Hz: 0.006
RMSE Z: 0.001

PHOTOS:





Point ID	156
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Ozaukee
Description	RXR CL SIGH

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2522421.761	473506.087	683.208

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6151
Antenna Height	1.19

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/4/2015
Start Time (UTC)	
End Time (UTC)	6:57:29 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.001

PHOTOS:





Point ID	157
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Ozaukee
Description	END DBL YELLOW

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2489729.818	461886.425	810.148

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6152
Antenna Height	1.20

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/4/2015
Start Time (UTC)	
End Time (UTC)	7:21:59 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.004

PHOTOS:





Point ID	158
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Ozaukee
Description	SE COR STOP BAR

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2499281.423	451623.062	766.178

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6153
Antenna Height	1.21

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/4/2015
Start Time (UTC)	
End Time (UTC)	7:34:41 PM

Point Ties:

RMSE Hz: 0.002
RMSE Z: 0.002

PHOTOS:





Point ID	159
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Ozaukee
Description	ARROW TIP

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2516459.487	452083.877	697.528

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6154
Antenna Height	1.22

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/4/2015
Start Time (UTC)	
End Time (UTC)	7:47:54 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.002

PHOTOS:





Point ID	160
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Milwaukee
Description	S END STOP BAR

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2529764.593	435821.283	667.663

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6155
Antenna Height	1.23

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/4/2015
Start Time (UTC)	
End Time (UTC)	8:50:01 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.009

PHOTOS:





Point ID	161
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Milwaukee
Description	INT PARKING STR

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2512143.903	436860.983	653.385

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6156
Antenna Height	1.24

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/5/2015
Start Time (UTC)	
End Time (UTC)	4:24:33 PM

Point Ties:

RMSE Hz: 0.001
RMSE Z: 0.001

PHOTOS:





Point ID	162
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Milwaukee
Description	PARK LOT

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2495730.137	425272.891	722.519

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6157
Antenna Height	1.25

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/5/2015
Start Time (UTC)	
End Time (UTC)	4:48:21 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.002

PHOTOS:





Point ID	163
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Milwaukee
Description	INT PARK STRPES

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2494336.168	412761.379	735.495

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6158
Antenna Height	1.26

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/5/2015
Start Time (UTC)	
End Time (UTC)	4:59:15 PM

Point Ties:

RMSE Hz: 0.001
RMSE Z: 0.001

PHOTOS:





Point ID	164
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Milwaukee
Description	NE COR PATCH

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2504110.451	402154.829	705.787

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6159
Antenna Height	1.27

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/5/2015
Start Time (UTC)	
End Time (UTC)	5:15:42 PM

Point Ties:

RMSE Hz: 0.001
RMSE Z: 0.001

PHOTOS:





Point ID	165
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Milwaukee
Description	SE COR HATCHED

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2509103.582	413939.111	675.304

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6160
Antenna Height	1.28

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/5/2015
Start Time (UTC)	
End Time (UTC)	5:31:36 PM

Point Ties:

RMSE Hz: 0.001
RMSE Z: 0.003

PHOTOS:





Point ID	166
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Milwaukee
Description	CL MH

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2532633.744	409463.252	673.581

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6161
Antenna Height	1.29

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/5/2015
Start Time (UTC)	
End Time (UTC)	5:54:03 PM

Point Ties:

RMSE Hz: 0.002
RMSE Z: 0.002

PHOTOS:





Point ID	167
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Milwaukee
Description	INT PARK STRIPES

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2533513.920	372906.779	589.903

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6162
Antenna Height	1.30

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/5/2015
Start Time (UTC)	
End Time (UTC)	6:15:37 PM

Point Ties:

RMSE Hz: 0.001
RMSE Z: 0.001

PHOTOS:





Point ID	168
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Milwaukee
Description	CLCL INT

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2521410.160	361222.764	663.958

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6163
Antenna Height	1.31

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/5/2015
Start Time (UTC)	
End Time (UTC)	6:38:14 PM

Point Ties:

RMSE Hz: 0.001
RMSE Z: 0.001

PHOTOS:





Point ID	169
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Milwaukee
Description	CLCL INT

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2536665.418	354561.422	673.397

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6164
Antenna Height	1.32

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/5/2015
Start Time (UTC)	
End Time (UTC)	7:18:23 PM

Point Ties:

RMSE Hz: 0.005
RMSE Z: 0.002

PHOTOS:





Point ID	170
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Milwaukee
Description	INT PARK STRIPES

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2501719.259	366275.317	736.619

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6165
Antenna Height	1.33

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/5/2015
Start Time (UTC)	
End Time (UTC)	7:58:27 PM

Point Ties:

RMSE Hz: 0.002
RMSE Z: 0.001

PHOTOS:





Point ID	171
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Milwaukee
Description	CL CL

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2500991.583	379598.101	708.136

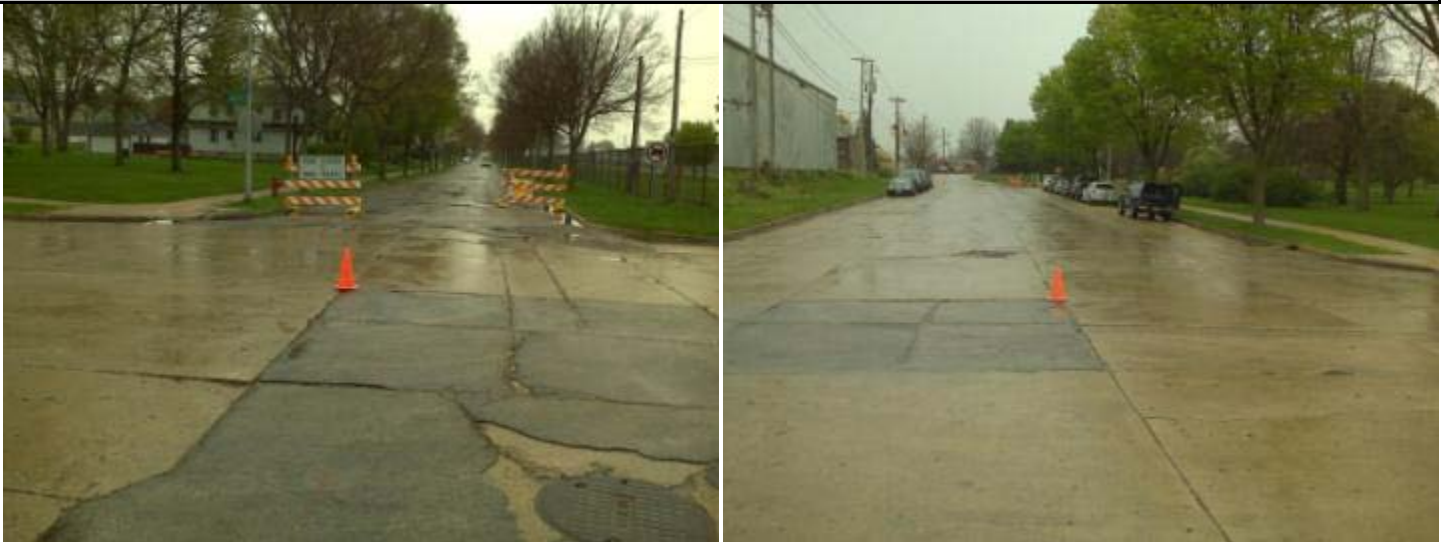
Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6166
Antenna Height	1.34

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/6/2015
Start Time (UTC)	
End Time (UTC)	3:39:37 PM

Point Ties:

RMSE Hz: 0.006
RMSE Z: 0.002

PHOTOS:





Point ID	172
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Milwaukee
Description	NW COR STOP BAR

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2494135.036	350514.004	795.692

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6167
Antenna Height	1.35

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/6/2015
Start Time (UTC)	
End Time (UTC)	4:03:52 PM

Point Ties:

RMSE Hz: 0.001
RMSE Z: 0.001

PHOTOS:





Point ID	173
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Milwaukee
Description	CL AT CHANGE

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2512297.034	350963.854	787.114

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6168
Antenna Height	1.36

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/6/2015
Start Time (UTC)	
End Time (UTC)	4:17:35 PM

Point Ties:

RMSE Hz: 0.004
RMSE Z: 0.001

PHOTOS:





Point ID	174
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Milwaukee
Description	CL AT PATCH

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2502524.258	334984.310	730.922

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6169
Antenna Height	1.37

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/6/2015
Start Time (UTC)	
End Time (UTC)	4:31:57 PM

Point Ties:

RMSE Hz: 0.010
RMSE Z: 0.004

PHOTOS:





Point ID	175
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Milwaukee
Description	CL WALK AT CL DR

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2523169.554	335564.859	717.295

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6170
Antenna Height	1.38

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/6/2015
Start Time (UTC)	
End Time (UTC)	4:43:39 PM

Point Ties:

RMSE Hz: 0.002
RMSE Z: 0.001

PHOTOS:





Point ID	176
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Milwaukee
Description	SW COR STOP BAR

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2541608.266	340236.768	660.962

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6171
Antenna Height	1.39

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/6/2015
Start Time (UTC)	
End Time (UTC)	4:58:55 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.001

PHOTOS:





Point ID	177
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Milwaukee
Description	INT PARK STRIPES

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2547481.230	323585.357	594.971

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6172
Antenna Height	1.40

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/6/2015
Start Time (UTC)	
End Time (UTC)	5:29:42 PM

Point Ties:

RMSE Hz: 0.002
RMSE Z: 0.001

PHOTOS:





Point ID	178
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Milwaukee
Description	NE COR HATCHED

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2517888.000	319479.149	732.843

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6173
Antenna Height	1.41

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/6/2015
Start Time (UTC)	
End Time (UTC)	6:05:47 PM

Point Ties:

RMSE Hz: 0.004
RMSE Z: 0.001

PHOTOS:





Point ID	179
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Milwaukee
Description	S ED RD AT CL

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2496555.038	324246.767	777.243

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6174
Antenna Height	1.42

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/6/2015
Start Time (UTC)	
End Time (UTC)	6:18:44 PM

Point Ties:

RMSE Hz: 0.001
RMSE Z: 0.001

PHOTOS:





Point ID	180
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Walworth
Description	CUL DE SAC

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2421165.298	187982.242	876.035

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6175
Antenna Height	1.43

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/7/2015
Start Time (UTC)	
End Time (UTC)	4:36:37 PM

Point Ties:

RMSE Hz: 0.011
RMSE Z: 0.021

PHOTOS:





Point ID	181
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Walworth
Description	SE COR STOP BAR

Aerial Target	
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2395726.152	219614.328	878.709

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6176
Antenna Height	1.44

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/7/2015
Start Time (UTC)	
End Time (UTC)	5:44:22 PM

Point Ties:

RMSE Hz: 0.011
RMSE Z: 0.002

PHOTOS:





Point ID	182
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Walworth
Description	CL RD AT CHANGE

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2395998.428	237542.529	843.809

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6177
Antenna Height	1.45

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/7/2015
Start Time (UTC)	
End Time (UTC)	6:07:23 PM

Point Ties:

RMSE Hz: 0.002
RMSE Z: 0.003

PHOTOS:





Point ID	183
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Walworth
Description	SE COR STOP BAR

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2409986.915	258794.872	907.407

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6178
Antenna Height	1.46

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/7/2015
Start Time (UTC)	
End Time (UTC)	6:26:13 PM

Point Ties:

RMSE Hz: 0.005
RMSE Z: 0.006

PHOTOS:





Point ID	184
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Walworth
Description	SW COR LIGHT PAV

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2390941.262	272530.366	831.480

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6179
Antenna Height	1.47

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/7/2015
Start Time (UTC)	
End Time (UTC)	6:49:53 PM

Point Ties:

RMSE Hz: 0.008
RMSE Z: 0.001

PHOTOS:





Point ID	185
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Walworth
Description	SW COR STOP BAR

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2415161.681	291571.776	814.170

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6180
Antenna Height	1.48

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/7/2015
Start Time (UTC)	
End Time (UTC)	7:25:22 PM

Point Ties:

RMSE Hz: 0.004
RMSE Z: 0.001

PHOTOS:





Point ID	186
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Walworth
Description	INT CRACKS

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2391166.615	305595.121	896.088

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6181
Antenna Height	1.49

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/7/2015
Start Time (UTC)	
End Time (UTC)	7:43:23 PM

Point Ties:

RMSE Hz: 0.005
RMSE Z: 0.001

PHOTOS:





Point ID	187
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Walworth
Description	CRACK AT CHANGE

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2370034.052	295892.634	920.108

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6182
Antenna Height	1.50

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/7/2015
Start Time (UTC)	
End Time (UTC)	7:54:44 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.003

PHOTOS:





Point ID	188
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Walworth
Description	SW COR STOP BAR

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2356477.969	284348.170	916.513

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6183
Antenna Height	1.51

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/7/2015
Start Time (UTC)	
End Time (UTC)	8:09:18 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.002

PHOTOS:





Point ID	189
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Walworth
Description	INT PARK STRIPES

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2360170.287	256268.316	985.399

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6184
Antenna Height	1.52

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/7/2015
Start Time (UTC)	
End Time (UTC)	8:24:18 PM

Point Ties:

RMSE Hz: 0.005
RMSE Z: 0.001

PHOTOS:





Point ID	190
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Walworth
Description	INT PARK STRIPE S

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2355973.416	225224.329	1006.800

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6185
Antenna Height	1.53

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/7/2015
Start Time (UTC)	
End Time (UTC)	9:06:13 PM

Point Ties:

RMSE Hz: 0.006
RMSE Z: 0.001

PHOTOS:





Point ID	191
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Walworth
Description	SW COR CONC

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2349155.964	197335.714	1010.755

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6186
Antenna Height	1.54

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/8/2015
Start Time (UTC)	
End Time (UTC)	2:25:28 PM

Point Ties:

RMSE Hz: 0.005
RMSE Z: 0.001

PHOTOS:





Point ID	192
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Walworth
Description	SE COR STOP BAR

Aerial Target	
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2372331.391	198430.589	1039.669

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6187
Antenna Height	1.55

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/8/2015
Start Time (UTC)	
End Time (UTC)	2:38:15 PM

Point Ties:

RMSE Hz: 0.002
RMSE Z: 0.001

PHOTOS:





Point ID	193
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Walworth
Description	AP IN STOP BAR

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2307386.709	187361.153	971.388

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6188
Antenna Height	1.56

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/8/2015
Start Time (UTC)	
End Time (UTC)	3:25:53 PM

Point Ties:

RMSE Hz: 0.002
RMSE Z: 0.001

PHOTOS:





Point ID	194
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Walworth
Description	PAVEMENT

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2301446.576	213281.331	928.837

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6189
Antenna Height	1.57

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/8/2015
Start Time (UTC)	
End Time (UTC)	4:00:54 PM

Point Ties:

RMSE Hz: 0.004
RMSE Z: 0.003

PHOTOS:





Point ID	195
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Walworth
Description	NW COR STOP BAR

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2324499.922	213906.865	971.516

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6190
Antenna Height	1.58

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/8/2015
Start Time (UTC)	
End Time (UTC)	4:12:03 PM

Point Ties:

RMSE Hz: 0.002
RMSE Z: 0.001

PHOTOS:





Point ID	196
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Walworth
Description	NW COR STOP BAR

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2329339.096	233534.562	928.776

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6191
Antenna Height	1.59

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/8/2015
Start Time (UTC)	
End Time (UTC)	4:35:48 PM

Point Ties:

RMSE Hz: 0.004
RMSE Z: 0.004

PHOTOS:





Point ID	197
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Walworth
Description	NE COR STOP BAR

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2307656.241	253829.460	944.874

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6192
Antenna Height	1.60

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/8/2015
Start Time (UTC)	
End Time (UTC)	5:11:26 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.003

PHOTOS:





Point ID	198
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Walworth
Description	CLCL INT

	Aerial Target
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2323951.048	278281.091	951.926

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6193
Antenna Height	1.61

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/8/2015
Start Time (UTC)	
End Time (UTC)	5:24:01 PM

Point Ties:

RMSE Hz: 0.006
RMSE Z: 0.001

PHOTOS:





Point ID	199
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Walworth
Description	NE COR STOP BAR

Aerial Target	
X	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2302944.166	304115.423	871.647

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6194
Antenna Height	1.62

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/8/2015
Start Time (UTC)	
End Time (UTC)	5:42:24 PM

Point Ties:

RMSE Hz: 0.006

RMSE Z: 0.001

PHOTOS:





LiDAR NVA Point Data Sheets



Point ID	200
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	URBAN

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2377463.853	324290.277	947.895

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6195
Antenna Height	1.63

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/23/2015
Start Time (UTC)	
End Time (UTC)	5:37:02 PM

Point Ties:

RMSE Hz: 0.002
RMSE Z: 0.005

PHOTOS:





Point ID	201
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	SHORT GRASS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2359604.940	313973.853	939.132

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6196
Antenna Height	1.64

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/23/2015
Start Time (UTC)	
End Time (UTC)	6:23:58 PM

Point Ties:

RMSE Hz: 0.004
RMSE Z: 0.001

PHOTOS:





Point ID	202
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	URBAN

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2358990.491	341302.133	895.340

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6197
Antenna Height	1.65

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/23/2015
Start Time (UTC)	
End Time (UTC)	6:46:51 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.001

PHOTOS:





Point ID	203
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	GRASS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2362990.747	362109.762	852.237

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6198
Antenna Height	1.66

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/23/2015
Start Time (UTC)	
End Time (UTC)	7:19:43 PM

Point Ties:

RMSE Hz: 0.005
RMSE Z: 0.002

PHOTOS:





Point ID	204
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	SHORT GRASS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2395806.942	356937.453	986.883

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6199
Antenna Height	1.67

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/23/2015
Start Time (UTC)	
End Time (UTC)	8:35:21 PM

Point Ties:

RMSE Hz: 0.005
RMSE Z: 0.000

PHOTOS:





Point ID	205
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	SHORT GRASS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2403842.563	332213.432	949.488

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6200
Antenna Height	1.68

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/23/2015
Start Time (UTC)	
End Time (UTC)	9:50:43 PM

Point Ties:

RMSE Hz: 0.007
RMSE Z: 0.004

PHOTOS:





Point ID	206
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	URBAN

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2417000.063	316004.589	810.995

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6201
Antenna Height	1.69

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/23/2015
Start Time (UTC)	
End Time (UTC)	10:14:47 PM

Point Ties:

RMSE Hz: 0.002
RMSE Z: 0.001

PHOTOS:





Point ID	207
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	URBAN

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2442726.707	358872.793	826.097

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6202
Antenna Height	1.70

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/24/2015
Start Time (UTC)	
End Time (UTC)	5:30:26 PM

Point Ties:

RMSE Hz: 0.005
RMSE Z: 0.002

PHOTOS:





Point ID	208
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	URBAN

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2444724.015	333427.140	934.355

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6203
Antenna Height	1.71

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/24/2015
Start Time (UTC)	
End Time (UTC)	6:23:02 PM

Point Ties:

RMSE Hz: 0.002
RMSE Z: 0.001

PHOTOS:





Point ID	209
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	SHORT GRASS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2449535.474	327528.019	814.246

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6204
Antenna Height	1.72

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/24/2015
Start Time (UTC)	
End Time (UTC)	6:45:31 PM

Point Ties:

RMSE Hz: 0.007
RMSE Z: 0.001

PHOTOS:





Point ID	210
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	URBAN

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2479114.447	334222.295	793.000

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6205
Antenna Height	1.73

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/24/2015
Start Time (UTC)	
End Time (UTC)	8:05:01 PM

Point Ties:

RMSE Hz: 0.005
RMSE Z: 0.004

PHOTOS:





Point ID	211
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	SHORT GRASS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2475111.769	339341.338	801.452

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6206
Antenna Height	1.74

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/24/2015
Start Time (UTC)	
End Time (UTC)	8:12:45 PM

Point Ties:

RMSE Hz: 0.004
RMSE Z: 0.002

PHOTOS:





Point ID	212
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	URBAN

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2475433.118	341025.861	825.161

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6207
Antenna Height	1.75

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/24/2015
Start Time (UTC)	
End Time (UTC)	8:20:40 PM

Point Ties:

RMSE Hz: 0.001
RMSE Z: 0.001

PHOTOS:





Point ID	213
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	SE COR STOP BAR

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2461583.896	347085.072	877.825

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6208
Antenna Height	1.76

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/24/2015
Start Time (UTC)	
End Time (UTC)	8:50:33 PM

Point Ties:

RMSE Hz: 0.005
RMSE Z: 0.002

PHOTOS:





Point ID	214
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	SHORT GRASS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2457461.165	360896.794	977.969

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6209
Antenna Height	1.77

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/24/2015
Start Time (UTC)	
End Time (UTC)	9:18:07 PM

Point Ties:

RMSE Hz: 0.005
RMSE Z: 0.001

PHOTOS:





Point ID	215
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	URBAN

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2473488.979	363252.197	904.897

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6210
Antenna Height	1.78

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/25/2015
Start Time (UTC)	
End Time (UTC)	4:52:11 PM

Point Ties:

RMSE Hz: 0.001
RMSE Z: 0.000

PHOTOS:





Point ID	216
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	URBAN

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2480083.100	367161.672	851.604

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6211
Antenna Height	1.79

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/25/2015
Start Time (UTC)	
End Time (UTC)	5:29:04 PM

Point Ties:

RMSE Hz: 0.006
RMSE Z: 0.003

PHOTOS:





Point ID	217
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	SHORT GRASS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2472995.523	392560.761	827.430

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6212
Antenna Height	1.80

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/25/2015
Start Time (UTC)	
End Time (UTC)	6:33:32 PM

Point Ties:

RMSE Hz: 0.009
RMSE Z: 0.003

PHOTOS:





Point ID	218
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	URBAN

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2470036.924	390116.010	909.882

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6213
Antenna Height	1.81

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/25/2015
Start Time (UTC)	
End Time (UTC)	6:58:32 PM

Point Ties:

RMSE Hz: 0.004
RMSE Z: 0.001

PHOTOS:





Point ID	219
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	URBAN

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2466364.283	427898.333	885.629

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6214
Antenna Height	1.82

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/25/2015
Start Time (UTC)	
End Time (UTC)	8:56:54 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.001

PHOTOS:





Point ID	220
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	URBAN

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2442477.257	417729.331	914.961

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6215
Antenna Height	1.83

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/26/2015
Start Time (UTC)	
End Time (UTC)	5:11:26 PM

Point Ties:

RMSE Hz: 0.006
RMSE Z: 0.006

PHOTOS:





Point ID	221
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	SHORT GRASS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2476064.135	413170.420	782.964

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6216
Antenna Height	1.84

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/26/2015
Start Time (UTC)	
End Time (UTC)	5:42:38 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.002

PHOTOS:





Point ID	222
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	URBAN

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2478753.159	437169.322	766.288

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6217
Antenna Height	1.85

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/26/2015
Start Time (UTC)	
End Time (UTC)	6:41:27 PM

Point Ties:

RMSE Hz: 0.002
RMSE Z: 0.001

PHOTOS:





Point ID	223
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	URBAN

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2423608.884	433496.703	1041.315

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6218
Antenna Height	1.86

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/26/2015
Start Time (UTC)	
End Time (UTC)	7:36:21 PM

Point Ties:

RMSE Hz: 0.005
RMSE Z: 0.001

PHOTOS:





Point ID	224
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	SPARCE GRASS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2417755.214	436405.724	1057.480

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6219
Antenna Height	1.87

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/26/2015
Start Time (UTC)	
End Time (UTC)	7:57:57 PM

Point Ties:

RMSE Hz: 0.002
RMSE Z: 0.001

PHOTOS:





Point ID	225
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	SHORT GRASS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2426370.761	426680.733	988.006

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6220
Antenna Height	1.88

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/26/2015
Start Time (UTC)	
End Time (UTC)	8:17:52 PM

Point Ties:

RMSE Hz: 0.006
RMSE Z: 0.001

PHOTOS:





Point ID	226
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	URBAN

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2411214.483	408052.456	933.994

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6221
Antenna Height	1.89

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/26/2015
Start Time (UTC)	
End Time (UTC)	9:00:58 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.001

PHOTOS:





Point ID	227
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	SHORT GRASS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2413539.131	399196.994	987.519

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6222
Antenna Height	1.90

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/26/2015
Start Time (UTC)	
End Time (UTC)	9:36:49 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.003

PHOTOS:





Point ID	228
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	SHORT GRASS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2424430.360	392991.643	887.480

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6223
Antenna Height	1.91

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/27/2015
Start Time (UTC)	
End Time (UTC)	5:16:59 PM

Point Ties:

RMSE Hz: 0.004
RMSE Z: 0.001

PHOTOS:





Point ID	229
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	URBAN

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2394781.456	406290.058	918.773

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6224
Antenna Height	1.92

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/27/2015
Start Time (UTC)	
End Time (UTC)	6:41:34 PM

Point Ties:

RMSE Hz: 0.004
RMSE Z: 0.001

PHOTOS:





Point ID	230
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	BARE EARTH

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2393511.788	409286.753	933.543

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6225
Antenna Height	1.93

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/27/2015
Start Time (UTC)	
End Time (UTC)	6:49:02 PM

Point Ties:

RMSE Hz: 0.005
RMSE Z: 0.003

PHOTOS:





Point ID	231
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	SHORT GRASS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2367749.570	429075.620	880.597

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6226
Antenna Height	1.94

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/27/2015
Start Time (UTC)	
End Time (UTC)	7:51:09 PM

Point Ties:

RMSE Hz: 0.002
RMSE Z: 0.002

PHOTOS:





Point ID	232
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	CLCL INT

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2370581.823	404419.448	864.136

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6227
Antenna Height	1.95

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/27/2015
Start Time (UTC)	
End Time (UTC)	8:20:17 PM

Point Ties:

RMSE Hz: 0.004
RMSE Z: 0.001

PHOTOS:





Point ID	233
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	SHORT GRASS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2375863.098	391007.111	882.260

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6228
Antenna Height	1.96

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/27/2015
Start Time (UTC)	
End Time (UTC)	8:46:28 PM

Point Ties:

RMSE Hz: 0.006
RMSE Z: 0.002

PHOTOS:





Point ID	234
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	URBAN

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2402309.615	465733.151	1050.418

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6229
Antenna Height	1.97

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/28/2015
Start Time (UTC)	
End Time (UTC)	5:06:25 PM

Point Ties:

RMSE Hz: 0.001
RMSE Z: 0.001

PHOTOS:





Point ID	235
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	SHORT GRASS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2390458.868	468550.863	1008.640

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6230
Antenna Height	1.98

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/28/2015
Start Time (UTC)	
End Time (UTC)	5:20:31 PM

Point Ties:

RMSE Hz: 0.004
RMSE Z: 0.001

PHOTOS:





Point ID	236
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	GRAVEL

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2413252.109	458074.248	1221.975

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6231
Antenna Height	1.99

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/28/2015
Start Time (UTC)	
End Time (UTC)	6:13:44 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.002

PHOTOS:





Point ID	237
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	SHORT GRASS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2429800.699	480788.530	1107.404

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6232
Antenna Height	1.100

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/28/2015
Start Time (UTC)	
End Time (UTC)	7:23:04 PM

Point Ties:

RMSE Hz: 0.006
RMSE Z: 0.001

PHOTOS:





Point ID	238
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	SHORT GRASS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2395740.082	497413.942	1073.312

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6233
Antenna Height	1.101

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/28/2015
Start Time (UTC)	
End Time (UTC)	8:45:34 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.001

PHOTOS:





Point ID	239
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	BARE EARTH

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2411831.104	476722.006	1016.966

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6234
Antenna Height	1.102

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/28/2015
Start Time (UTC)	
End Time (UTC)	10:09:02 PM

Point Ties:

RMSE Hz: 0.004
RMSE Z: 0.001

PHOTOS:





Point ID	240
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	SHORT GRASS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2479889.135	493258.780	871.568

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6235
Antenna Height	1.103

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/29/2015
Start Time (UTC)	
End Time (UTC)	5:00:01 PM

Point Ties:

RMSE Hz: 0.005
RMSE Z: 0.001

PHOTOS:





Point ID	241
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	FORESTED

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2450564.014	499046.365	982.900

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6236
Antenna Height	1.104

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/29/2015
Start Time (UTC)	
End Time (UTC)	5:29:54 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.001

PHOTOS:





Point ID	242
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	BARE EARTH

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2452511.717	477437.455	914.838

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6237
Antenna Height	1.105

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/29/2015
Start Time (UTC)	
End Time (UTC)	6:07:40 PM

Point Ties:

RMSE Hz: 0.004
RMSE Z: 0.001

PHOTOS:





Point ID	243
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	BARE EARTH

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2479423.757	445672.088	847.464

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6238
Antenna Height	1.106

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/29/2015
Start Time (UTC)	
End Time (UTC)	6:47:18 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.001

PHOTOS:





Point ID	244
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	URBAN

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2478840.351	477356.254	874.974

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6239
Antenna Height	1.107

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/29/2015
Start Time (UTC)	
End Time (UTC)	6:20:48 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.001

PHOTOS:





Point ID	245
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	URBAN

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2443451.711	447805.867	980.656

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6240
Antenna Height	1.108

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/29/2015
Start Time (UTC)	
End Time (UTC)	7:41:01 PM

Point Ties:

RMSE Hz: 0.002
RMSE Z: 0.004

PHOTOS:





Point ID	246
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	SHORT GRASS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2443812.587	466235.213	1003.358

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6241
Antenna Height	1.109

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/29/2015
Start Time (UTC)	
End Time (UTC)	8:00:43 PM

Point Ties:

RMSE Hz: 0.004
RMSE Z: 0.007

PHOTOS:





Point ID	247
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	SHORT GRASS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2457861.287	469126.394	887.742

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6242
Antenna Height	1.110

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/29/2015
Start Time (UTC)	
End Time (UTC)	8:15:04 PM

Point Ties:

RMSE Hz: 0.008
RMSE Z: 0.003

PHOTOS:





Point ID	248
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	URBAN

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2451784.156	514842.761	994.011

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6243
Antenna Height	1.111

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/30/2015
Start Time (UTC)	
End Time (UTC)	3:38:26 PM

Point Ties:

RMSE Hz: 0.004
RMSE Z: 0.001

PHOTOS:





Point ID	249
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	BARE EARTH

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2472113.488	520236.944	892.226

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6244
Antenna Height	1.112

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/30/2015
Start Time (UTC)	
End Time (UTC)	3:54:27 PM

Point Ties:

RMSE Hz: 0.001
RMSE Z: 0.001

PHOTOS:





Point ID	250
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	SPARCE GRASS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2462548.386	533697.086	903.075

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6245
Antenna Height	1.113

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/30/2015
Start Time (UTC)	
End Time (UTC)	4:39:34 PM

Point Ties:

RMSE Hz: 0.001
RMSE Z: 0.002

PHOTOS:





Point ID	251
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	URBAN

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2449611.860	530541.335	1000.930

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6246
Antenna Height	1.114

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/30/2015
Start Time (UTC)	
End Time (UTC)	5:38:39 PM

Point Ties:

RMSE Hz: 0.005
RMSE Z: 0.001

PHOTOS:





Point ID	252
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	SHORT GRASS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2430188.352	532195.851	1190.332

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6247
Antenna Height	1.115

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/30/2015
Start Time (UTC)	
End Time (UTC)	6:31:14 PM

Point Ties:

RMSE Hz: 0.004
RMSE Z: 0.004

PHOTOS:





Point ID	253
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	SHORT GRASS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2425285.227	514382.759	1162.710

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6248
Antenna Height	1.116

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/30/2015
Start Time (UTC)	
End Time (UTC)	8:09:39 PM

Point Ties:

RMSE Hz: 0.009
RMSE Z: 0.001

PHOTOS:





Point ID	254
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	BARE EARTH

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2436643.615	509412.445	1026.987

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6249
Antenna Height	1.117

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/30/2015
Start Time (UTC)	
End Time (UTC)	8:26:46 PM

Point Ties:

RMSE Hz: 0.004
RMSE Z: 0.001

PHOTOS:





Point ID	255
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	SHORT GRASS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2474901.857	545147.697	843.838

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6250
Antenna Height	1.118

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/1/2015
Start Time (UTC)	
End Time (UTC)	4:32:29 PM

Point Ties:

RMSE Hz: 0.008
RMSE Z: 0.001

PHOTOS:





Point ID	256
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	SHORT GRASS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2466262.182	559634.223	913.047

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6251
Antenna Height	1.119

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/1/2015
Start Time (UTC)	
End Time (UTC)	5:18:52 PM

Point Ties:

RMSE Hz: 0.004
RMSE Z: 0.003

PHOTOS:





Point ID	257
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	SHORT GRASS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2450911.330	558435.020	984.627

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6252
Antenna Height	1.120

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/1/2015
Start Time (UTC)	
End Time (UTC)	6:17:43 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.001

PHOTOS:





Point ID	258
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	CL WALK AT CL DR

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2438935.891	556655.279	949.595

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6253
Antenna Height	1.121

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/1/2015
Start Time (UTC)	
End Time (UTC)	6:34:21 PM

Point Ties:

RMSE Hz: 0.005
RMSE Z: 0.001

PHOTOS:





Point ID	259
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	SHORT GRASS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2419073.533	556616.133	1037.965

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6254
Antenna Height	1.122

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/1/2015
Start Time (UTC)	
End Time (UTC)	6:45:44 PM

Point Ties:

RMSE Hz: 0.004
RMSE Z: 0.001

PHOTOS:





Point ID	260
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	BARE EARTH

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2422039.922	534925.037	1022.000

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6255
Antenna Height	1.123

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/1/2015
Start Time (UTC)	
End Time (UTC)	8:12:51 PM

Point Ties:

RMSE Hz: 0.001
RMSE Z: 0.003

PHOTOS:





Point ID	261
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	BARE EARTH

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2435432.612	533878.912	1053.898

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6256
Antenna Height	1.124

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/1/2015
Start Time (UTC)	
End Time (UTC)	8:29:47 PM

Point Ties:

RMSE Hz: 0.011

RMSE Z: 0.001

PHOTOS:





LiDAR VVA Point Data Sheets



Point ID	300
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	LONG GRASS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2381244.711	328879.078	945.426

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6257
Antenna Height	1.125

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/23/2015
Start Time (UTC)	
End Time (UTC)	5:22:03 PM

Point Ties:

RMSE Hz: 0.001
RMSE Z: 0.009

PHOTOS:





Point ID	301
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	BRUSH

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2362000.588	341124.715	875.994

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6258
Antenna Height	1.126

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/23/2015
Start Time (UTC)	
End Time (UTC)	6:56:58 PM

Point Ties:

RMSE Hz: 0.006
RMSE Z: 0.001

PHOTOS:





Point ID	302
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	FORESTED, overhead canopy

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2385589.398	347054.796	1020.246

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6259
Antenna Height	1.127

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/23/2015
Start Time (UTC)	
End Time (UTC)	8:17:41 PM

Point Ties:

RMSE Hz: 0.004
RMSE Z: 0.012

PHOTOS:





Point ID	303
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	BRUSH

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2402411.290	356227.323	960.667

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6260
Antenna Height	1.128

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/23/2015
Start Time (UTC)	
End Time (UTC)	8:55:14 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.001

PHOTOS:





Point ID	304
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	FORESTED

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2416822.005	323803.864	851.200

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6261
Antenna Height	1.129

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/23/2015
Start Time (UTC)	
End Time (UTC)	9:38:05 PM

Point Ties:

RMSE Hz: 0.001
RMSE Z: 0.002

PHOTOS:





Point ID	305
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	LONG GRASS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2445817.578	372056.609	855.554

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6262
Antenna Height	1.130

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/24/2015
Start Time (UTC)	
End Time (UTC)	5:04:38 PM

Point Ties:

RMSE Hz: 0.002
RMSE Z: 0.003

PHOTOS:





Point ID	306
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	TALL WEEDS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2443701.580	361604.731	825.171

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6263
Antenna Height	1.131

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/24/2015
Start Time (UTC)	
End Time (UTC)	5:22:44 PM

Point Ties:

RMSE Hz: 0.005
RMSE Z: 0.004

PHOTOS:





Point ID	307
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	TALL WEEDS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2448557.569	328558.730	830.587

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6264
Antenna Height	1.132

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/24/2015
Start Time (UTC)	
End Time (UTC)	6:36:58 PM

Point Ties:

RMSE Hz: 0.002
RMSE Z: 0.001

PHOTOS:





Point ID	308
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Milwaukee
Description	TALL WEEDS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2486313.789	313440.791	822.513

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6265
Antenna Height	1.133

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/24/2015
Start Time (UTC)	
End Time (UTC)	7:40:19 PM

Point Ties:

RMSE Hz: 0.011
RMSE Z: 0.002

PHOTOS:





Point ID	309
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	FORESTED

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2467778.130	343526.883	835.914

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6266
Antenna Height	1.134

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/24/2015
Start Time (UTC)	
End Time (UTC)	8:40:12 PM

Point Ties:

RMSE Hz: 0.005
RMSE Z: 0.009

PHOTOS:





Point ID	310
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	LONG GRASS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2471326.038	360417.292	908.587

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6267
Antenna Height	1.135

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/25/2015
Start Time (UTC)	
End Time (UTC)	5:11:25 PM

Point Ties:

RMSE Hz: 0.004
RMSE Z: 0.001

PHOTOS:





Point ID	311
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	FORESTED

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2472554.415	392879.015	829.719

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6268
Antenna Height	1.136

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/25/2015
Start Time (UTC)	
End Time (UTC)	6:42:27 PM

Point Ties:

RMSE Hz: 0.014
RMSE Z: 0.004

PHOTOS:





Point ID	312
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	FORESTED

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2454600.776	427250.473	932.491

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6269
Antenna Height	1.137

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/25/2015
Start Time (UTC)	
End Time (UTC)	8:17:17 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.001

PHOTOS:





Point ID	313
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	LONG GRASS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2438203.435	411308.303	891.390

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6270
Antenna Height	1.138

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/26/2015
Start Time (UTC)	
End Time (UTC)	4:45:08 PM

Point Ties:

RMSE Hz: 0.002
RMSE Z: 0.001

PHOTOS:





Point ID	314
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	TALL WEEDS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2464673.910	434754.344	874.928

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6271
Antenna Height	1.139

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/26/2015
Start Time (UTC)	
End Time (UTC)	6:58:20 PM

Point Ties:

RMSE Hz: 0.005
RMSE Z: 0.001

PHOTOS:





Point ID	315
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	BRUSH

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2422739.032	420214.964	1011.279

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6272
Antenna Height	1.140

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/26/2015
Start Time (UTC)	
End Time (UTC)	8:42:25 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.001

PHOTOS:





Point ID	316
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	TREES/TALL WEEDS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2410544.522	402865.492	904.459

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6273
Antenna Height	1.141

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/26/2015
Start Time (UTC)	
End Time (UTC)	9:27:02 PM

Point Ties:

RMSE Hz: 0.009
RMSE Z: 0.004

PHOTOS:





Point ID	317
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	BRUSH

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2425951.019	403277.252	854.944

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6274
Antenna Height	1.142

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/26/2015
Start Time (UTC)	
End Time (UTC)	9:51:57 PM

Point Ties:

RMSE Hz: 0.009
RMSE Z: 0.004

PHOTOS:





Point ID	318
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	TREES/BRUSH

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2424569.814	383012.691	985.705

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6275
Antenna Height	1.143

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/27/2015
Start Time (UTC)	
End Time (UTC)	5:44:07 PM

Point Ties:

RMSE Hz: 0.005
RMSE Z: 0.006

PHOTOS:





Point ID	319
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	FORESTED

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2390622.451	410342.814	906.803

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6276
Antenna Height	1.144

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/27/2015
Start Time (UTC)	
End Time (UTC)	6:29:58 PM

Point Ties:

RMSE Hz: 0.002
RMSE Z: 0.003

PHOTOS:





Point ID	320
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	MARSH GRASS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2366636.049	423359.514	879.578

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6277
Antenna Height	1.145

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/27/2015
Start Time (UTC)	
End Time (UTC)	8:01:21 PM

Point Ties:

RMSE Hz: 0.006
RMSE Z: 0.003

PHOTOS:





Point ID	321
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	TALL WEEDS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2380037.328	390905.946	887.310

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6278
Antenna Height	1.146

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/27/2015
Start Time (UTC)	
End Time (UTC)	8:36:23 PM

Point Ties:

RMSE Hz: 0.001
RMSE Z: 0.004

PHOTOS:





Point ID	322
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	LONG GRASS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2395076.658	448843.848	975.985

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6279
Antenna Height	1.147

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/28/2015
Start Time (UTC)	
End Time (UTC)	4:38:09 PM

Point Ties:

RMSE Hz: 0.002
RMSE Z: 0.01

PHOTOS:





Point ID	323
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	FORESTED

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2417315.434	450448.743	964.898

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6280
Antenna Height	1.148

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/28/2015
Start Time (UTC)	
End Time (UTC)	5:52:49 PM

Point Ties:

RMSE Hz: 0.001
RMSE Z: 0.002

PHOTOS:





Point ID	324
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	FORESTED

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2418670.291	484843.053	1150.392

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6281
Antenna Height	1.149

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/28/2015
Start Time (UTC)	
End Time (UTC)	6:57:29 PM

Point Ties:

RMSE Hz: 0.011
RMSE Z: 0.002

PHOTOS:





Point ID	325
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	TALL REEDS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2407252.767	492317.859	1016.622

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6282
Antenna Height	1.150

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/28/2015
Start Time (UTC)	
End Time (UTC)	8:32:39 PM

Point Ties:

RMSE Hz: 0.004
RMSE Z: 0.001

PHOTOS:





Point ID	326
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	FORESTED, overhead canopy

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2467717.652	493178.862	836.500

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6283
Antenna Height	1.151

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/29/2015
Start Time (UTC)	
End Time (UTC)	5:12:07 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.001

PHOTOS:





Point ID	327
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	TALL WEEDS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2446716.937	499639.985	997.095

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6284
Antenna Height	1.152

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/29/2015
Start Time (UTC)	
End Time (UTC)	5:41:37 PM

Point Ties:

RMSE Hz: 0.004
RMSE Z: 0.003

PHOTOS:





Point ID	328
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	BRUSH

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2476182.597	466838.547	858.719

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6285
Antenna Height	1.153

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/29/2015
Start Time (UTC)	
End Time (UTC)	6:31:10 PM

Point Ties:

RMSE Hz: 0.008
RMSE Z: 0.001

PHOTOS:





Point ID	329
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	WOODED PARK

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2459916.875	455296.310	898.575

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6286
Antenna Height	1.154

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/29/2015
Start Time (UTC)	
End Time (UTC)	7:18:42 PM

Point Ties:

RMSE Hz: 0.001
RMSE Z: 0.001

PHOTOS:





Point ID	330
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	FORESTED

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2478759.988	525250.909	851.987

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6287
Antenna Height	1.155

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/30/2015
Start Time (UTC)	
End Time (UTC)	4:19:18 PM

Point Ties:

RMSE Hz: 0.002
RMSE Z: 0.002

PHOTOS:





Point ID	331
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	TALL GRASS/TREE S

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2445649.113	509354.755	1033.153

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6288
Antenna Height	1.156

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/30/2015
Start Time (UTC)	
End Time (UTC)	5:21:49 PM

Point Ties:

RMSE Hz: 0.008
RMSE Z: 0.001

PHOTOS:





Point ID	332
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	CROPS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2419672.879	524177.872	1137.641

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6289
Antenna Height	1.157

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/30/2015
Start Time (UTC)	
End Time (UTC)	6:42:23 PM

Point Ties:

RMSE Hz: 0.004
RMSE Z: 0.001

PHOTOS:





Point ID	333
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	BRUSH

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2404277.990	529959.310	942.755

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6290
Antenna Height	1.158

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/30/2015
Start Time (UTC)	
End Time (UTC)	7:15:18 PM

Point Ties:

RMSE Hz: 0.006
RMSE Z: 0.003

PHOTOS:





Point ID	334
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	LONG GRASS/TREES

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2450993.582	546319.301	995.049

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6291
Antenna Height	1.159

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/1/2015
Start Time (UTC)	
End Time (UTC)	4:05:53 PM

Point Ties:

RMSE Hz: 0.006
RMSE Z: 0.001

PHOTOS:





Point ID	335
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	BRUSH

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2486054.282	562722.544	805.661

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6292
Antenna Height	1.160

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/1/2015
Start Time (UTC)	
End Time (UTC)	4:57:43 PM

Point Ties:

RMSE Hz: 0.005
RMSE Z: 0.001

PHOTOS:





Point ID	336
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	FORESTED

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2400521.456	548439.086	935.690

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6293
Antenna Height	1.161

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/1/2015
Start Time (UTC)	
End Time (UTC)	7:20:30 PM

Point Ties:

RMSE Hz: 0.004
RMSE Z: 0.006

PHOTOS:





Point ID	337
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	TALL WEEDS

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2418858.485	541820.660	1055.958

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6294
Antenna Height	1.162

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/1/2015
Start Time (UTC)	
End Time (UTC)	8:00:56 PM

Point Ties:

RMSE Hz: 0.006
RMSE Z: 0.002

PHOTOS:





Imagery Photo-ID Point Data Sheets



Point ID	400
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Milwaukee
Description	TARGET

X	Aerial Target
	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2486052.595	318758.803	808.332

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6295
Antenna Height	1.163

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/24/2015
Start Time (UTC)	
End Time (UTC)	7:54:09 PM

Point Ties:

RMSE Hz: 0.001
RMSE Z: 0.001

PHOTOS:





Point ID	401
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	TARGET

X	Aerial Target
	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2461557.287	347023.411	875.678

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6296
Antenna Height	1.164

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/24/2015
Start Time (UTC)	
End Time (UTC)	8:52:34 PM

Point Ties:

RMSE Hz: 0.005
RMSE Z: 0.003

PHOTOS:





Point ID	402
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	NE COR VAULT

	Aerial Target
	LiDAR Ground Control
	LiDAR QC Point
	New Control
X	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2485316.686	379057.626	731.222

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6297
Antenna Height	1.165

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/25/2015
Start Time (UTC)	
End Time (UTC)	5:42:59 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.001

PHOTOS:





Point ID	403
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Ozaukee
Description	ARROW TIP

	Aerial Target
	LiDAR Ground Control
	LiDAR QC Point
	New Control
X	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2485018.027	440513.054	766.025

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6298
Antenna Height	1.166

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/26/2015
Start Time (UTC)	
End Time (UTC)	6:29:37 PM

Point Ties:

RMSE Hz: 0.004
RMSE Z: 0.004

PHOTOS:





Point ID	404
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	CRACK AT CHANGE

	Aerial Target
	LiDAR Ground Control
	LiDAR QC Point
	New Control
X	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2421782.507	439493.403	1070.765

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6299
Antenna Height	1.167

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/26/2015
Start Time (UTC)	
End Time (UTC)	7:47:56 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.004

PHOTOS:





Point ID	405
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	NE COR STOP BAR

	Aerial Target
	LiDAR Ground Control
	LiDAR QC Point
	New Control
X	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2366441.740	439347.657	893.712

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6300
Antenna Height	1.168

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/27/2015
Start Time (UTC)	
End Time (UTC)	7:28:54 PM

Point Ties:

RMSE Hz: 0.004
RMSE Z: 0.001

PHOTOS:





Point ID	406
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	TARGET

X	Aerial Target
	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2375943.807	391893.637	878.983

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6301
Antenna Height	1.169

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/27/2015
Start Time (UTC)	
End Time (UTC)	8:43:38 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.001

PHOTOS:





Point ID	407
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	COR HTCHD AREA

	Aerial Target
	LiDAR Ground Control
	LiDAR QC Point
	New Control
X	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2360333.163	377544.337	857.421

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6302
Antenna Height	1.170

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/27/2015
Start Time (UTC)	
End Time (UTC)	9:08:59 PM

Point Ties:

RMSE Hz: 0.002
RMSE Z: 0.012

PHOTOS:





Point ID	408
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Waukesha
Description	NE COR DR

Aerial Target	
LiDAR Ground Control	
LiDAR QC Point	
New Control	
X Photo ID	
Published Control	

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2358676.950	376752.516	872.648

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6303
Antenna Height	1.171

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/27/2015
Start Time (UTC)	
End Time (UTC)	9:14:16 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.001

PHOTOS:





Point ID	409
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Dodge
Description	PPL

	Aerial Target
	LiDAR Ground Control
	LiDAR QC Point
	New Control
X	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2373201.928	503217.209	1167.932

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6304
Antenna Height	1.172

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/28/2015
Start Time (UTC)	
End Time (UTC)	9:18:00 PM

Point Ties:

RMSE Hz: 0.005
RMSE Z: 0.001

PHOTOS:





Point ID	410V
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Dodge
Description	CLCL

	Aerial Target
	LiDAR Ground Control
	LiDAR QC Point
	New Control
X	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2373171.390	503235.902	1169.298

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6305
Antenna Height	1.173

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/28/2015
Start Time (UTC)	
End Time (UTC)	9:19:17 PM

Point Ties:

RMSE Hz: 0.004
RMSE Z: 0.002

PHOTOS:





Point ID	411
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Dodge
Description	COR BLACKTOP

	Aerial Target
	LiDAR Ground Control
	LiDAR QC Point
	New Control
X	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2377954.415	503327.272	1116.256

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6306
Antenna Height	1.174

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/28/2015
Start Time (UTC)	
End Time (UTC)	9:25:36 PM

Point Ties:

RMSE Hz: 0.005
RMSE Z: 0.001

PHOTOS:





Point ID	412
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	SW COR HATCHED

	Aerial Target
	LiDAR Ground Control
	LiDAR QC Point
	New Control
X	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2478390.319	525354.854	856.626

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6307
Antenna Height	1.175

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/30/2015
Start Time (UTC)	
End Time (UTC)	4:23:58 PM

Point Ties:

RMSE Hz: 0.001
RMSE Z: 0.001

PHOTOS:





Point ID	413
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	NE COR STOP BAR

Aerial Target	
LiDAR Ground Control	
LiDAR QC Point	
New Control	
X Photo ID	
Published Control	

Coordinate System	NAD83(2011)
Wisconsin South	NAVD88
GEOID12A	US Foot

Northing	Easting	Elevation
2408825.206	530072.869	1060.645

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6308
Antenna Height	1.176

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	4/30/2015
Start Time (UTC)	
End Time (UTC)	6:56:19 PM

Point Ties:

RMSE Hz: 0.028
RMSE Z: 0.002

PHOTOS:





Point ID	414
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	SW COR STOP BAR

	Aerial Target
	LiDAR Ground Control
	LiDAR QC Point
	New Control
X	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2472079.053	562384.722	878.854

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6309
Antenna Height	1.177

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/1/2015
Start Time (UTC)	
End Time (UTC)	5:44:32 PM

Point Ties:

RMSE Hz: 0.006
RMSE Z: 0.001

PHOTOS:





Point ID	415
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	LARGE TARGET

X	Aerial Target
	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2456074.692	567738.313	1036.788

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6310
Antenna Height	1.178

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/1/2015
Start Time (UTC)	
End Time (UTC)	5:55:18 PM

Point Ties:

RMSE Hz: 0.004
RMSE Z: 0.001

PHOTOS:





Point ID	416
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	TARGET

X	Aerial Target
	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2392641.928	565140.897	969.216

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6311
Antenna Height	1.179

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/1/2015
Start Time (UTC)	
End Time (UTC)	7:02:20 PM

Point Ties:

RMSE Hz: 0.002
RMSE Z: 0.003

PHOTOS:





Point ID	417
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Washington
Description	TARGET

X	Aerial Target
	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2403342.409	535524.122	989.274

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6312
Antenna Height	1.180

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/1/2015
Start Time (UTC)	
End Time (UTC)	7:48:06 PM

Point Ties:

RMSE Hz: 0.004
RMSE Z: 0.001

PHOTOS:





Point ID	418
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Ozaukee
Description	COR PATCH

	Aerial Target
	LiDAR Ground Control
	LiDAR QC Point
	New Control
X	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2551610.221	569407.139	652.522

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6313
Antenna Height	1.181

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/4/2015
Start Time (UTC)	
End Time (UTC)	2:04:41 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.001

PHOTOS:





Point ID	419
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Ozaukee
Description	ARROW TIP

	Aerial Target
	LiDAR Ground Control
	LiDAR QC Point
	New Control
X	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2521121.890	473580.280	671.237

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6314
Antenna Height	1.182

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/4/2015
Start Time (UTC)	
End Time (UTC)	7:02:06 PM

Point Ties:

RMSE Hz: 0.005
RMSE Z: 0.002

PHOTOS:





Point ID	420
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Milwaukee
Description	CL MH

Aerial Target	
LiDAR Ground Control	
LiDAR QC Point	
New Control	
X Photo ID	
Published Control	

Coordinate System	NAD83(2011)
Wisconsin South	NAVD88
GEOID12A	
US Foot	

Northing	Easting	Elevation
2529787.273	441468.731	669.796

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6315
Antenna Height	1.183

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/4/2015
Start Time (UTC)	
End Time (UTC)	8:43:52 PM

Point Ties:

RMSE Hz: 0.002
RMSE Z: 0.007

PHOTOS:





Point ID	421
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Milwaukee
Description	INT PARK STRIPES

	Aerial Target
	LiDAR Ground Control
	LiDAR QC Point
	New Control
X	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2544643.998	332345.850	673.130

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6316
Antenna Height	1.184

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/6/2015
Start Time (UTC)	
End Time (UTC)	5:17:45 PM

Point Ties:

RMSE Hz: 0.001
RMSE Z: 0.002

PHOTOS:





Point ID	422
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Milwaukee
Description	ARROW TIP

	Aerial Target
	LiDAR Ground Control
	LiDAR QC Point
	New Control
X	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2544421.527	314580.723	696.660

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6317
Antenna Height	1.185

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/6/2015
Start Time (UTC)	
End Time (UTC)	5:48:03 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.001

PHOTOS:





Point ID	423
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Racine
Description	ARROW TIP

	Aerial Target
	LiDAR Ground Control
	LiDAR QC Point
	New Control
X	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2557636.414	251098.296	622.850

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6318
Antenna Height	1.186

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/6/2015
Start Time (UTC)	
End Time (UTC)	7:18:53 PM

Point Ties:

RMSE Hz: 0.005
RMSE Z: 0.003

PHOTOS:





Point ID	424
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Kenosha
Description	CL MH

	Aerial Target
	LiDAR Ground Control
	LiDAR QC Point
	New Control
X	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2557634.368	251138.649	623.603

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6319
Antenna Height	1.187

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/6/2015
Start Time (UTC)	
End Time (UTC)	7:20:25 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.002

PHOTOS:





Point ID	425
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Racine
Description	NE COR STOP BAR

	Aerial Target
	LiDAR Ground Control
	LiDAR QC Point
	New Control
X	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2492441.201	250228.061	744.672

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6320
Antenna Height	1.188

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/6/2015
Start Time (UTC)	
End Time (UTC)	7:54:58 PM

Point Ties:

RMSE Hz: 0.005
RMSE Z: 0.009

PHOTOS:





Point ID	426
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Racine
Description	INT CRACKS AT CL

	Aerial Target
	LiDAR Ground Control
	LiDAR QC Point
	New Control
X	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2456195.049	229533.747	777.397

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6321
Antenna Height	1.189

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/6/2015
Start Time (UTC)	
End Time (UTC)	8:31:09 PM

Point Ties:

RMSE Hz: 0.003
RMSE Z: 0.003

PHOTOS:





Point ID	427
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Walworth
Description	SE COR CONC

Aerial Target	
LiDAR Ground Control	
LiDAR QC Point	
New Control	
X Photo ID	
Published Control	

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2421835.369	186304.677	863.091

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6322
Antenna Height	1.190

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/7/2015
Start Time (UTC)	
End Time (UTC)	4:54:07 PM

Point Ties:

RMSE Hz: 0.009
RMSE Z: 0.003

PHOTOS:





Point ID	428
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Walworth
Description	INT CRACKS

	Aerial Target
	LiDAR Ground Control
	LiDAR QC Point
	New Control
X	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2415186.303	291605.959	815.052

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6323
Antenna Height	1.191

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/7/2015
Start Time (UTC)	
End Time (UTC)	7:26:49 PM

Point Ties:

RMSE Hz: 0.005
RMSE Z: 0.001

PHOTOS:





Point ID	429
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Walworth
Description	W EDGE AT CRACK

	Aerial Target
	LiDAR Ground Control
	LiDAR QC Point
	New Control
X	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2366110.646	184004.774	1068.414

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6324
Antenna Height	1.192

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/8/2015
Start Time (UTC)	
End Time (UTC)	2:53:20 PM

Point Ties:

RMSE Hz: 0.005
RMSE Z: 0.001

PHOTOS:





Point ID	430
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Walworth
Description	INT CRACK AT BL T

Aerial Target	
LiDAR Ground Control	
LiDAR QC Point	
New Control	
X Photo ID	
Published Control	

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2362179.563	183850.103	1105.740

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6325
Antenna Height	1.193

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/8/2015
Start Time (UTC)	
End Time (UTC)	3:00:12 PM

Point Ties:

RMSE Hz: 0.004
RMSE Z: 0.001

PHOTOS:





Point ID	431
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Walworth
Description	W END CL DASH

	Aerial Target
	LiDAR Ground Control
	LiDAR QC Point
	New Control
X	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2298401.139	186989.317	949.530

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6326
Antenna Height	1.194

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/8/2015
Start Time (UTC)	
End Time (UTC)	3:33:11 PM

Point Ties:

RMSE Hz: 0.005
RMSE Z: 0.003

PHOTOS:





Point ID	432
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Walworth
Description	TARGET

X	Aerial Target
	LiDAR Ground Control
	LiDAR QC Point
	New Control
	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2308458.642	245926.986	955.399

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6327
Antenna Height	1.195

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/8/2015
Start Time (UTC)	
End Time (UTC)	4:51:36 PM

Point Ties:

RMSE Hz: 0.002
RMSE Z: 0.001

PHOTOS:





Point ID	433
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Walworth
Description	BEGIN FOGLINE

	Aerial Target
	LiDAR Ground Control
	LiDAR QC Point
	New Control
X	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2297559.027	245754.420	939.865

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6328
Antenna Height	1.196

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/8/2015
Start Time (UTC)	
End Time (UTC)	4:57:23 PM

Point Ties:

RMSE Hz: 0.001
RMSE Z: 0.003

PHOTOS:





Point ID	434
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Jefferson
Description	EDGE RD AT CRACK

Aerial Target	
LiDAR Ground Control	
LiDAR QC Point	
New Control	
X Photo ID	
Published Control	

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2287277.321	321048.674	844.927

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6329
Antenna Height	1.197

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/8/2015
Start Time (UTC)	
End Time (UTC)	6:35:50 PM

Point Ties:

RMSE Hz: 0.001
RMSE Z: 0.001

PHOTOS:





Point ID	435
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Jefferson
Description	W ED AT CHANGE

	Aerial Target
	LiDAR Ground Control
	LiDAR QC Point
	New Control
X	Photo ID
	Published Control

Coordinate System	
NAD83(2011)	
Wisconsin South	
NAVD88	
GEOID12A	
US Foot	

Northing	Easting	Elevation
2348238.781	429361.099	856.379

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6330
Antenna Height	1.198

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/8/2015
Start Time (UTC)	
End Time (UTC)	7:55:47 PM

Point Ties:

RMSE Hz: 0.005
RMSE Z: 0.003

PHOTOS:





Point ID	436
Project No.	26119
Project Name	2015 SEWRPC Imagery and LiDAR Control Survey
State	Wisconsin
County	Jefferson
Description	PPL

	Aerial Target
	LiDAR Ground Control
	LiDAR QC Point
	New Control
X	Photo ID
	Published Control

Coordinate System	NAD83(2011)
	Wisconsin South
	NAVD88
	GEOID12A
	US Foot

Northing	Easting	Elevation
2348235.376	429334.301	854.873

Operator	WJN
Receiver Model	Leica GS15
Receiver S/N	6331
Antenna Height	1.199

Static Session	WISCORS RTN
Date (MM-DD-YYYY)	5/8/2015
Start Time (UTC)	
End Time (UTC)	12:00:00 AM

Point Ties:

RMSE Hz: 0.002

RMSE Z: 0.001

PHOTOS:

