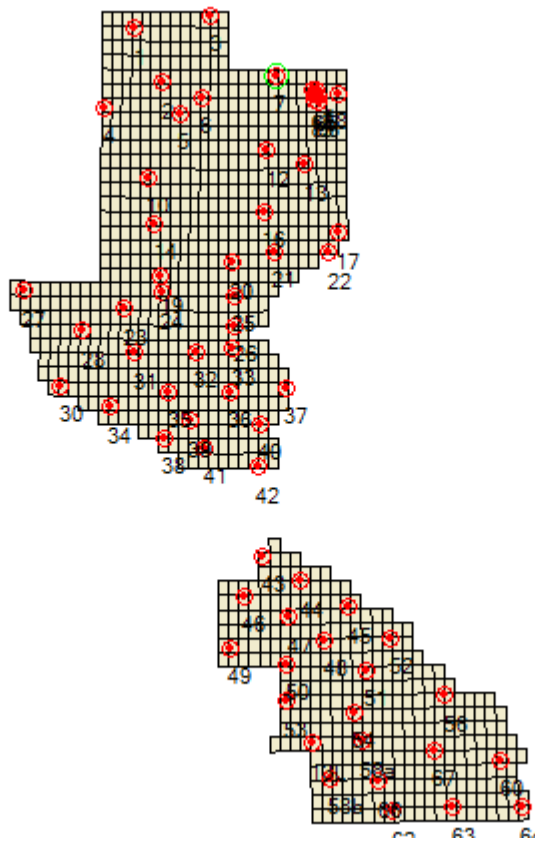

Project Information

Prepared By: Tim Bohn
Project Name: MN DNR Fall 2011 Orthophotography
Sensor Info: DMC
Sensor Resolution: 0.5
Vendor Name: Surdex Corp
Date of Aquisition: Start: 9/30/2011 Finish: 10/6/2011

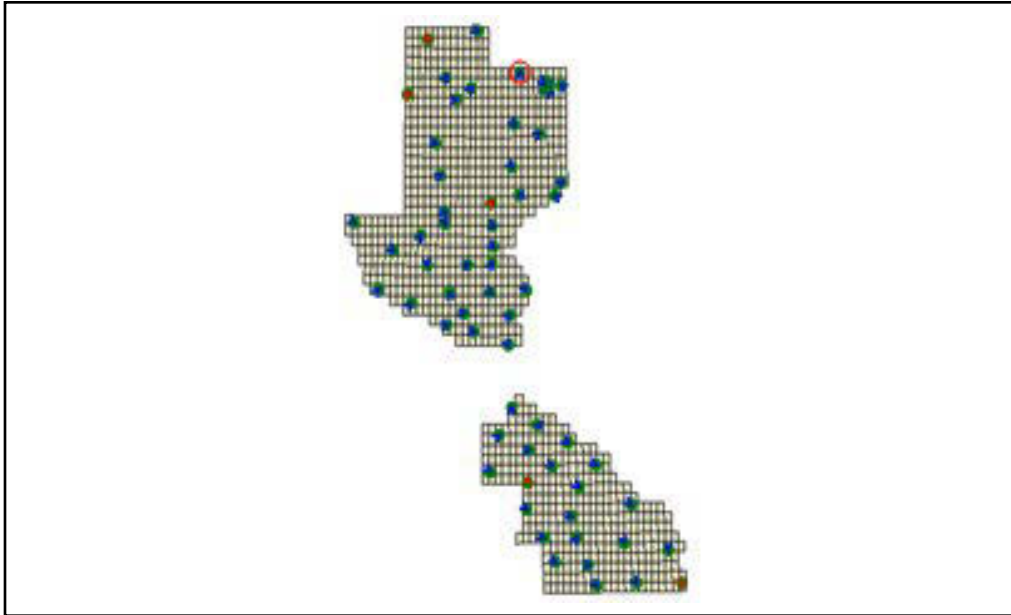
Metadata Information

Index File Name: doqq_all.shp
of Polygons: 1028
of Matching Images: 1028
Polygon ID: TILE_NAME
Units: Meters
Image Folder Path: I:\2100904\client_tiles-remap
Threshold: NSSDA: 2.096
Scaling Used: 1:25050

Tiled-Image Area

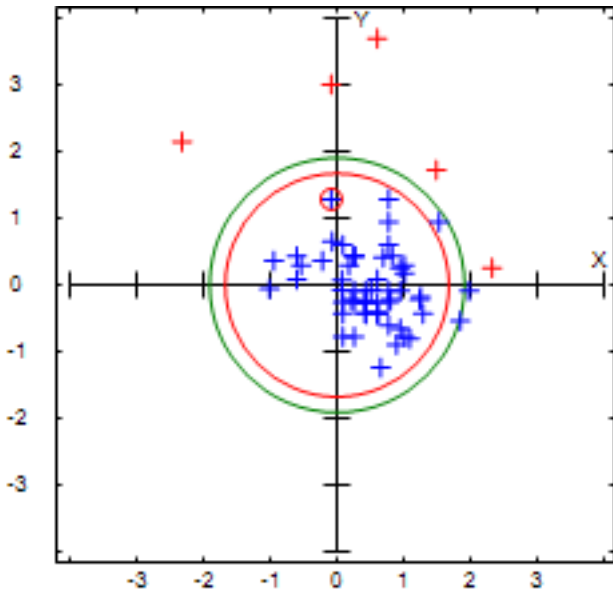


Vector Offset



Scaling Factor: 1000

Circular Error



Error Statistics

Min ΔX :	-2.322	Min ΔY :	-1.237	SX:	0.715
Max ΔX :	2.322	Max ΔY :	3.698	SY:	0.845
Mean ΔX :	0.497	Mean ΔY :	0.121	SH:	0.78
Skew ΔX :	-0.781	Skew ΔY :	2.075		
RmseX:	0.866	RmseY:	0.847	RmseH:	1.211
SRMSE H:	0.097				
CE 90:	1.674	CE 95:	1.909	CI:	0.19
No. Observations:	65				
Horiz. Bias:	0.511		NSSDA:	2.096	

Coordinates and Offsets of Analyzed Locations

	ID						
		Survey X	Survey Y	Photo X	Photo Y	ΔX	ΔY
1)	<input checked="" type="checkbox"/> 38						
		468299.47	5004427.303	468300.484	5004427.482	1.012	0.179
2)	<input checked="" type="checkbox"/> 39						
		480932.47	5012593.771	480933.717	5012593.592	1.25	-0.179
3)	<input checked="" type="checkbox"/> 40						
		515365.46	5011402.523	515366.157	5011402.94	0.695	0.417
4)	<input checked="" type="checkbox"/> 41						
		488405.46	4999747.836	488406.697	4999747.618	1.237	-0.218
5)	<input checked="" type="checkbox"/> 42						
		514117.61	4990342.261	514118.268	4990341.024	0.655	-1.237
6)	<input checked="" type="checkbox"/> c3						
		541439.4	5169424.466	541440.202	5169424.248	0.8	-0.218
7)	<input checked="" type="checkbox"/> c6						
		543960.62	5168710.448	543960.402	5168710.812	-0.218	0.364
8)	<input checked="" type="checkbox"/> c5						
		543726.39	5171811.159	543726.901	5171811.086	0.509	-0.073
9)	<input checked="" type="checkbox"/> c4						
		542533.22	5174557.07	542532.276	5174557.434	-0.946	0.364
10)	<input checked="" type="checkbox"/> c1						
		540907.49	5174506.447	540908.431	5174505.792	0.946	-0.655

		ID					
		Survey X	Survey Y	Photo X	Photo Y	ΔX	ΔY
11)	<input checked="" type="checkbox"/>	c2					
		541457.907	5172424.892	541458.125	5172424.674	0.218	-0.218
12)	<input checked="" type="checkbox"/>	34					
		441999.109	5019811.383	441999.182	5019811.456	0.073	0.073
13)	<input checked="" type="checkbox"/>	35					
		470598.565	5026988.667	470598.492	5026989.322	-0.073	0.655
14)	<input checked="" type="checkbox"/>	36					
		500587.704	5026987.432	500588.795	5026986.632	1.091	-0.8
15)	<input checked="" type="checkbox"/>	37					
		527747.391	5028830.102	527747.464	5028830.029	0.073	-0.073
16)	<input checked="" type="checkbox"/>	17					
		553436.87	5104432.766	553438.398	5104433.712	1.528	0.946
17)	<input checked="" type="checkbox"/>	20					
		501469.963	5089817.123	501471.451	5089818.849	1.488	1.726
18)	<input checked="" type="checkbox"/>	21					
		522216.252	5095379.653	522215.24	5095379.593	-1.012	-0.06
19)	<input checked="" type="checkbox"/>	22					
		548730.454	5095027.392	548729.918	5095027.69	-0.536	0.298
20)	<input checked="" type="checkbox"/>	25					
		502309.825	5074034.654	502311.67	5074034.118	1.845	-0.536

		ID					
		Survey X	Survey Y	Photo X	Photo Y	ΔX	ΔY
21)	<input checked="" type="checkbox"/>	26					
		503012.555	5059388.117	503013.567	5059387.343	1.012	-0.774
22)	<input checked="" type="checkbox"/>	32					
		484018.315	5046572.521	484019.327	5046572.819	1.012	0.298
23)	<input checked="" type="checkbox"/>	33					
		501962.883	5047821.96	501963.062	5047822.258	0.179	0.298
24)	<input checked="" type="checkbox"/>	12					
		518601.242	5144858.859	518602.135	5144857.966	0.893	-0.893
25)	<input checked="" type="checkbox"/>	13					
		537048.812	5138141.675	537049.639	5138142.105	0.827	0.43
26)	<input checked="" type="checkbox"/>	16					
		516876.931	5115026.159	516877.361	5115025.729	0.43	-0.43
27)	<input checked="" type="checkbox"/>	8					
		553314.091	5172501.788	553313.489	5172502.218	-0.602	0.43
28)	<input checked="" type="checkbox"/>	10					
		460252.212	5131764.185	460252.986	5131764.099	0.774	-0.086
29)	<input checked="" type="checkbox"/>	14					
		463750.881	5109074.355	463751.827	5109074.613	0.946	0.258
30)	<input checked="" type="checkbox"/>	19					
		466878.534	5083157.29	466879.824	5083156.86	1.29	-0.43

	ID						
		Survey X	Survey Y	Photo X	Photo Y	ΔX	ΔY
31)	<input checked="" type="checkbox"/>	23					
		448913.146	5067347.52	448913.404	5067347.95	0.258	0.43
32)	<input checked="" type="checkbox"/>	24					
		467048.66	5075253.649	467048.918	5075252.875	0.258	-0.774
33)	<input checked="" type="checkbox"/>	27					
		399653.241	5076275.755	399653.843	5076275.325	0.602	-0.43
34)	<input checked="" type="checkbox"/>	28					
		428331.038	5056692.229	428331.812	5056691.627	0.774	-0.602
35)	<input checked="" type="checkbox"/>	30					
		417640.82	5029698.145	417641.078	5029698.575	0.258	0.43
36)	<input checked="" type="checkbox"/>	31					
		454033.035	5046107.979	454033.121	5046107.549	0.086	-0.43
37)	<input checked="" type="checkbox"/>	1					
		454119.847	5204610.439	454119.761	5204613.449	-0.086	3.01
38)	<input checked="" type="checkbox"/>	2					
		467565.633	5177890.439	467566.407	5177891.729	0.774	1.29
39)	<input checked="" type="checkbox"/>	3					
		491314.657	5210609.694	491315.431	5210609.436	0.774	-0.258
40)	<input checked="" type="checkbox"/>	4					
		439271.553	5165880.207	439273.875	5165880.465	2.322	0.258

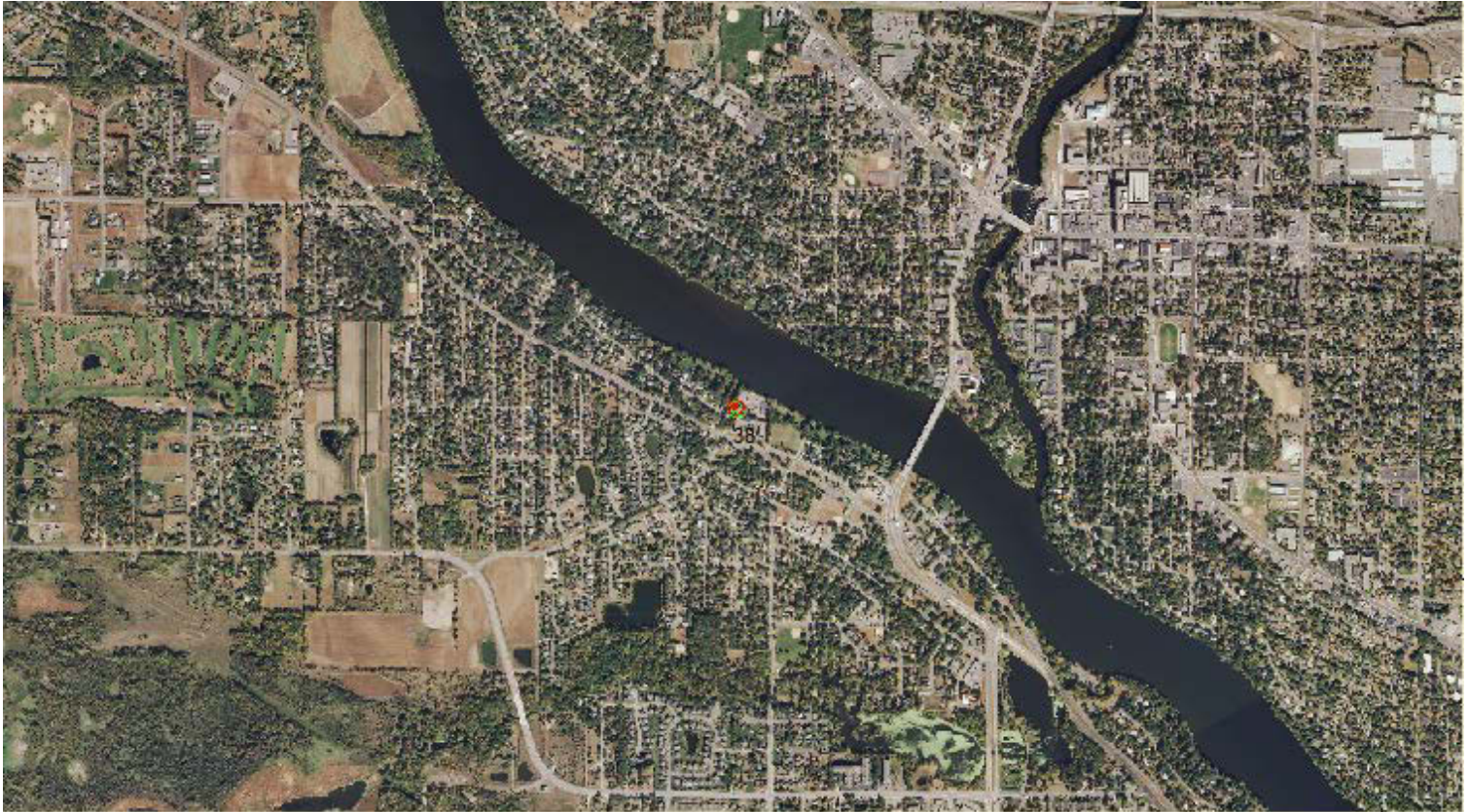
		ID					
		Survey X	Survey Y	Photo X	Photo Y	ΔX	ΔY
41)	<input checked="" type="checkbox"/>	5					
		475759.409	5162646.438	475760.011	5162646.524	0.602	0.086
42)	<input checked="" type="checkbox"/>	6					
		486525.612	5170503.626	486526.386	5170504.572	0.774	0.946
43)	<input checked="" type="checkbox"/>	7					
		522783.735	5181431.111	522783.649	5181432.401	-0.086	1.29
44)	<input checked="" type="checkbox"/>	43					
		516747.077	4946659.657	516747.163	4946660.259	0.086	0.602
45)	<input checked="" type="checkbox"/>	44					
		535357.981	4934526.887	535357.379	4934526.973	-0.602	0.086
46)	<input checked="" type="checkbox"/>	45					
		558543.384	4921991.898	558543.986	4921991.468	0.602	-0.43
47)	<input checked="" type="checkbox"/>	46					
		507478.899	4927284.806	507479.673	4927285.408	0.774	0.602
48)	<input checked="" type="checkbox"/>	47					
		529550.318	4916824.495	529551.264	4916824.409	0.946	-0.086
49)	<input checked="" type="checkbox"/>	48					
		546954.07	4905711.476	546954.672	4905711.218	0.602	-0.258
50)	<input checked="" type="checkbox"/>	49					
		500566.909	4901556.108	500567.167	4901555.85	0.258	-0.258

	ID						
		Survey X	Survey Y	Photo X	Photo Y	ΔX	ΔY
51)	<input checked="" type="checkbox"/> 13L						
		540452.104	4855461.55	540452.362	4855461.464	0.258	-0.086
52)	<input checked="" type="checkbox"/> 50						
		528576.643	4893944.36	528577.245	4893948.058	0.602	3.698
53)	<input checked="" type="checkbox"/> 51						
		566760.19	4890980.627	566760.62	4890980.369	0.43	-0.258
54)	<input checked="" type="checkbox"/> 52						
		579423.052	4906392.242	579423.482	4906391.984	0.43	-0.258
55)	<input checked="" type="checkbox"/> 53						
		527620.229	4875570.881	527620.831	4875570.451	0.602	-0.43
56)	<input checked="" type="checkbox"/> 54						
		561258.271	4870583.519	561258.701	4870583.433	0.43	-0.086
57)	<input checked="" type="checkbox"/> 56						
		605795.249	4878745.01	605795.679	4878744.752	0.43	-0.258
58)	<input checked="" type="checkbox"/> 58a						
		565168.948	4856016.35	565169.206	4856016.78	0.258	0.43
59)	<input checked="" type="checkbox"/> 58b						
		549270.58	4838359.812	549271.182	4838359.382	0.602	-0.43
60)	<input checked="" type="checkbox"/> 62						
		579942.177	4821909.595	579942.779	4821909.165	0.602	-0.43

		ID					
		Survey X	Survey Y	Photo X	Photo Y	ΔX	ΔY
61)	<input checked="" type="checkbox"/>	63					
		609630.962	4823974.321	609631.392	4823973.891	0.43	-0.43
62)	<input checked="" type="checkbox"/>	66					
		573389.499	4836463.119	573391.477	4836463.033	1.978	-0.086
63)	<input checked="" type="checkbox"/>	67					
		600270.069	4851603.077	600270.155	4851602.819	0.086	-0.258
64)	<input checked="" type="checkbox"/>	60					
		633175.129	4846964.914	633175.215	4846964.14	0.086	-0.774
65)	<input checked="" type="checkbox"/>	64					
		643097.644	4823855.439	643095.322	4823857.589	-2.322	2.15

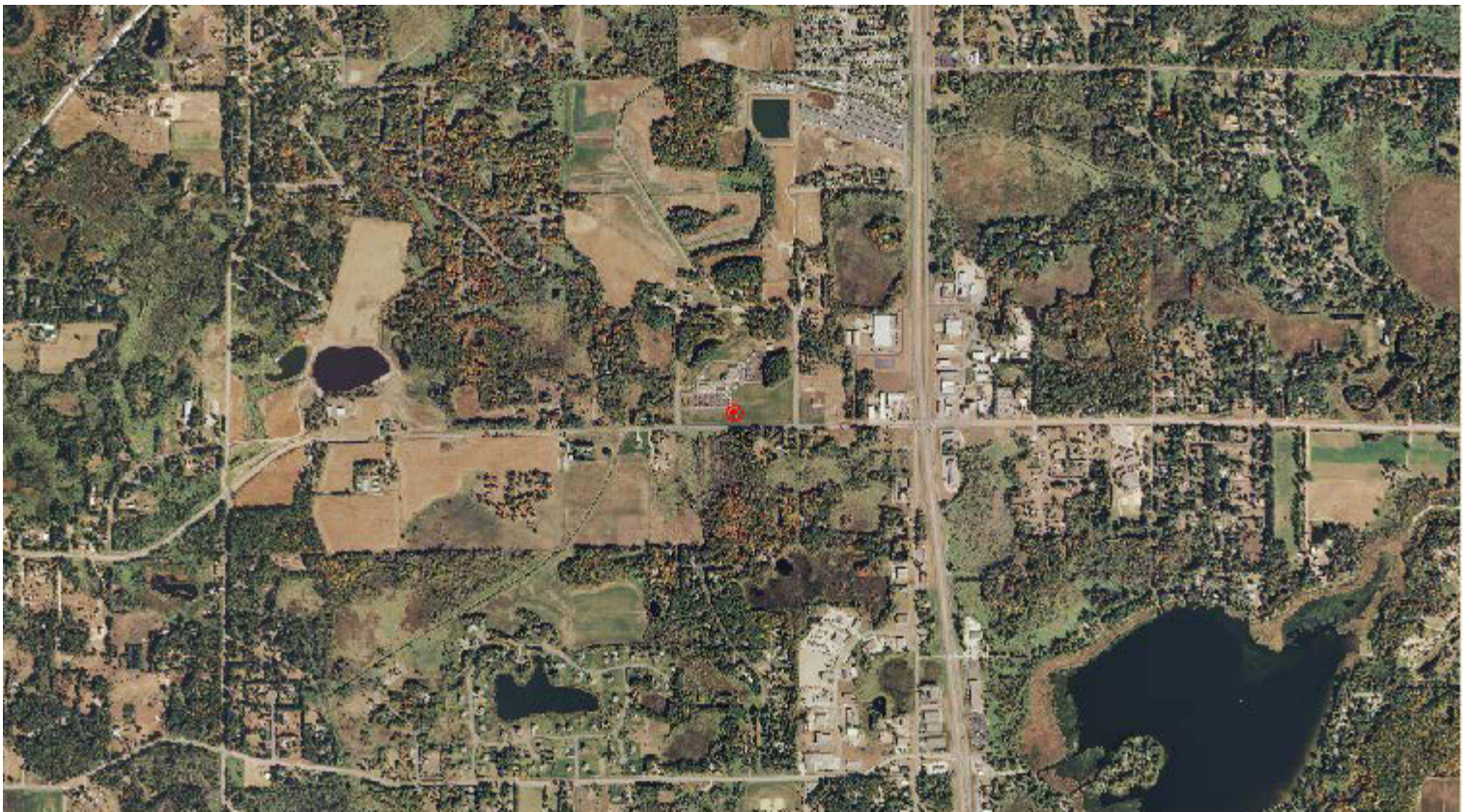
Point 38:

X1: 468299.472 Y1: 5004427.303 X2: 468300.484 Y2: 5004427.482 Delta X: 1.012 Delta Y: 0.179



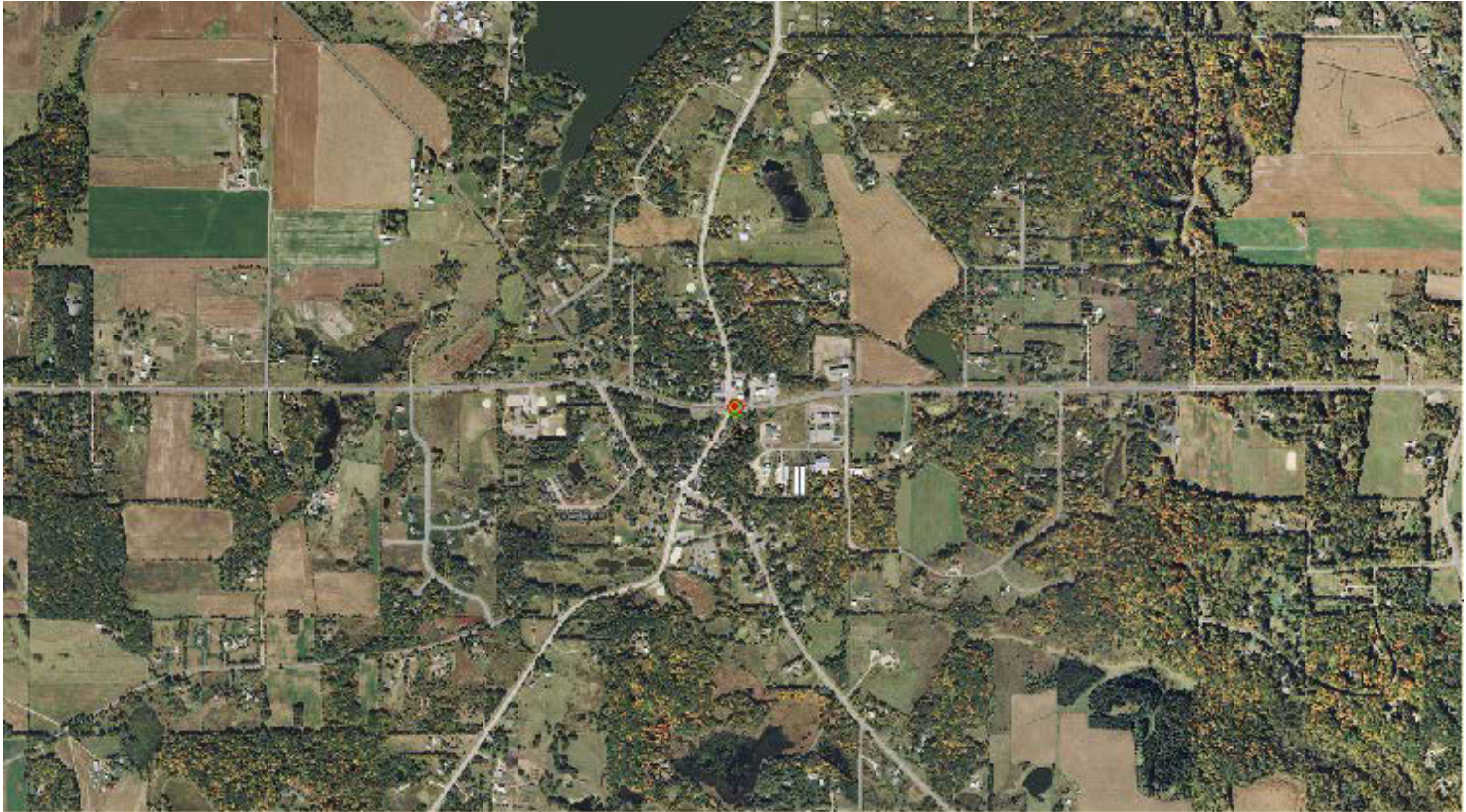
Point 39:

X1: 480932.467 Y1: 5012593.771 X2: 480933.717 Y2: 5012593.592 Delta X: 1.25 Delta Y: -0.179



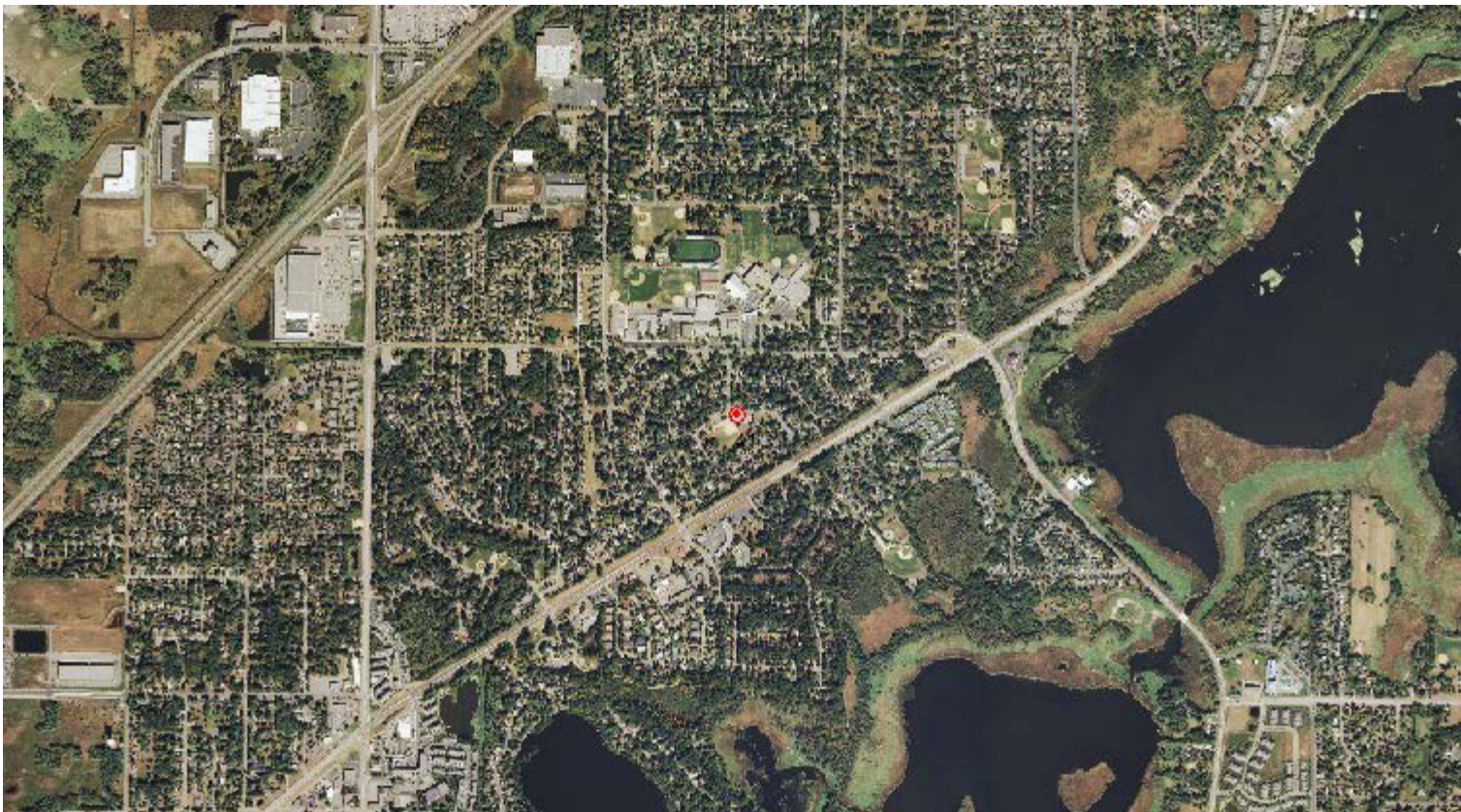
Point 40:

X1: 515365.462 Y1: 5011402.523 X2: 515366.157 Y2: 5011402.94 Delta X: 0.695 Delta Y: 0.417



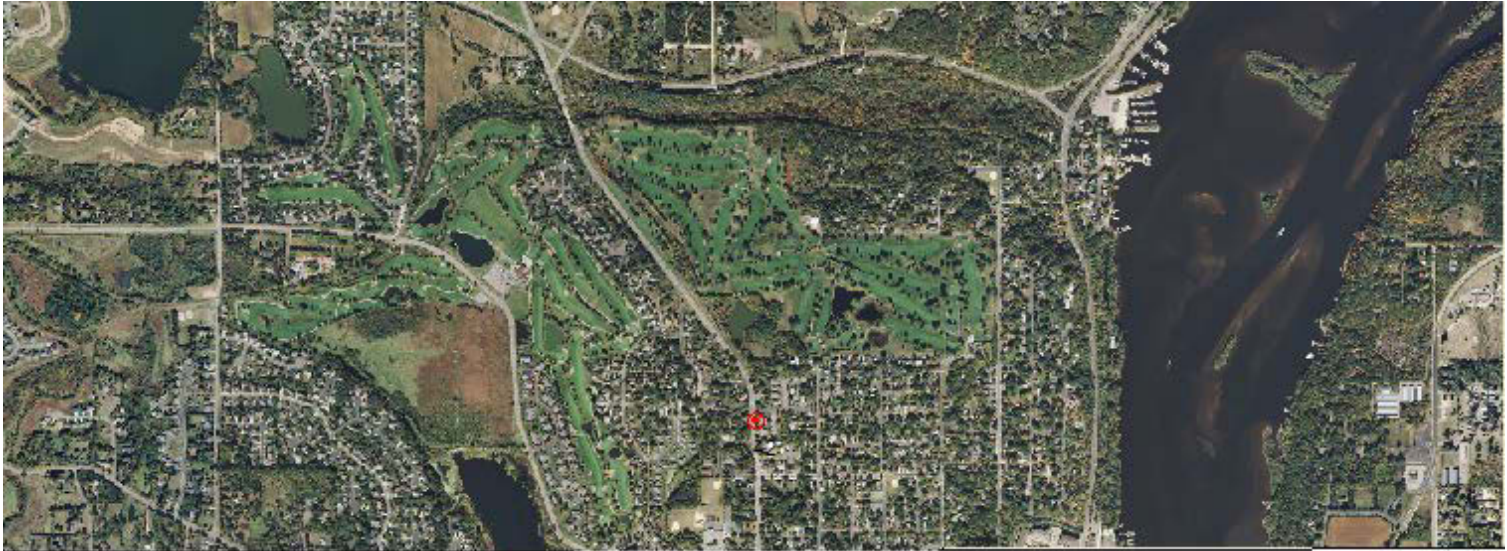
Point 41:

X1: 488405.46 Y1: 4999747.836 X2: 488406.697 Y2: 4999747.618 Delta X: 1.237 Delta Y: -0.218



Point 42:

X1: 514117.613 Y1: 4990342.261 X2: 514118.268 Y2: 4990341.024 Delta X: 0.655 Delta Y: -1.237



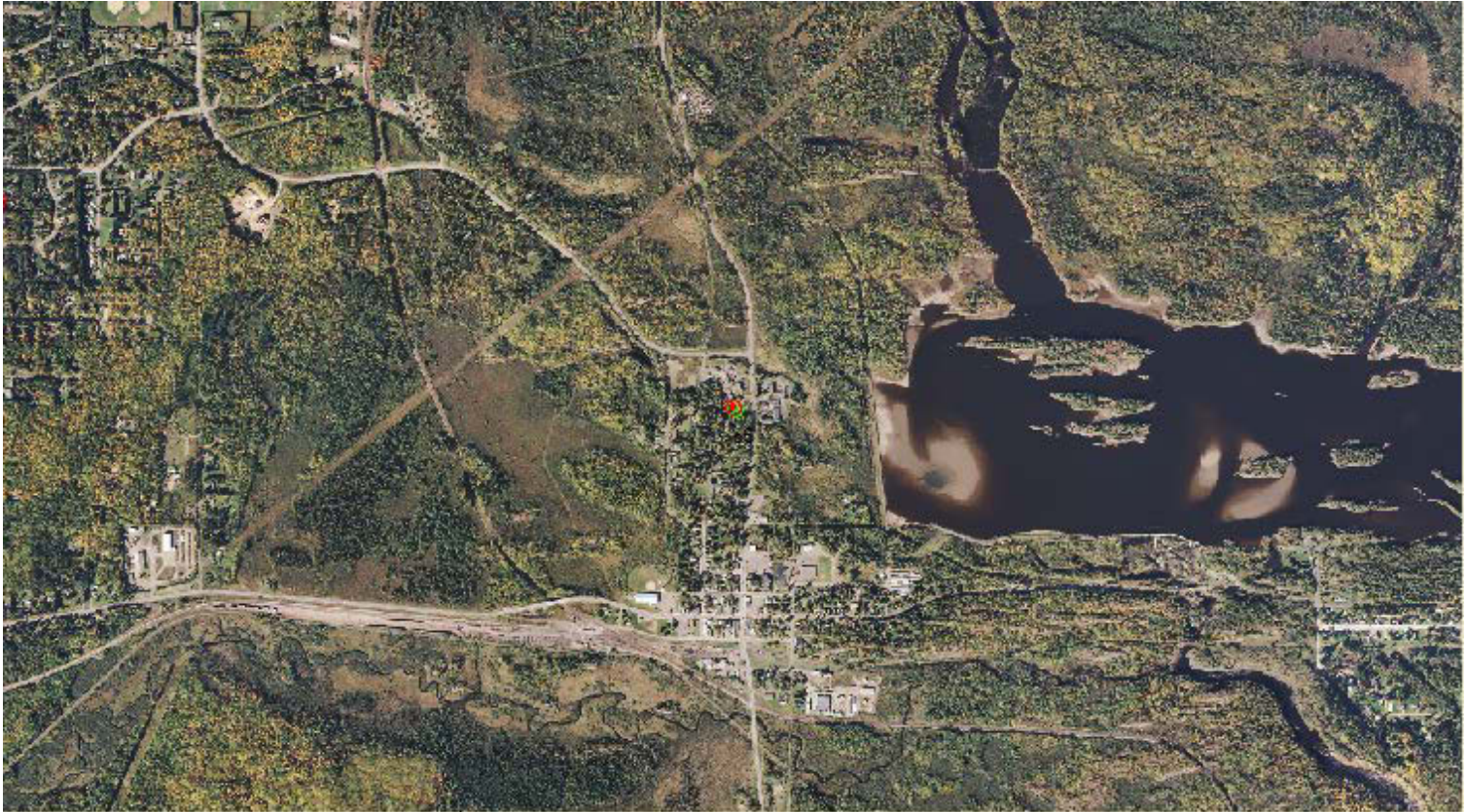
Point c3:

X1: 541439.402 Y1: 5169424.466 X2: 541440.202 Y2: 5169424.248 Delta X: 0.8 Delta Y: -0.218



Point c6:

X1: 543960.62 Y1: 5168710.448 X2: 543960.402 Y2: 5168710.812 Delta X: -0.218 Delta Y: 0.364



Point c5:

X1: 543726.392 Y1: 5171811.159 X2: 543726.901 Y2: 5171811.086 Delta X: 0.509 Delta Y: -0.073



Point c4:

X1: 542533.222 Y1: 5174557.07 X2: 542532.276 Y2: 5174557.434 Delta X: -0.946 Delta Y: 0.364



Point c1:

X1: 540907.485 Y1: 5174506.447 X2: 540908.431 Y2: 5174505.792 Delta X: 0.946 Delta Y: -0.655



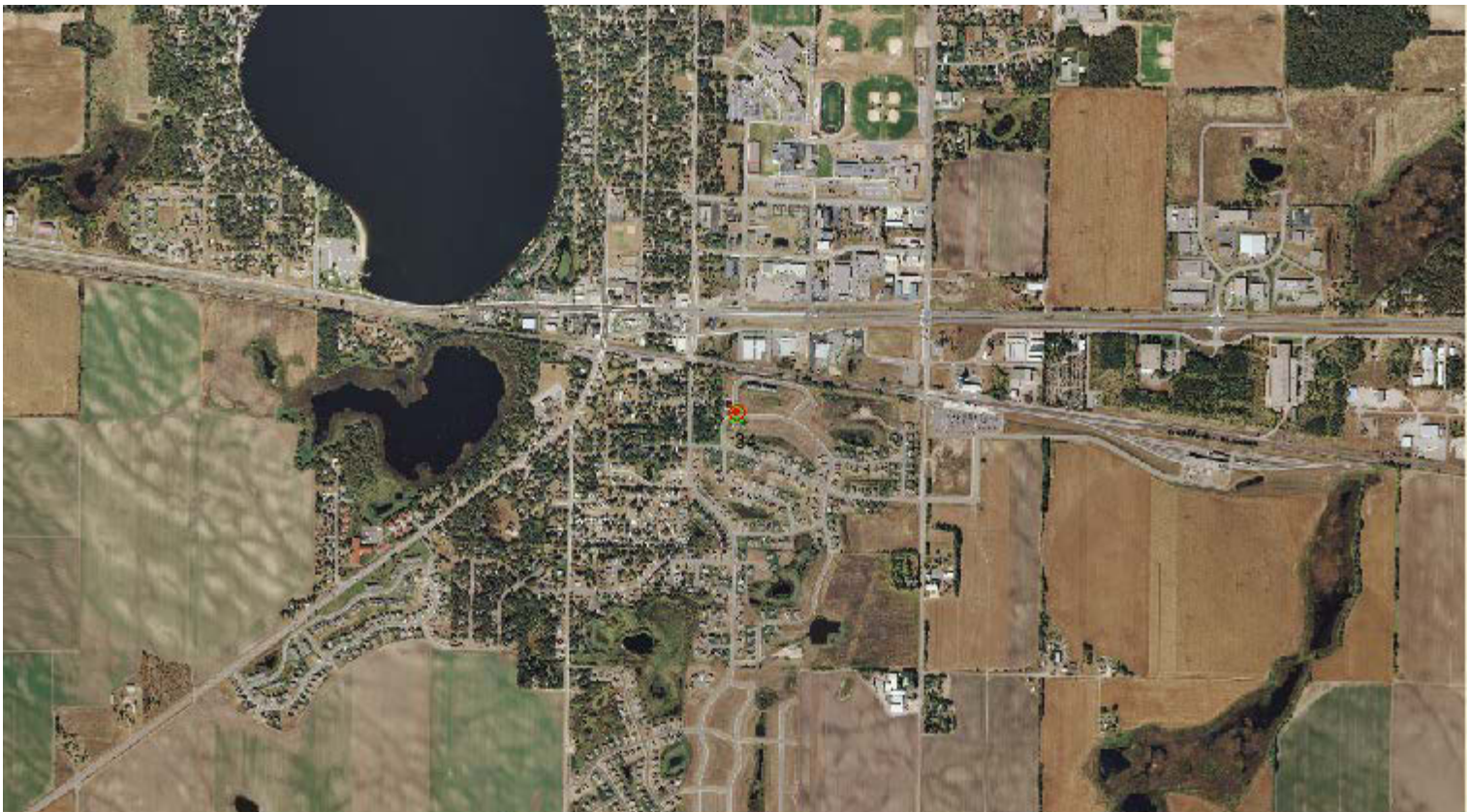
Point c2:

X1: 541457.907 Y1: 5172424.892 X2: 541458.125 Y2: 5172424.674 Delta X: 0.218 Delta Y: -0.218



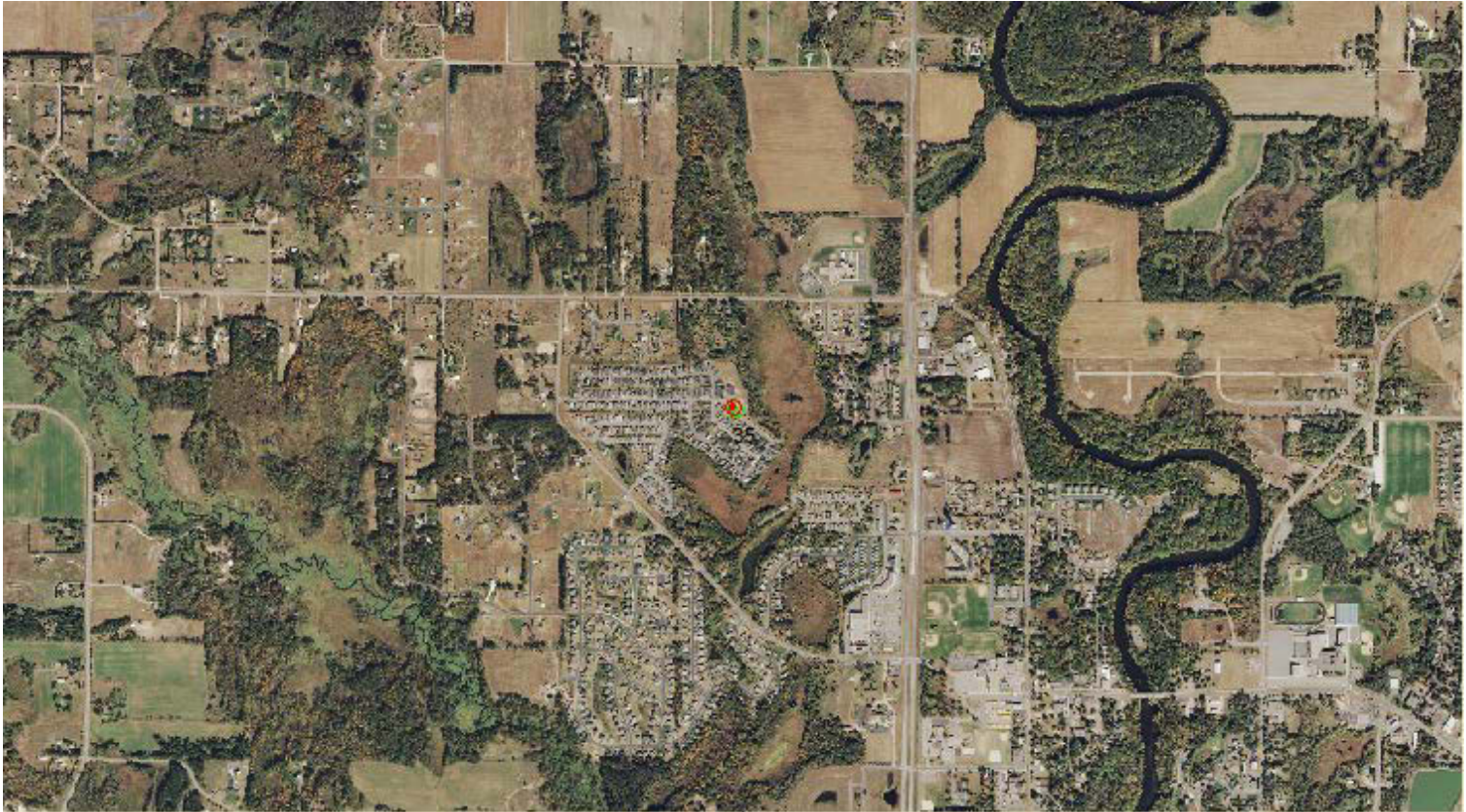
Point 34:

X1: 441999.109 Y1: 5019811.383 X2: 441999.182 Y2: 5019811.456 Delta X: 0.073 Delta Y: 0.073



Point 35:

X1: 470598.565 Y1: 5026988.667 X2: 470598.492 Y2: 5026989.322 Delta X: -0.073 Delta Y: 0.655



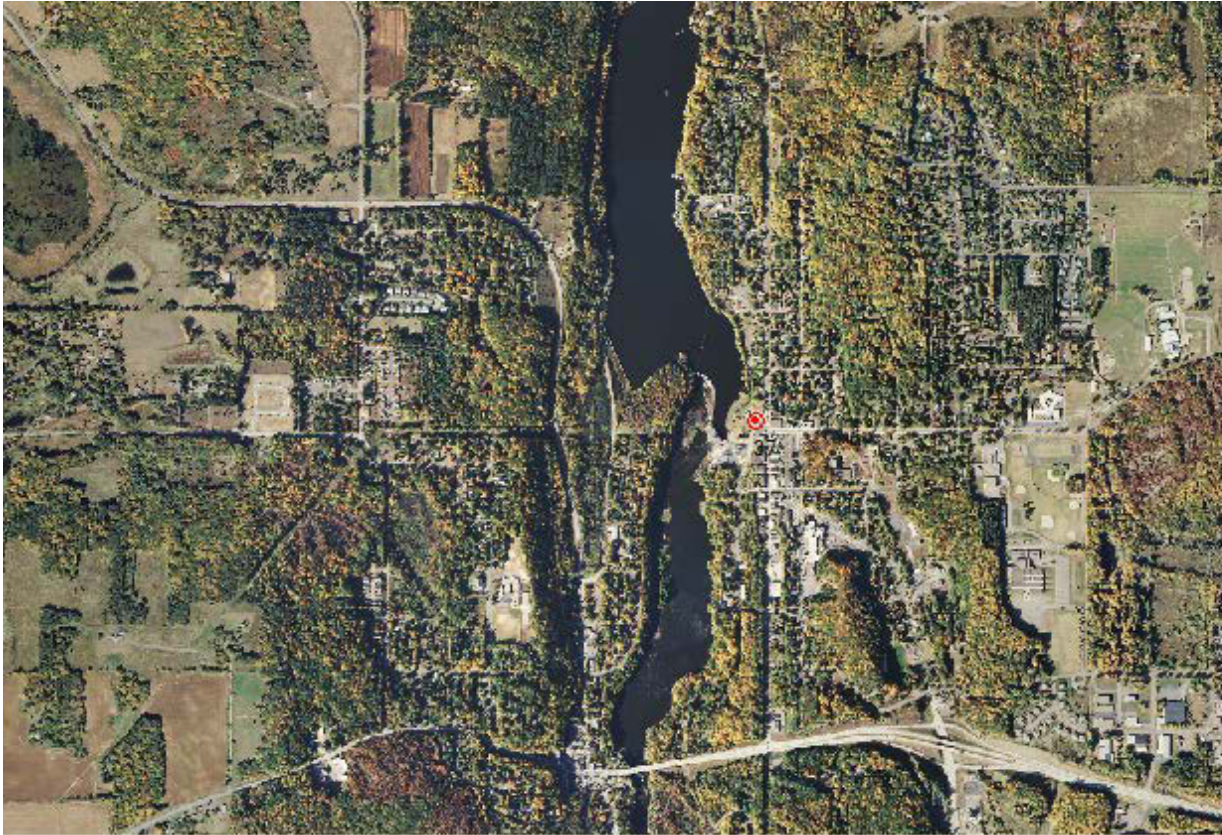
Point 36:

X1: 500587.704 Y1: 5026987.432 X2: 500588.795 Y2: 5026986.632 Delta X: 1.091 Delta Y: -0.8



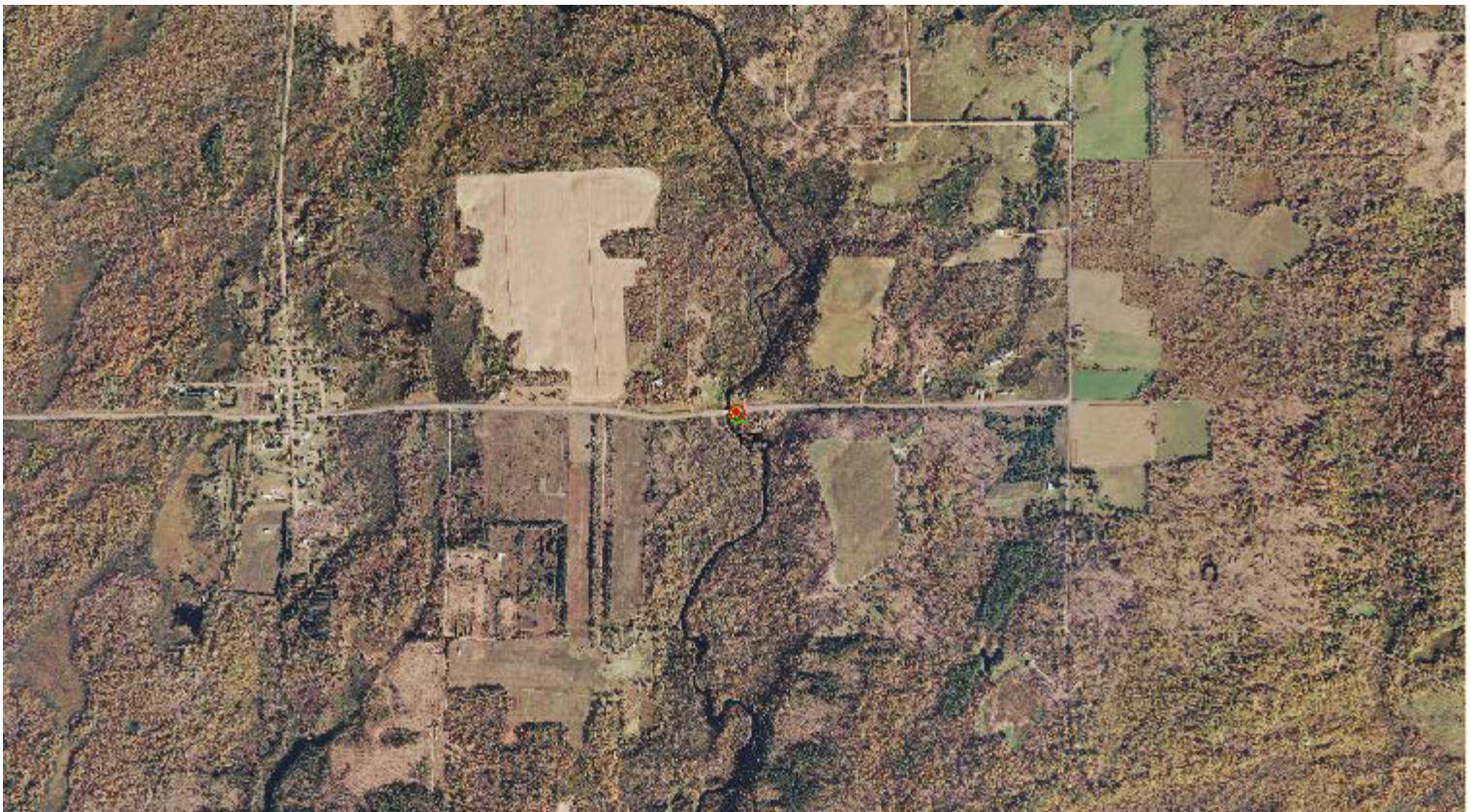
Point 37:

X1: 527747.391 Y1: 5028830.102 X2: 527747.464 Y2: 5028830.029 Delta X: 0.073 Delta Y: -0.073



Point 17:

X1: 553436.87 Y1: 5104432.766 X2: 553438.398 Y2: 5104433.712 Delta X: 1.528 Delta Y: 0.946



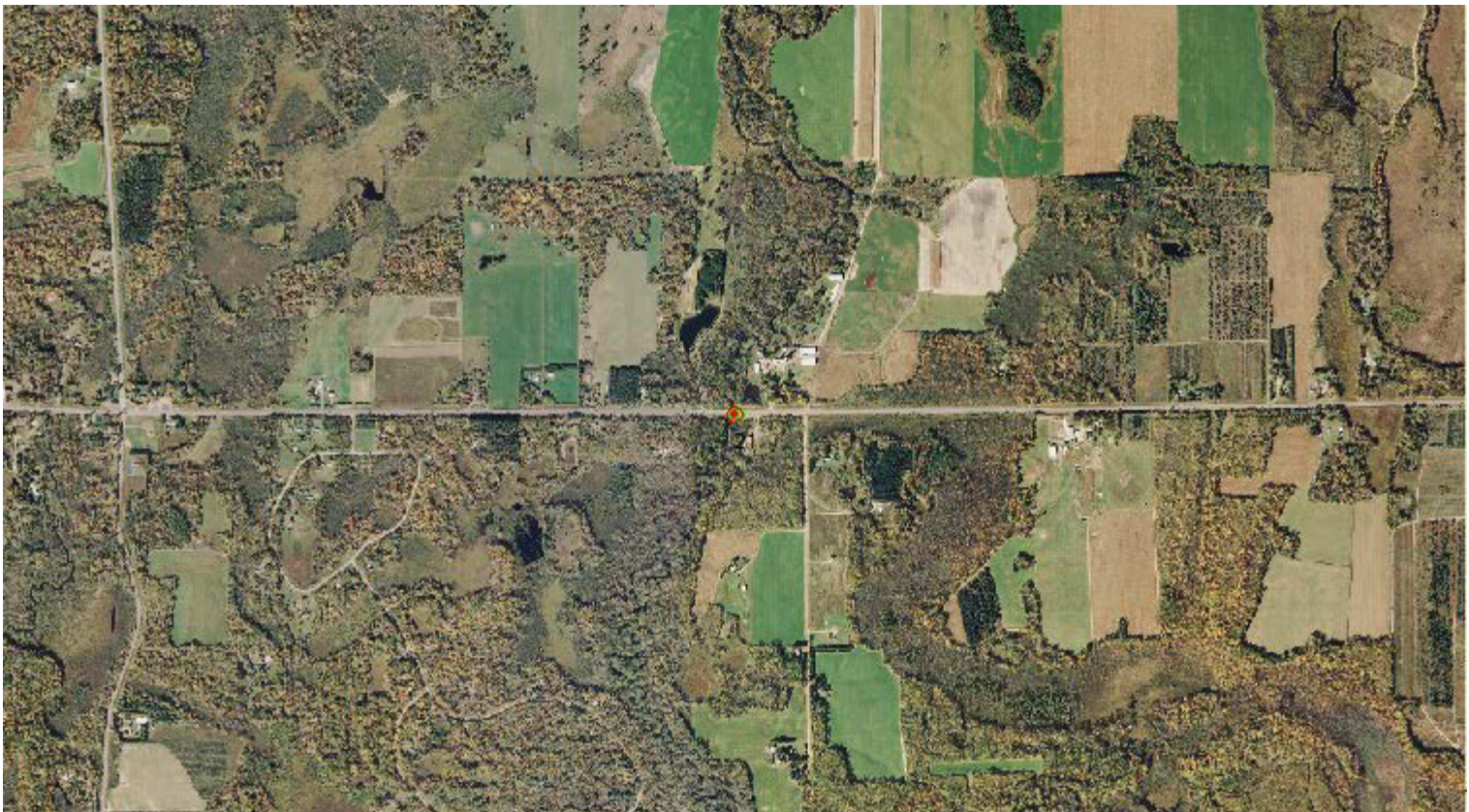
Point 20:

X1: 501469.963 Y1: 5089817.123 X2: 501471.451 Y2: 5089818.849 Delta X: 1.488 Delta Y: 1.726



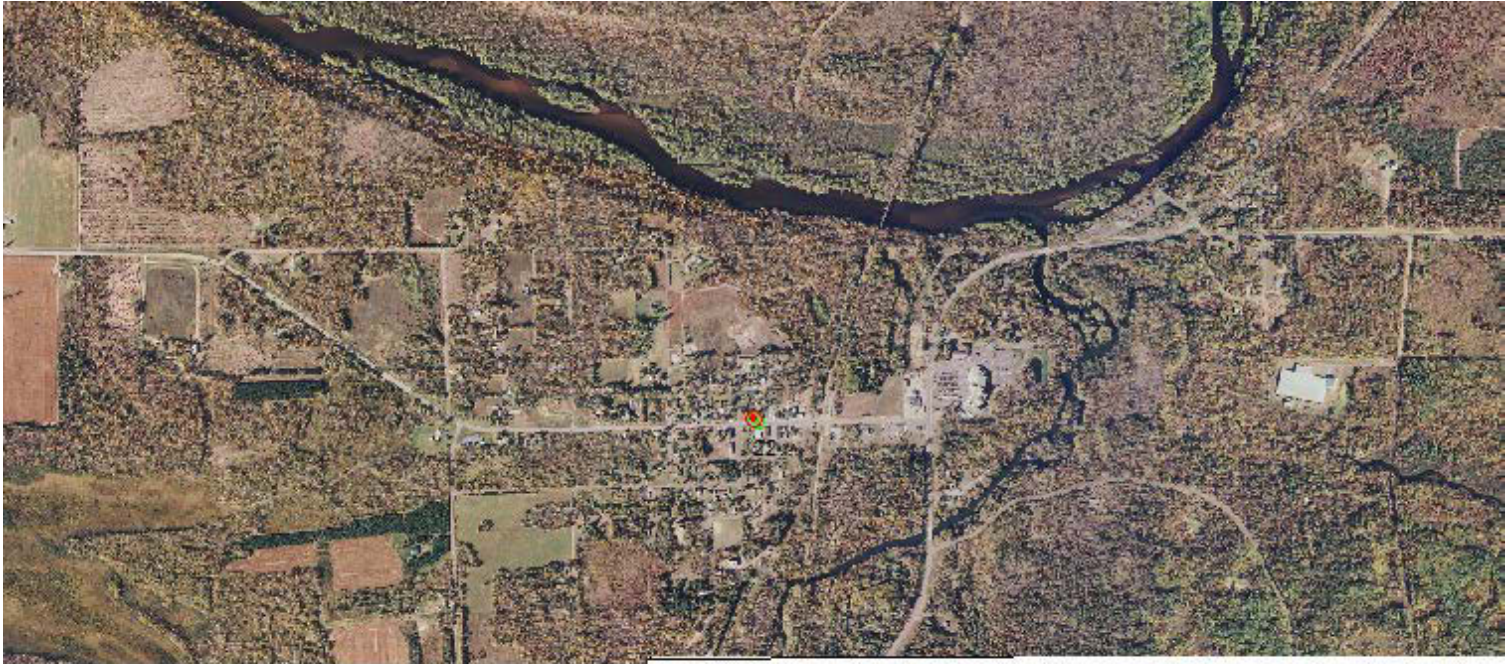
Point 21:

X1: 522216.252 Y1: 5095379.653 X2: 522215.24 Y2: 5095379.593 Delta X: -1.012 Delta Y: -0.06



Point 22:

X1: 548730.454 Y1: 5095027.392 X2: 548729.918 Y2: 5095027.69 Delta X: -0.536 Delta Y: 0.298



Point 25:

X1: 502309.825 Y1: 5074034.654 X2: 502311.67 Y2: 5074034.118 Delta X: 1.845 Delta Y: -0.536



Point 26:

X1: 503012.555 Y1: 5059388.117 X2: 503013.567 Y2: 5059387.343 Delta X: 1.012 Delta Y: -0.774



Point 32:

X1: 484018.315 Y1: 5046572.521 X2: 484019.327 Y2: 5046572.819 Delta X: 1.012 Delta Y: 0.298



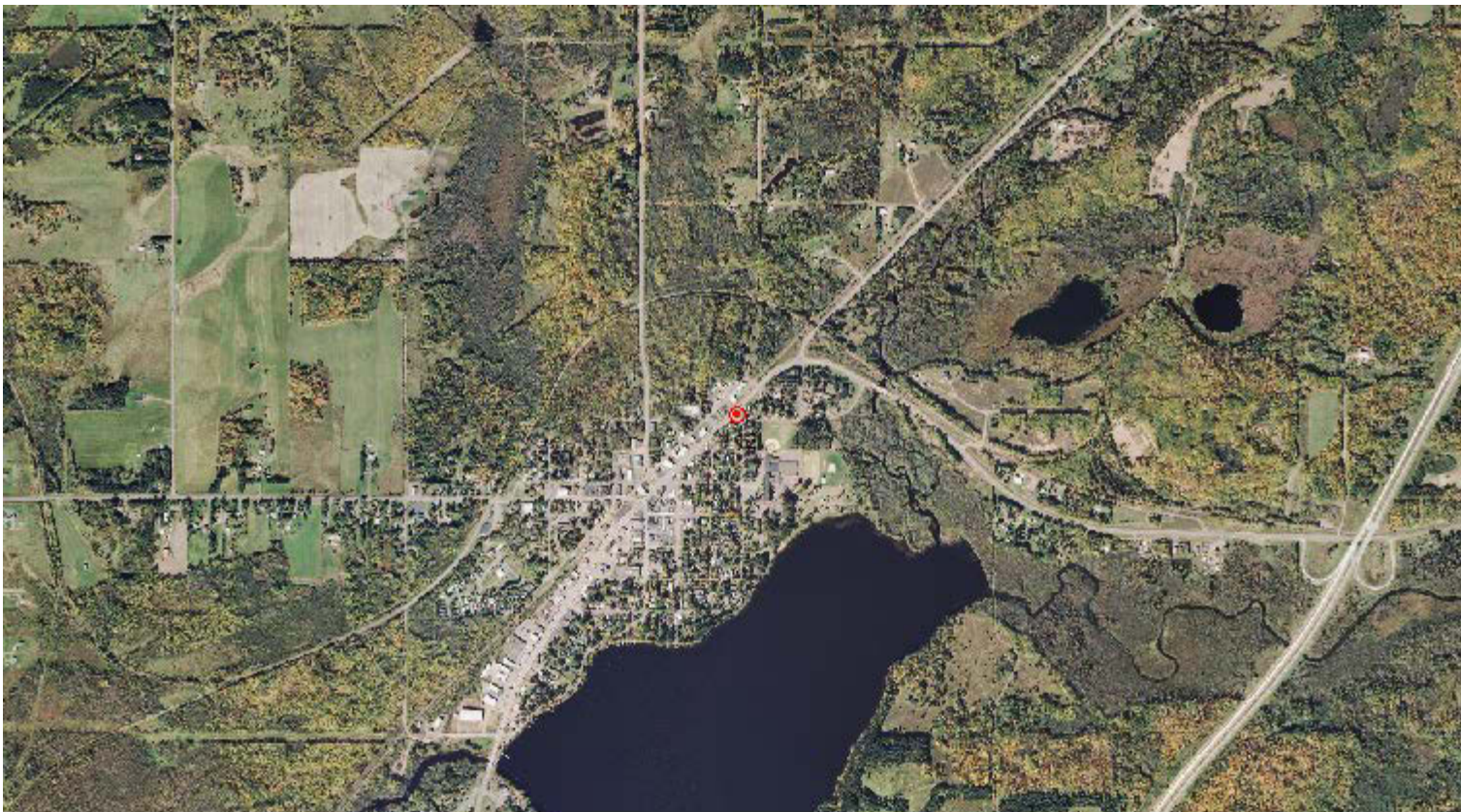
Point 33:

X1: 501962.883 Y1: 5047821.96 X2: 501963.062 Y2: 5047822.258 Delta X: 0.179 Delta Y: 0.298



Point 12:

X1: 518601.242 Y1: 5144858.859 X2: 518602.135 Y2: 5144857.966 Delta X: 0.893 Delta Y: -0.893



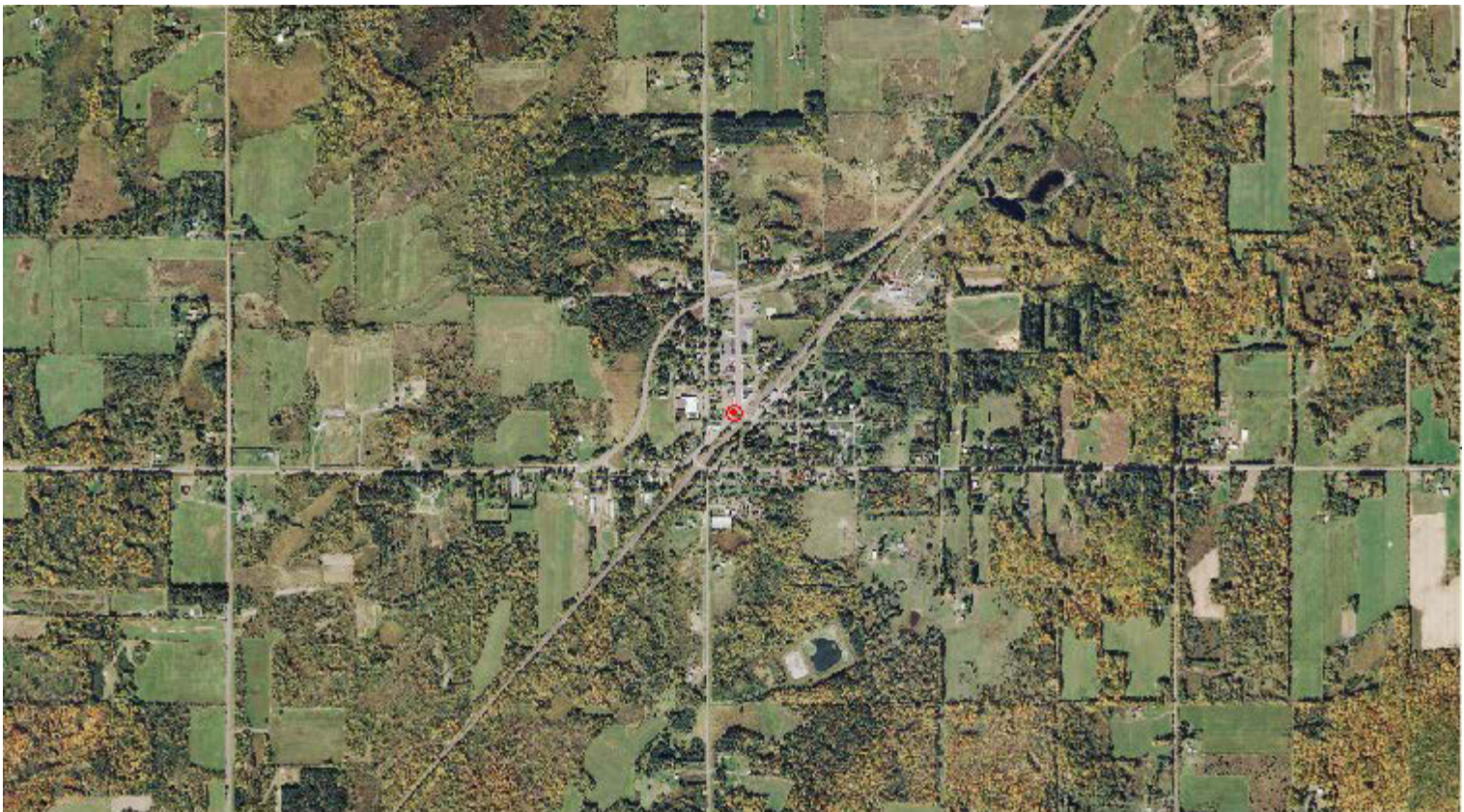
Point 13:

X1: 537048.812 Y1: 5138141.675 X2: 537049.639 Y2: 5138142.105 Delta X: 0.827 Delta Y: 0.43



Point 16:

X1: 516876.931 Y1: 5115026.159 X2: 516877.361 Y2: 5115025.729 Delta X: 0.43 Delta Y: -0.43



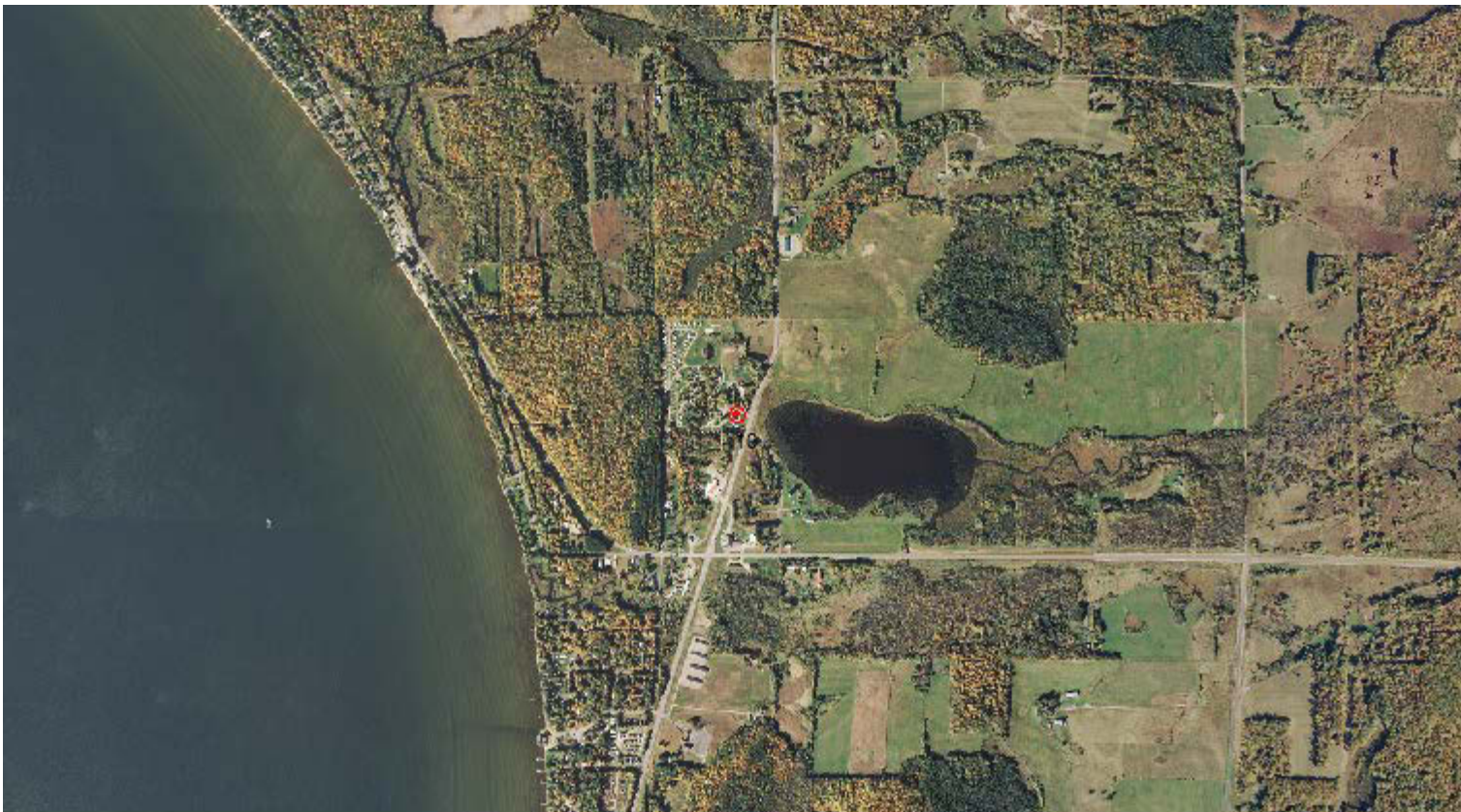
Point 8:

X1: 553314.091 Y1: 5172501.788 X2: 553313.489 Y2: 5172502.218 Delta X: -0.602 Delta Y: 0.43



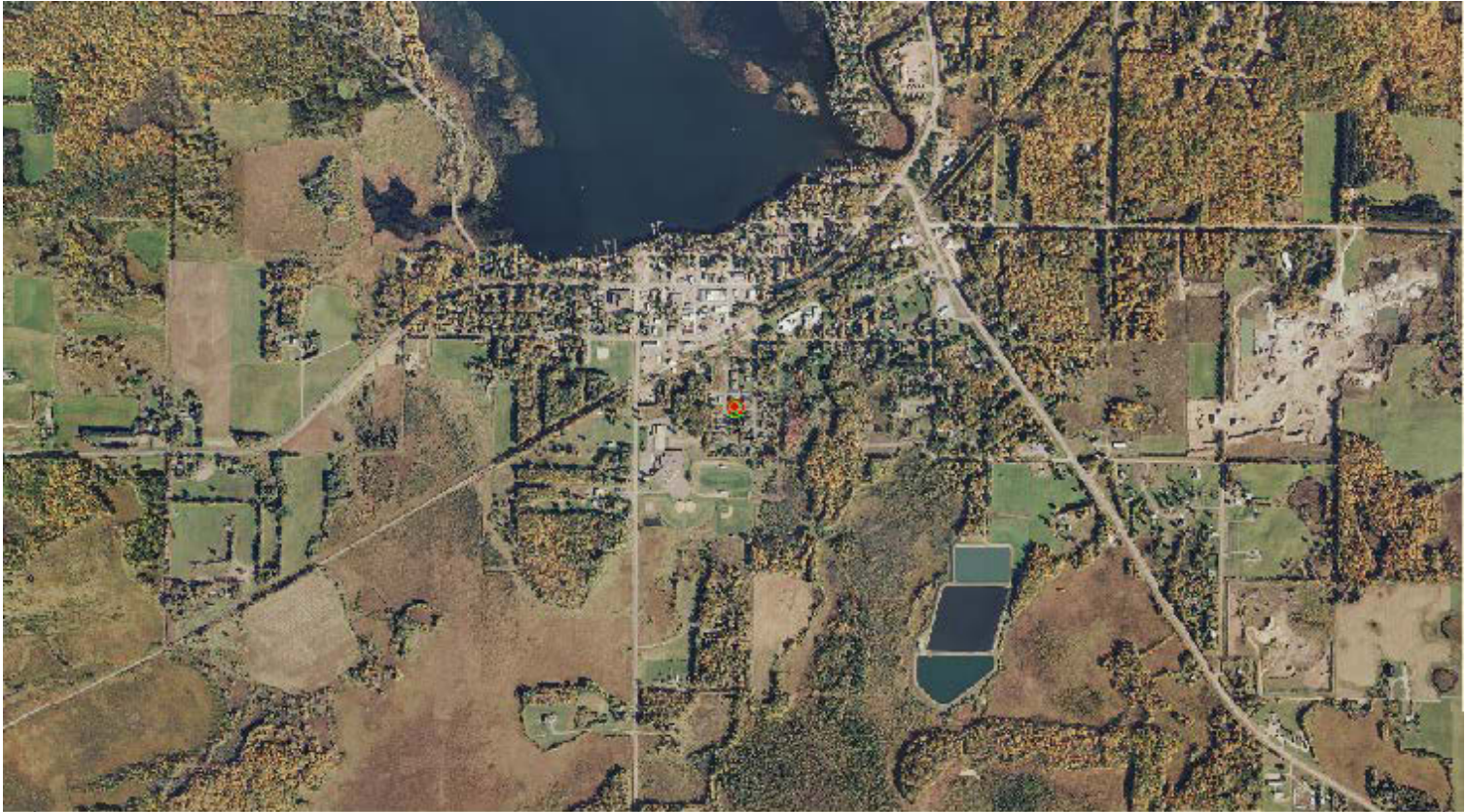
Point 10:

X1: 460252.212 Y1: 5131764.185 X2: 460252.986 Y2: 5131764.099 Delta X: 0.774 Delta Y: -0.086



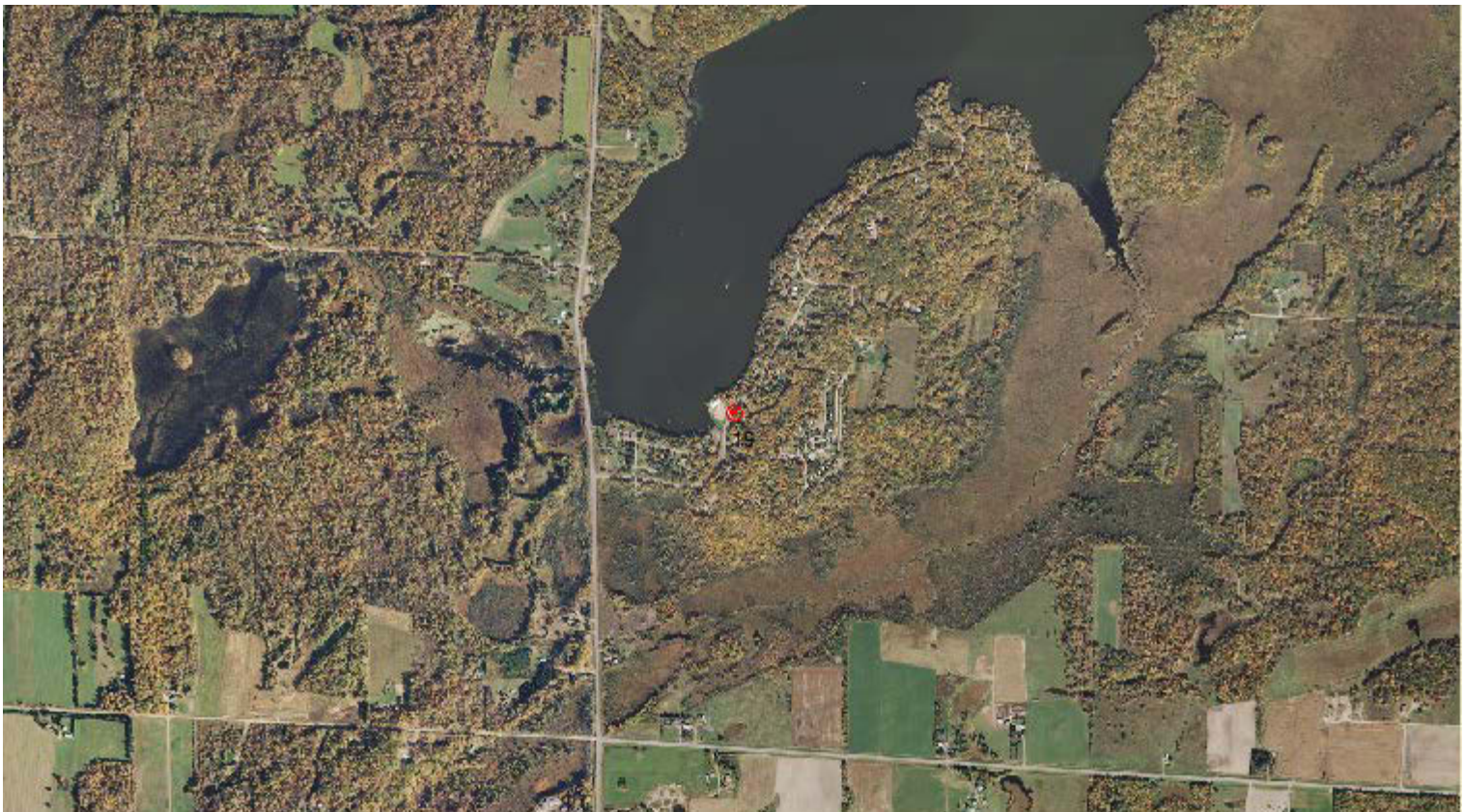
Point 14:

X1: 463750.881 Y1: 5109074.355 X2: 463751.827 Y2: 5109074.613 Delta X: 0.946 Delta Y: 0.258



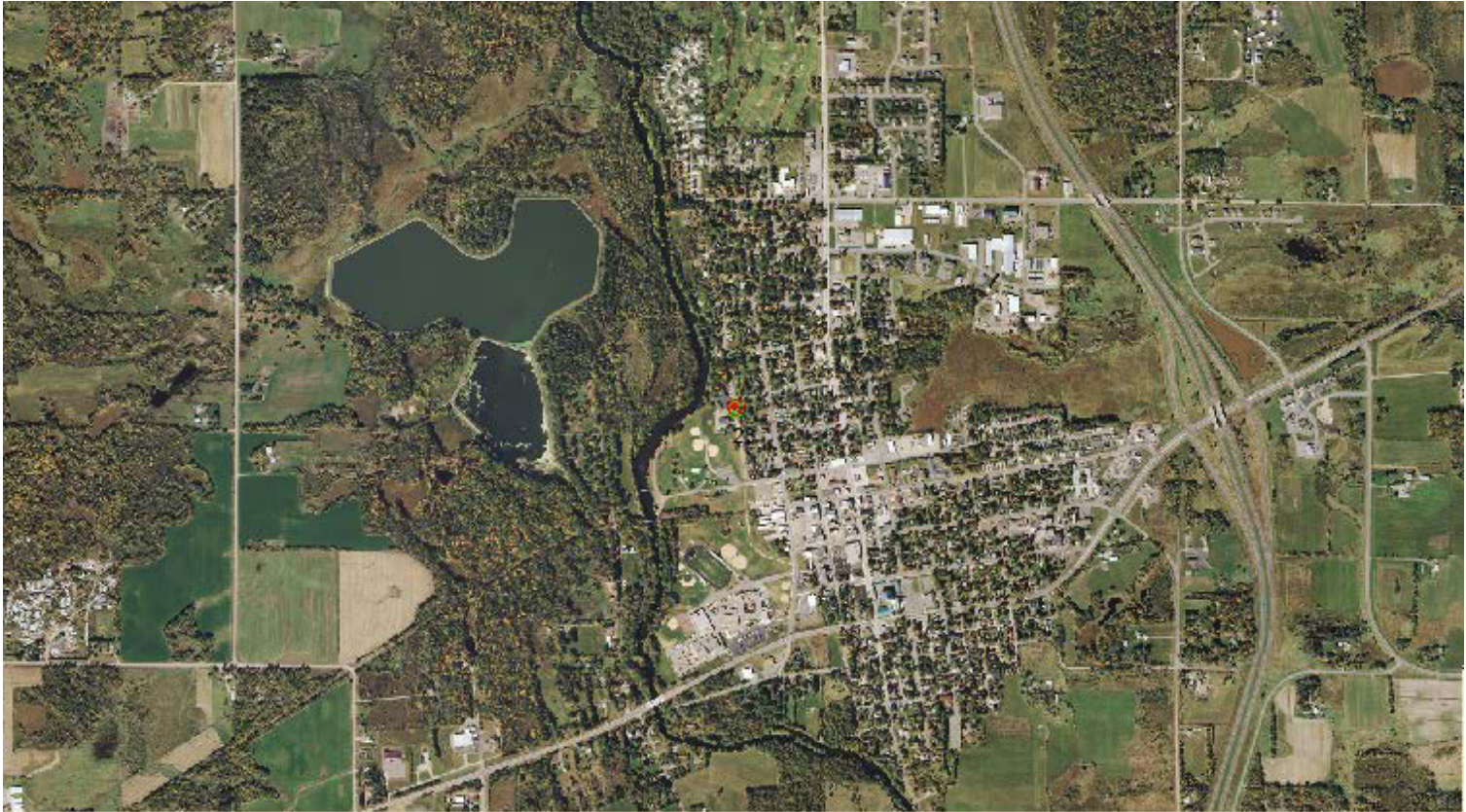
Point 19:

X1: 466878.534 Y1: 5083157.29 X2: 466879.824 Y2: 5083156.86 Delta X: 1.29 Delta Y: -0.43



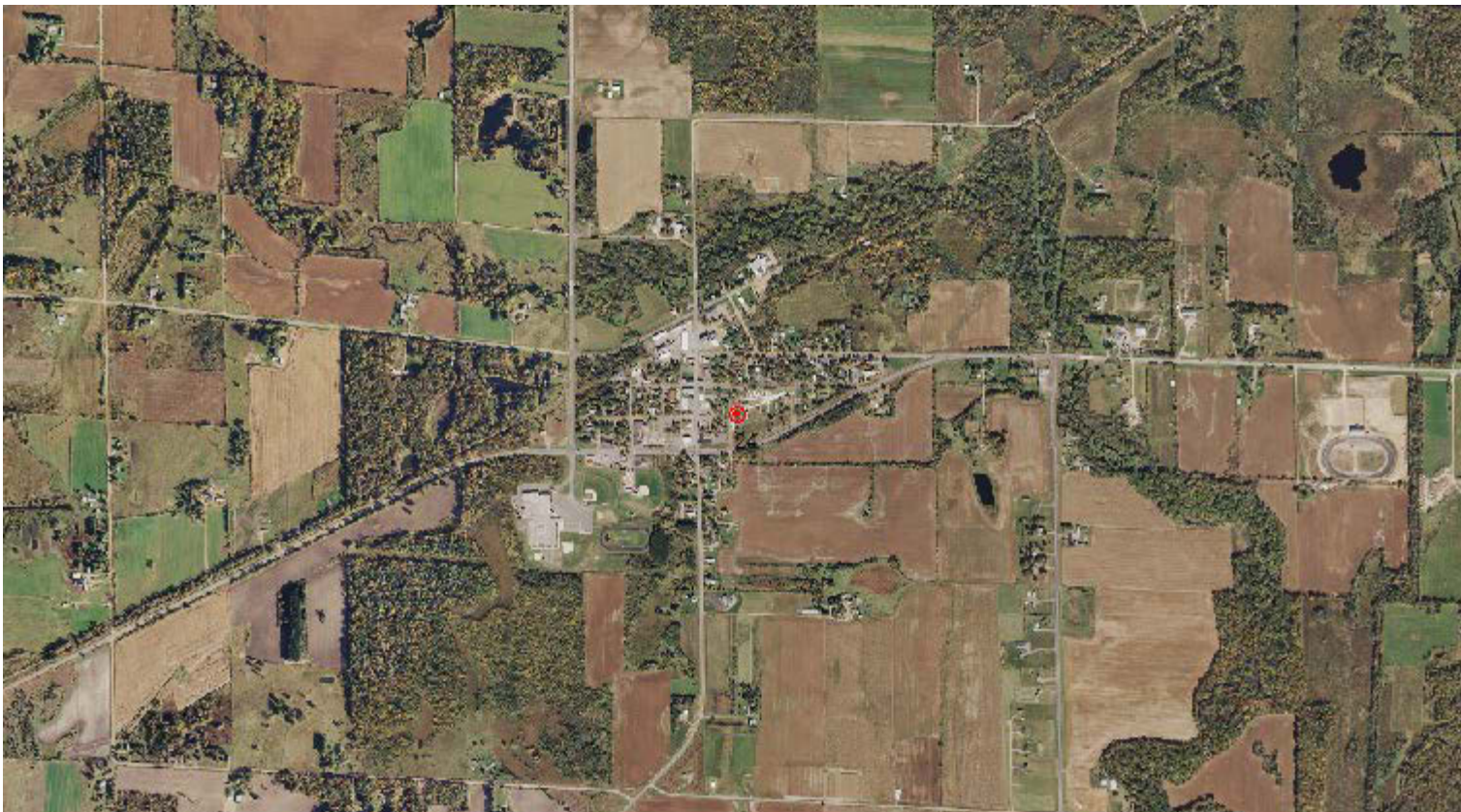
Point 23:

X1: 448913.146 Y1: 5067347.52 X2: 448913.404 Y2: 5067347.95 Delta X: 0.258 Delta Y: 0.43



Point 24:

X1: 467048.66 Y1: 5075253.649 X2: 467048.918 Y2: 5075252.875 Delta X: 0.258 Delta Y: -0.774



Point 27:

X1: 399653.241 Y1: 5076275.755 X2: 399653.843 Y2: 5076275.325 Delta X: 0.602 Delta Y: -0.43



Point 28:

X1: 428331.038 Y1: 5056692.229 X2: 428331.812 Y2: 5056691.627 Delta X: 0.774 Delta Y: -0.602



Point 30:

X1: 417640.82 Y1: 5029698.145 X2: 417641.078 Y2: 5029698.575 Delta X: 0.258 Delta Y: 0.43



Point 31:

X1: 454033.035 Y1: 5046107.979 X2: 454033.121 Y2: 5046107.549 Delta X: 0.086 Delta Y: -0.43



Point 1:

X1: 454119.847 Y1: 5204610.439 X2: 454119.761 Y2: 5204613.449 Delta X: -0.086 Delta Y: 3.01



Point 2:

X1: 467565.633 Y1: 5177890.439 X2: 467566.407 Y2: 5177891.729 Delta X: 0.774 Delta Y: 1.29



Point 3:

X1: 491314.657 Y1: 5210609.694 X2: 491315.431 Y2: 5210609.436 Delta X: 0.774 Delta Y: -0.258



Point 4:

X1: 439271.553 Y1: 5165880.207 X2: 439273.875 Y2: 5165880.465 Delta X: 2.322 Delta Y: 0.258



Point 5:

X1: 475759.409 Y1: 5162646.438 X2: 475760.011 Y2: 5162646.524 Delta X: 0.602 Delta Y: 0.086



Point 6:

X1: 486525.612 Y1: 5170503.626 X2: 486526.386 Y2: 5170504.572 Delta X: 0.774 Delta Y: 0.946



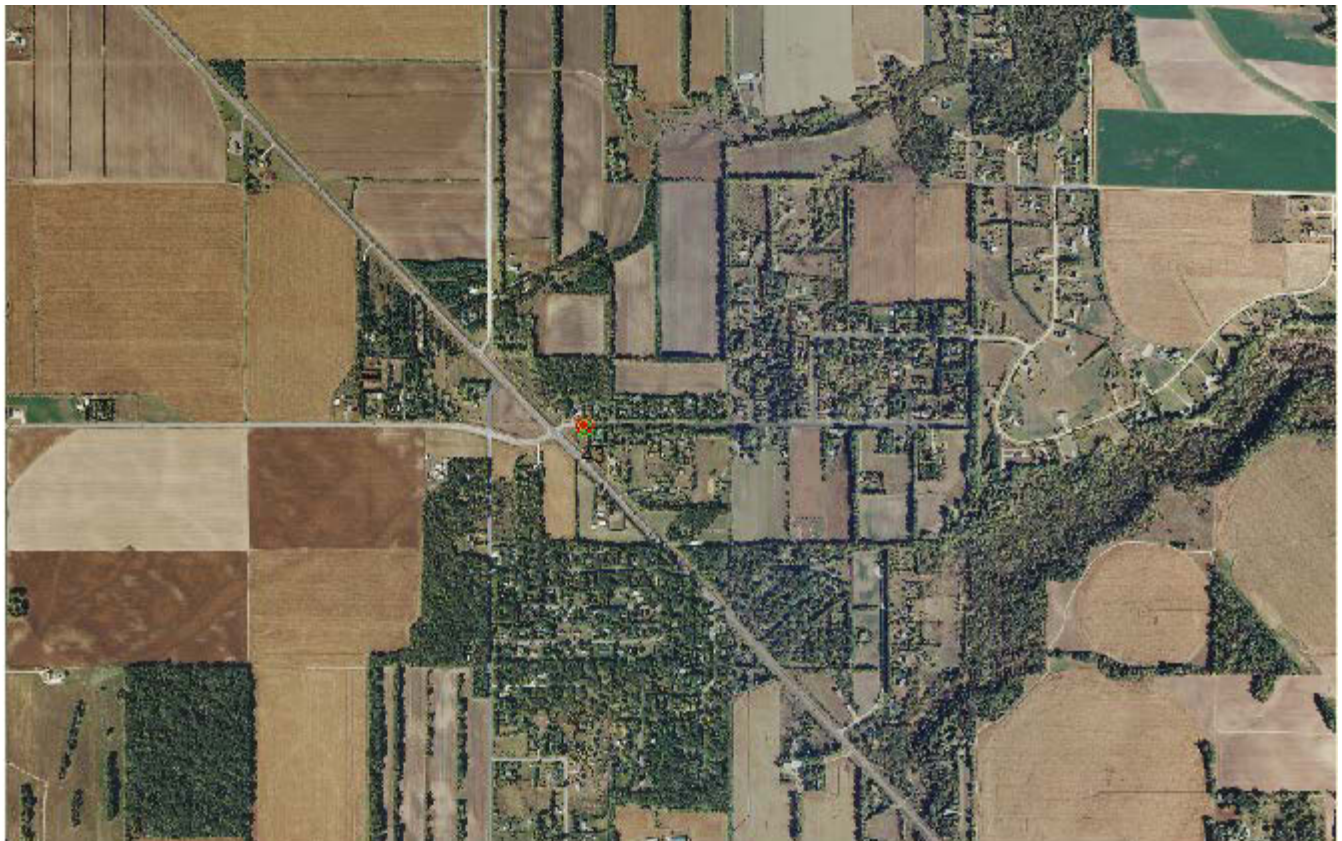
Point 7:

X1: 522783.735 Y1: 5181431.111 X2: 522783.649 Y2: 5181432.401 Delta X: -0.086 Delta Y: 1.29



Point 43:

X1: 516747.077 Y1: 4946659.657 X2: 516747.163 Y2: 4946660.259 Delta X: 0.086 Delta Y: 0.602



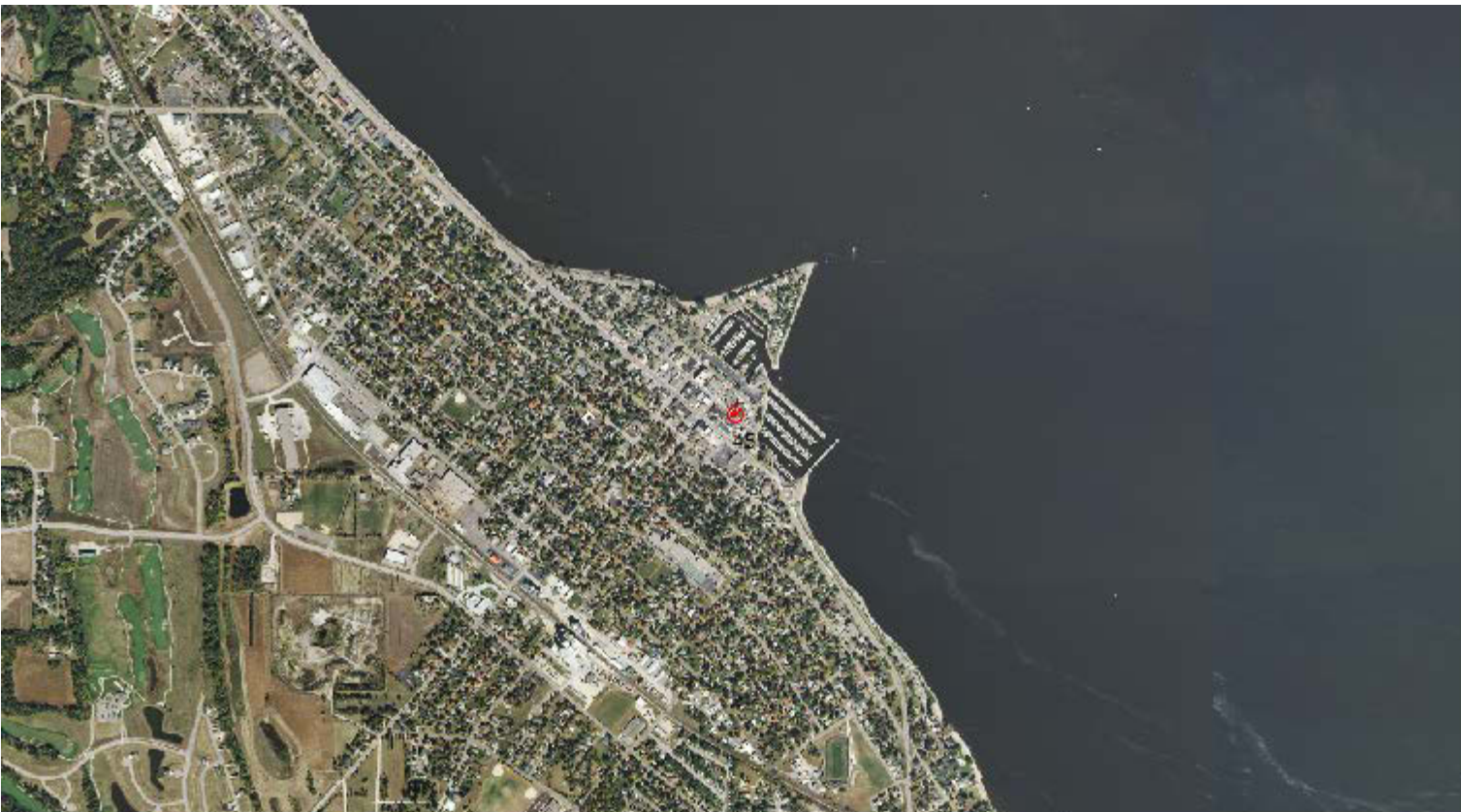
Point 44:

X1: 535357.981 Y1: 4934526.887 X2: 535357.379 Y2: 4934526.973 Delta X: -0.602 Delta Y: 0.086



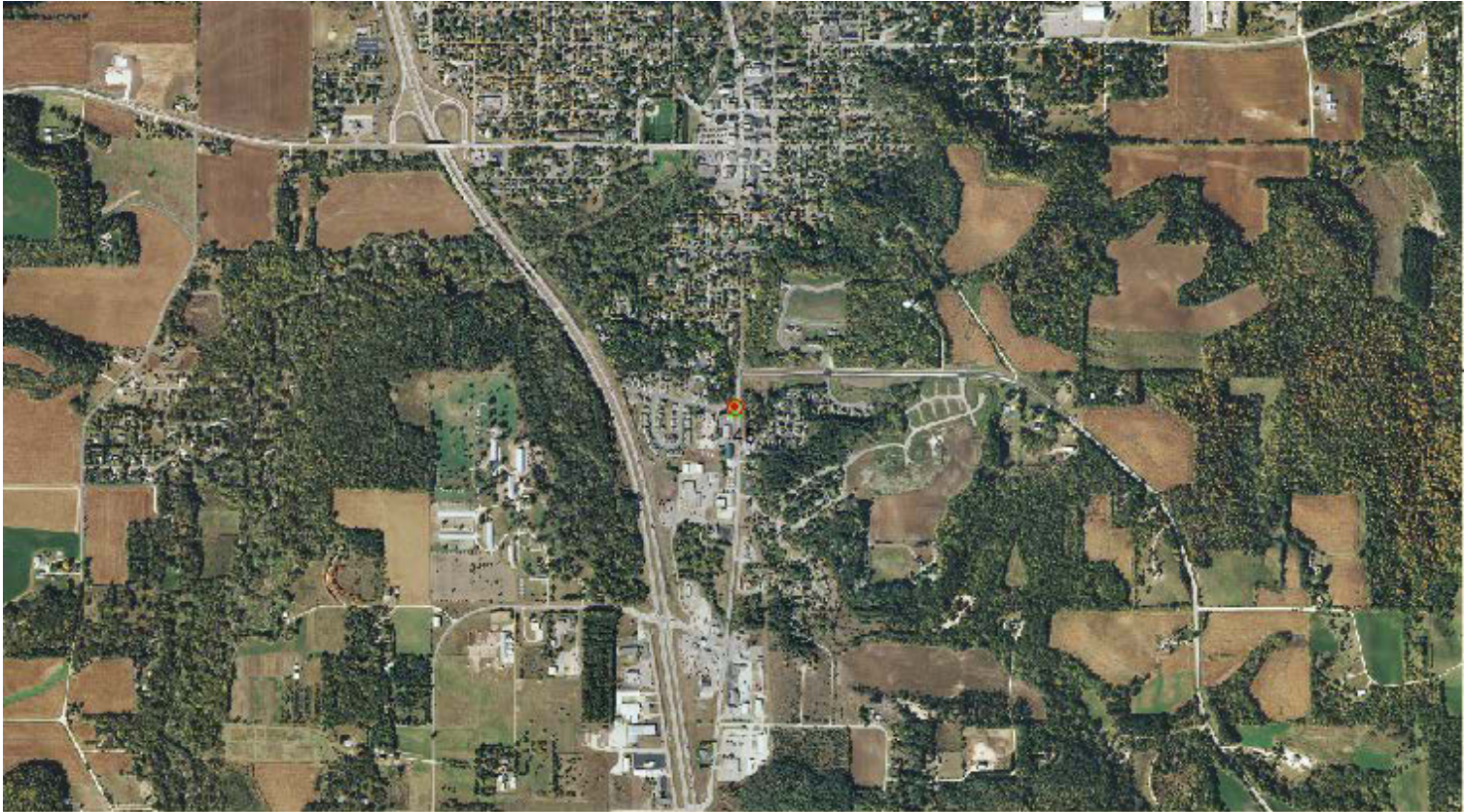
Point 45:

X1: 558543.384 Y1: 4921991.898 X2: 558543.986 Y2: 4921991.468 Delta X: 0.602 Delta Y: -0.43



Point 46:

X1: 507478.899 Y1: 4927284.806 X2: 507479.673 Y2: 4927285.408 Delta X: 0.774 Delta Y: 0.602



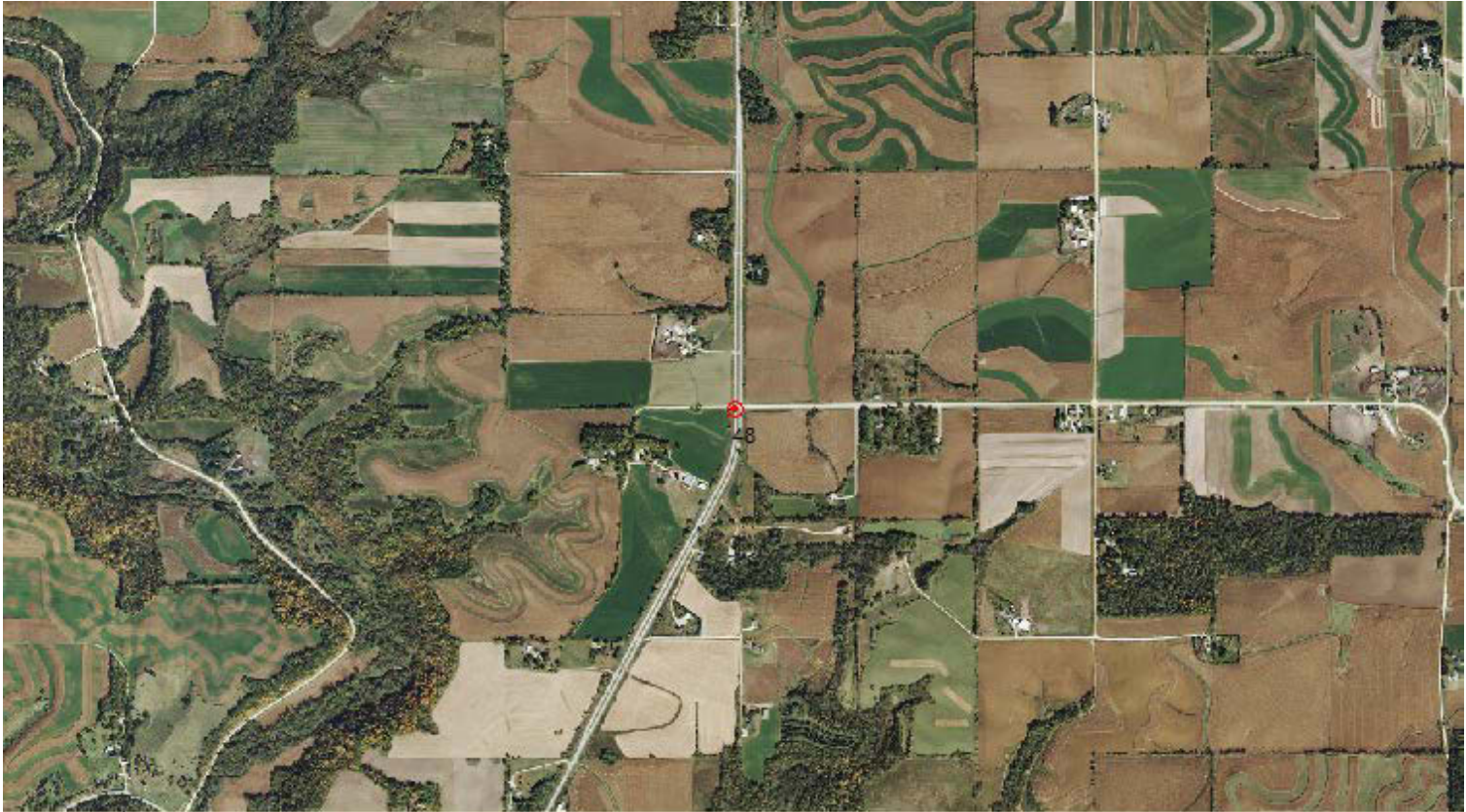
Point 47:

X1: 529550.318 Y1: 4916824.495 X2: 529551.264 Y2: 4916824.409 Delta X: 0.946 Delta Y: -0.086



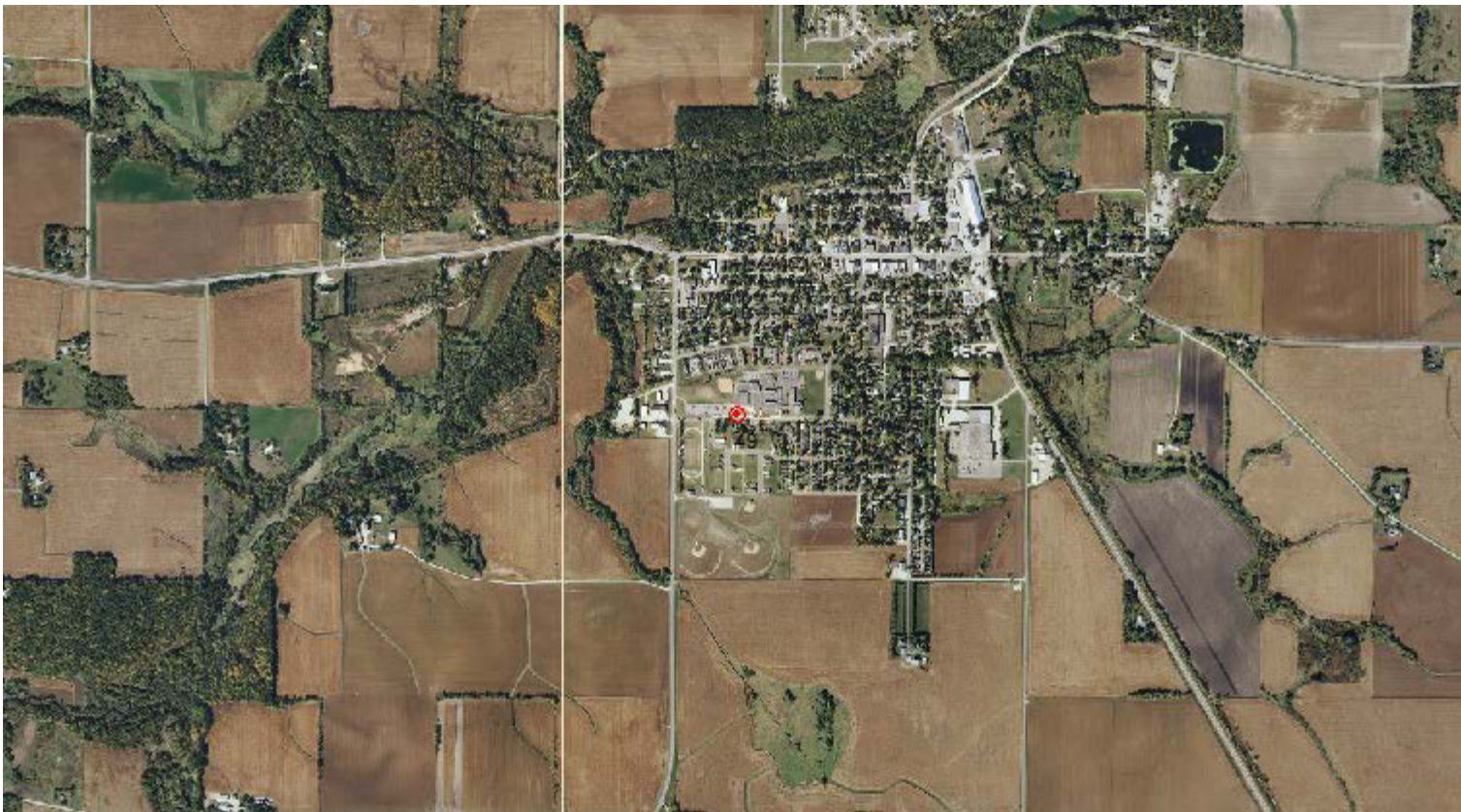
Point 48:

X1: 546954.07 Y1: 4905711.476 X2: 546954.672 Y2: 4905711.218 Delta X: 0.602 Delta Y: -0.258



Point 49:

X1: 500566.909 Y1: 4901556.108 X2: 500567.167 Y2: 4901555.85 Delta X: 0.258 Delta Y: -0.258



Point 13L:

X1: 540452.104 Y1: 4855461.55 X2: 540452.362 Y2: 4855461.464 Delta X: 0.258 Delta Y: -0.086



Point 50:

X1: 528576.643 Y1: 4893944.36 X2: 528577.245 Y2: 4893948.058 Delta X: 0.602 Delta Y: 3.698



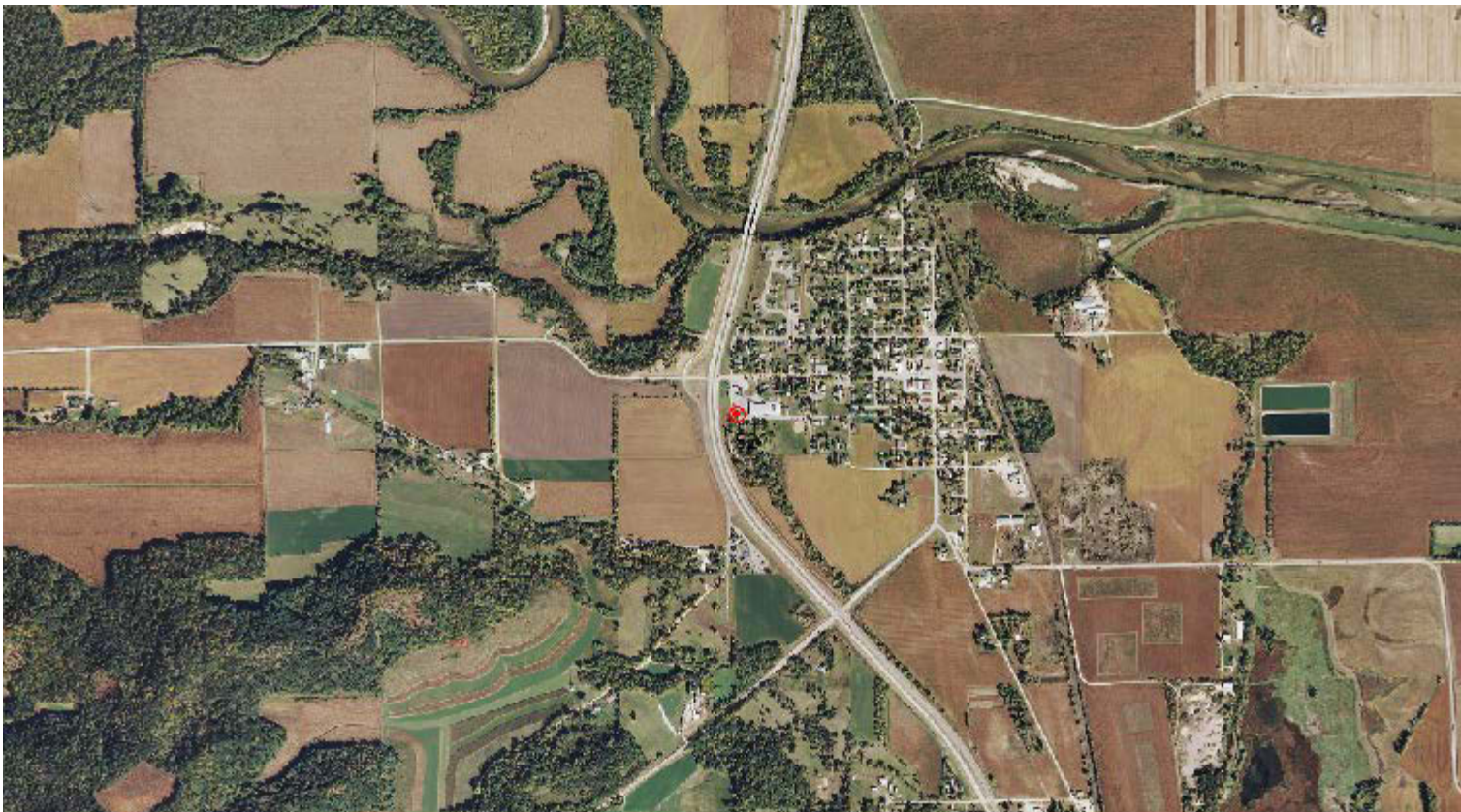
Point 51:

X1: 566760.19 Y1: 4890980.627 X2: 566760.62 Y2: 4890980.369 Delta X: 0.43 Delta Y: -0.258



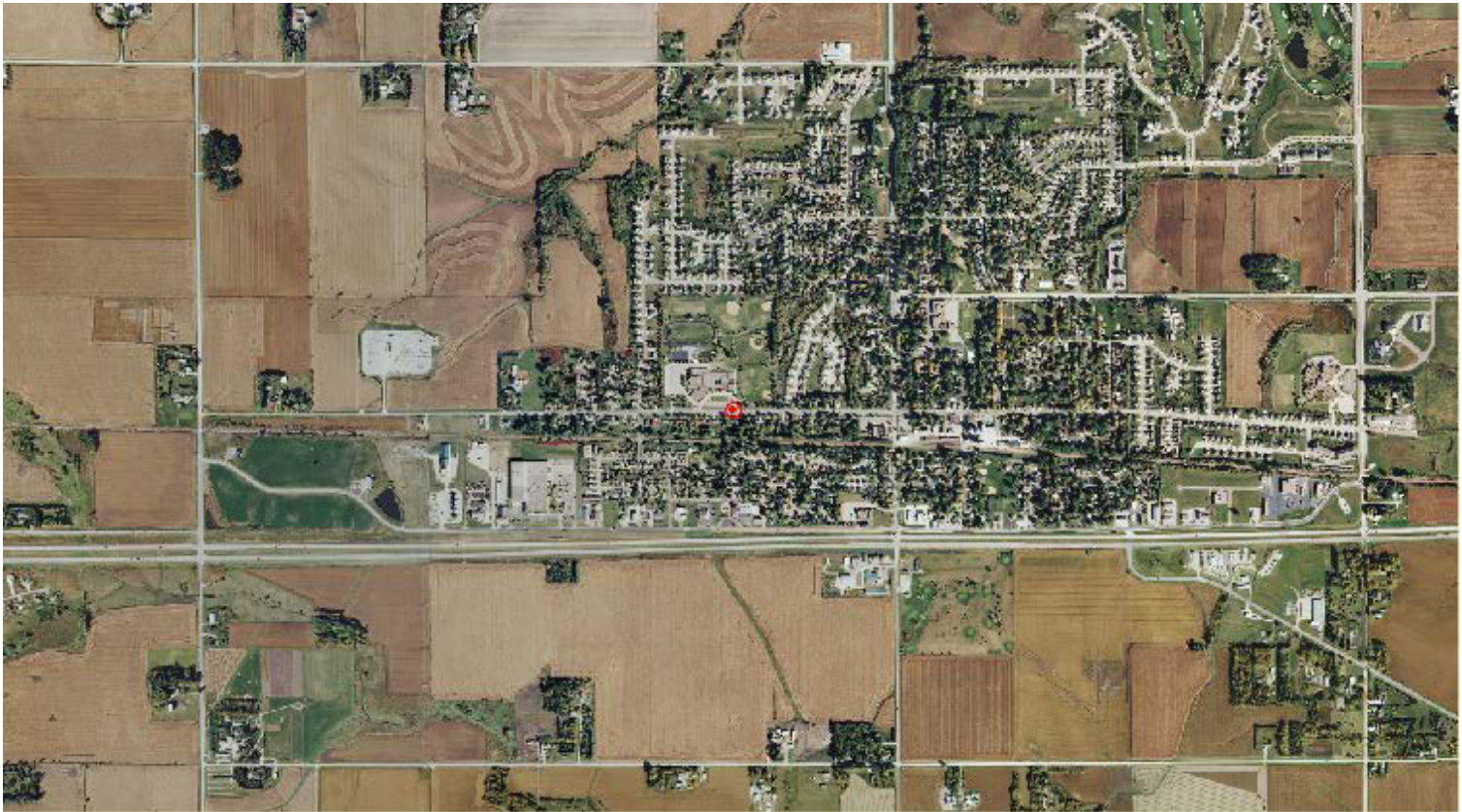
Point 52:

X1: 579423.052 Y1: 4906392.242 X2: 579423.482 Y2: 4906391.984 Delta X: 0.43 Delta Y: -0.258



Point 53:

X1: 527620.229 Y1: 4875570.881 X2: 527620.831 Y2: 4875570.451 Delta X: 0.602 Delta Y: -0.43



Point 54:

X1: 561258.271 Y1: 4870583.519 X2: 561258.701 Y2: 4870583.433 Delta X: 0.43 Delta Y: -0.086



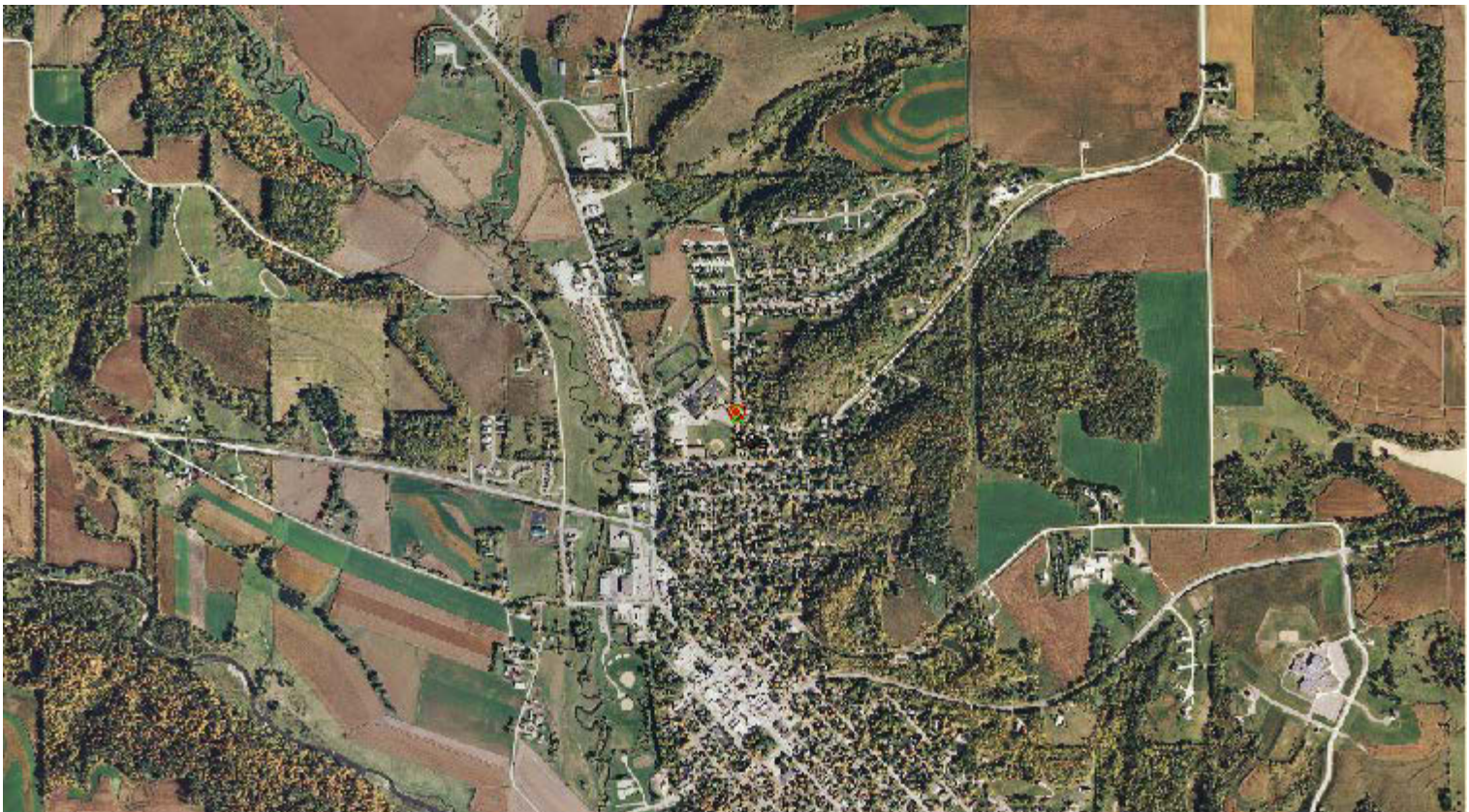
Point 56:

X1: 605795.249 Y1: 4878745.01 X2: 605795.679 Y2: 4878744.752 Delta X: 0.43 Delta Y: -0.258



Point 58a:

X1: 565168.948 Y1: 4856016.35 X2: 565169.206 Y2: 4856016.78 Delta X: 0.258 Delta Y: 0.43



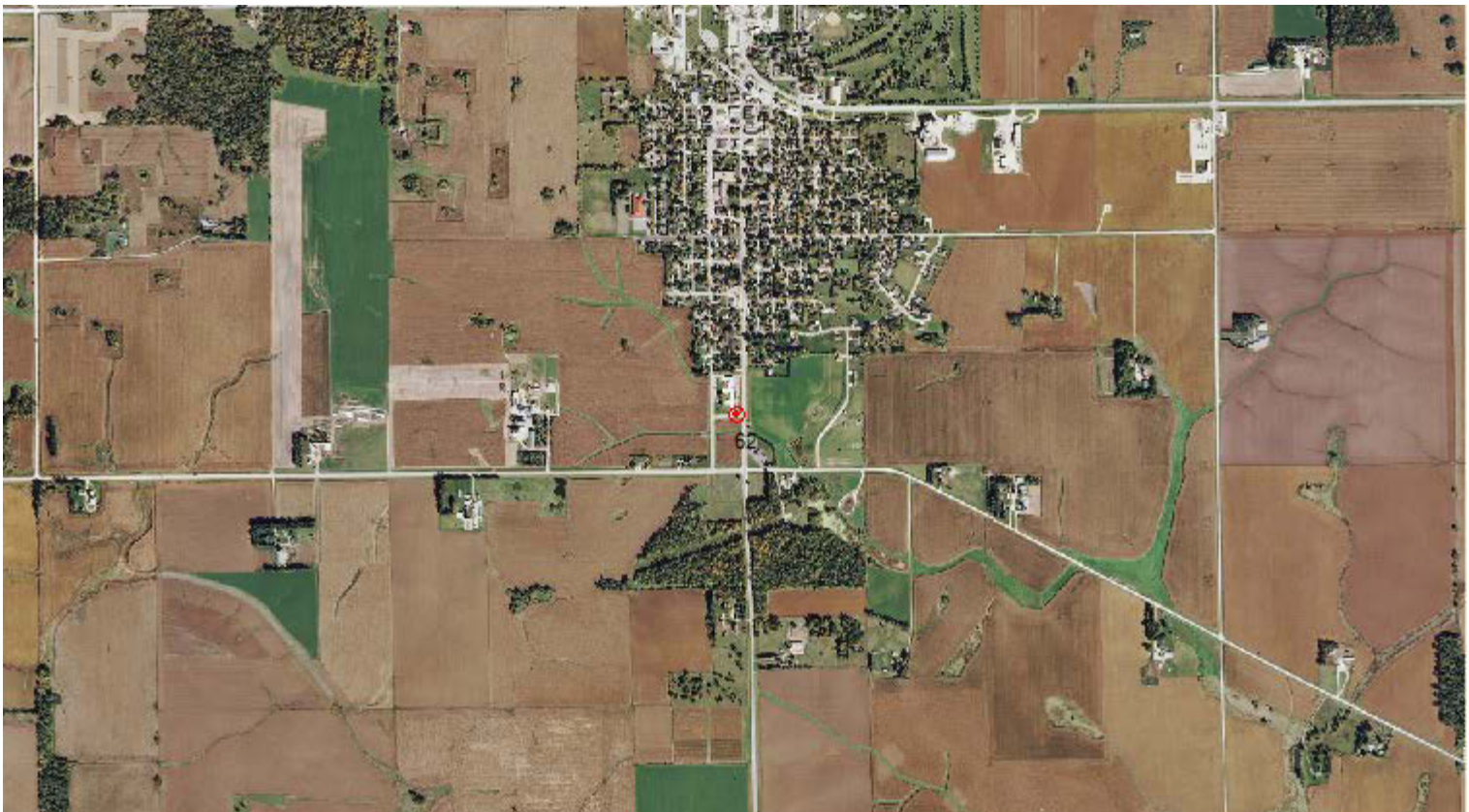
Point 58b:

X1: 549270.58 Y1: 4838359.812 X2: 549271.182 Y2: 4838359.382 Delta X: 0.602 Delta Y: -0.43



Point 62:

X1: 579942.177 Y1: 4821909.595 X2: 579942.779 Y2: 4821909.165 Delta X: 0.602 Delta Y: -0.43



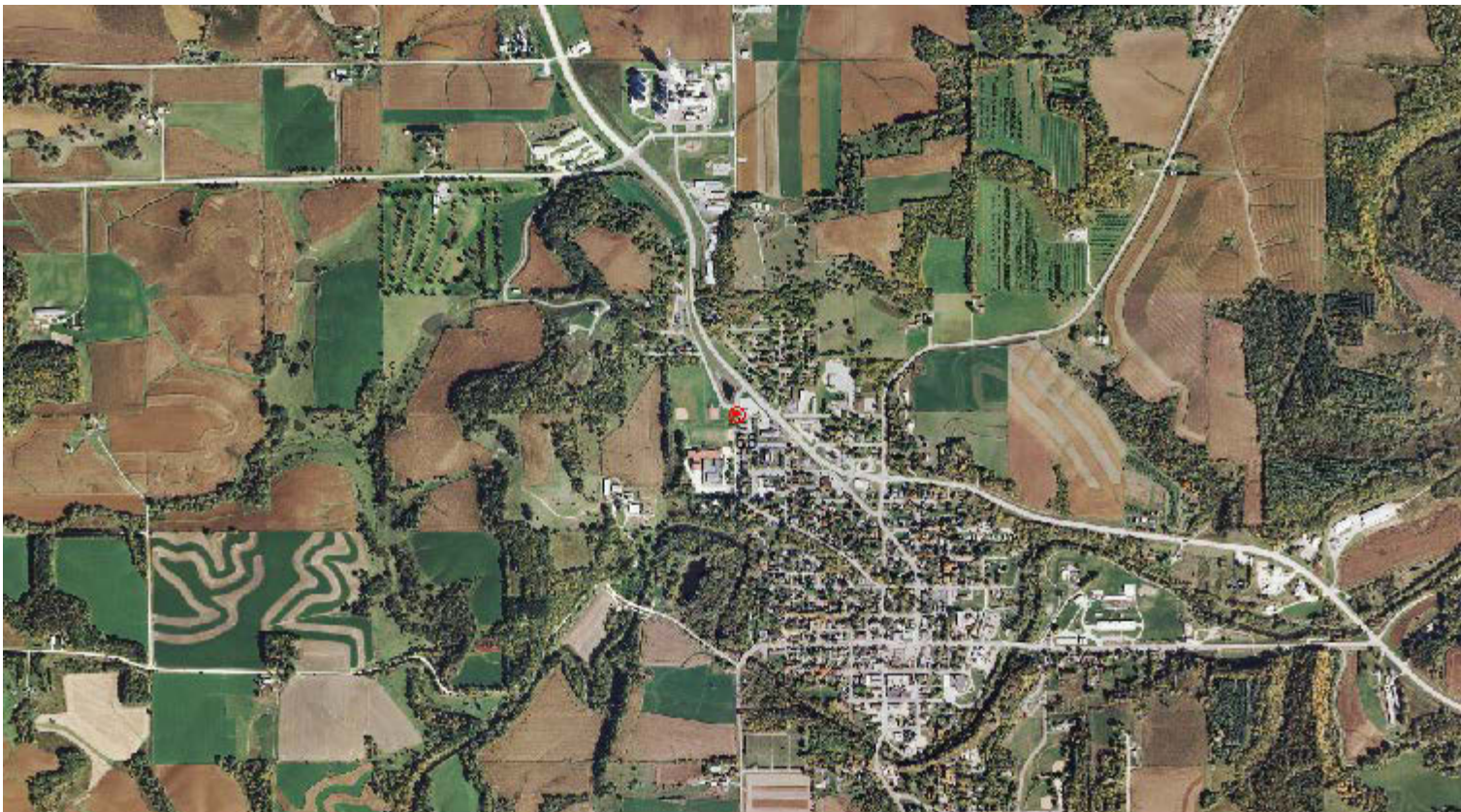
Point 63:

X1: 609630.962 Y1: 4823974.321 X2: 609631.392 Y2: 4823973.891 Delta X: 0.43 Delta Y: -0.43



Point 66:

X1: 573389.499 Y1: 4836463.119 X2: 573391.477 Y2: 4836463.033 Delta X: 1.978 Delta Y: -0.086



Point 67:

X1: 600270.069 Y1: 4851603.077 X2: 600270.155 Y2: 4851602.819 Delta X: 0.086 Delta Y: -0.258



Point 60:

X1: 633175.129 Y1: 4846964.914 X2: 633175.215 Y2: 4846964.14 Delta X: 0.086 Delta Y: -0.774



Point 64:

X1: 643097.644 Y1: 4823855.439 X2: 643095.322 Y2: 4823857.589 Delta X: -2.322 Delta Y: 2.15



Coordinates and Offsets of Unanalyzed Locations

		ID		
		Survey X	Survey Y	Reason For Exclusion
1)	<input type="checkbox"/> 11			
		495844.312	5130730.963	Ambiguous Location
2)	<input type="checkbox"/> 15			
		499369.128	5105992.081	Ambiguous Location
3)	<input type="checkbox"/> 18			
		440761.476	5092404.398	Ambiguous Location
4)	<input type="checkbox"/> 9			
		440800.149	5138851.216	Obscure Location
5)	<input type="checkbox"/> 29			
		412013.904	5047765.574	Ambiguous Location
6)	<input type="checkbox"/> 55			
		625402.59	4864614.102	Other

Point 11:

X1: 495844.312 Y1: 5130730.963 Reason For Exclusion: Ambiguous Location



Point 15:

X1: 499369.128 Y1: 5105992.081 Reason For Exclusion: Ambiguous Location



Point 18:

X1: 440761.476 Y1: 5092404.398 Reason For Exclusion: Ambiguous Location



Point 9:

X1: 440800.149 Y1: 5138851.216 Reason For Exclusion: Obscure Location



Point 29:

X1: 412013.904 Y1: 5047765.574 Reason For Exclusion: Ambiguous Location



Point 55:

X1: 625402.59 Y1: 4864614.102 Reason For Exclusion: Other

