FOCUS on Accuracy

NY FEMA - Central Zone

LiDAR Accuracy Assessment

Powered by Quantum Spatial

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Project Summary 1

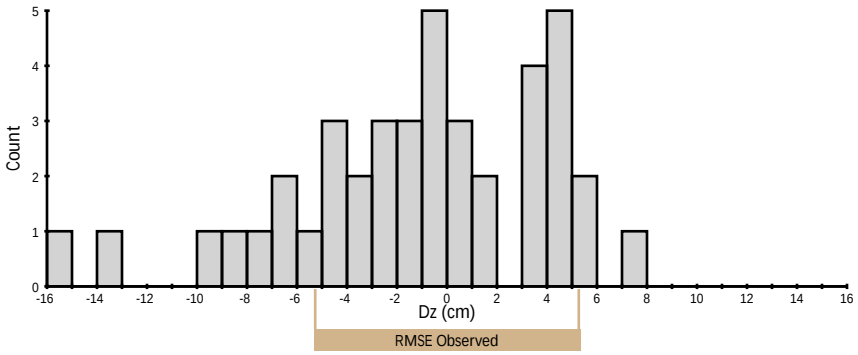
Type Maps 2

Control Point Breakdown . . . . . 3 - 7

Appendix - Individual Control Point Summaries . . . . . A1 - A93

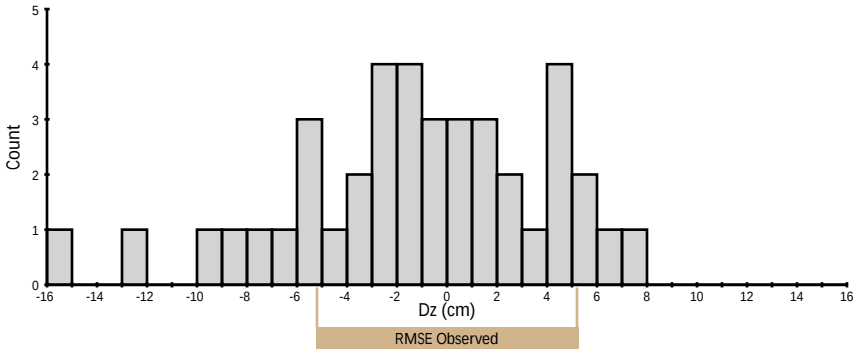
Project Summary

Nonvegetated Vertical Accuracy Swath



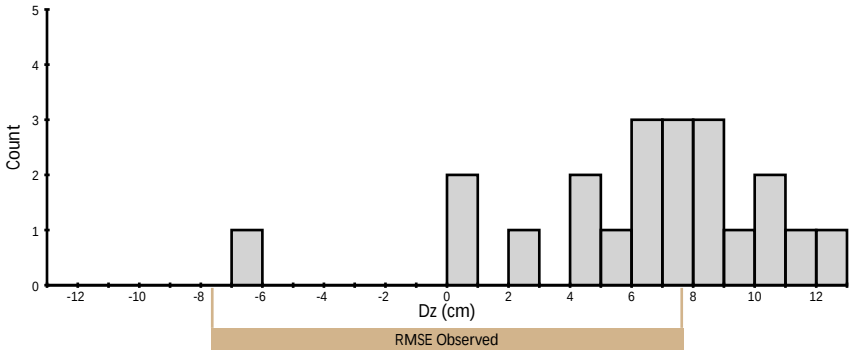
	Observed	Required
RMSE	5.33 cm	10.00 cm
95% Confidence Level	10.44 cm	19.60 cm
Mean	-1.27 cm	N/A
Count	41	N/A

Nonvegetated Vertical Accuracy DEM



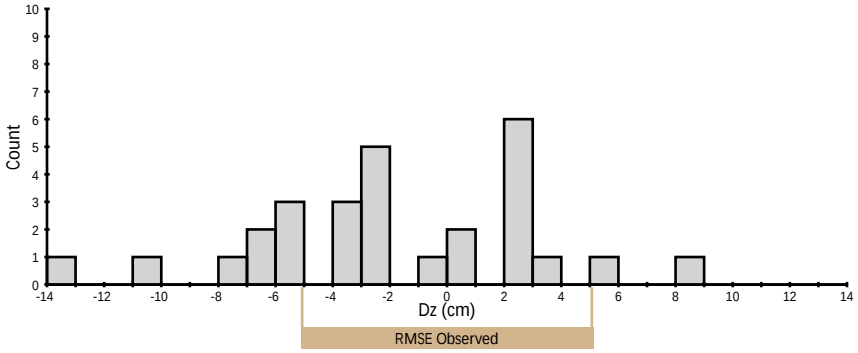
	Observed	Required
RMSE	5.25 cm	N/A
95% Confidence Level	10.30 cm	19.60 cm
Mean	-1.15 cm	N/A
Count	41	N/A

Vegetated Vertical Accuracy



	Observed	Required
RMSE	7.67 cm	N/A
95th Percentile	11.82 cm	29.40 cm
Mean	5.82 cm	N/A
Count	23	N/A

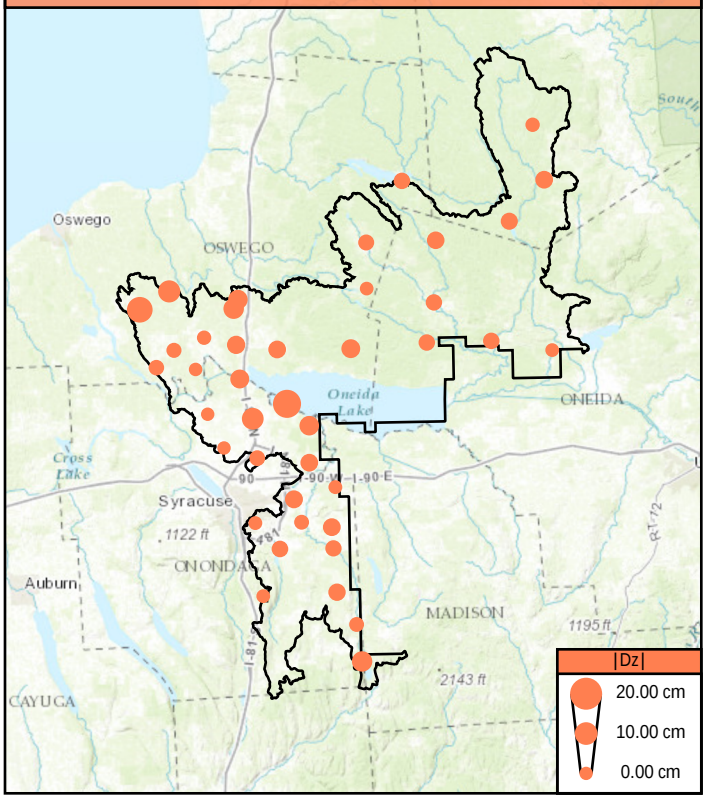
Calibration



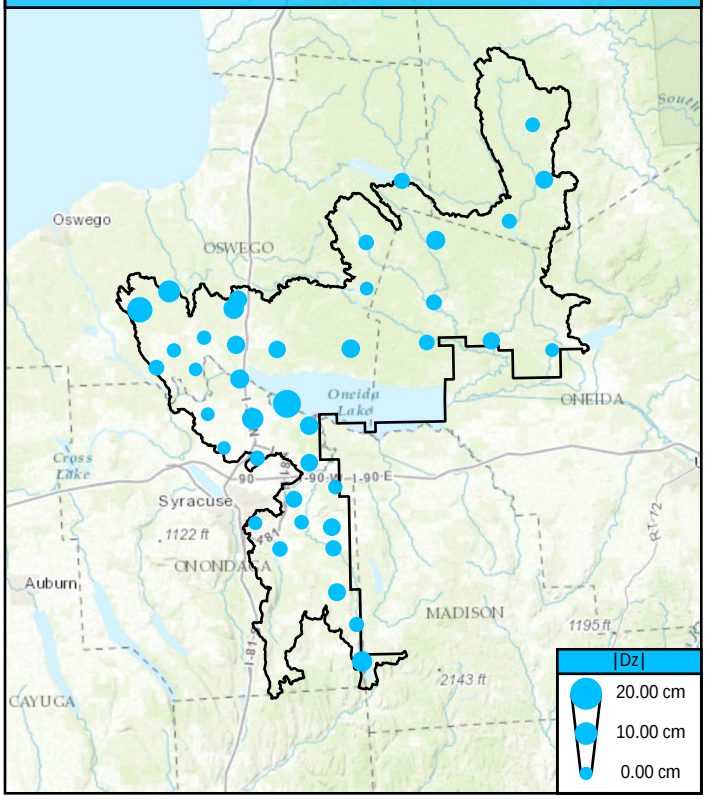
	Observed	Required
RMSE	5.12 cm	N/A
Mean	-1.82 cm	N/A
Count	28	N/A

Control Point Locations

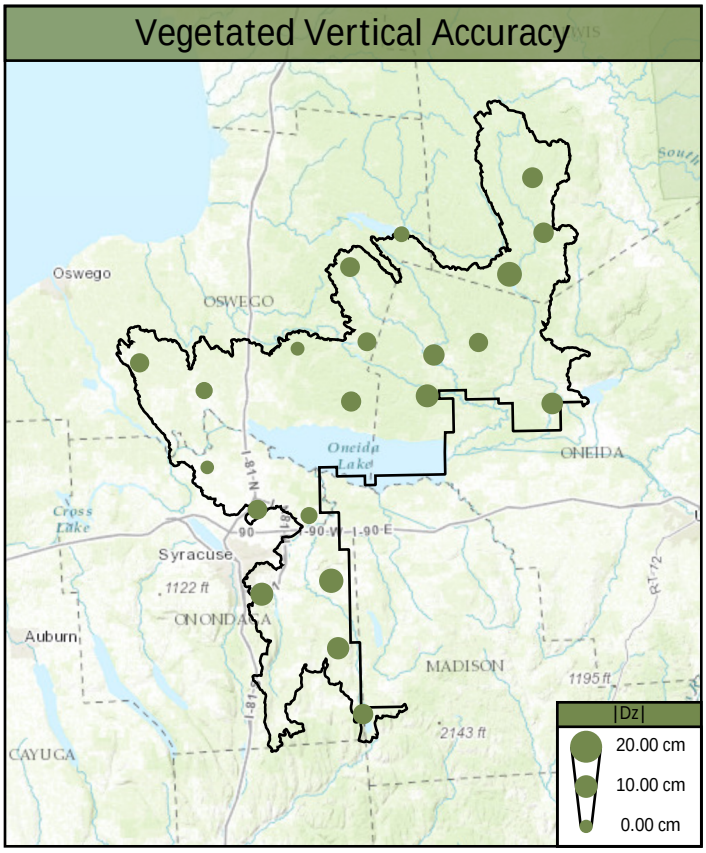
Nonvegetated Vertical Accuracy Swath



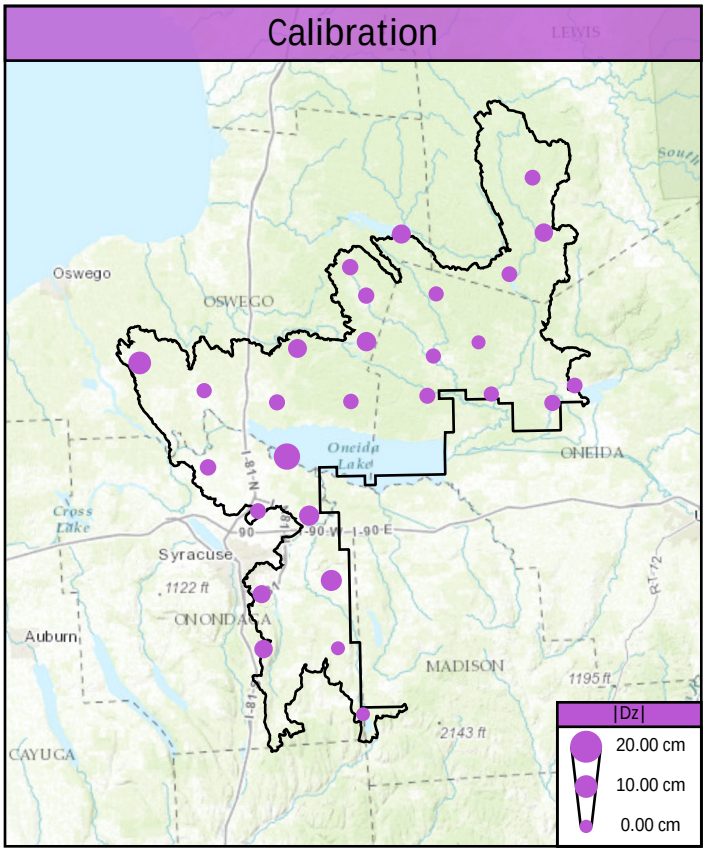
Nonvegetated Vertical Accuracy DEM



Vegetated Vertical Accuracy



Calibration



Control Point Breakdown

Point	Type	Raw TIN Dz	DEM Dz	Ground Density	Nearest Ground	Slope
BE01	NVA	7.52 cm	7.43 cm	1.73 ppsm	0.41 m	5.19°
BE02	NVA	4.33 cm	4.93 cm	1.87 ppsm	0.46 m	0.95°
BE04	NVA	4.76 cm	4.80 cm	1.80 ppsm	0.33 m	1.03°
BE05	NVA	-4.70 cm	-4.68 cm	1.84 ppsm	0.27 m	1.90°
BE06	NVA	0.10 cm	0.50 cm	1.77 ppsm	0.30 m	1.07°
BE07	NVA	4.70 cm	4.44 cm	1.52 ppsm	0.33 m	0.39°
BE08	NVA	1.10 cm	1.18 cm	1.66 ppsm	0.41 m	2.50°
BE09	NVA	-13.17 cm	-12.84 cm	2.05 ppsm	0.27 m	0.30°
BE10	NVA	5.89 cm	5.66 cm	1.80 ppsm	0.39 m	0.75°
BE11	NVA	-0.39 cm	0.39 cm	2.05 ppsm	0.30 m	2.45°
BE12	NVA	-3.31 cm	-2.60 cm	1.98 ppsm	0.40 m	1.75°
BE13	NVA	3.37 cm	4.32 cm	1.59 ppsm	0.18 m	1.09°
BE14	NVA	-2.85 cm	-2.47 cm	2.58 ppsm	0.27 m	1.65°
BE15	NVA	4.52 cm	6.22 cm	1.98 ppsm	0.28 m	1.47°
BE16	NVA	4.02 cm	1.84 cm	1.77 ppsm	0.29 m	0.47°
BE17	NVA	-3.38 cm	-3.17 cm	2.83 ppsm	0.32 m	4.23°
BE18	NVA	-4.71 cm	-5.02 cm	1.06 ppsm	0.66 m	1.24°
BE19	NVA	-1.11 cm	-1.53 cm	2.05 ppsm	0.43 m	2.23°
UA01	NVA	0.50 cm	Outside of AOI	1.84 ppsm	0.16 m	Outside of AOI
UA02	NVA	-2.60 cm	-2.31 cm	1.98 ppsm	0.02 m	1.15°
UA03	NVA	-15.79 cm	-15.61 cm	1.49 ppsm	0.27 m	1.14°
UA04	NVA	3.28 cm	2.87 cm	2.09 ppsm	0.26 m	0.95°
UA05	NVA	-0.44 cm	-0.60 cm	2.23 ppsm	0.28 m	0.73°
UA19	NVA	-0.53 cm	-0.77 cm	1.63 ppsm	0.14 m	2.33°
UA25	NVA	3.52 cm	2.32 cm	2.05 ppsm	0.14 m	1.97°
UA26	NVA	3.16 cm	3.13 cm	1.77 ppsm	0.42 m	0.55°

Control Point Breakdown Continued

Point	Type	Dz TIN	Dz DEM	Ground Density	Nearest Ground	Slope
UA27	NVA	-5.99 cm	-6.12 cm	1.70 ppsm	0.18 m	1.33°
UA28	NVA	-8.98 cm	-8.73 cm	1.73 ppsm	0.36 m	0.72°
UA29	NVA	-7.61 cm	-7.64 cm	2.05 ppsm	0.32 m	1.54°
UA30	NVA	-9.42 cm	-9.33 cm	2.09 ppsm	0.23 m	1.25°
UA31	NVA	-1.87 cm	-1.09 cm	1.84 ppsm	0.46 m	0.65°
UA32	NVA	-4.91 cm	-3.63 cm	1.59 ppsm	0.43 m	0.99°
UA33	NVA	-0.55 cm	-1.19 cm	1.63 ppsm	0.57 m	1.65°
UA34	NVA	-6.67 cm	-5.61 cm	1.70 ppsm	0.11 m	1.43°
UA35	NVA	-1.67 cm	-1.36 cm	1.41 ppsm	0.36 m	1.62°
UA36	NVA	-0.12 cm	-0.27 cm	2.02 ppsm	0.38 m	1.65°
UA37	NVA	0.20 cm	0.29 cm	1.66 ppsm	0.41 m	0.48°
UA38	NVA	1.66 cm	1.90 cm	1.63 ppsm	0.23 m	1.31°
UA39	NVA	-2.35 cm	-2.62 cm	1.66 ppsm	0.36 m	0.72°
UA40	NVA	5.28 cm	5.36 cm	1.63 ppsm	0.11 m	0.79°
UA41	NVA	-6.66 cm	-5.38 cm	2.65 ppsm	0.06 m	0.79°
FO02	VVA	N/A	Outside of AOI	1.66 ppsm	0.45 m	Outside of AOI
FO03	VVA	N/A	4.00 cm	1.66 ppsm	0.26 m	3.43°
FO04	VVA	N/A	-6.33 cm	0.35 ppsm	0.45 m	2.54°
FO05	VVA	N/A	0.60 cm	2.09 ppsm	0.21 m	3.96°
FO06	VVA	N/A	7.34 cm	1.80 ppsm	0.22 m	3.27°
FO07	VVA	N/A	5.87 cm	0.74 ppsm	0.33 m	2.53°
FO08	VVA	N/A	10.32 cm	1.52 ppsm	0.13 m	2.02°
FO09	VVA	N/A	8.67 cm	1.13 ppsm	0.38 m	0.51°
FO10	VVA	N/A	6.32 cm	1.77 ppsm	0.33 m	2.52°
FO11	VVA	N/A	Outside of AOI	1.84 ppsm	0.49 m	Outside of AOI
FO12	VVA	N/A	8.90 cm	1.77 ppsm	0.15 m	2.36°

Control Point Breakdown Continued

Point	Type	Dz TIN	Dz DEM	Ground Density	Nearest Ground	Slope
FO13	VVA	N/A	12.30 cm	0.88 ppsm	0.30 m	1.43°
FO14	VVA	N/A	6.96 cm	1.87 ppsm	0.24 m	1.07°
FO15	VVA	N/A	2.69 cm	2.72 ppsm	0.16 m	3.78°
SH01	VVA	N/A	10.45 cm	2.12 ppsm	0.28 m	7.23°
SH02	VVA	N/A	6.72 cm	2.05 ppsm	0.21 m	4.90°
SH03	VVA	N/A	7.70 cm	1.13 ppsm	0.16 m	4.34°
SH04	VVA	N/A	8.01 cm	1.66 ppsm	0.19 m	2.43°
TW01	VVA	N/A	7.50 cm	1.70 ppsm	0.32 m	2.29°
TW02	VVA	N/A	9.63 cm	1.63 ppsm	0.24 m	2.32°
TW03	VVA	N/A	11.82 cm	1.84 ppsm	0.33 m	0.28°
TW04	VVA	N/A	0.29 cm	1.66 ppsm	0.27 m	1.98°
TW05	VVA	N/A	4.14 cm	1.84 ppsm	0.40 m	2.77°
CA01	CAL	0.53 cm	0.12 cm	1.66 ppsm	0.33 m	1.70°
CA02	CAL	0.67 cm	1.52 cm	1.73 ppsm	0.16 m	2.55°
CA04	CAL	5.53 cm	Outside of AOI	2.09 ppsm	0.31 m	Outside of AOI
CA05	CAL	-5.15 cm	-4.51 cm	2.09 ppsm	0.37 m	1.12°
CA06	CAL	8.31 cm	8.48 cm	1.91 ppsm	0.22 m	0.25°
CA07	CAL	-7.40 cm	-6.43 cm	1.80 ppsm	0.37 m	2.30°
CA08	CAL	2.78 cm	2.76 cm	2.23 ppsm	0.37 m	0.48°
CA09	CAL	-13.90 cm	-13.91 cm	1.66 ppsm	0.29 m	0.58°
CA10	CAL	3.35 cm	3.99 cm	1.63 ppsm	0.19 m	0.22°
CA11	CAL	-2.97 cm	-2.62 cm	1.41 ppsm	0.56 m	1.69°
CA12	CAL	-2.06 cm	-2.93 cm	1.77 ppsm	0.03 m	2.24°
CA13	CAL	-10.06 cm	-9.53 cm	2.09 ppsm	0.24 m	1.62°
CA14	CAL	-5.97 cm	-5.65 cm	2.16 ppsm	0.17 m	4.38°
CA15	CAL	2.35 cm	2.96 cm	1.80 ppsm	0.39 m	0.86°

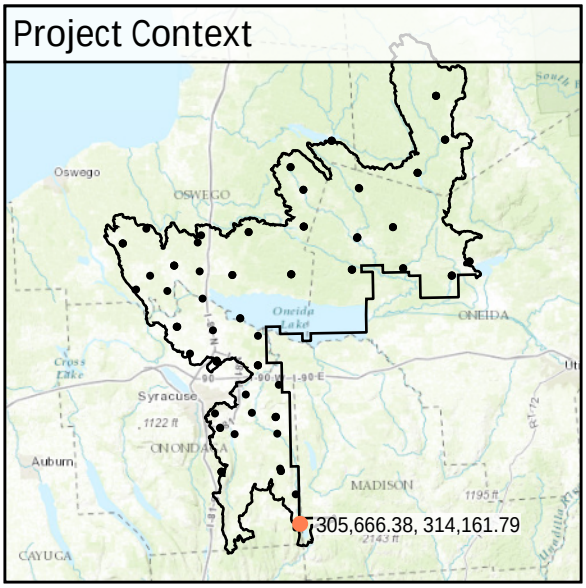
Control Point Breakdown Continued

Point	Type	Dz TIN	Dz DEM	Ground Density	Nearest Ground	Slope
CA16	CAL	-6.48 cm	-6.68 cm	1.98 ppsm	0.30 m	1.07°
CA17	CAL	-2.94 cm	-2.48 cm	2.05 ppsm	0.41 m	0.37°
CA18	CAL	2.00 cm	1.20 cm	2.37 ppsm	0.27 m	1.11°
CA19	CAL	-0.78 cm	-1.67 cm	1.91 ppsm	0.31 m	3.30°
CA20	CAL	2.62 cm	Outside of AOI	2.19 ppsm	0.19 m	Outside of AOI
CA21	CAL	-3.20 cm	-3.83 cm	2.48 ppsm	0.24 m	0.76°
CA22	CAL	-2.07 cm	-1.44 cm	1.59 ppsm	0.28 m	0.65°
CA23	CAL	-3.20 cm	-3.17 cm	2.58 ppsm	0.23 m	1.30°
CA24	CAL	2.01 cm	2.46 cm	1.98 ppsm	0.25 m	0.82°
CA25	CAL	2.59 cm	2.68 cm	1.66 ppsm	0.39 m	1.50°
CA26	CAL	-3.26 cm	-4.53 cm	2.12 ppsm	0.26 m	1.05°
CA27	CAL	-6.18 cm	-5.56 cm	2.76 ppsm	0.22 m	1.04°
CA28	CAL	-5.49 cm	-4.93 cm	1.20 ppsm	0.23 m	1.23°
CA29	CAL	-2.70 cm	-1.56 cm	2.02 ppsm	0.27 m	2.15°

BE01

Known Z	402.50 m	Point Density	1.73 ppsm
DEM Dz	0.07 m	Ground Density	1.73 ppsm
Raw TIN Dz	0.08 m	Slope	5.19 °

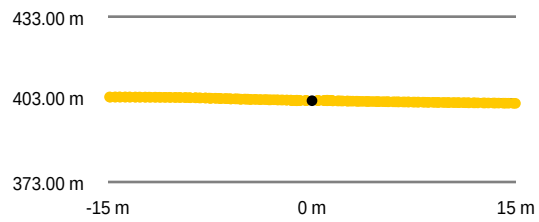
Project Context



World Imagery



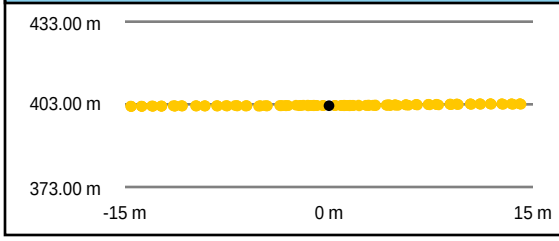
West to East



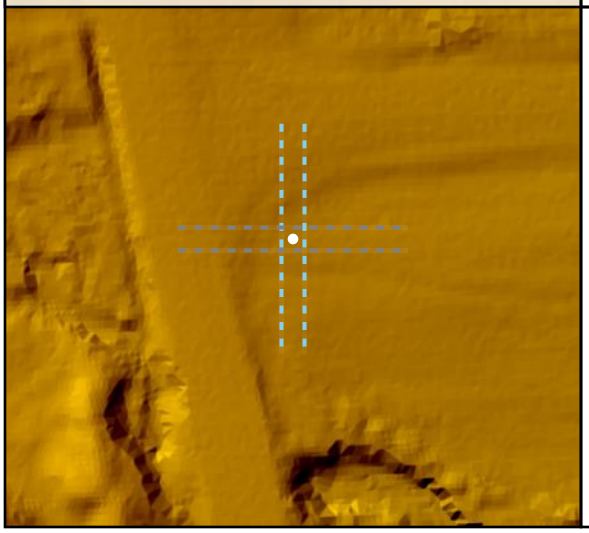
Intensity Raster



South to North



TIN Surface

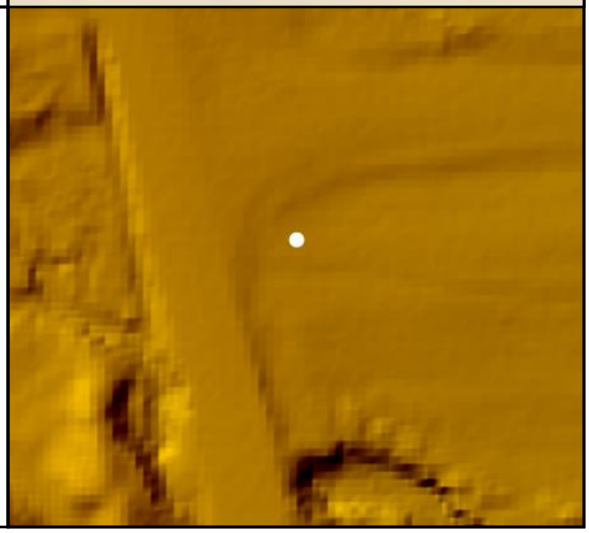


Project Elevation

591.16

110.29

DEM Surface



DEM Dz +0.07 m

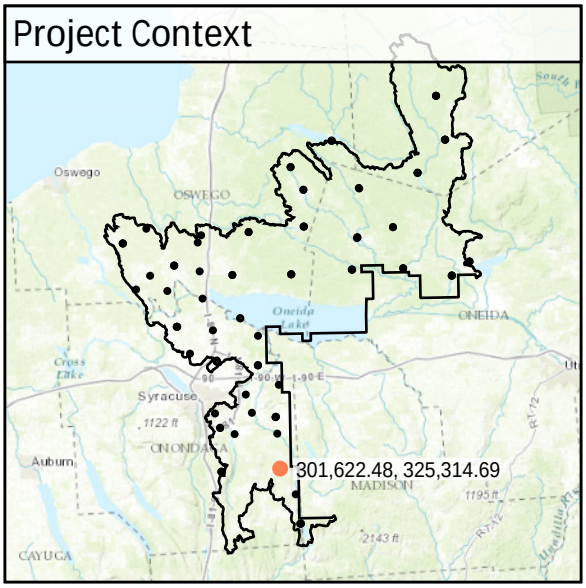
NVA - BE01

Raw TIN Dz +0.08 m

BE02

Known Z	399.40 m	Point Density	1.87 ppsm
DEM Dz	0.05 m	Ground Density	1.87 ppsm
Raw TIN Dz	0.04 m	Slope	0.95 °

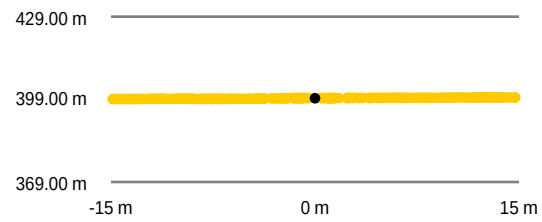
Project Context



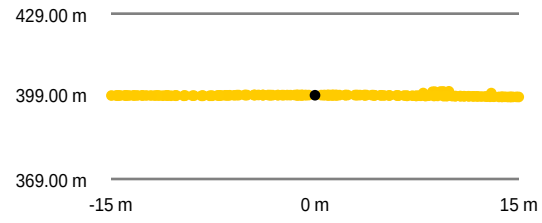
World Imagery



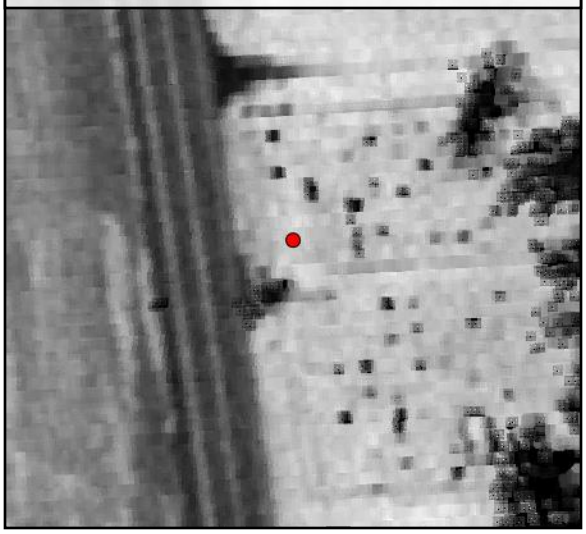
Southeast to Northwest



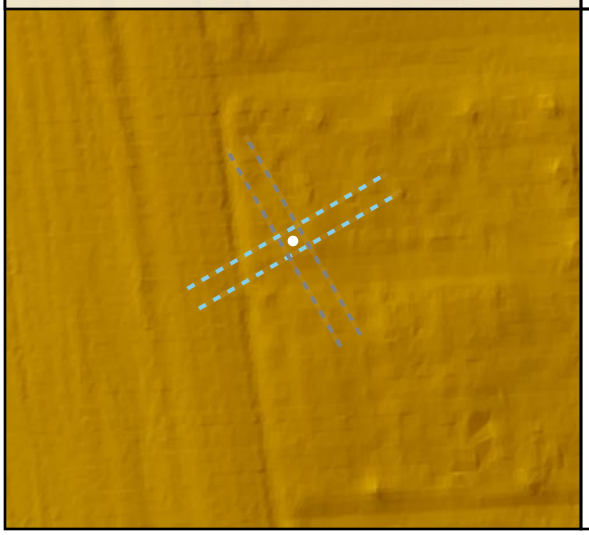
Southwest to Northeast



Intensity Raster



TIN Surface

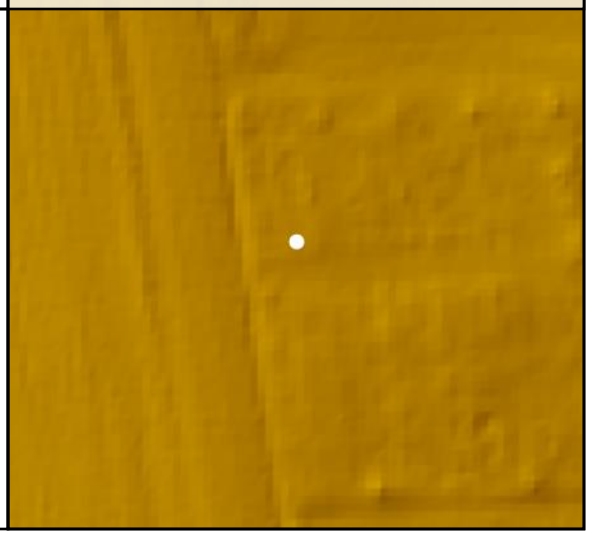


Project Elevation

591.16

110.29

DEM Surface



DEM Dz +0.05 m

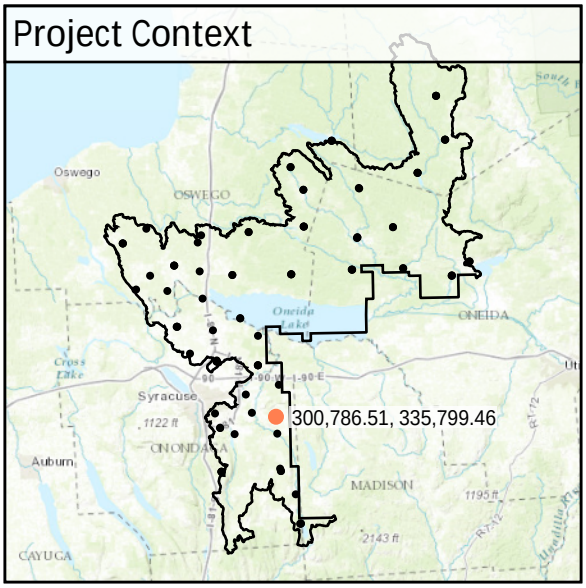
NVA - BE02

Raw TIN Dz +0.04 m

BE04

Known Z	257.64 m	Point Density	1.80 ppsm
DEM Dz	0.05 m	Ground Density	1.80 ppsm
Raw TIN Dz	0.05 m	Slope	1.03 °

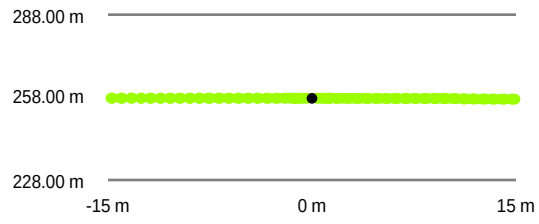
Project Context



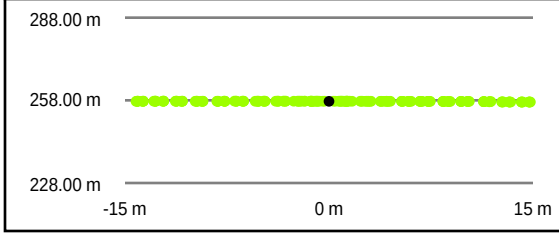
World Imagery



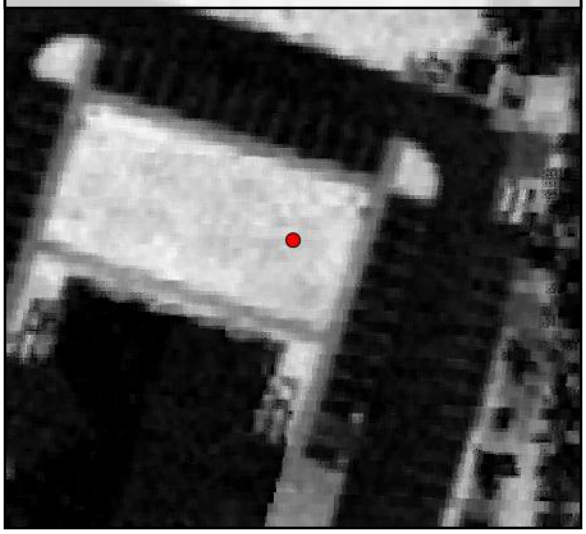
West to East



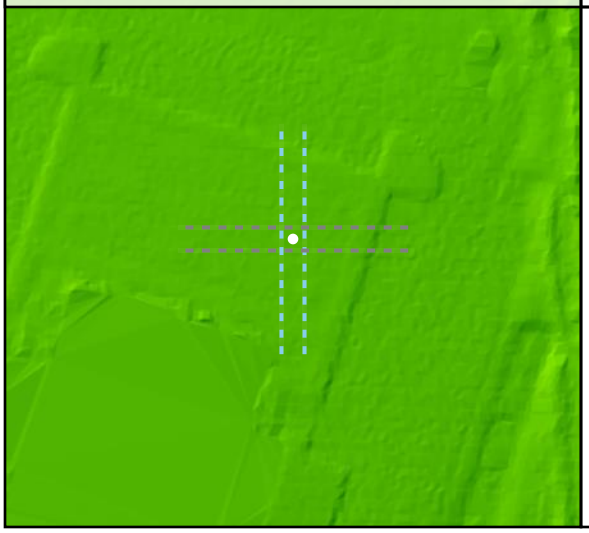
South to North



Intensity Raster



TIN Surface

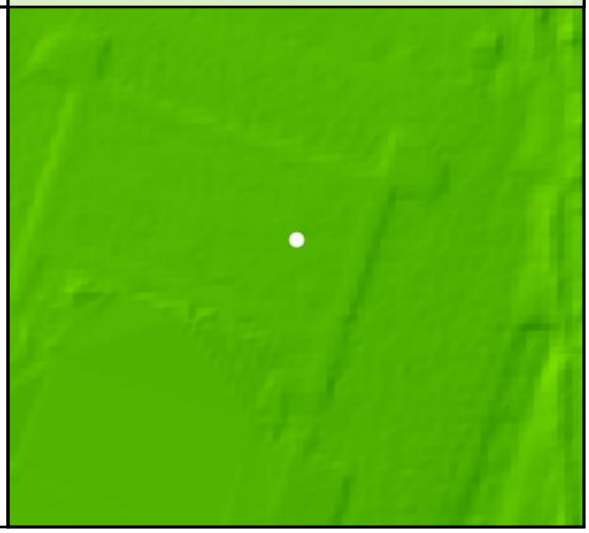


Project Elevation

591.16

110.29

DEM Surface



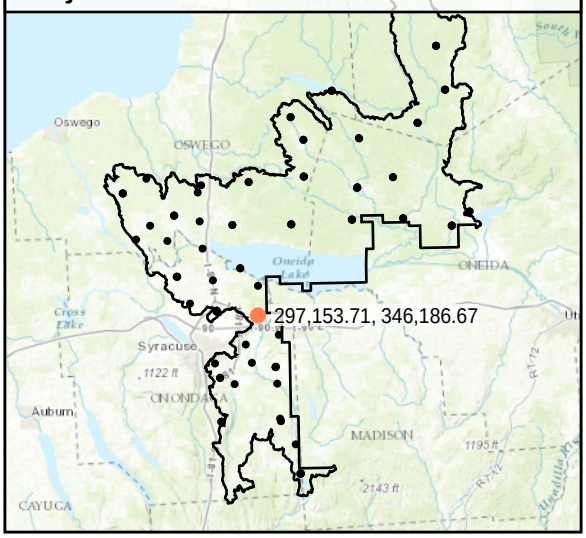
DEM Dz +0.05 m

NVA - BE04

Raw TIN Dz +0.05 m

BE05				
	Known Z	127.93 m	Point Density	1.84 ppsm
	DEM Dz	-0.05 m	Ground Density	1.84 ppsm
	Raw TIN Dz	-0.05 m	Slope	1.90 °

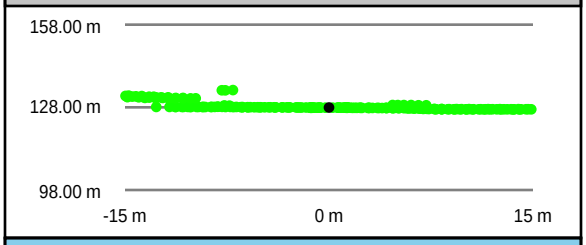
Project Context



World Imagery



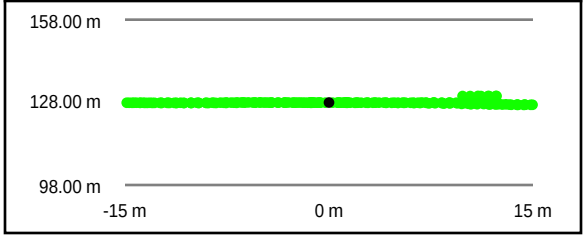
Southeast to Northwest



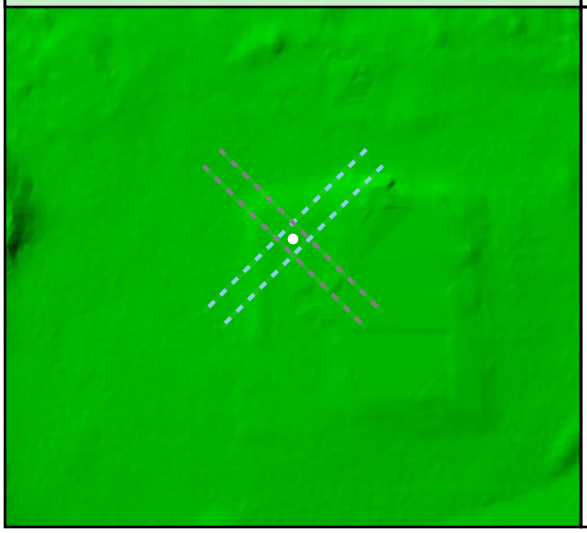
Intensity Raster



Southwest to Northeast



TIN Surface

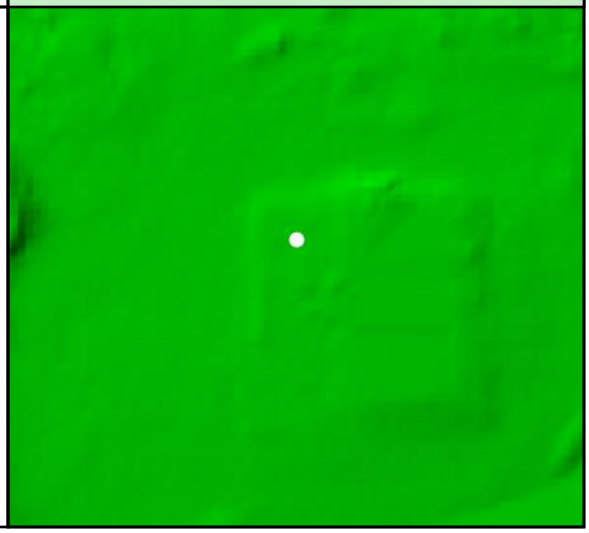


Project Elevation

591.16

110.29

DEM Surface



DEM Dz -0.05 m

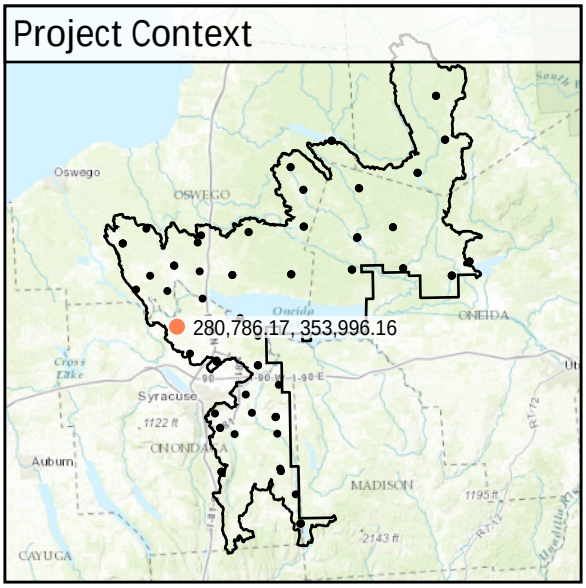
NVA - BE05

Raw TIN Dz -0.05 m

BE06

Known Z	121.67 m	Point Density	1.77 ppsm
DEM Dz	0.01 m	Ground Density	1.77 ppsm
Raw TIN Dz	0.00 m	Slope	1.07 °

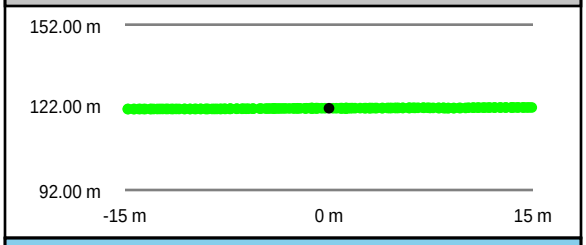
Project Context



World Imagery



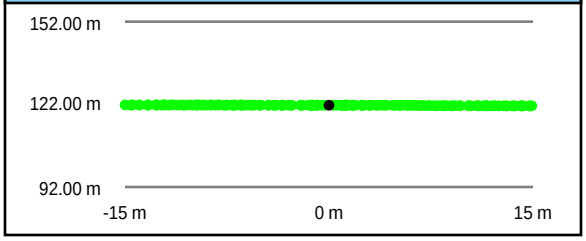
Southwest to Northeast



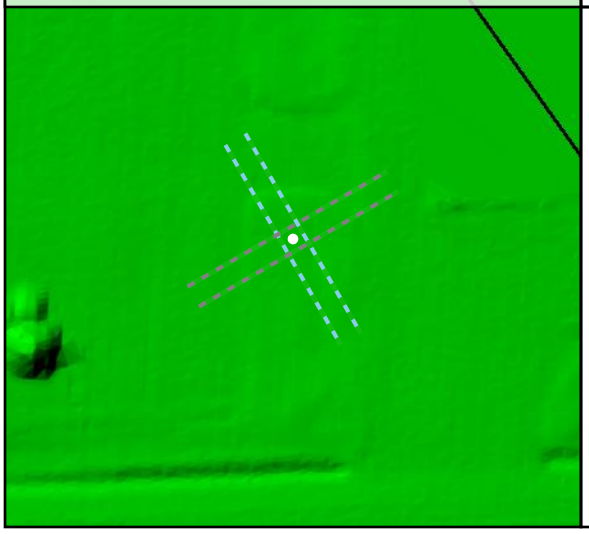
Intensity Raster



Southeast to Northwest



TIN Surface

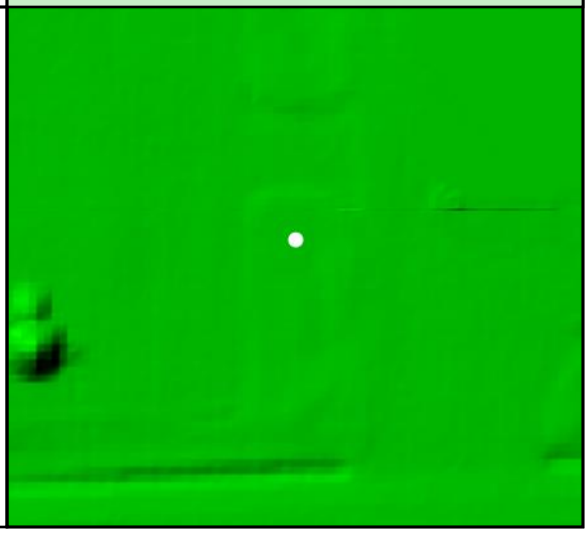


Project Elevation

591.16

110.29

DEM Surface



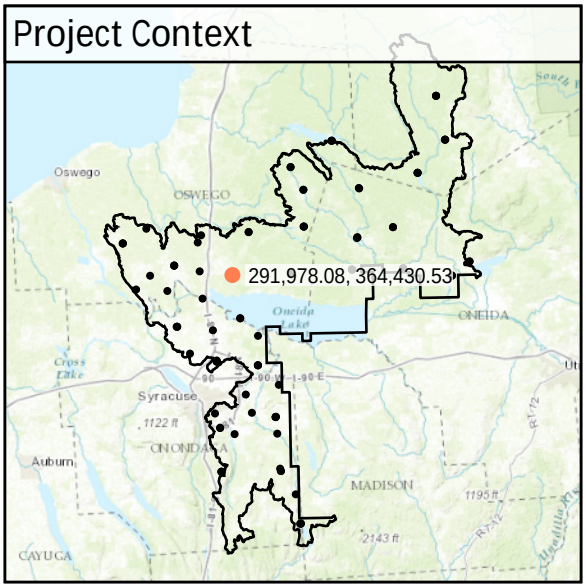
DEM Dz +0.01 m

NVA - BE06

Raw TIN Dz +0.00 m

BE07				
	Known Z	121.15 m	Point Density	1.52 ppsm
	DEM Dz	0.04 m	Ground Density	1.52 ppsm
	Raw TIN Dz	0.05 m	Slope	0.39 °

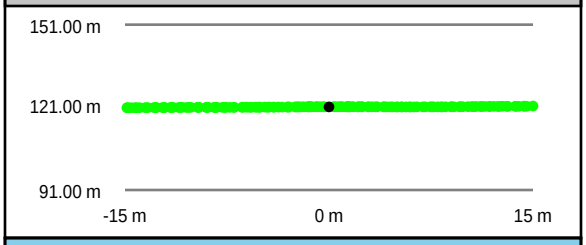
Project Context



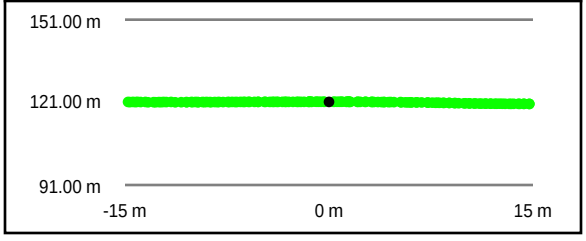
World Imagery



Southwest to Northeast



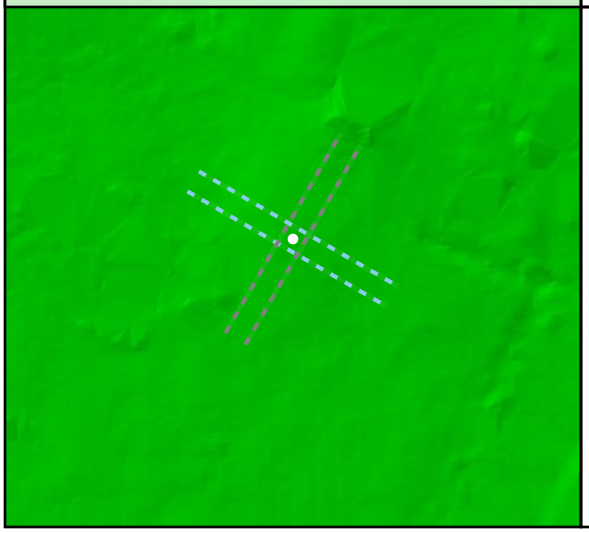
Southeast to Northwest



Intensity Raster



TIN Surface

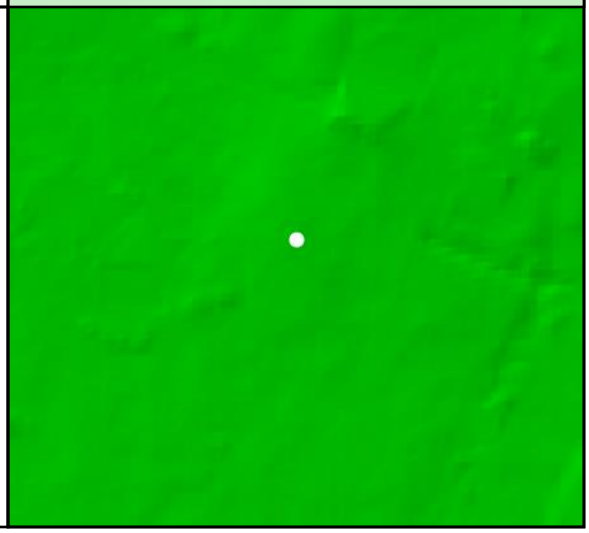


Project Elevation

591.16

110.29

DEM Surface



DEM Dz +0.04 m

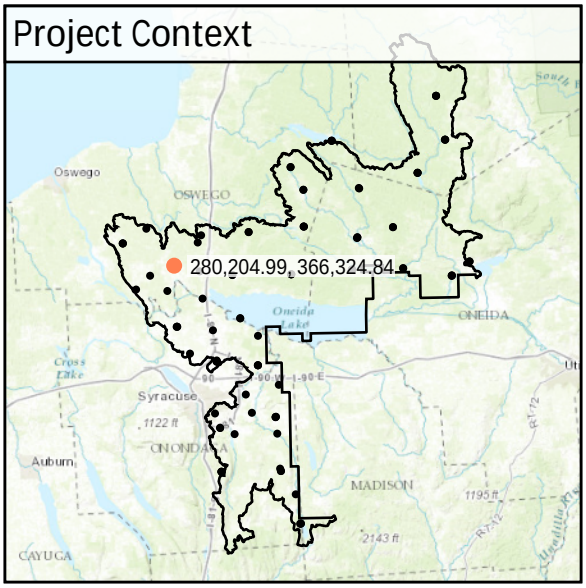
NVA - BE07

Raw TIN Dz +0.05 m

BE08

Known Z	128.95 m	Point Density	1.66 ppsm
DEM Dz	0.01 m	Ground Density	1.66 ppsm
Raw TIN Dz	0.01 m	Slope	2.50 °

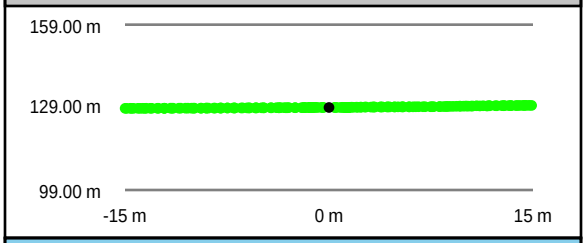
Project Context



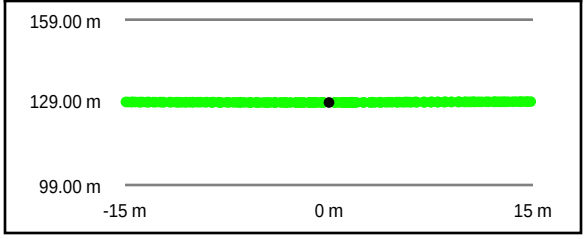
World Imagery



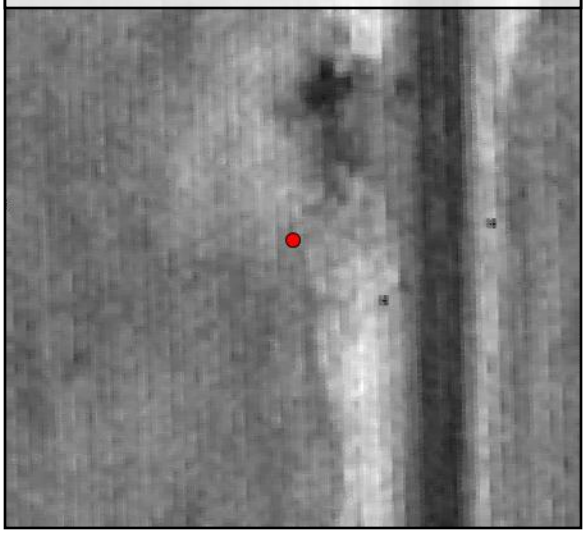
Southwest to Northeast



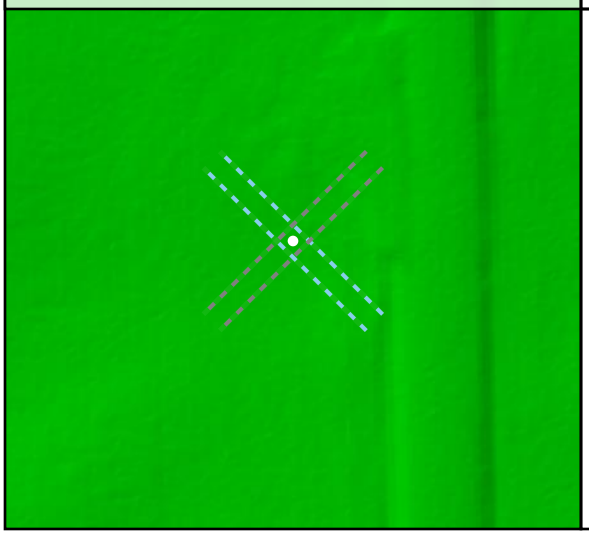
Southeast to Northwest



Intensity Raster



TIN Surface

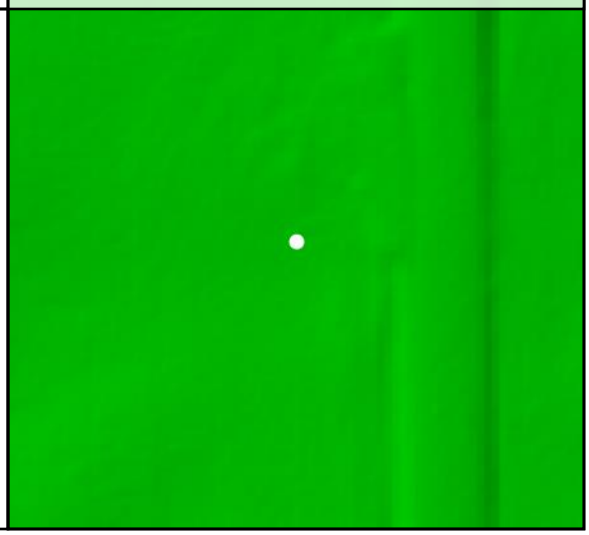


Project Elevation

591.16

110.29

DEM Surface



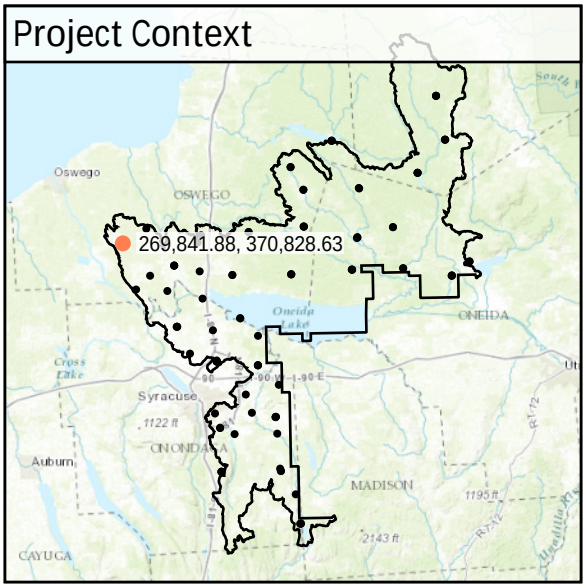
DEM Dz +0.01 m

NVA - BE08

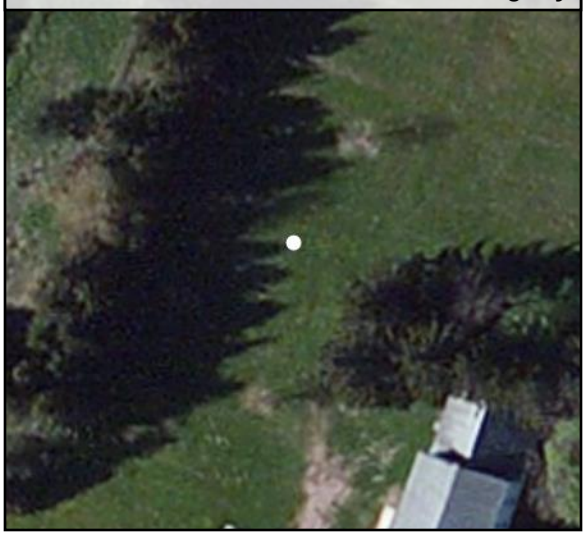
Raw TIN Dz +0.01 m

BE09				
	Known Z	148.36 m	Point Density	2.05 ppsm
	DEM Dz	-0.13 m	Ground Density	2.05 ppsm
	Raw TIN Dz	-0.13 m	Slope	0.30 °

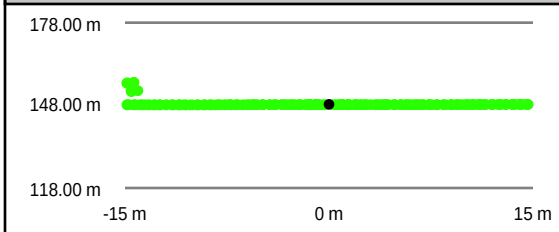
Project Context



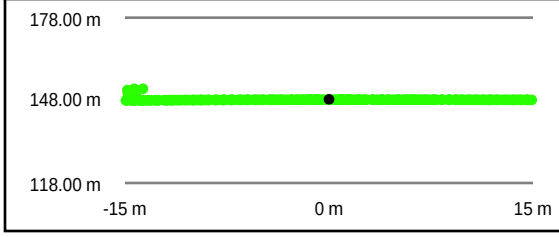
World Imagery



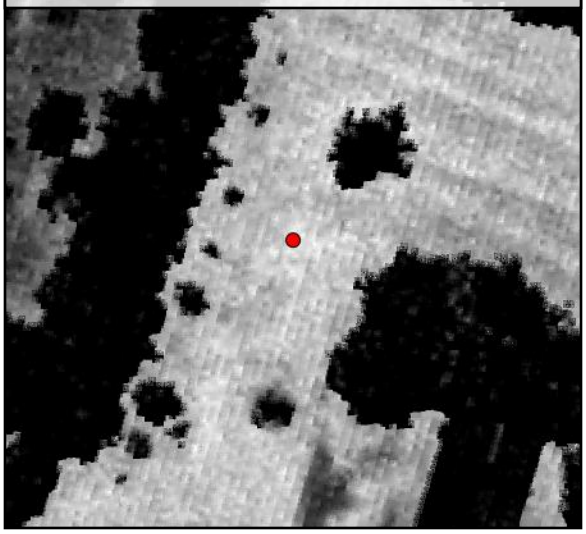
Southeast to Northwest



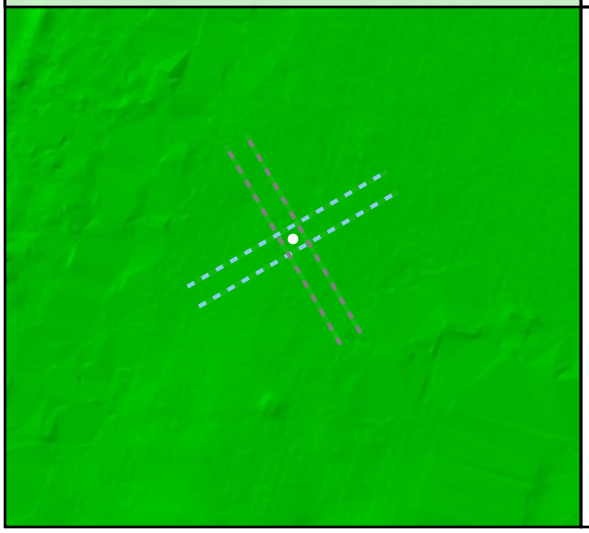
Southwest to Northeast



Intensity Raster



TIN Surface

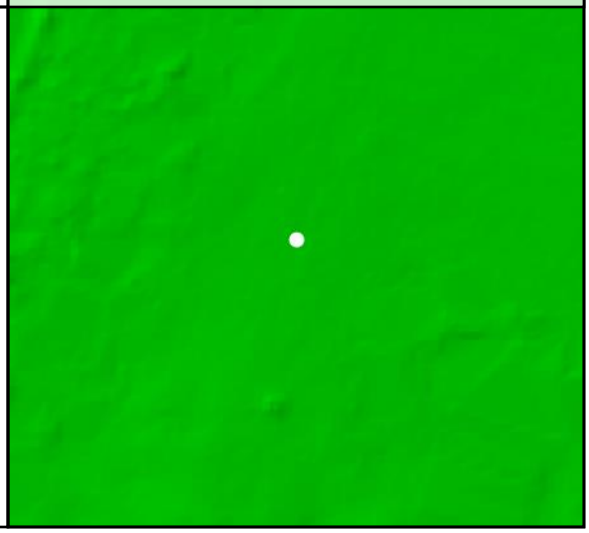


Project Elevation

591.16

110.29

DEM Surface



DEM Dz -0.13 m

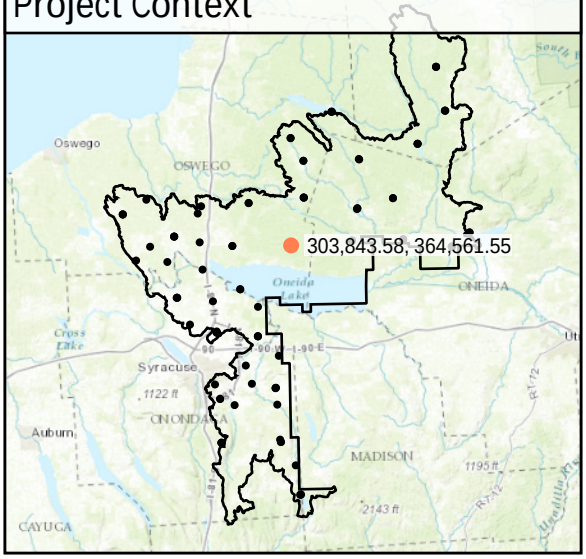
NVA - BE09

Raw TIN Dz -0.13 m

BE10

Known Z	181.28 m	Point Density	1.80 ppsm
DEM Dz	0.06 m	Ground Density	1.80 ppsm
Raw TIN Dz	0.06 m	Slope	0.75 °

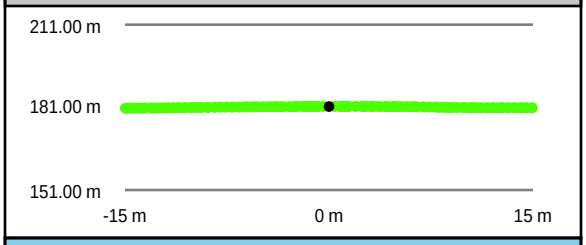
Project Context



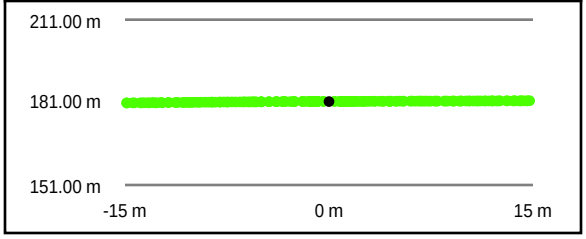
World Imagery



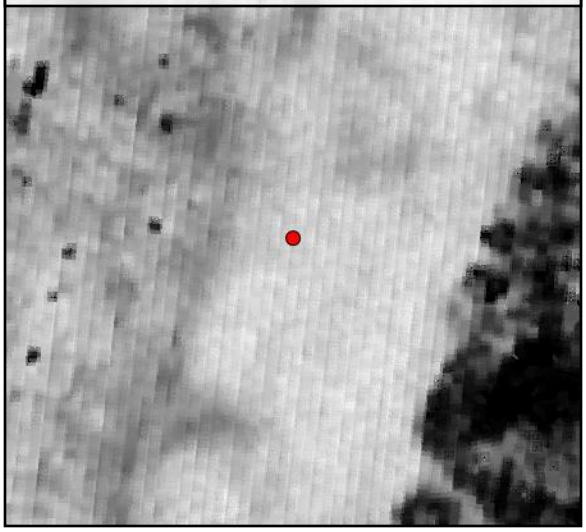
Southeast to Northwest



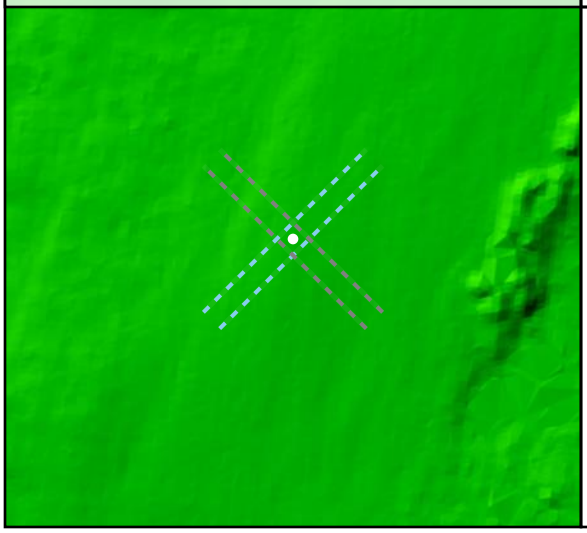
Southwest to Northeast



Intensity Raster



TIN Surface

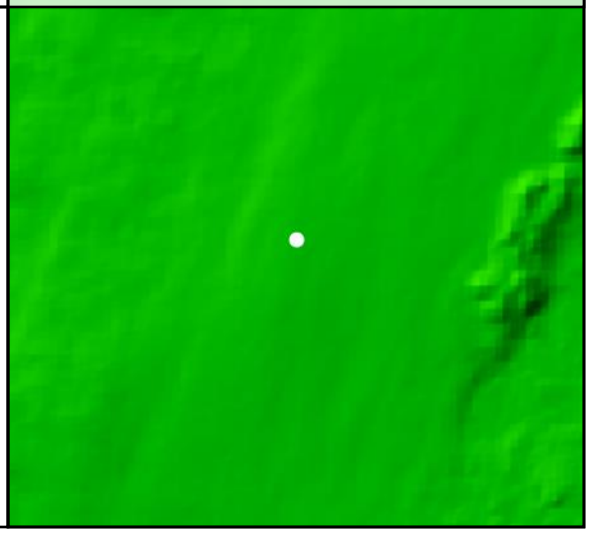


Project Elevation

591.16

110.29

DEM Surface



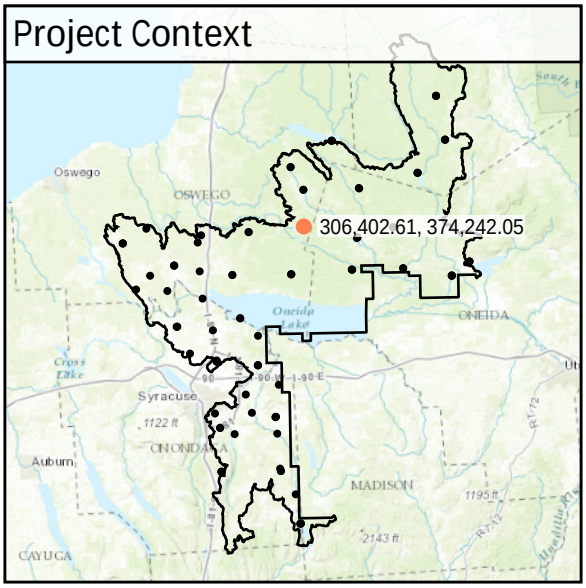
DEM Dz +0.06 m

NVA - BE10

Raw TIN Dz +0.06 m

BE11				
	Known Z	223.49 m	Point Density	2.05 ppsm
	DEM Dz	0.00 m	Ground Density	2.05 ppsm
	Raw TIN Dz	0.00 m	Slope	2.45 °

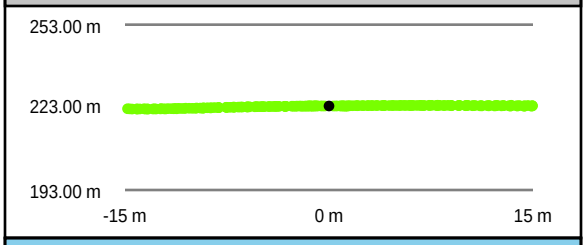
Project Context



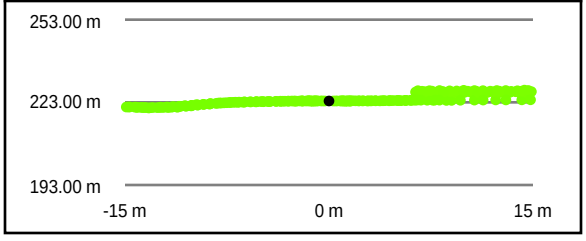
World Imagery



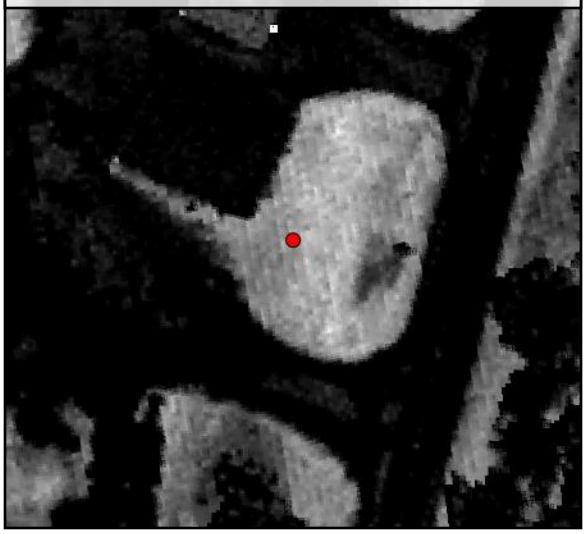
Southwest to Northeast



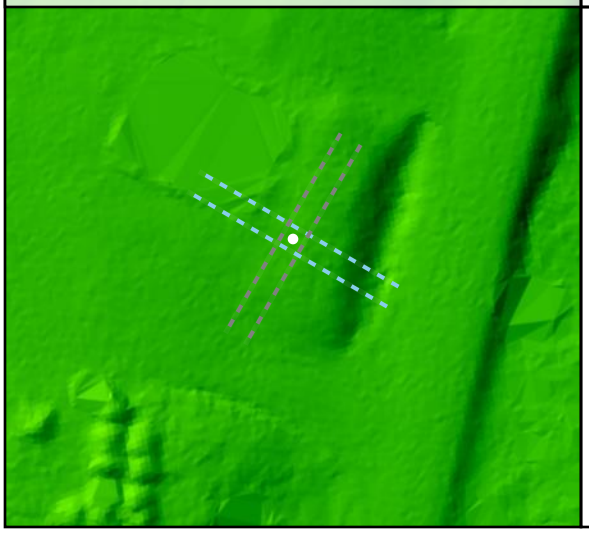
Southeast to Northwest



Intensity Raster



TIN Surface

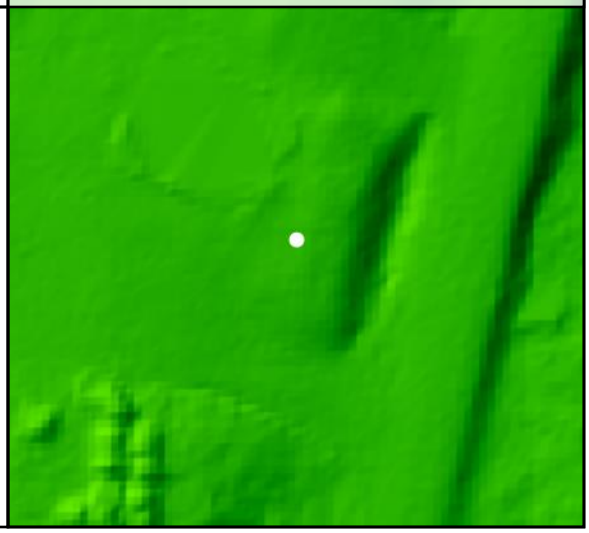


Project Elevation

591.16

110.29

DEM Surface



DEM Dz +0.00 m

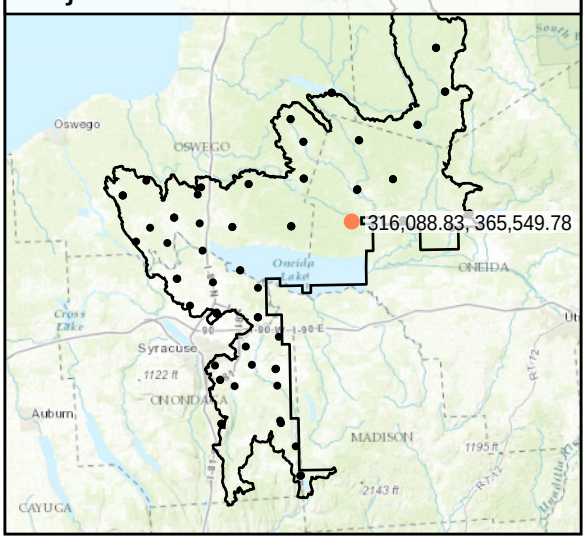
NVA - BE11

Raw TIN Dz 0.00 m

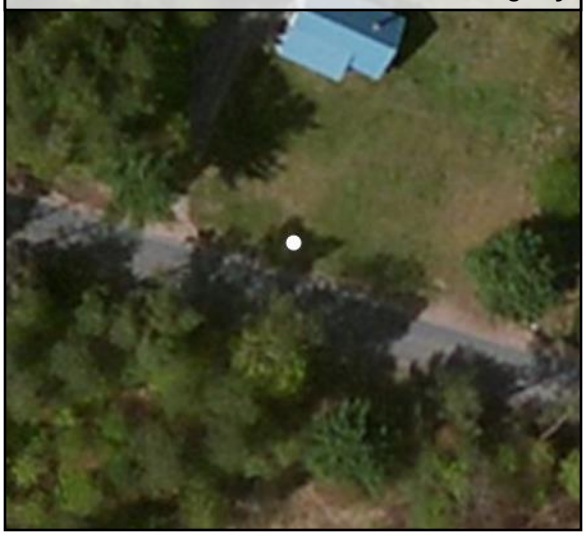
BE12

Known Z	154.41 m	Point Density	1.98 ppsm
DEM Dz	-0.03 m	Ground Density	1.98 ppsm
Raw TIN Dz	-0.03 m	Slope	1.75 °

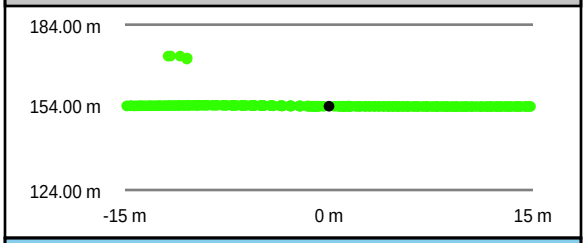
Project Context



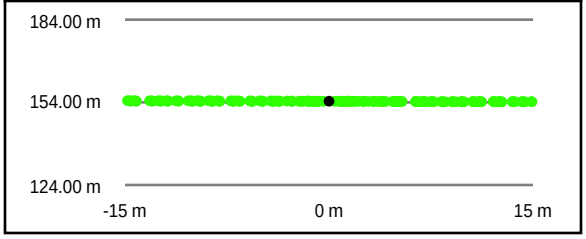
World Imagery



South to North



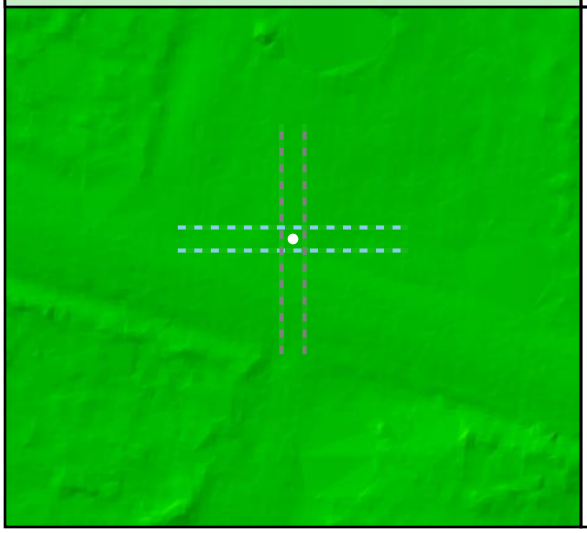
West to East



Intensity Raster



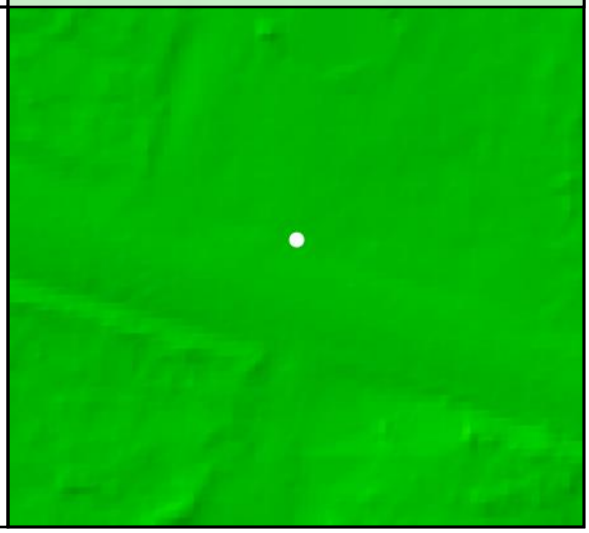
TIN Surface



Project Elevation



DEM Surface



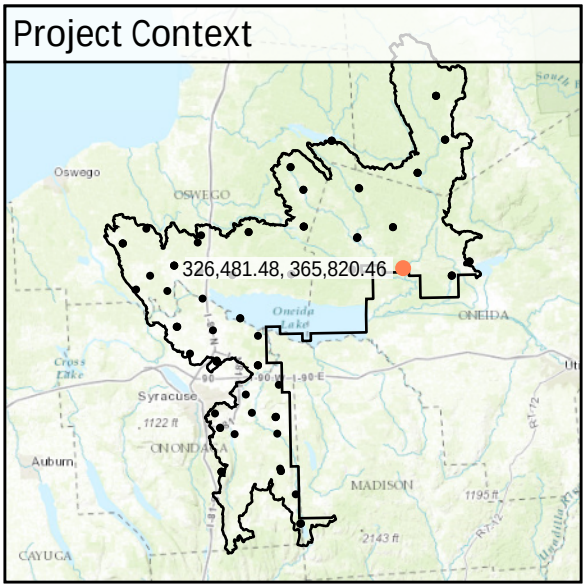
DEM Dz -0.03 m

NVA - BE12

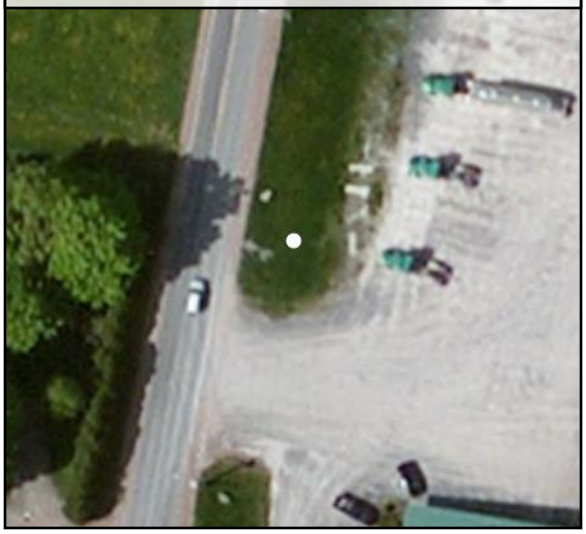
Raw TIN Dz -0.03 m

BE13				
	Known Z	136.96 m	Point Density	1.59 ppsm
	DEM Dz	0.04 m	Ground Density	1.59 ppsm
	Raw TIN Dz	0.03 m	Slope	1.09 °

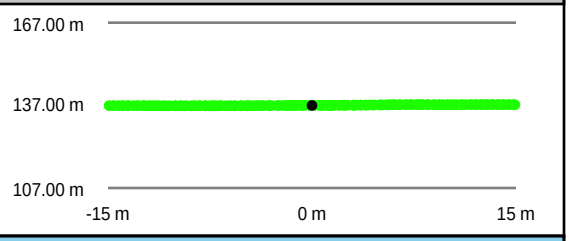
Project Context



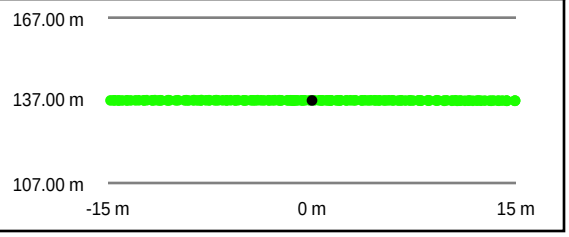
World Imagery



Southeast to Northwest



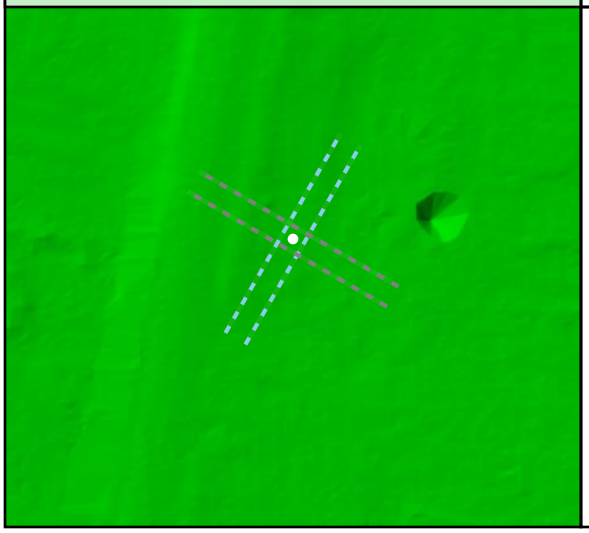
Southwest to Northeast



Intensity Raster



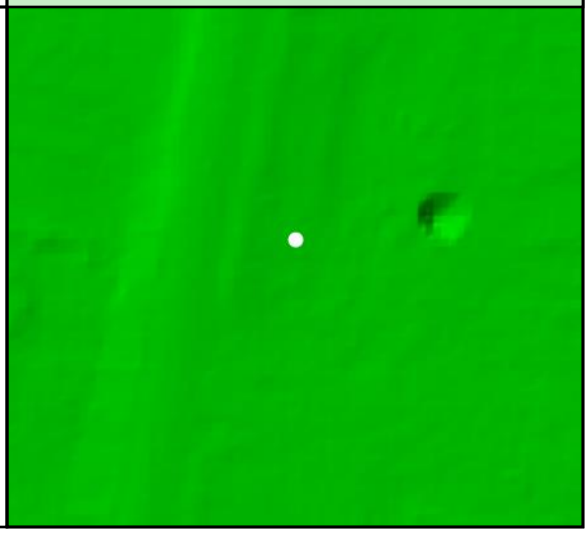
TIN Surface



Project Elevation



DEM Surface



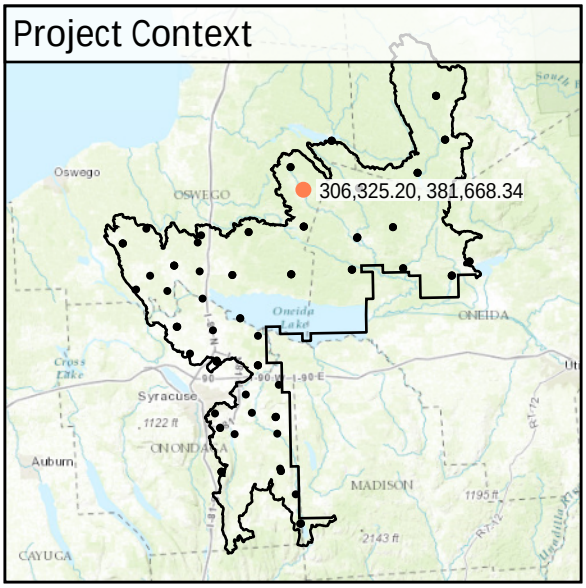
DEM Dz +0.04 m

NVA - BE13

Raw TIN Dz +0.03 m

BE14				
	Known Z	183.07 m	Point Density	2.58 ppsm
	DEM Dz	-0.02 m	Ground Density	2.58 ppsm
	Raw TIN Dz	-0.03 m	Slope	1.65 °

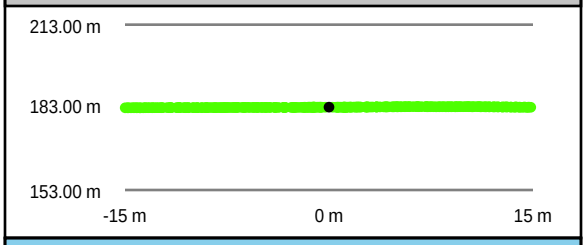
Project Context



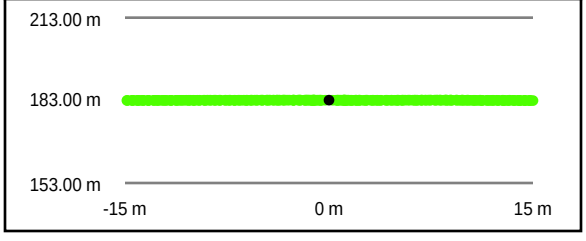
World Imagery



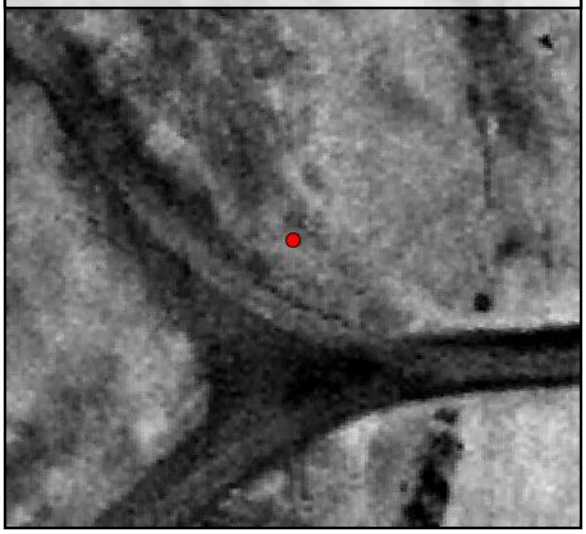
Southwest to Northeast



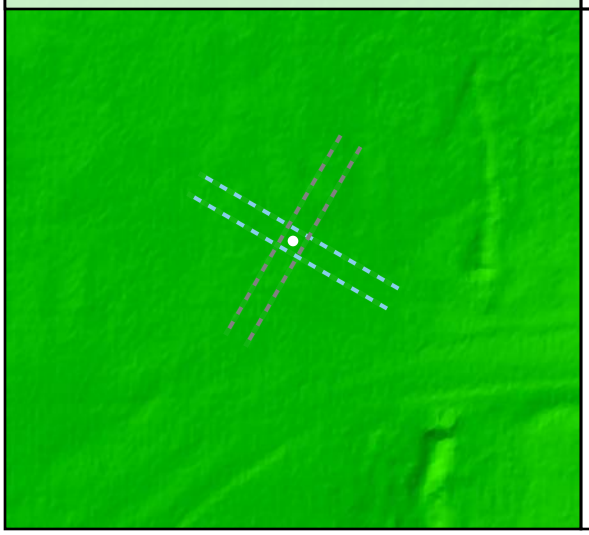
Southeast to Northwest



Intensity Raster



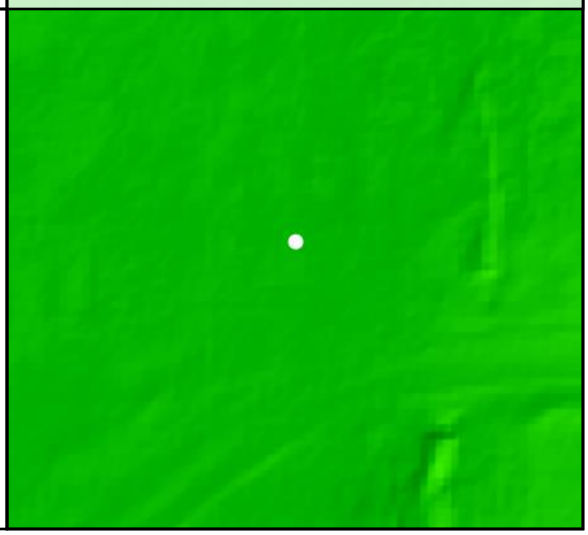
TIN Surface



Project Elevation



DEM Surface



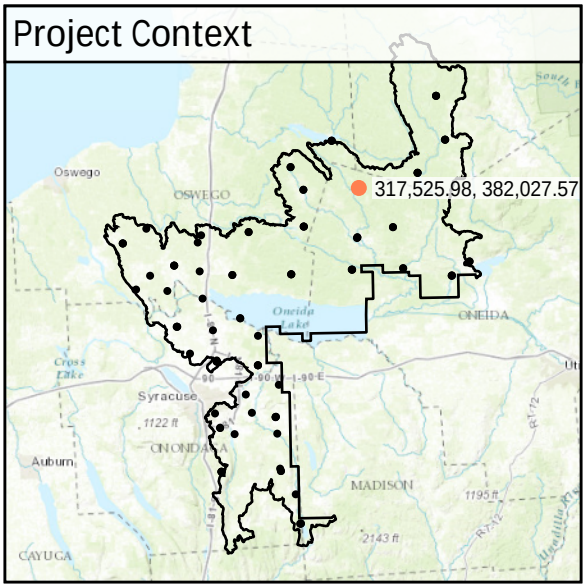
DEM Dz -0.02 m

NVA - BE14

Raw TIN Dz -0.03 m

BE15				
	Known Z	294.58 m	Point Density	1.98 ppsm
	DEM Dz	0.06 m	Ground Density	1.98 ppsm
	Raw TIN Dz	0.05 m	Slope	1.47 °

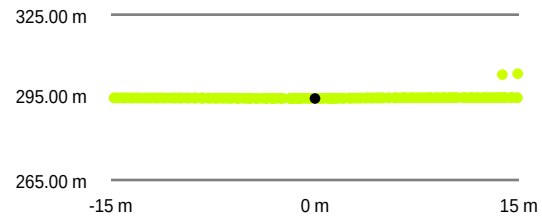
Project Context



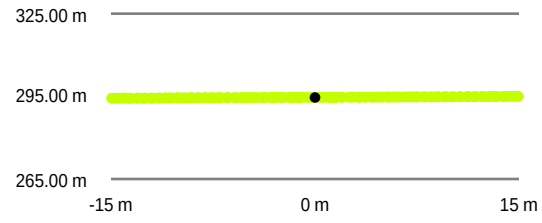
World Imagery



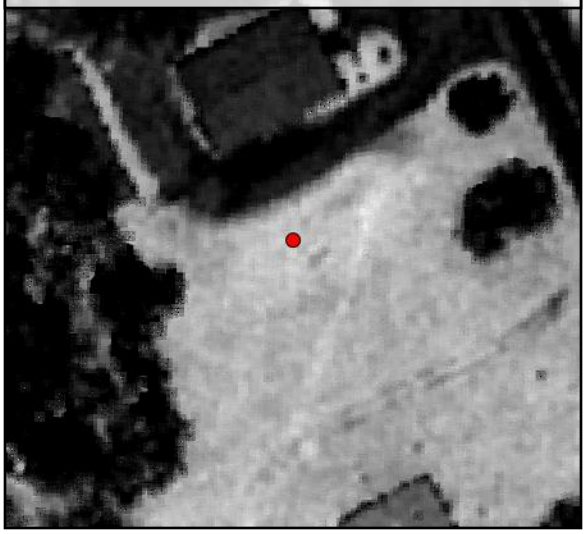
Southeast to Northwest



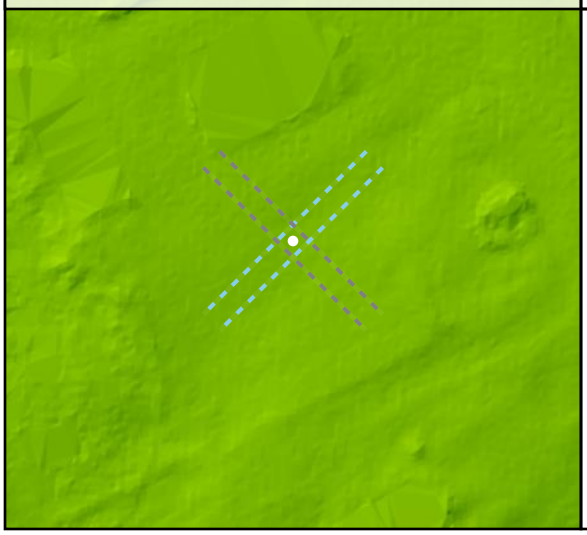
Southwest to Northeast



Intensity Raster



TIN Surface

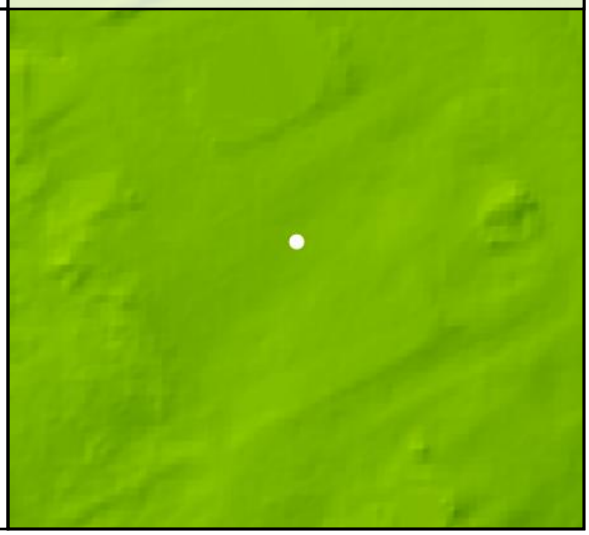


Project Elevation

591.16

110.29

DEM Surface



DEM Dz +0.06 m

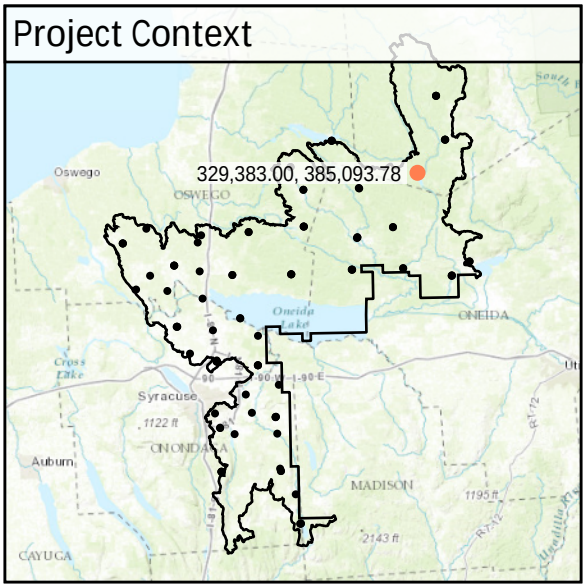
NVA - BE15

Raw TIN Dz +0.05 m

BE16

Known Z	402.74 m	Point Density	1.77 ppsm
DEM Dz	0.02 m	Ground Density	1.77 ppsm
Raw TIN Dz	0.04 m	Slope	0.47 °

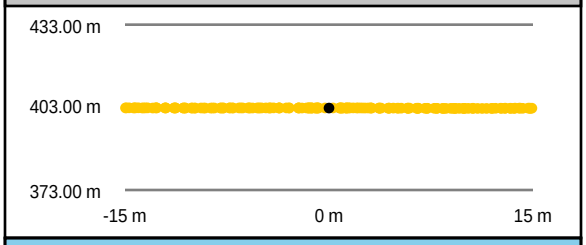
Project Context



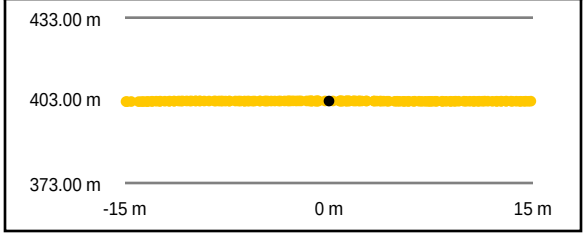
World Imagery



Southwest to Northeast



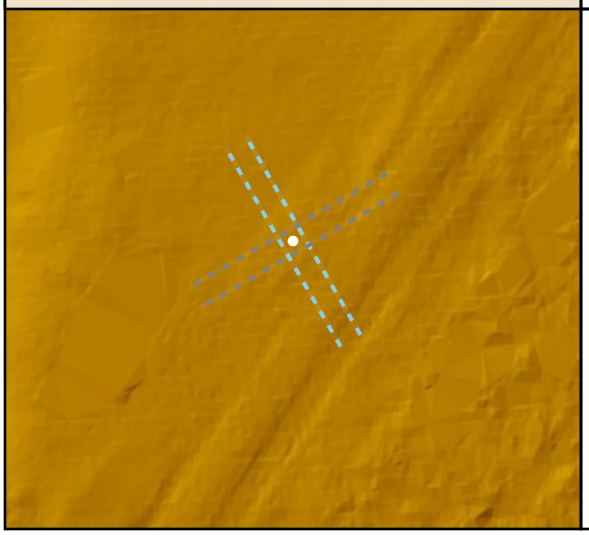
Southeast to Northwest



Intensity Raster



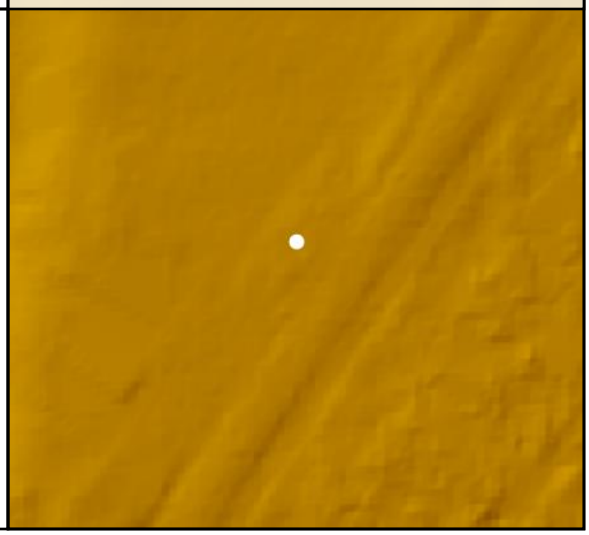
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.02 m

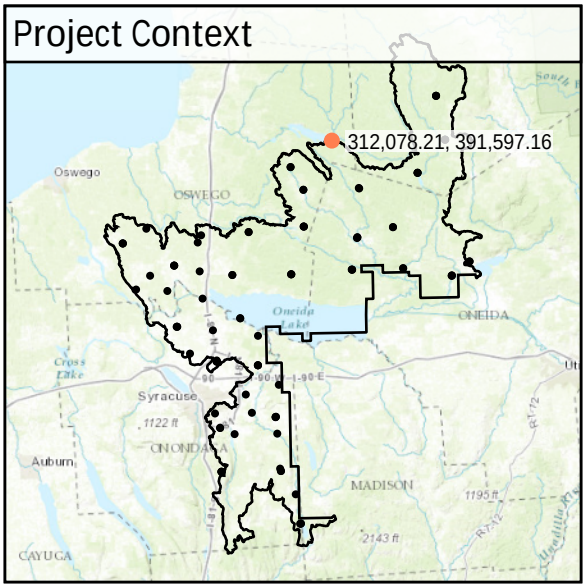
NVA - BE16

Raw TIN Dz +0.04 m

BE17

Known Z	286.87 m	Point Density	2.83 ppsm
DEM Dz	-0.03 m	Ground Density	2.83 ppsm
Raw TIN Dz	-0.03 m	Slope	4.23 °

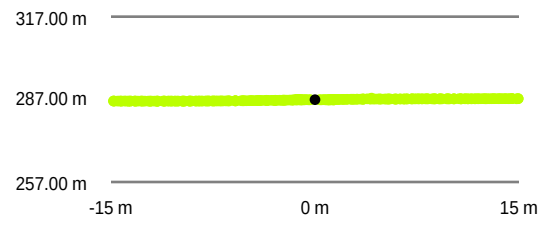
Project Context



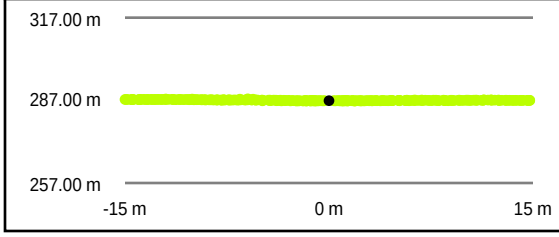
World Imagery



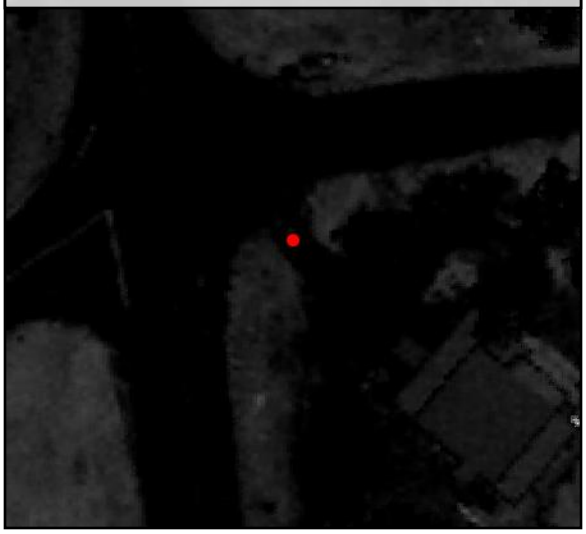
Southeast to Northwest



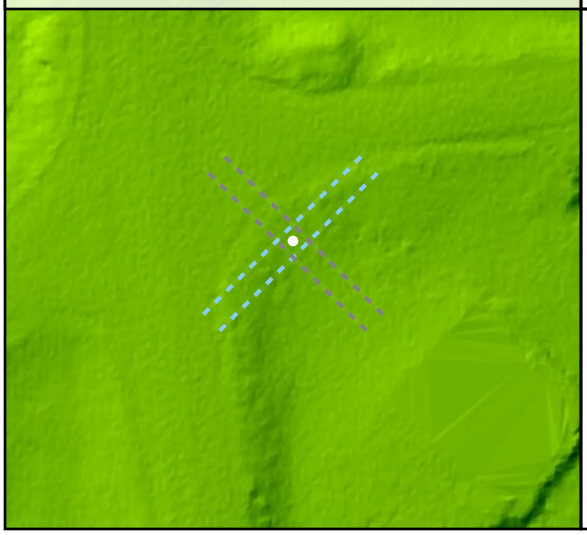
Southwest to Northeast



Intensity Raster



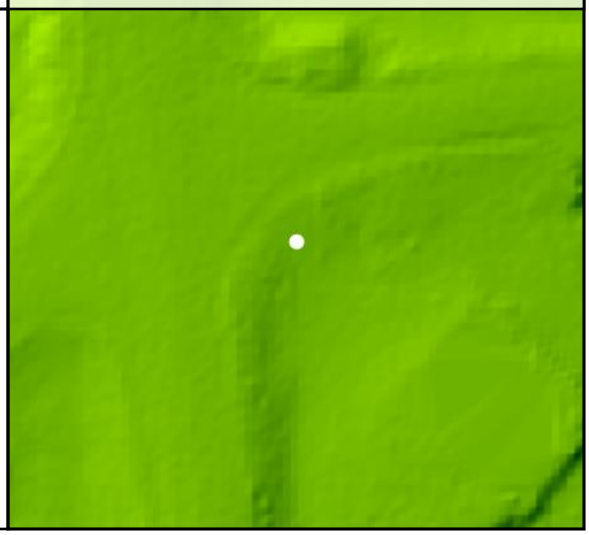
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.03 m

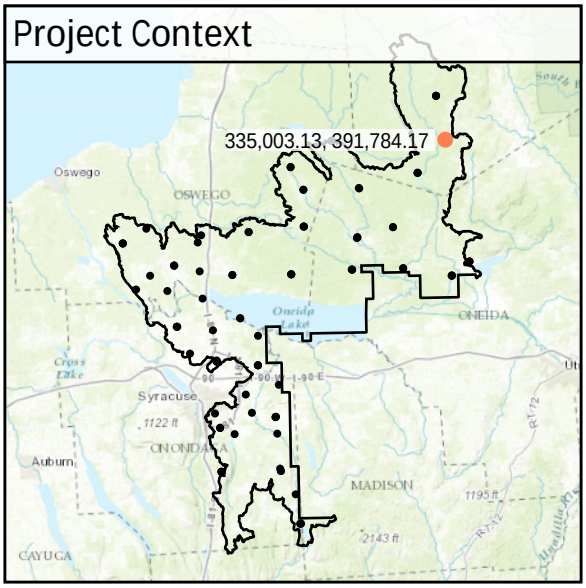
NVA - BE17

Raw TIN Dz -0.03 m

BE18

Known Z	496.56 m	Point Density	1.06 ppsm
DEM Dz	-0.05 m	Ground Density	1.06 ppsm
Raw TIN Dz	-0.05 m	Slope	1.24 °

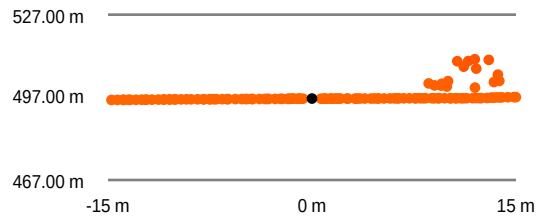
Project Context



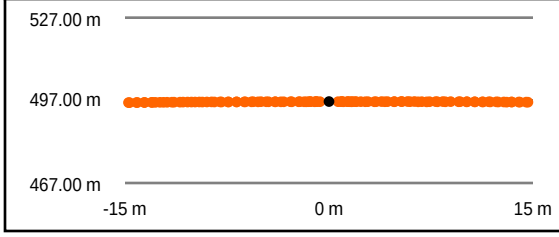
World Imagery



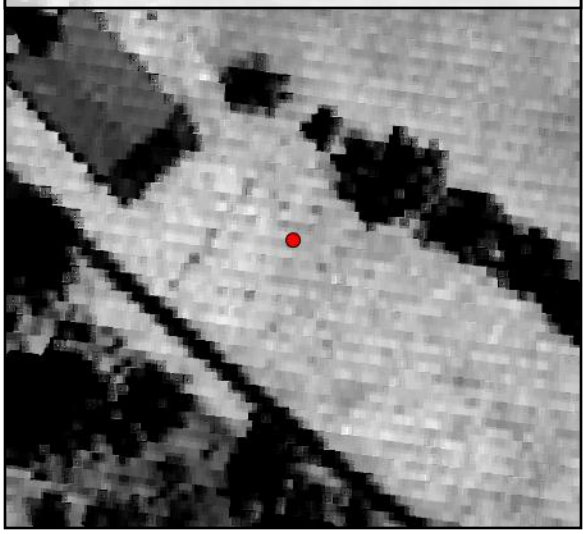
Southwest to Northeast



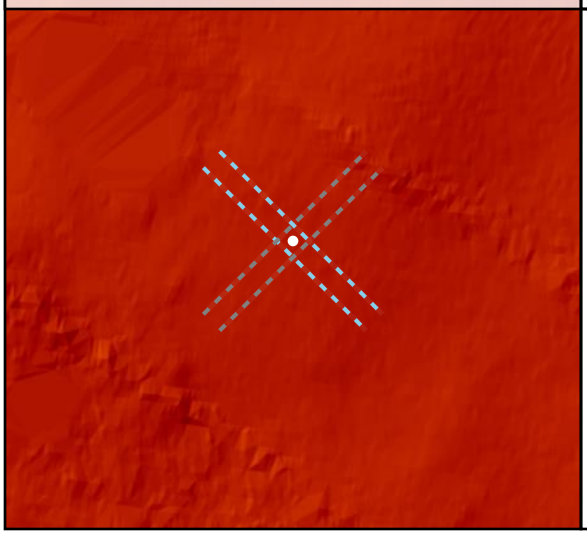
Southeast to Northwest



Intensity Raster



TIN Surface

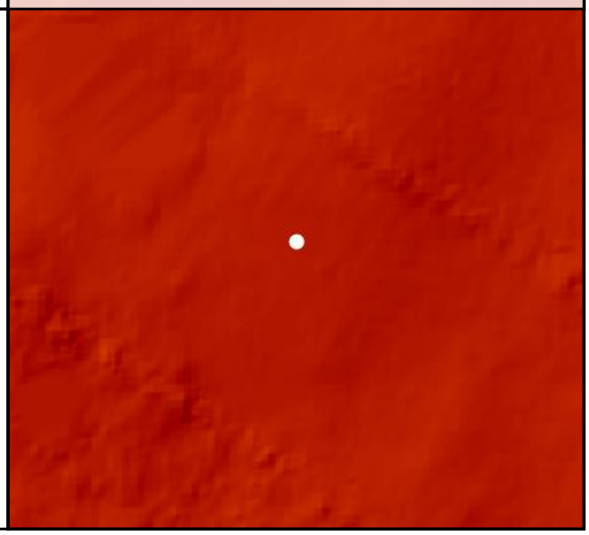


Project Elevation

591.16

110.29

DEM Surface



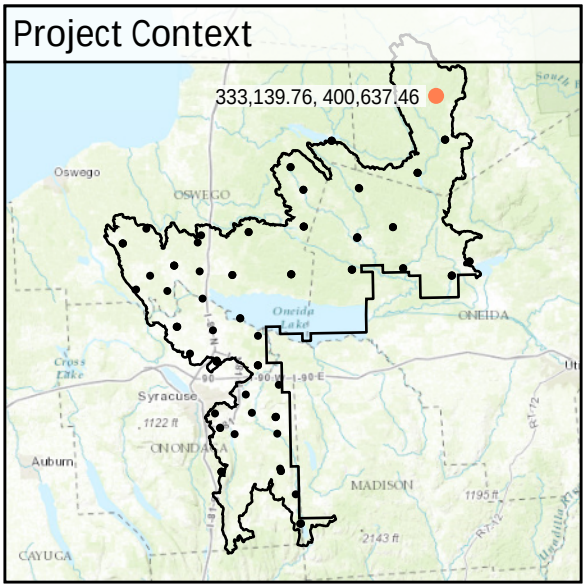
DEM Dz -0.05 m

NVA - BE18

Raw TIN Dz -0.05 m

BE19				
	Known Z	540.78 m	Point Density	2.05 ppsm
	DEM Dz	-0.02 m	Ground Density	2.05 ppsm
	Raw TIN Dz	-0.01 m	Slope	2.23 °

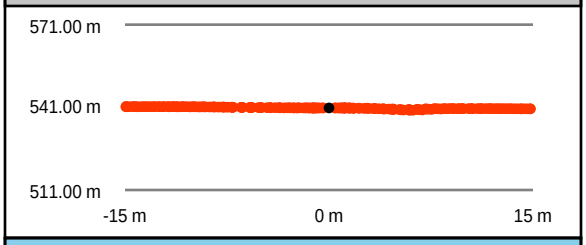
Project Context



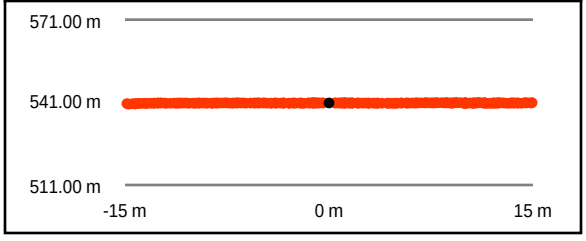
World Imagery



Southwest to Northeast



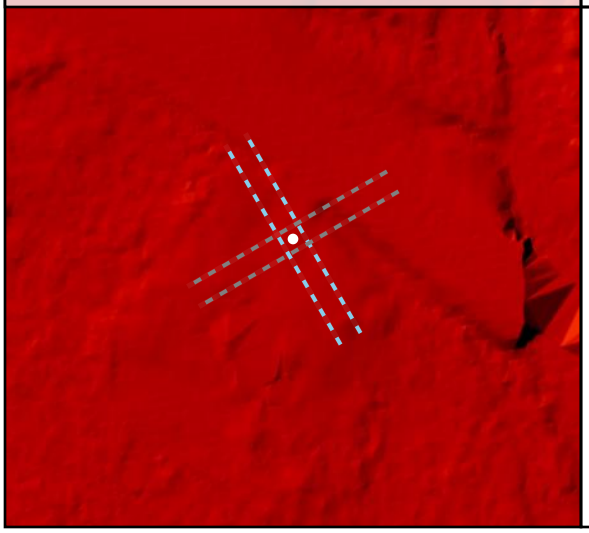
Southeast to Northwest



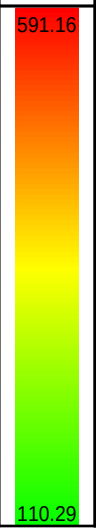
Intensity Raster



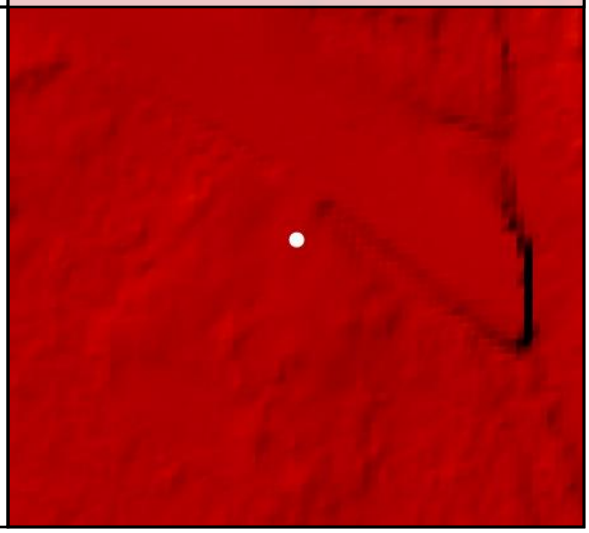
TIN Surface



Project Elevation



DEM Surface



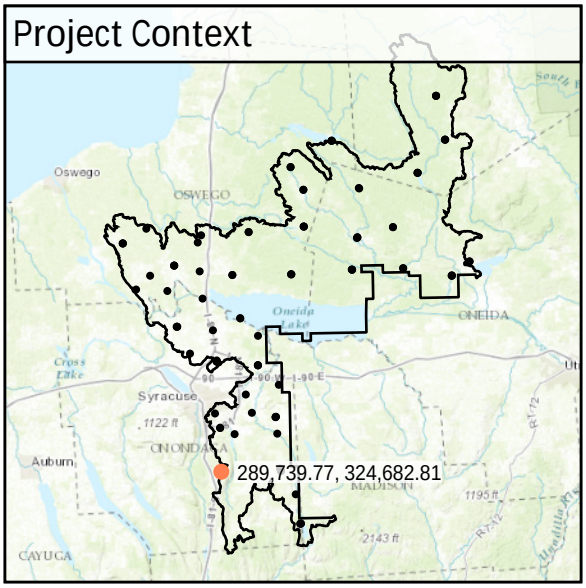
DEM Dz -0.02 m

NVA - BE19

Raw TIN Dz -0.01 m

UA01				
	Known Z	396.69 m	Point Density	1.84 ppsm
	DEM Dz	Outside of AOI	Ground Density	1.84 ppsm
	Raw TIN Dz	0.01 m	Slope	Outside of AOI

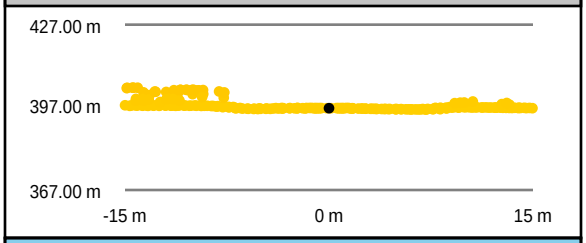
Project Context



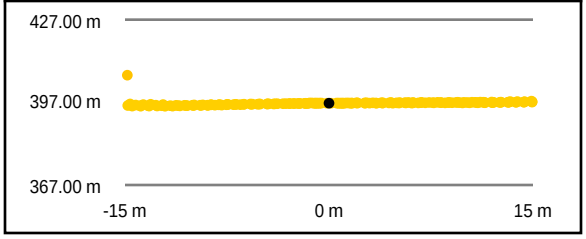
World Imagery



Southeast to Northwest



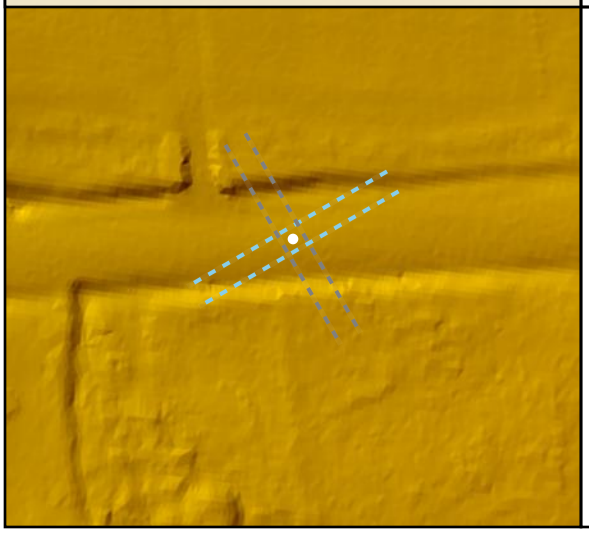
Southwest to Northeast



Intensity Raster



TIN Surface



Project Elevation

591.16

110.29

DEM Surface

Outside of AOI

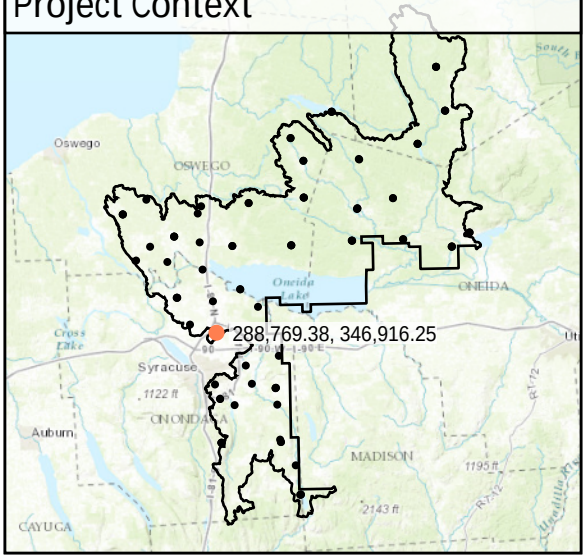
NVA - UA01

Raw TIN Dz +0.01 m

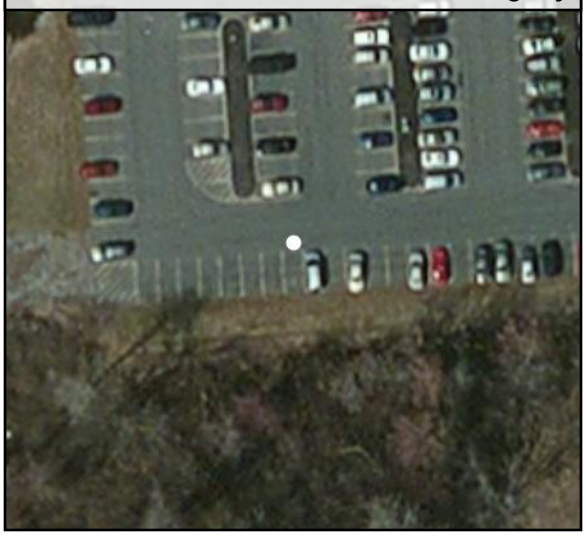
UA02

Known Z	125.18 m	Point Density	1.98 ppsm
DEM Dz	-0.02 m	Ground Density	1.98 ppsm
Raw TIN Dz	-0.03 m	Slope	1.15 °

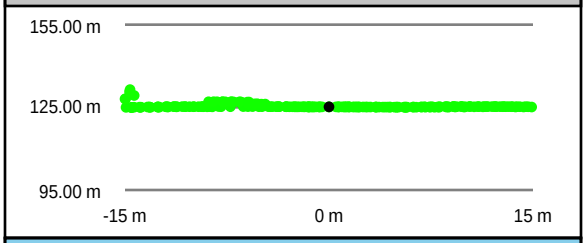
Project Context



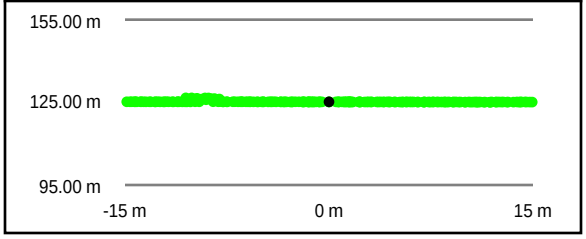
World Imagery



Southeast to Northwest



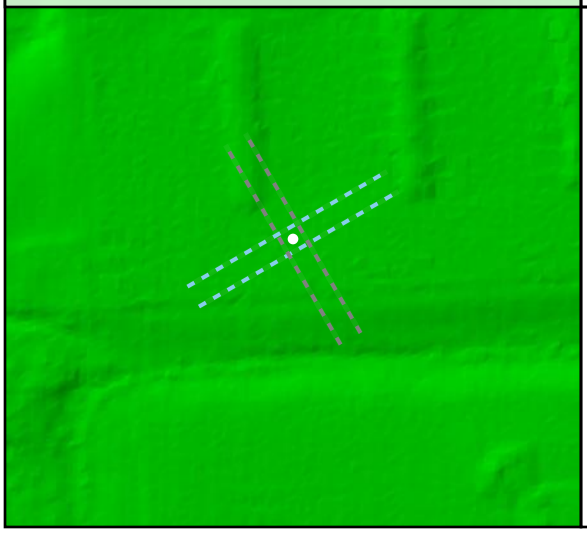
Southwest to Northeast



Intensity Raster



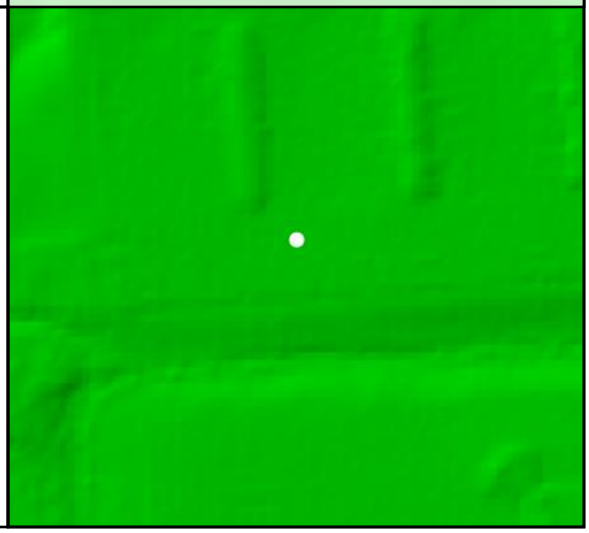
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.02 m

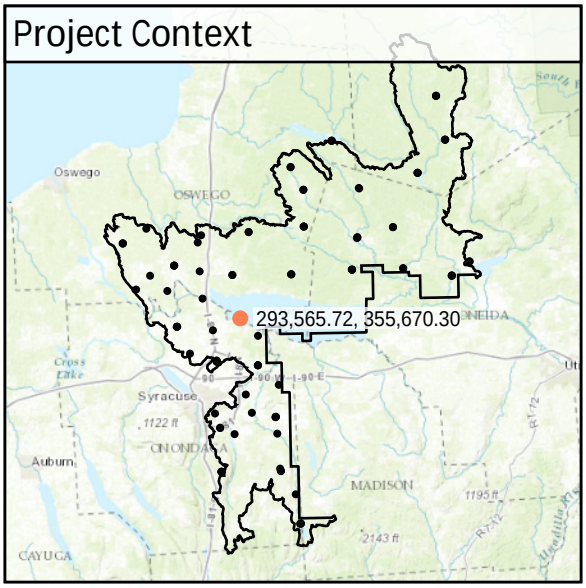
NVA - UA02

Raw TIN Dz -0.03 m

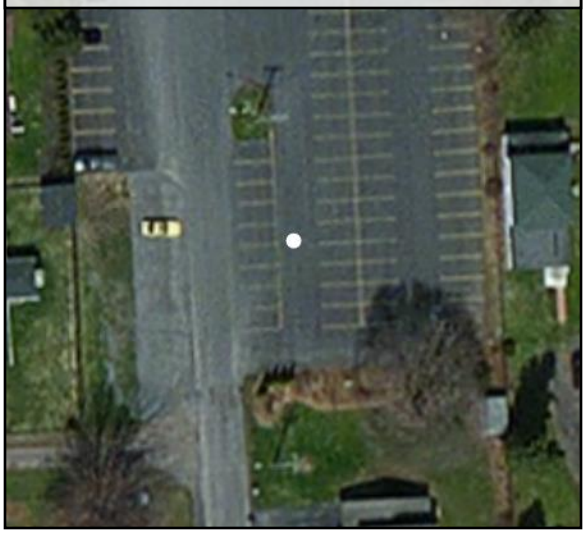
UA03

Known Z	121.49 m	Point Density	1.49 ppsm
DEM Dz	-0.16 m	Ground Density	1.49 ppsm
Raw TIN Dz	-0.16 m	Slope	1.14 °

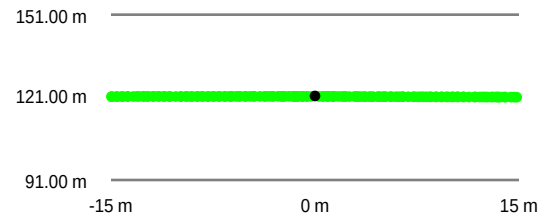
Project Context



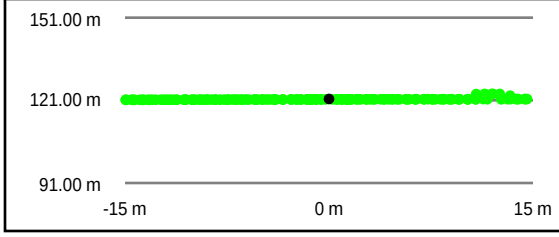
World Imagery



Southwest to Northeast



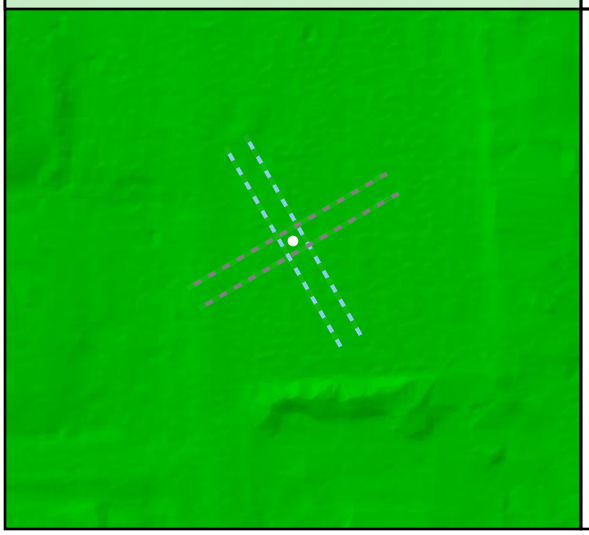
Southeast to Northwest



Intensity Raster



TIN Surface

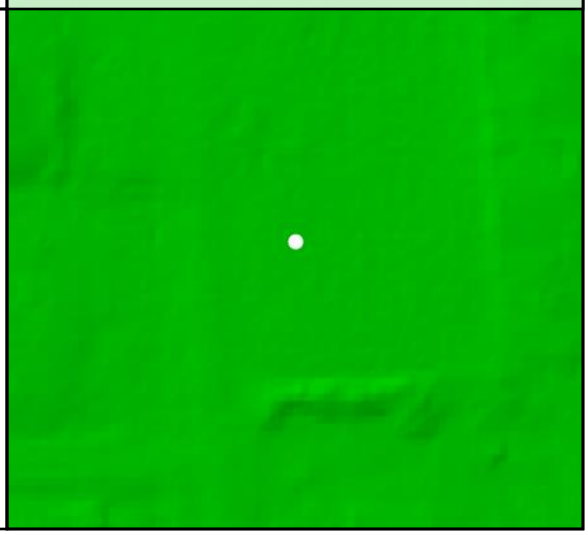


Project Elevation

591.16

110.29

DEM Surface



DEM Dz -0.16 m

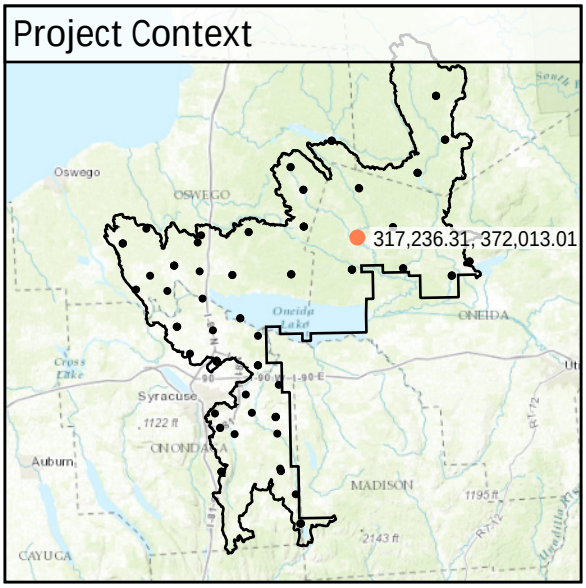
NVA - UA03

Raw TIN Dz -0.16 m

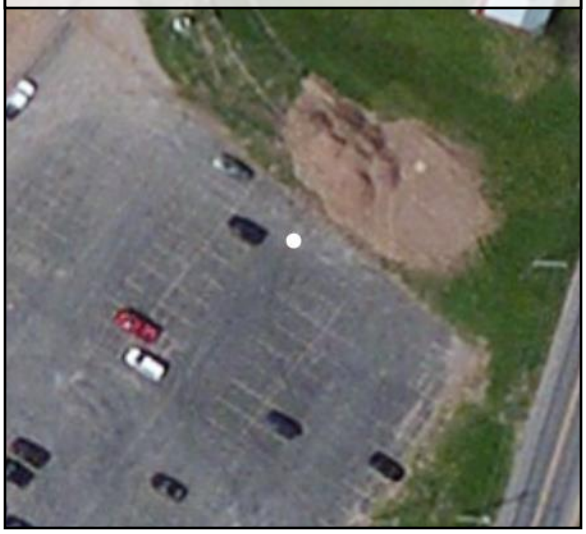
UA04

Known Z	161.37 m	Point Density	2.09 ppsm
DEM Dz	0.03 m	Ground Density	2.09 ppsm
Raw TIN Dz	0.03 m	Slope	0.95 °

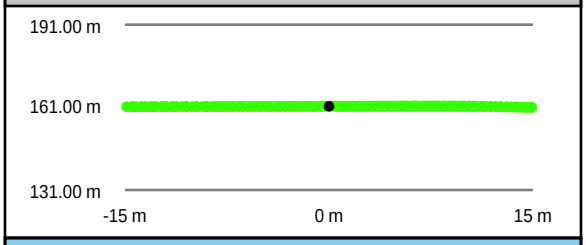
Project Context



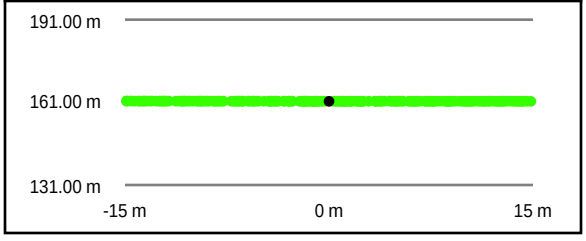
World Imagery



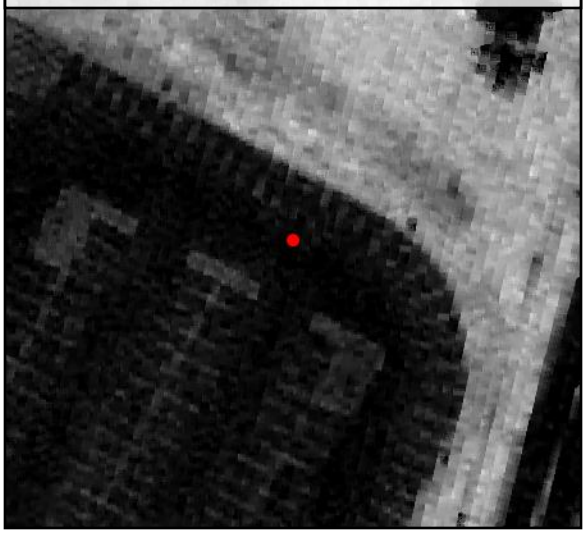
Southwest to Northeast



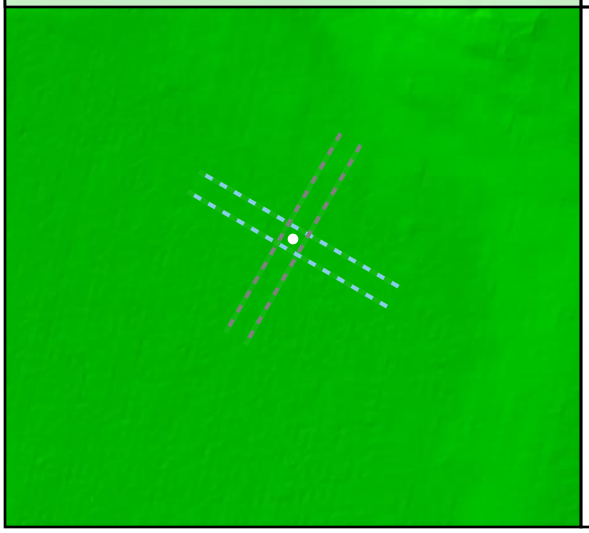
Southeast to Northwest



Intensity Raster



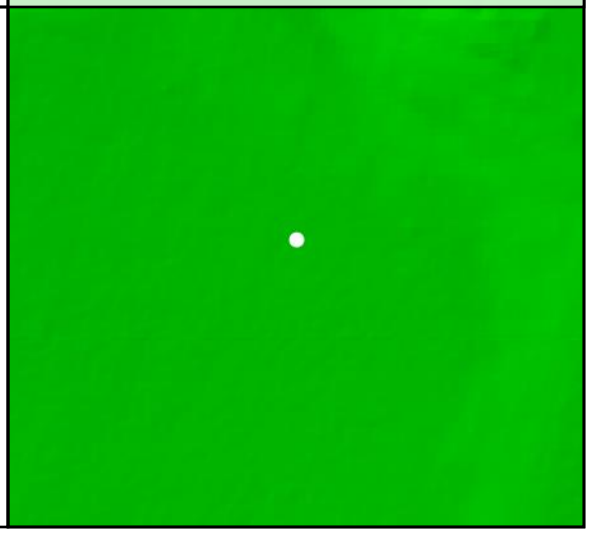
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.03 m

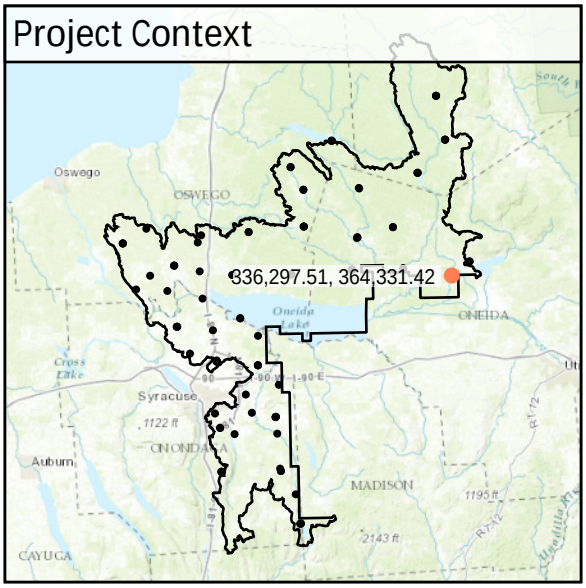
NVA - UA04

Raw TIN Dz +0.03 m

UA05

Known Z	146.92 m	Point Density	2.26 ppsm
DEM Dz	-0.01 m	Ground Density	2.23 ppsm
Raw TIN Dz	0.00 m	Slope	0.73 °

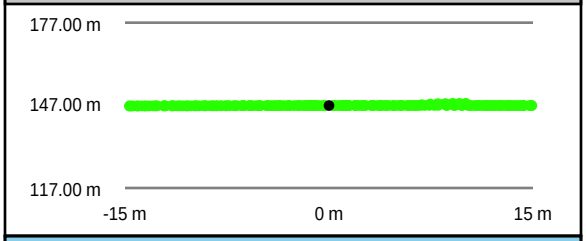
Project Context



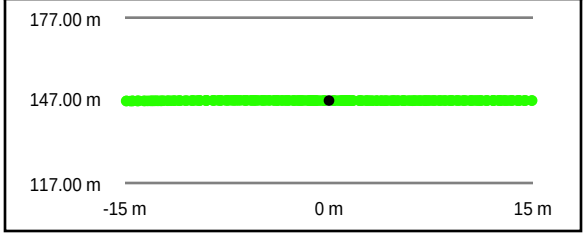
World Imagery



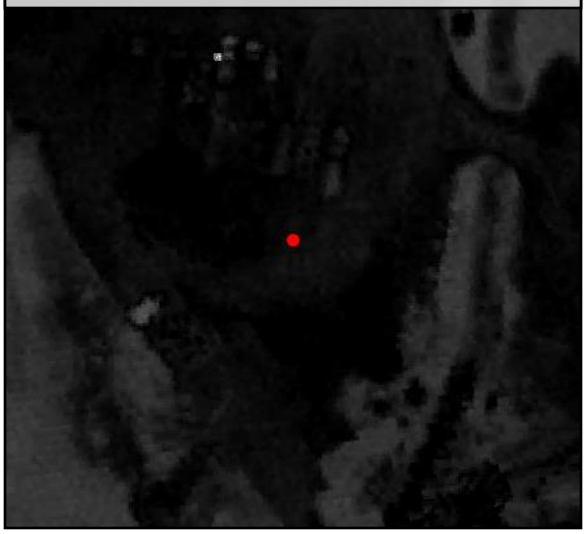
Southwest to Northeast



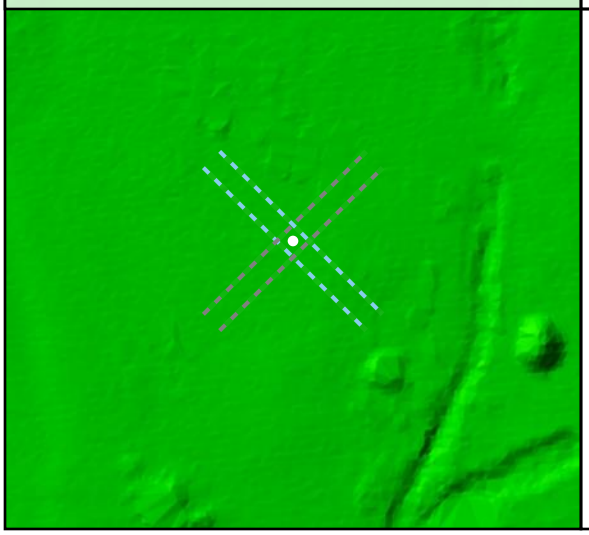
Southeast to Northwest



Intensity Raster



TIN Surface

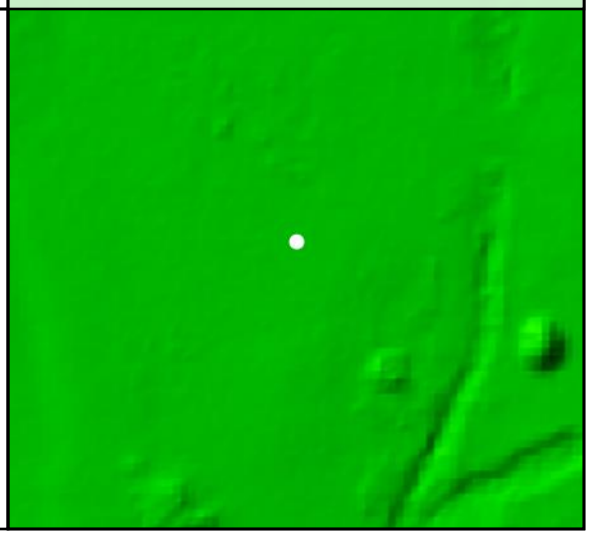


Project Elevation

591.16

110.29

DEM Surface



DEM Dz -0.01 m

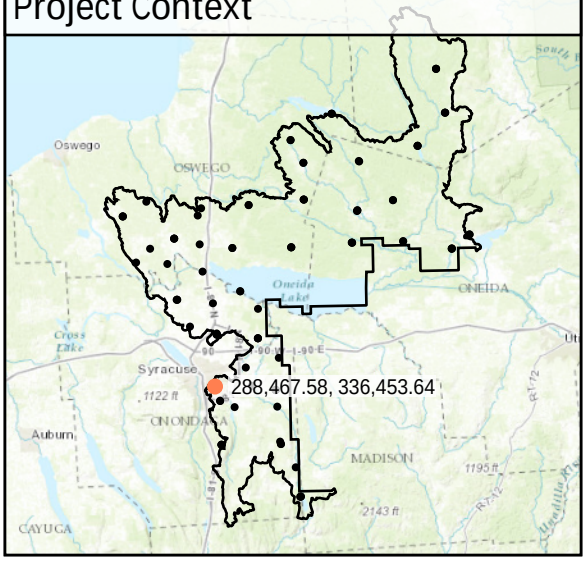
NVA - UA05

Raw TIN Dz 0.00 m

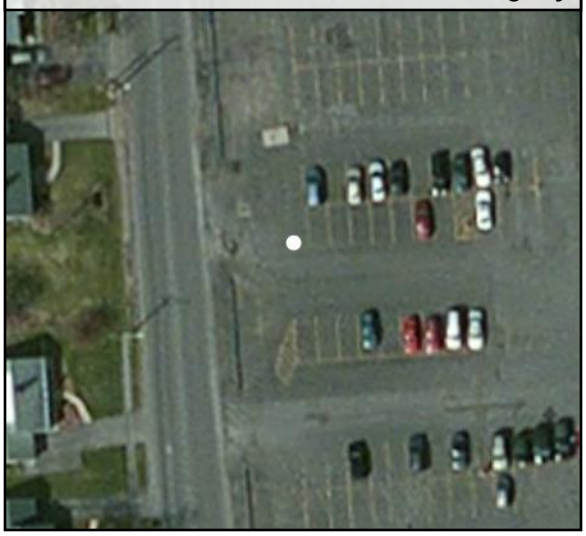
UA19

Known Z	174.66 m	Point Density	1.63 ppsm
DEM Dz	-0.01 m	Ground Density	1.63 ppsm
Raw TIN Dz	-0.01 m	Slope	2.33 °

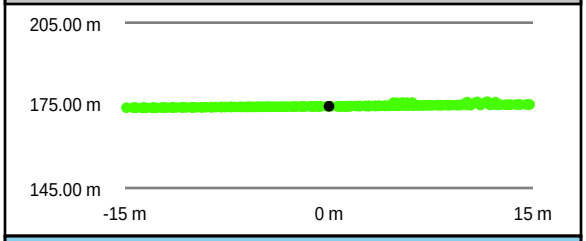
Project Context



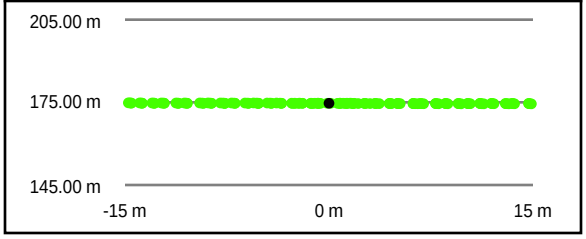
World Imagery



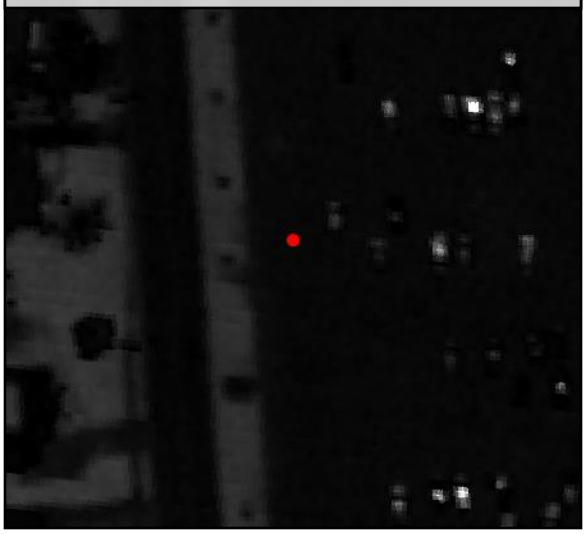
West to East



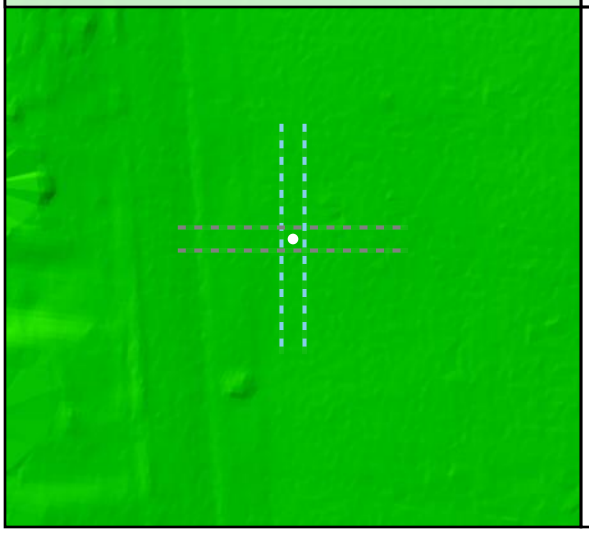
South to North



Intensity Raster



TIN Surface

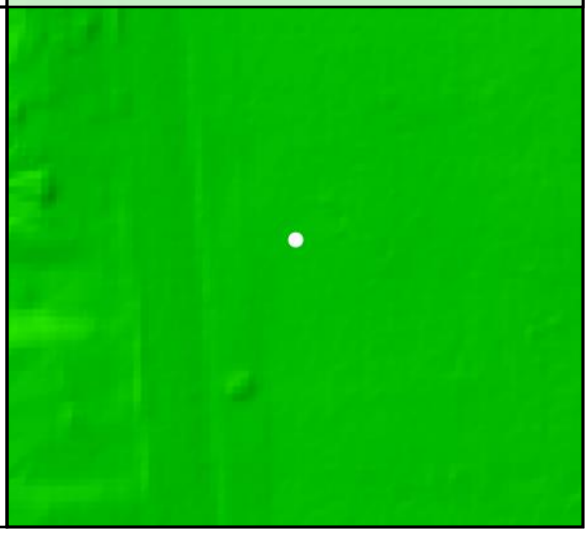


Project Elevation

591.16

110.29

DEM Surface



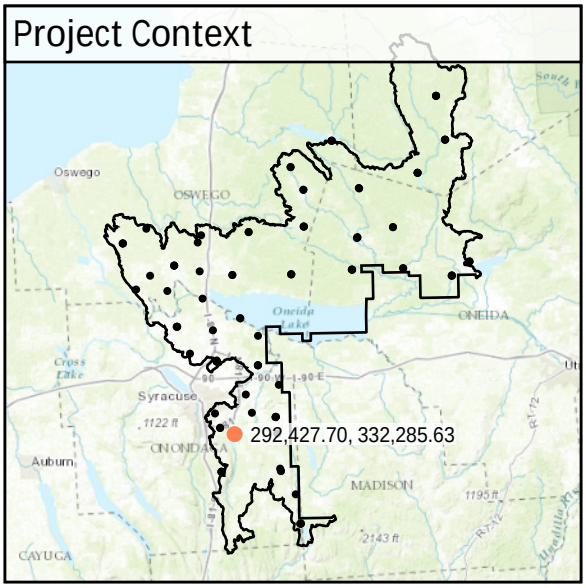
DEM Dz -0.01 m

NVA - UA19

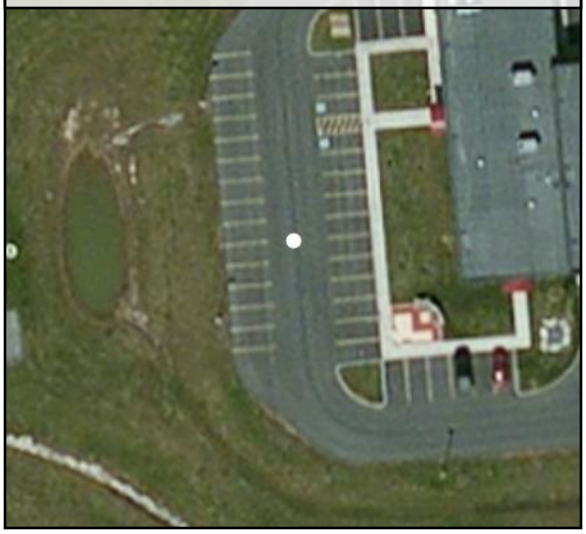
Raw TIN Dz -0.01 m

UA25				
	Known Z	232.40 m	Point Density	2.05 ppsm
	DEM Dz	0.02 m	Ground Density	2.05 ppsm
	Raw TIN Dz	0.04 m	Slope	1.97 °

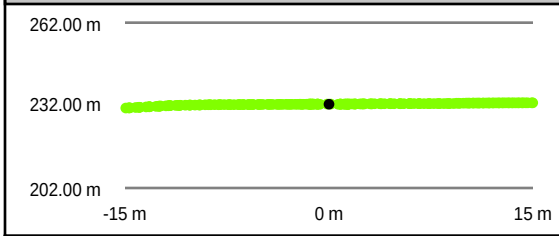
Project Context



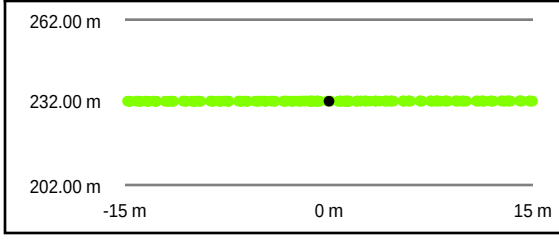
World Imagery



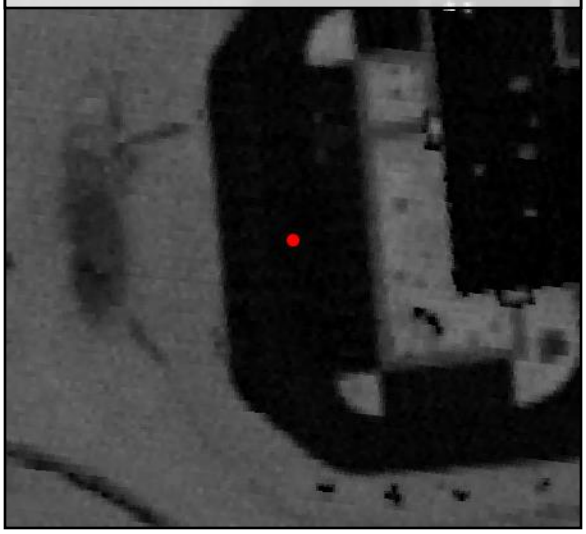
West to East



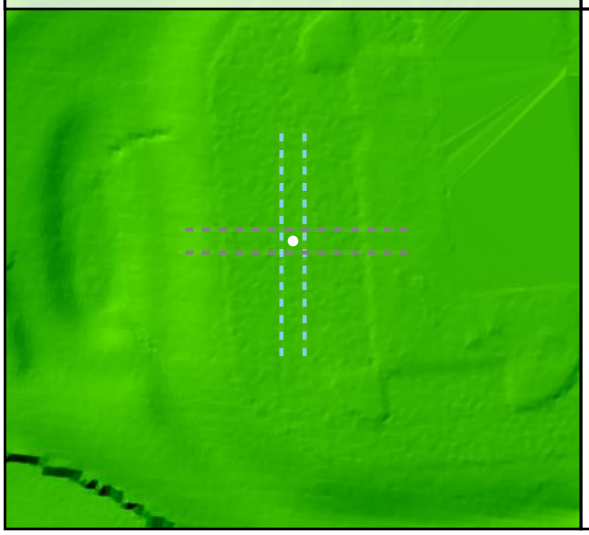
South to North



Intensity Raster



TIN Surface

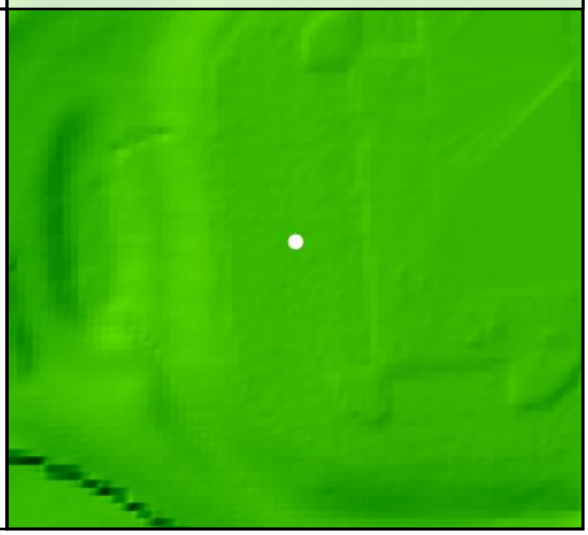


Project Elevation

591.16

110.29

DEM Surface



DEM Dz +0.02 m

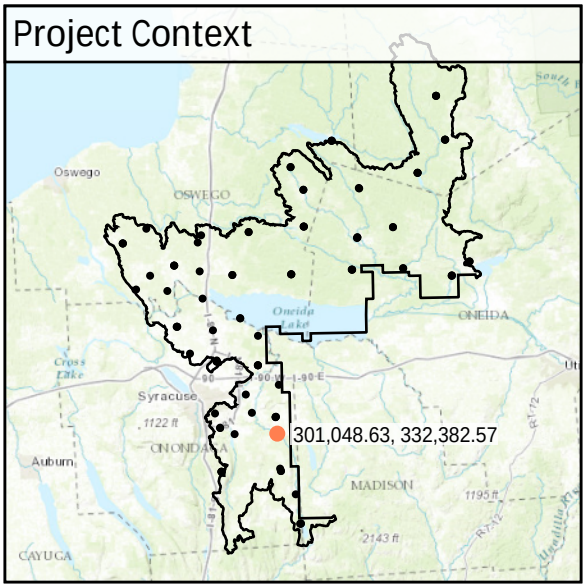
NVA - UA25

Raw TIN Dz +0.04 m

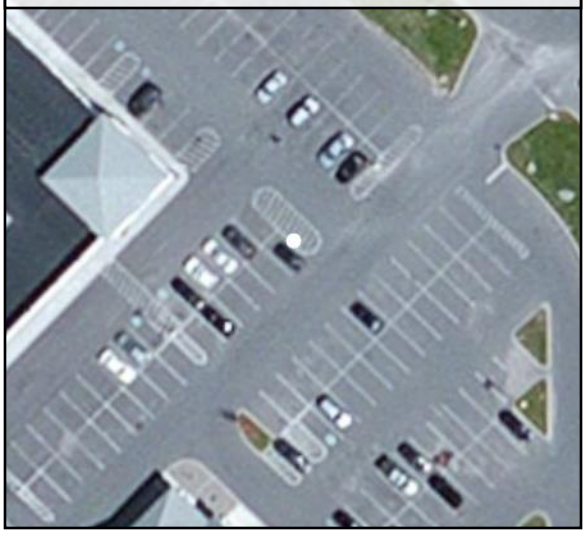
UA26

Known Z	235.75 m	Point Density	1.77 ppsm
DEM Dz	0.03 m	Ground Density	1.77 ppsm
Raw TIN Dz	0.03 m	Slope	0.55 °

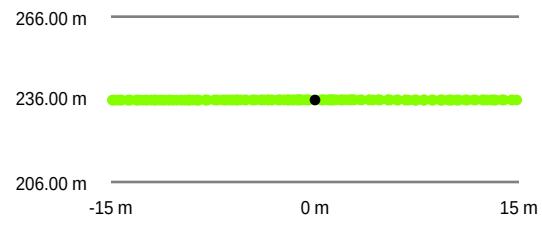
Project Context



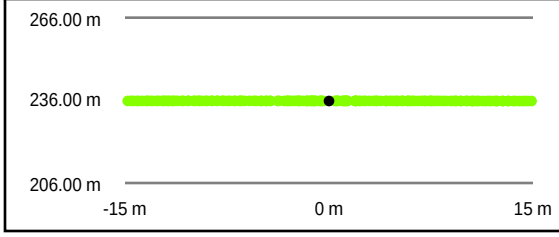
World Imagery



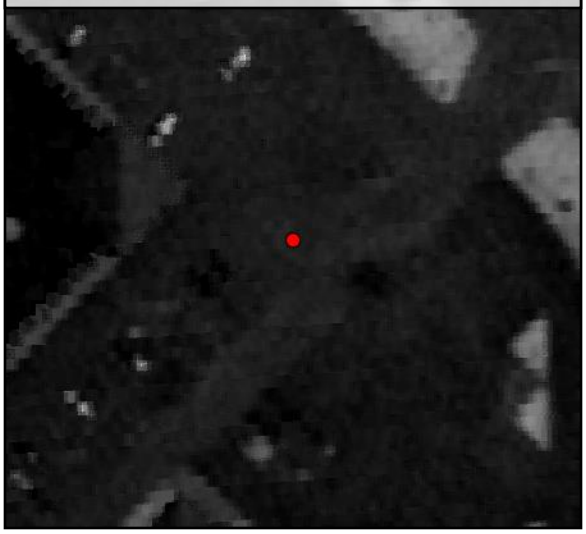
Southeast to Northwest



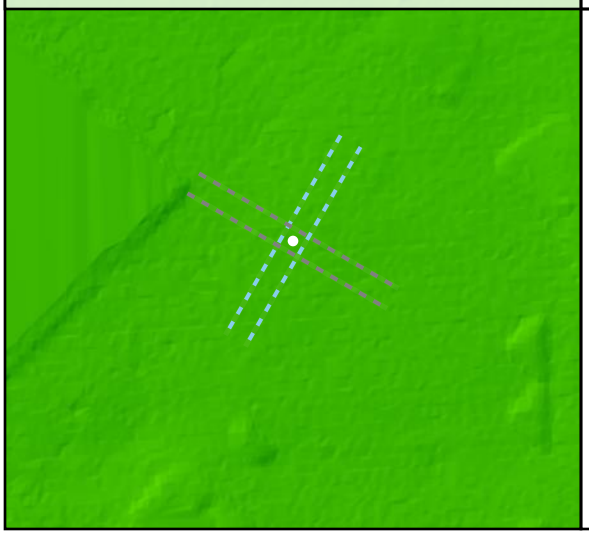
Southwest to Northeast



Intensity Raster



TIN Surface

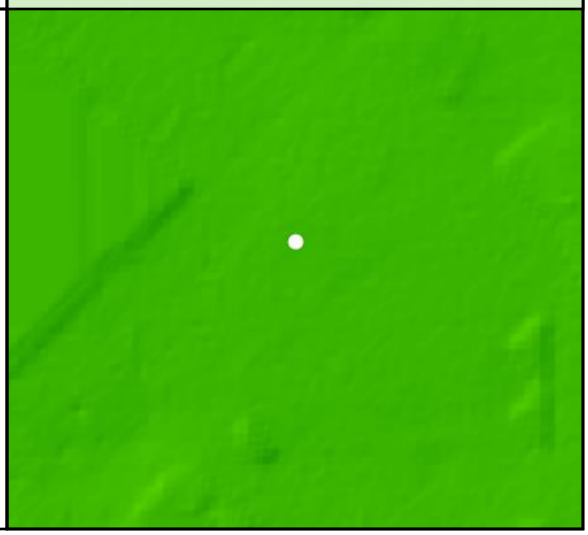


Project Elevation

591.16

110.29

DEM Surface



DEM Dz +0.03 m

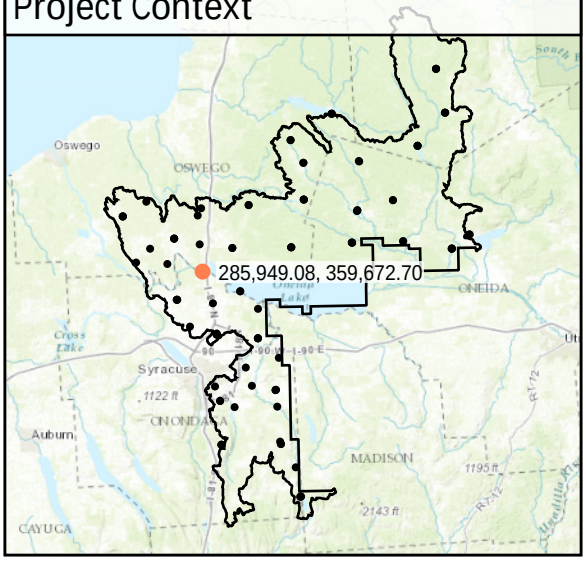
NVA - UA26

Raw TIN Dz +0.03 m

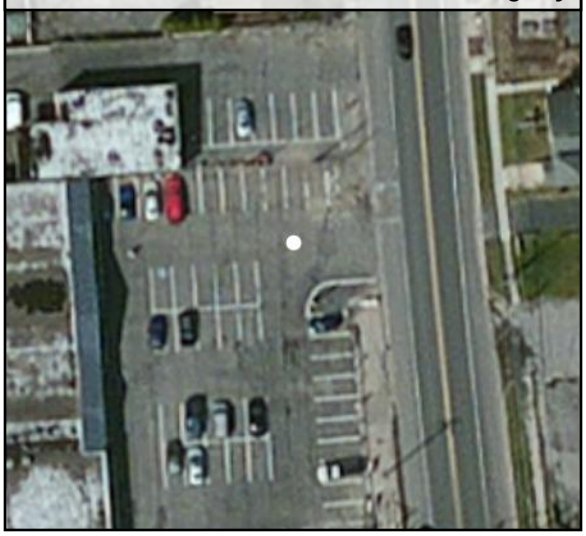
UA27

Known Z	119.35 m	Point Density	1.70 ppsm
DEM Dz	-0.06 m	Ground Density	1.70 ppsm
Raw TIN Dz	-0.06 m	Slope	1.33 °

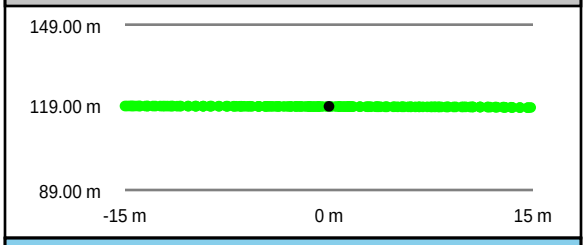
Project Context



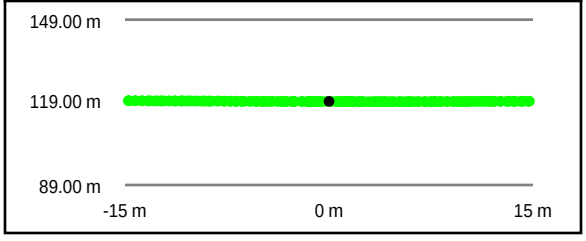
World Imagery



Southwest to Northeast



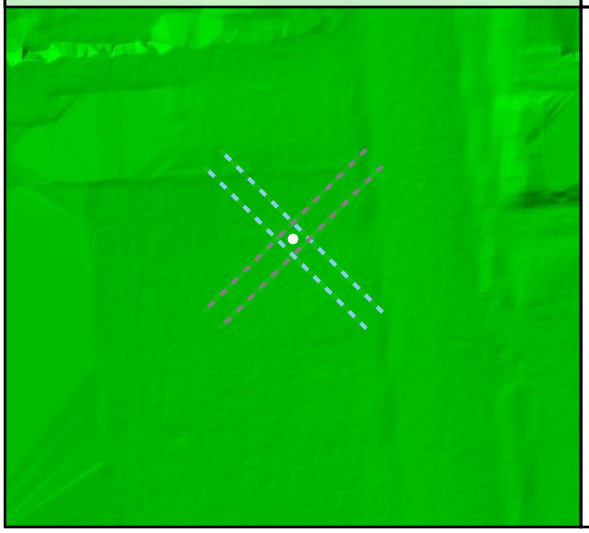
Southeast to Northwest



Intensity Raster



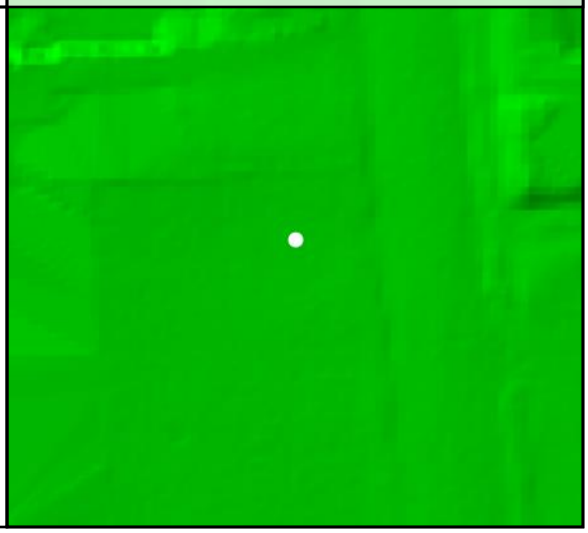
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.06 m

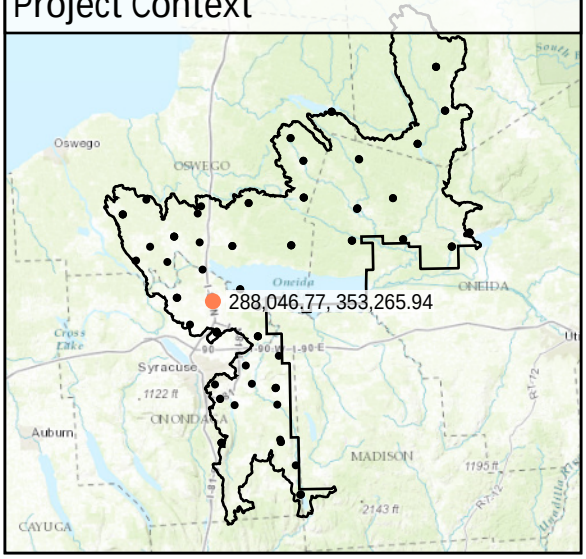
NVA - UA27

Raw TIN Dz -0.06 m

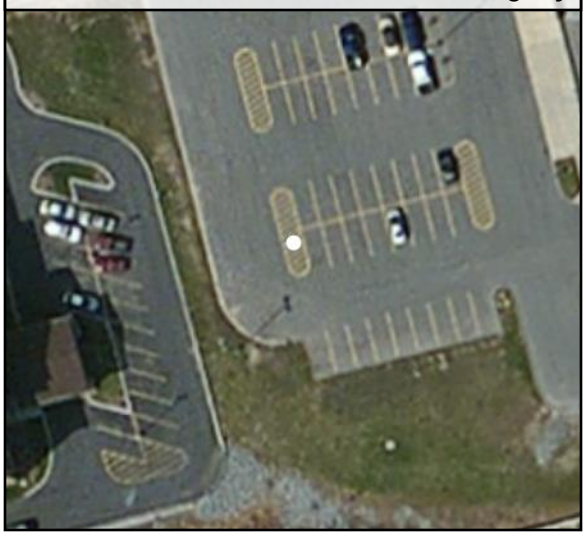
UA28

Known Z	131.24 m	Point Density	1.73 ppsm
DEM Dz	-0.09 m	Ground Density	1.73 ppsm
Raw TIN Dz	-0.09 m	Slope	0.72 °

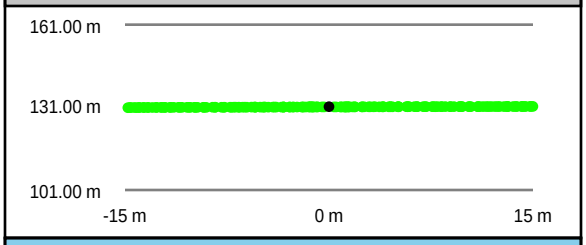
Project Context



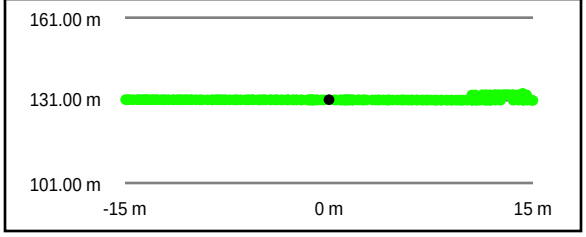
World Imagery



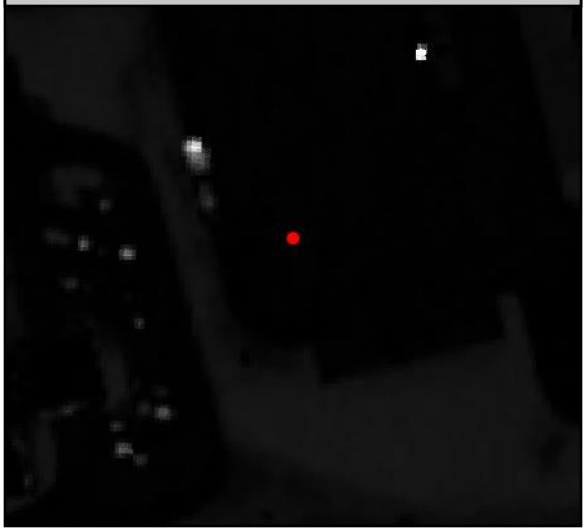
Southwest to Northeast



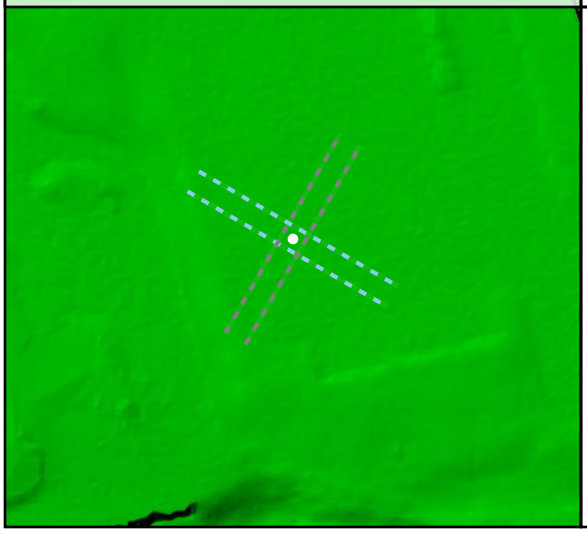
Southeast to Northwest



Intensity Raster



TIN Surface

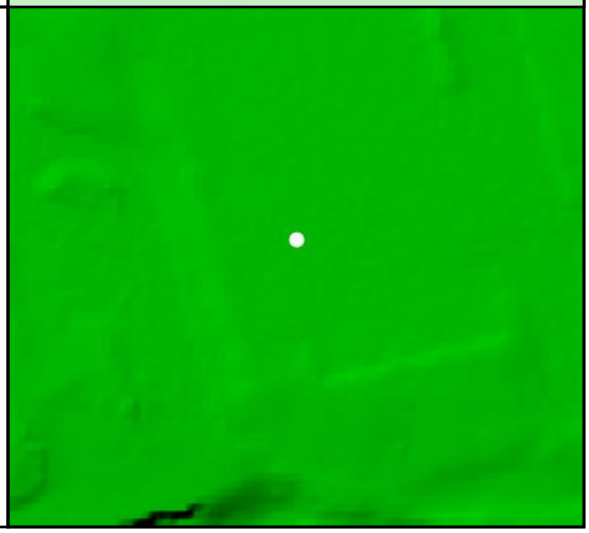


Project Elevation

591.16

110.29

DEM Surface



DEM Dz -0.09 m

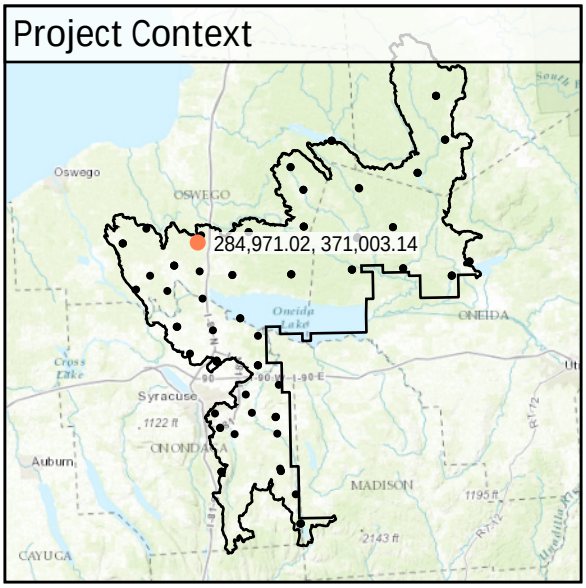
NVA - UA28

Raw TIN Dz -0.09 m

UA29

Known Z	147.15 m	Point Density	2.05 ppsm
DEM Dz	-0.08 m	Ground Density	2.05 ppsm
Raw TIN Dz	-0.08 m	Slope	1.54 °

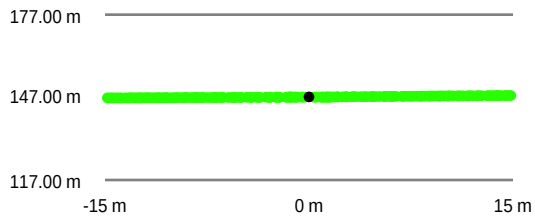
Project Context



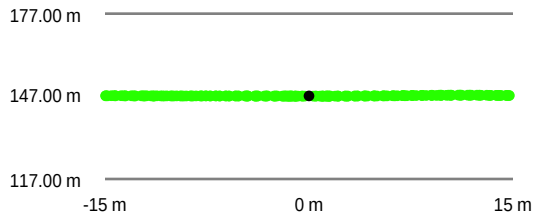
World Imagery



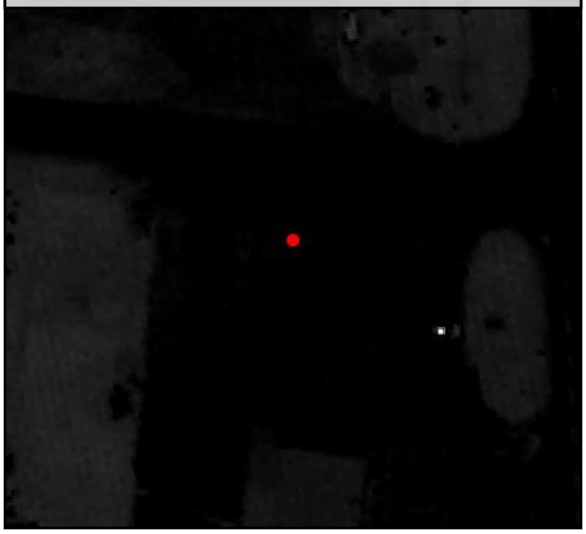
West to East



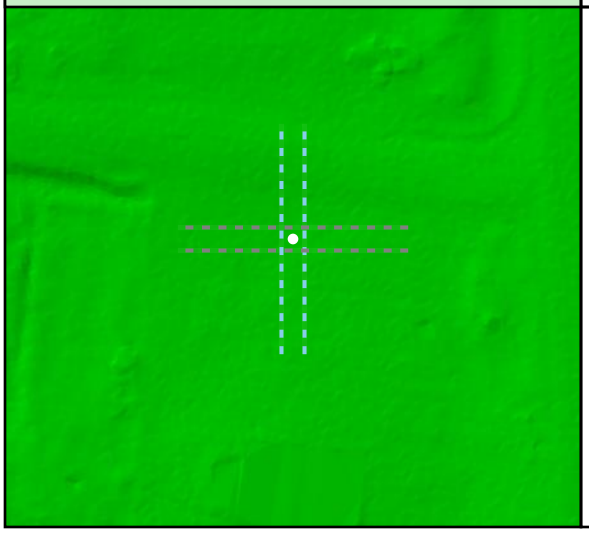
South to North



Intensity Raster



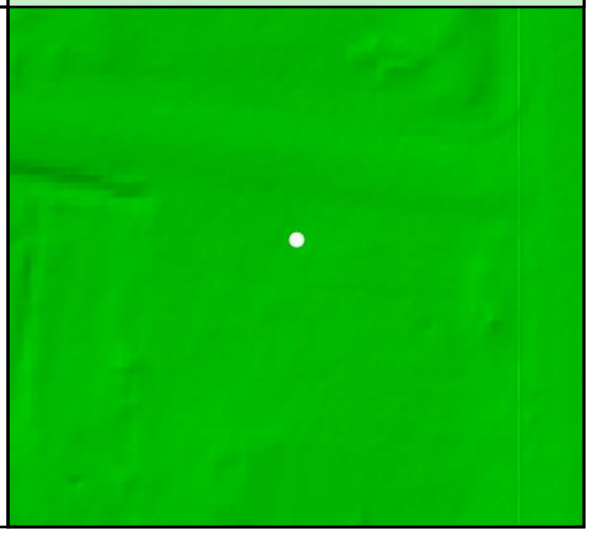
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.08 m

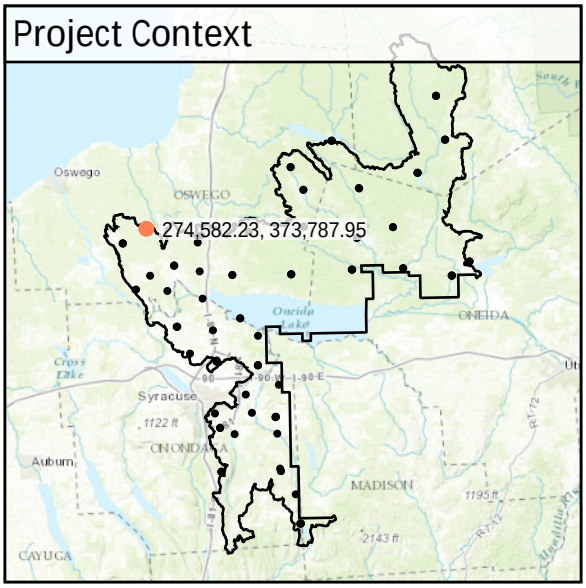
NVA - UA29

Raw TIN Dz -0.08 m

UA30

Known Z	142.76 m	Point Density	2.09 ppsm
DEM Dz	-0.09 m	Ground Density	2.09 ppsm
Raw TIN Dz	-0.09 m	Slope	1.25 °

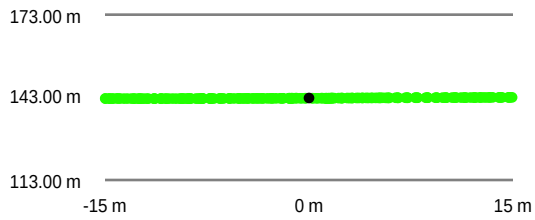
Project Context



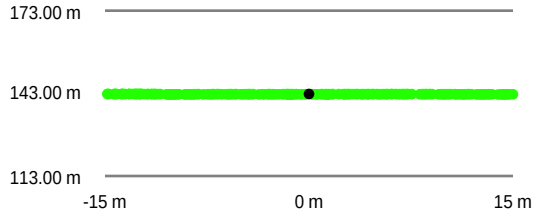
World Imagery



Southeast to Northwest



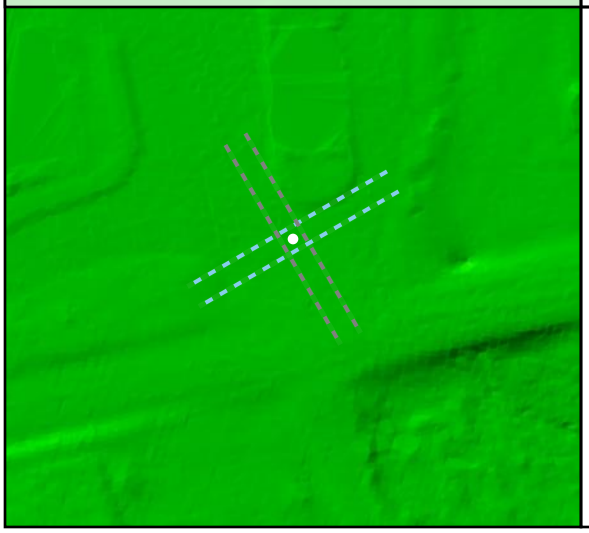
Southwest to Northeast



Intensity Raster



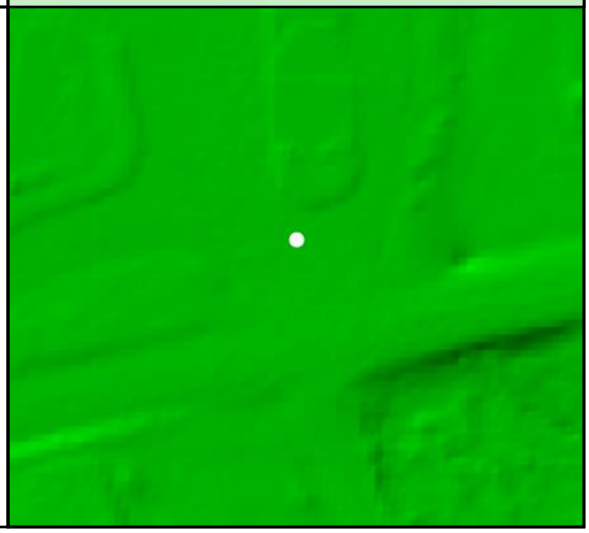
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.09 m

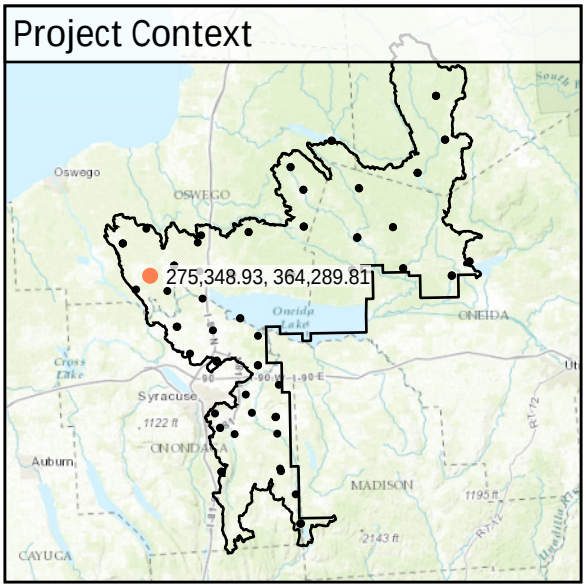
NVA - UA30

Raw TIN Dz -0.09 m

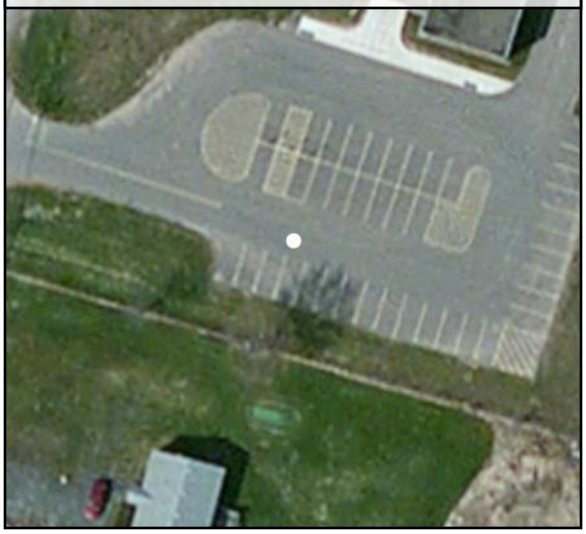
UA31

Known Z	127.60 m	Point Density	1.84 ppsm
DEM Dz	-0.01 m	Ground Density	1.84 ppsm
Raw TIN Dz	-0.02 m	Slope	0.65 °

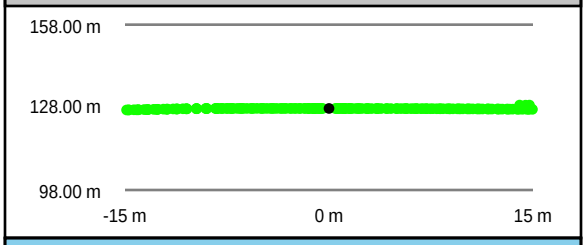
Project Context



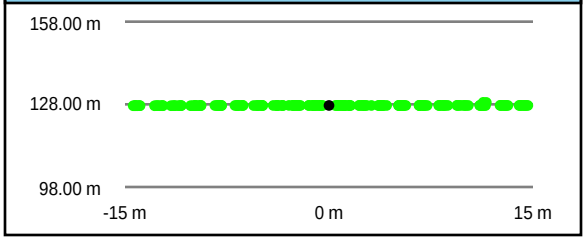
World Imagery



South to North



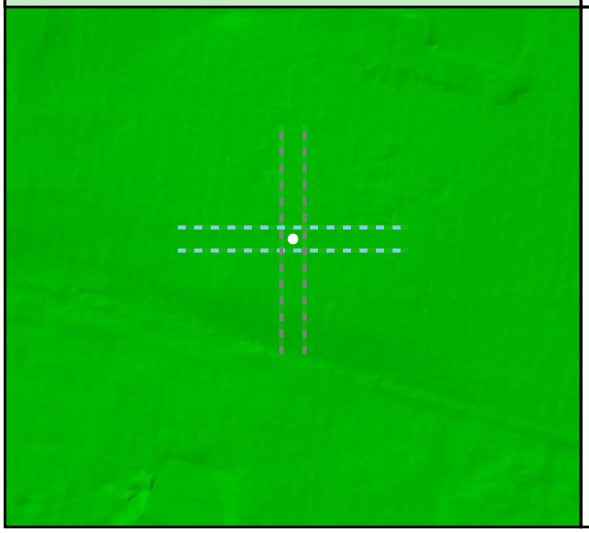
West to East



Intensity Raster



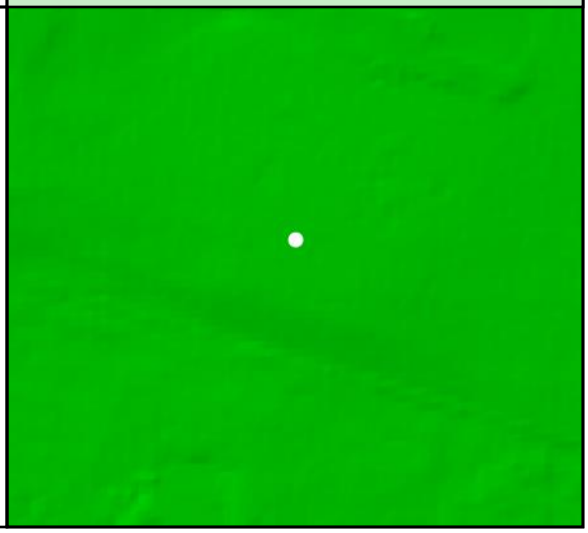
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.01 m

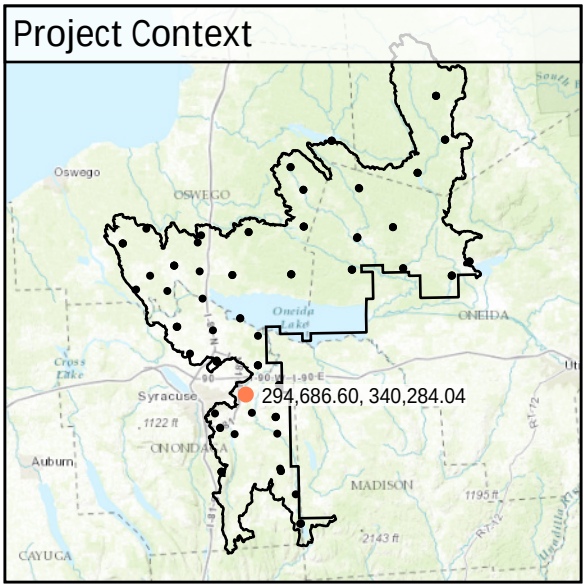
NVA - UA31

Raw TIN Dz -0.02 m

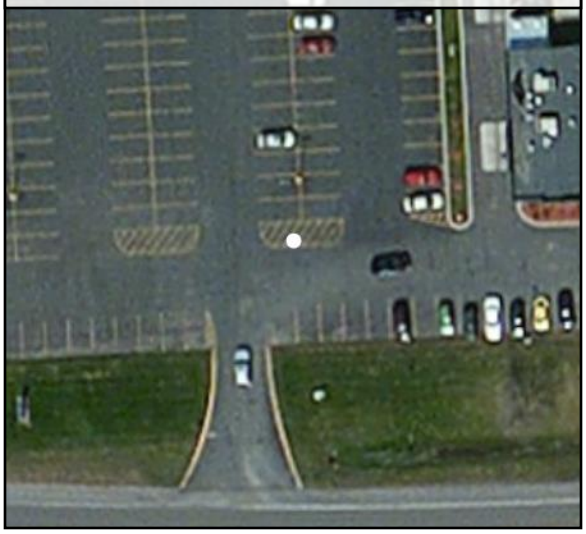
UA32

Known Z	130.74 m	Point Density	1.59 ppsm
DEM Dz	-0.04 m	Ground Density	1.59 ppsm
Raw TIN Dz	-0.05 m	Slope	0.99 °

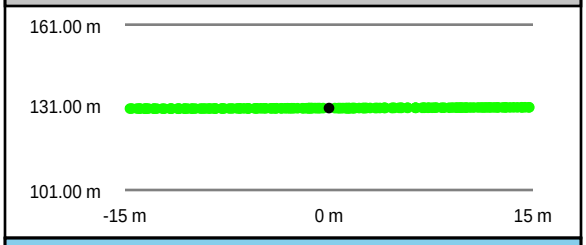
Project Context



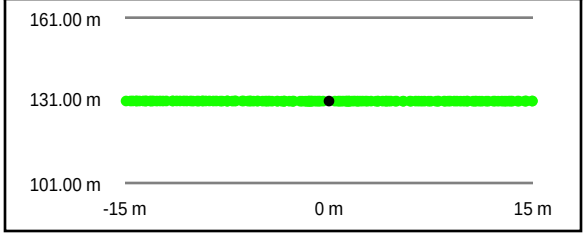
World Imagery



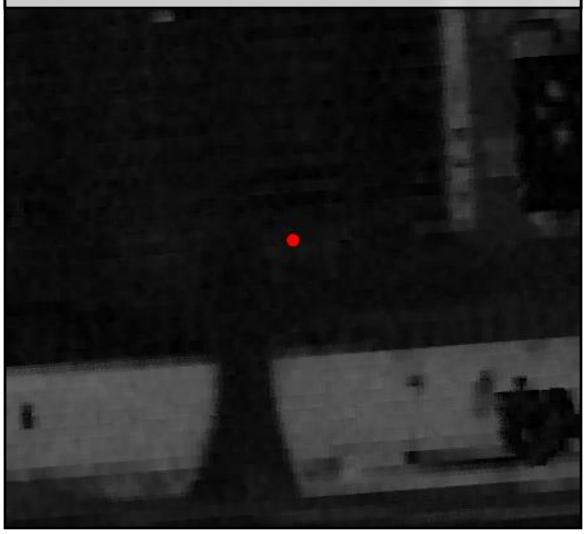
Southwest to Northeast



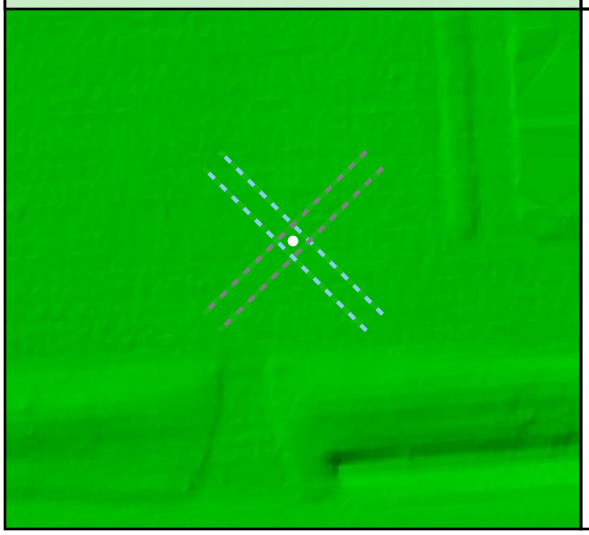
Southeast to Northwest



Intensity Raster



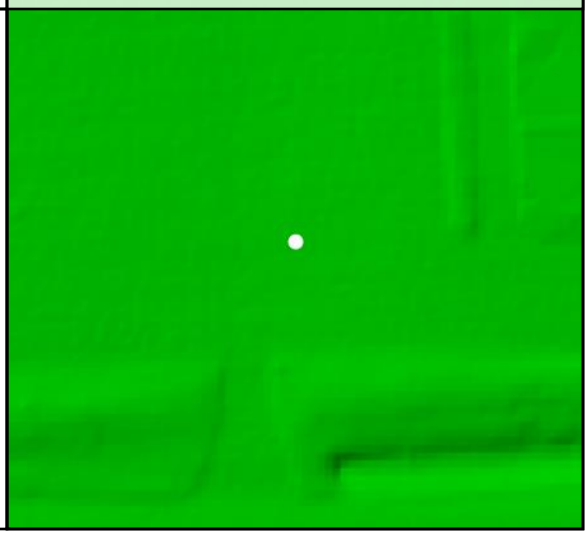
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.04 m

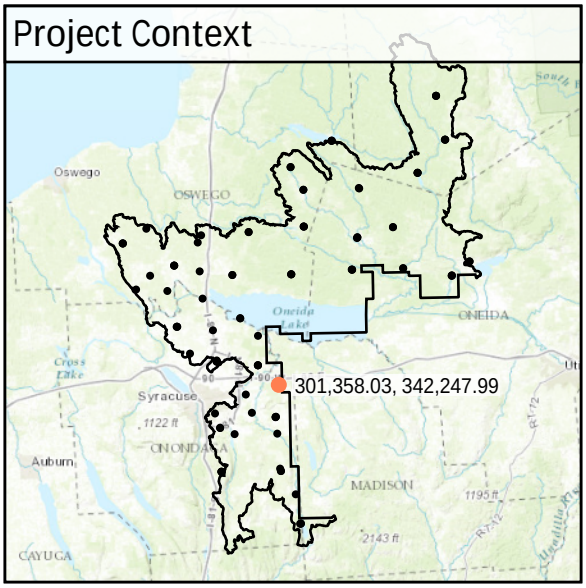
NVA - UA32

Raw TIN Dz -0.05 m

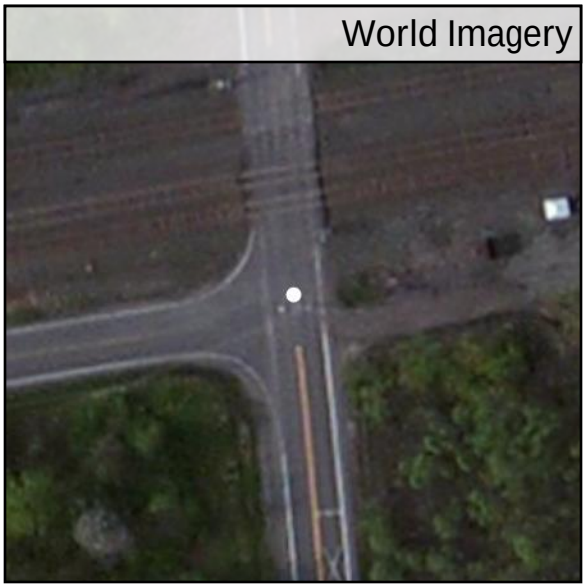
UA33

Known Z	128.31 m	Point Density	1.63 ppsm
DEM Dz	-0.01 m	Ground Density	1.63 ppsm
Raw TIN Dz	-0.01 m	Slope	1.65 °

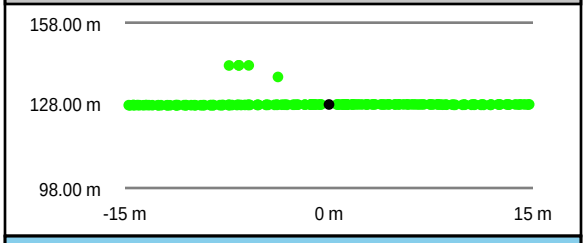
Project Context



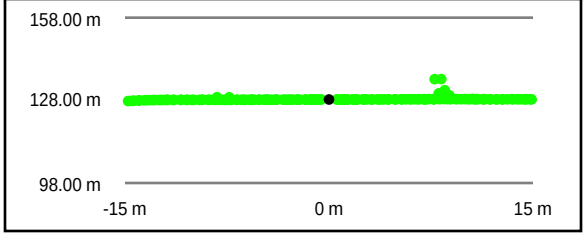
World Imagery



Southeast to Northwest



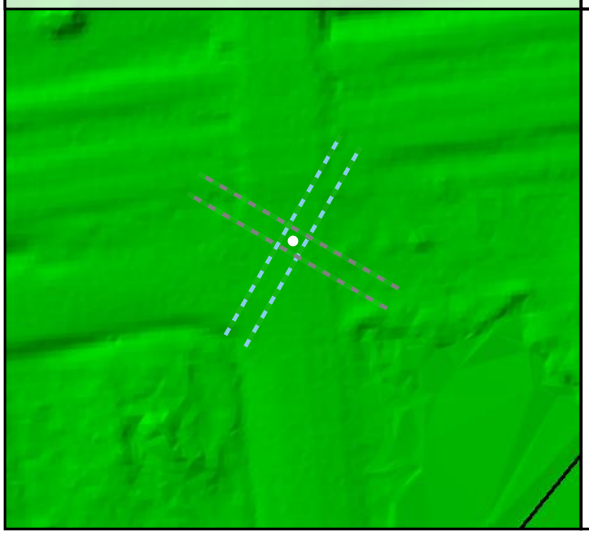
Southwest to Northeast



Intensity Raster



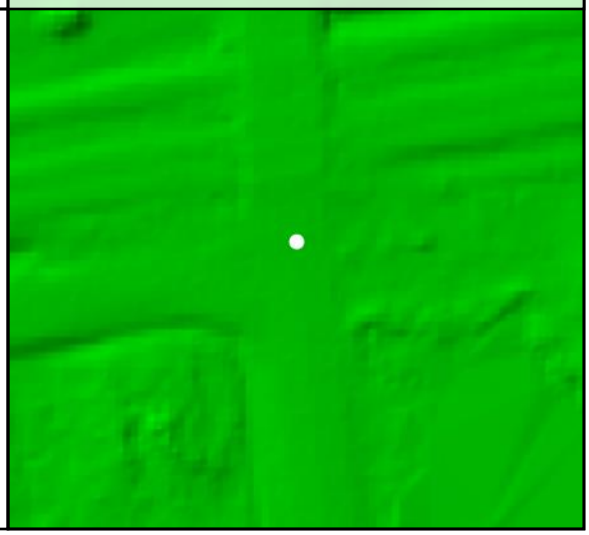
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.01 m

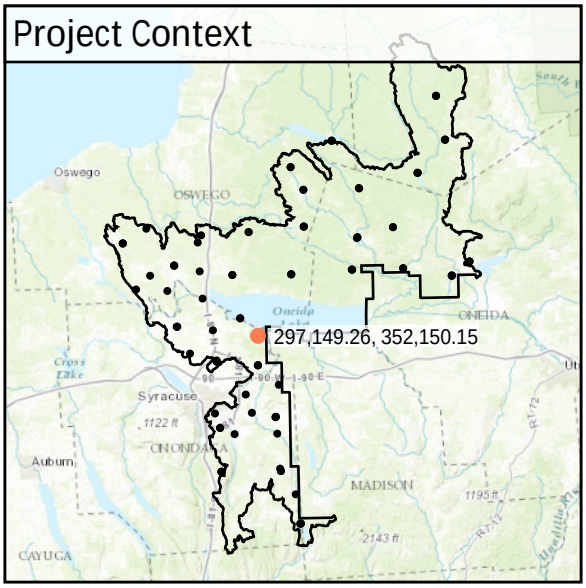
NVA - UA33

Raw TIN Dz -0.01 m

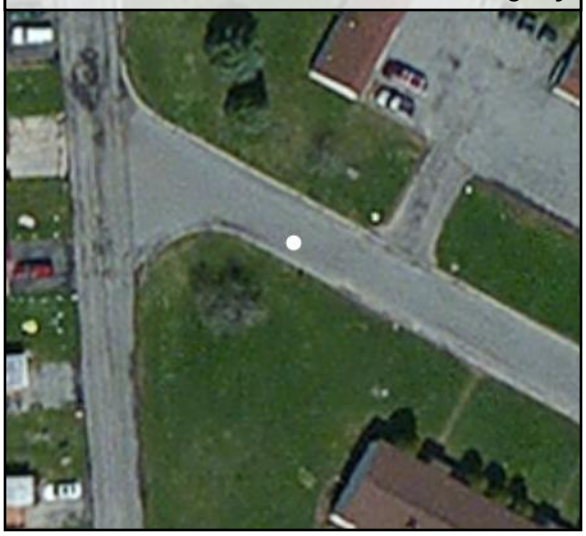
UA34

Known Z	120.15 m	Point Density	1.70 ppsm
DEM Dz	-0.06 m	Ground Density	1.70 ppsm
Raw TIN Dz	-0.07 m	Slope	1.43 °

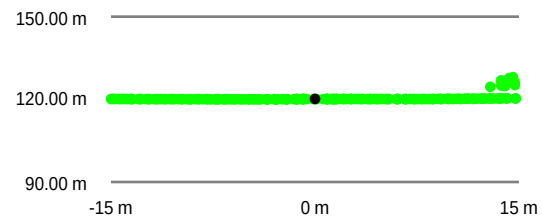
Project Context



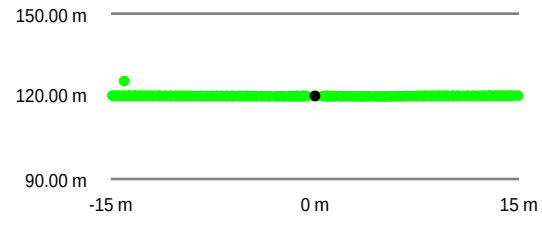
World Imagery



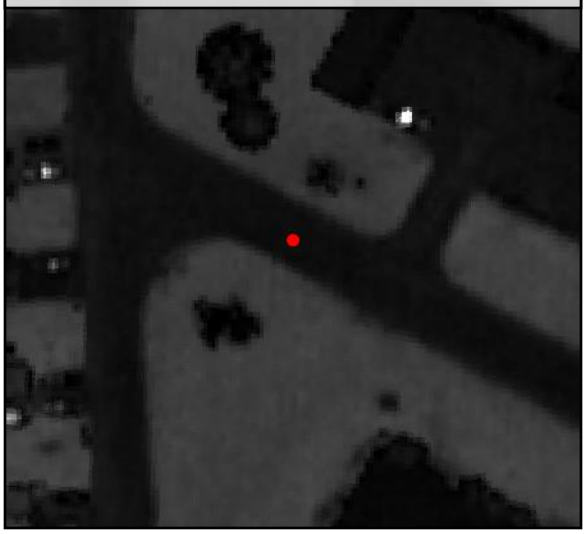
Southeast to Northwest



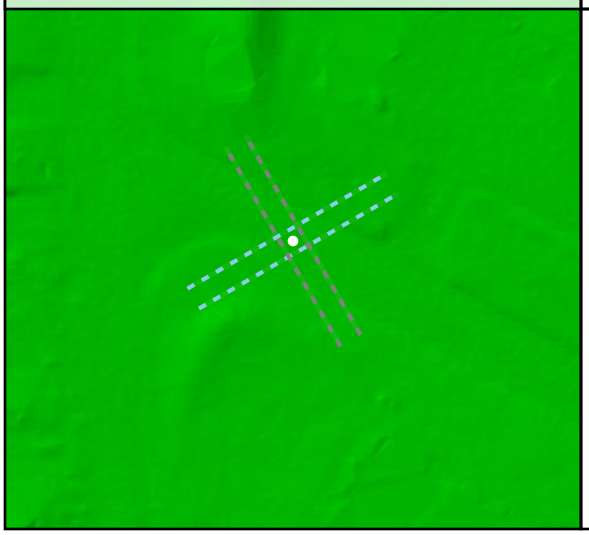
Southwest to Northeast



Intensity Raster



TIN Surface

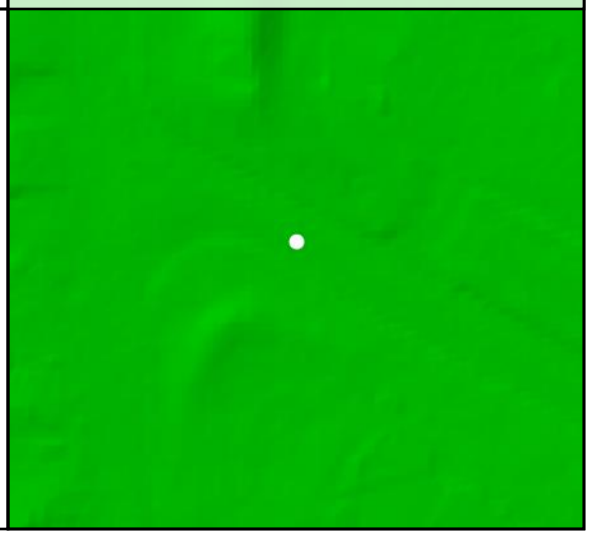


Project Elevation

591.16

110.29

DEM Surface



DEM Dz -0.06 m

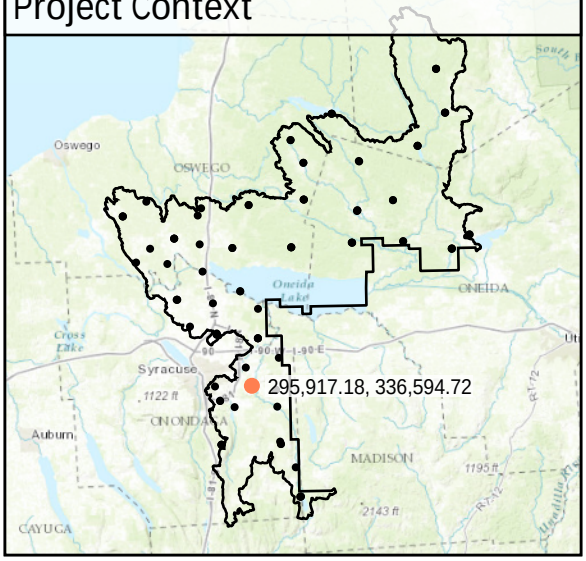
NVA - UA34

Raw TIN Dz -0.07 m

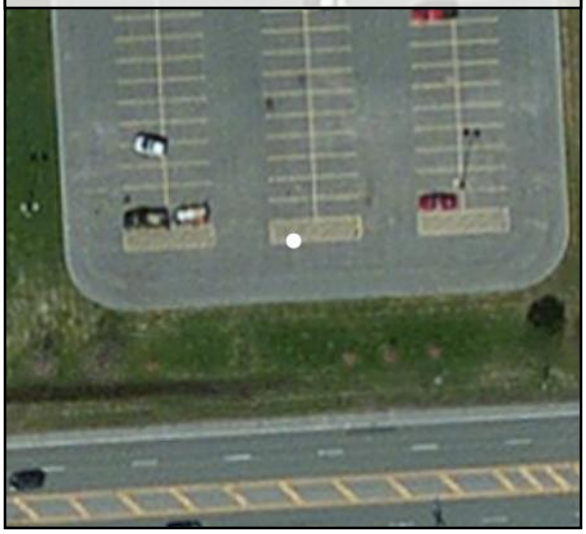
UA35

Known Z	131.39 m	Point Density	1.41 ppsm
DEM Dz	-0.01 m	Ground Density	1.41 ppsm
Raw TIN Dz	-0.02 m	Slope	1.62 °

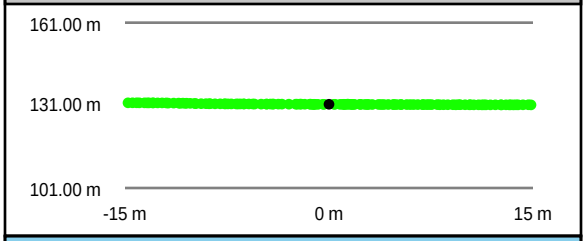
Project Context



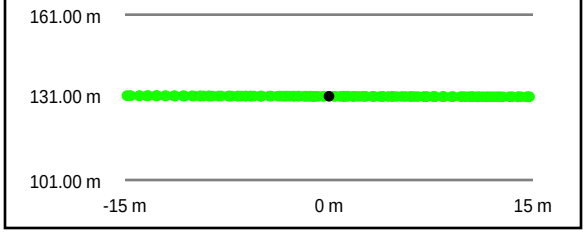
World Imagery



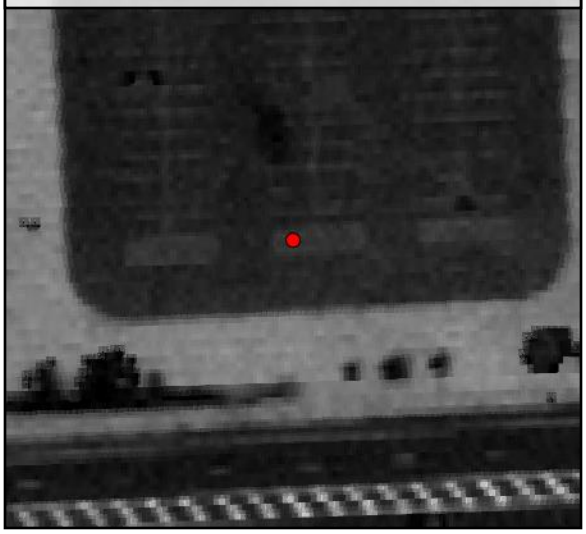
Southeast to Northwest



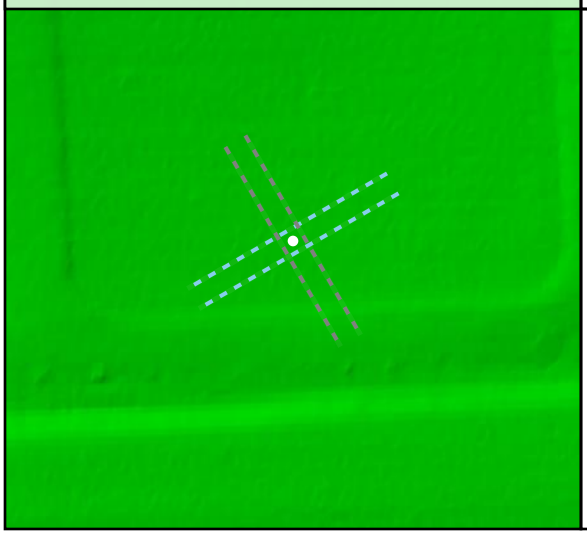
Southwest to Northeast



Intensity Raster



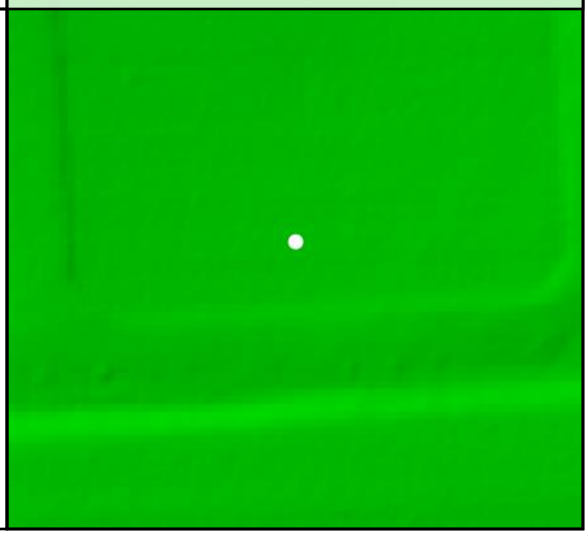
TIN Surface



Project Elevation



DEM Surface



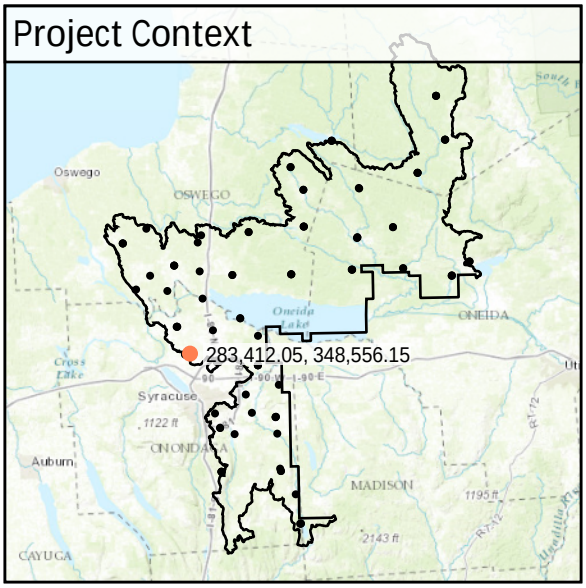
DEM Dz -0.01 m

NVA - UA35

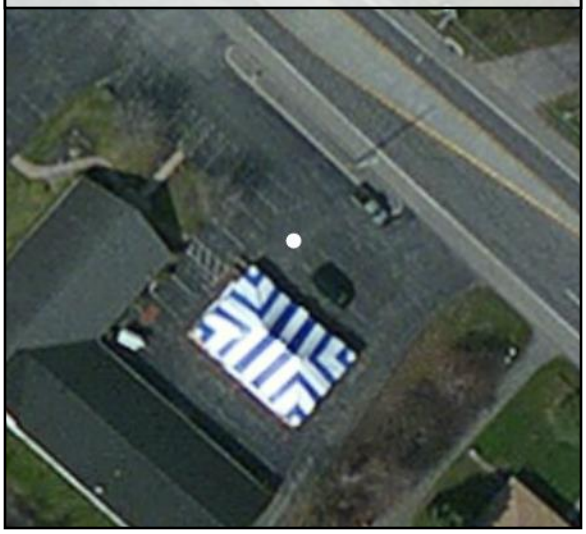
Raw TIN Dz -0.02 m

UA36				
	Known Z	136.41 m	Point Density	1.70 ppsm
	DEM Dz	0.00 m	Ground Density	2.02 ppsm
	Raw TIN Dz	0.00 m	Slope	1.65 °

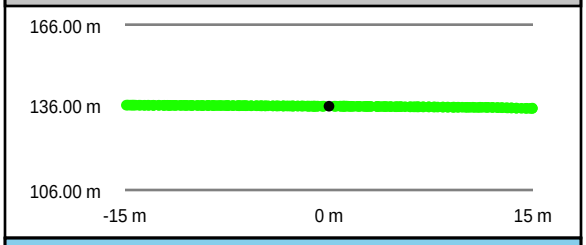
Project Context



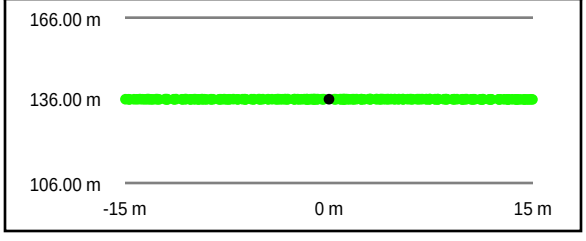
World Imagery



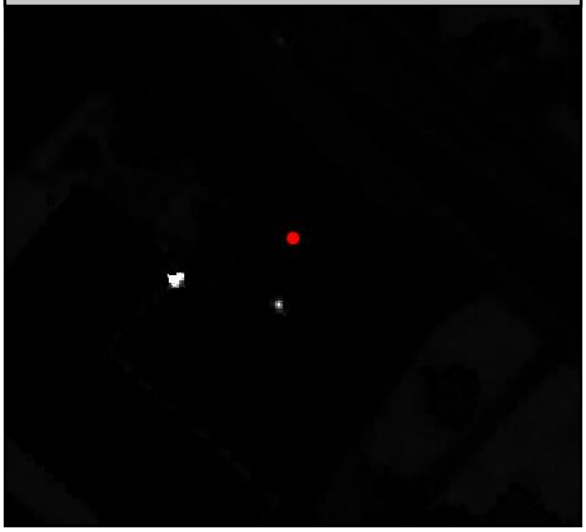
Southwest to Northeast



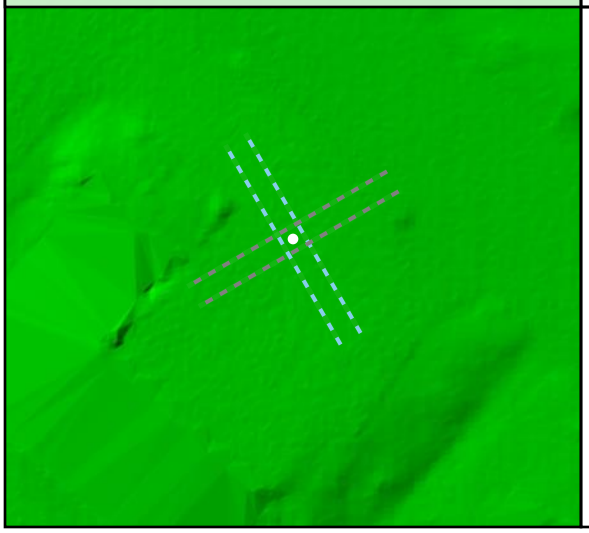
Southeast to Northwest



Intensity Raster



TIN Surface

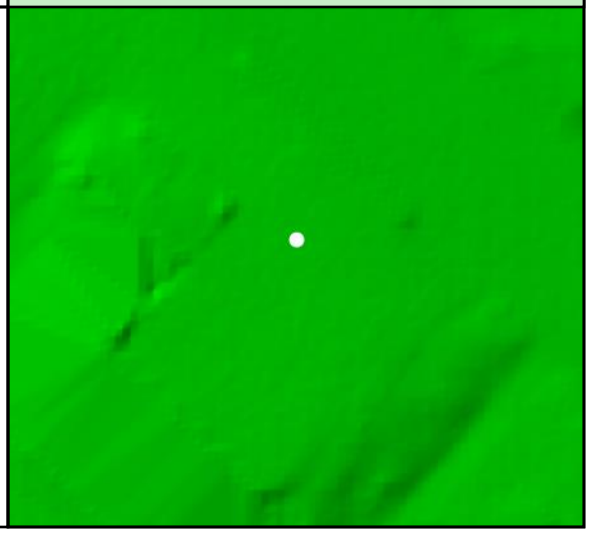


Project Elevation

591.16

110.29

DEM Surface



DEM Dz 0.00 m

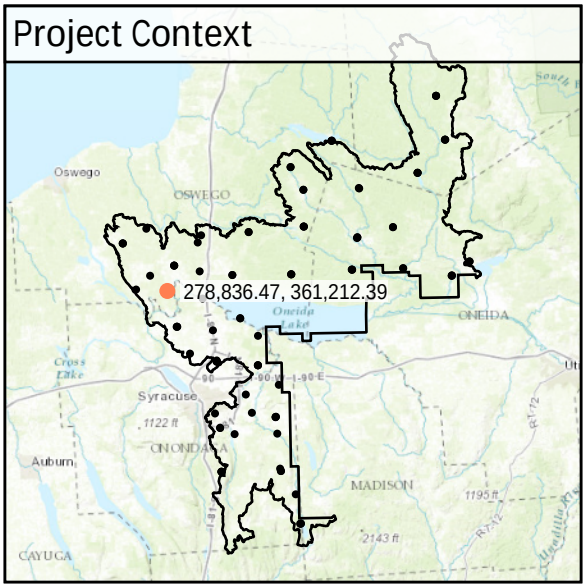
NVA - UA36

Raw TIN Dz 0.00 m

UA37

Known Z	130.91 m	Point Density	1.66 ppsm
DEM Dz	0.00 m	Ground Density	1.66 ppsm
Raw TIN Dz	0.00 m	Slope	0.48 °

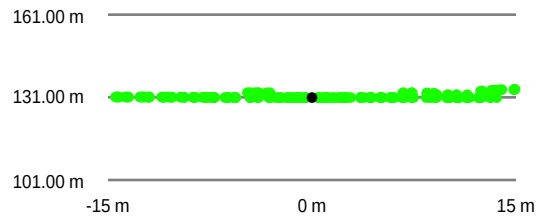
Project Context



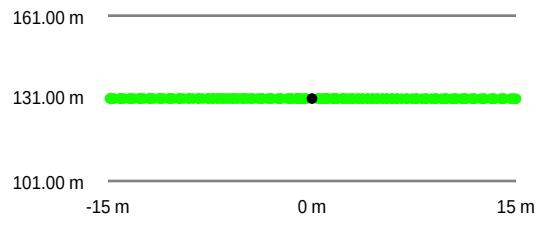
World Imagery



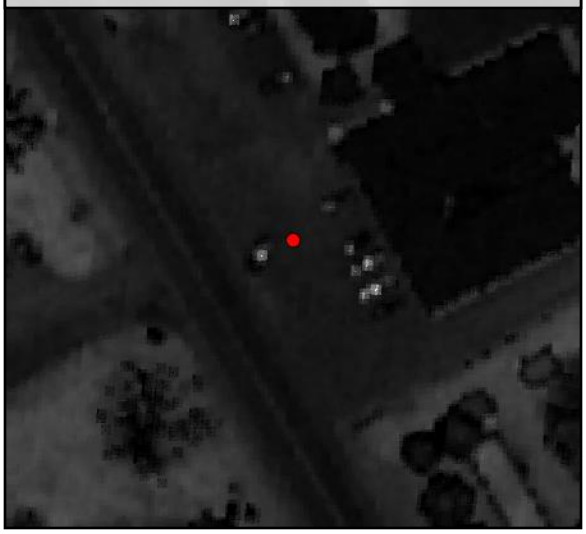
West to East



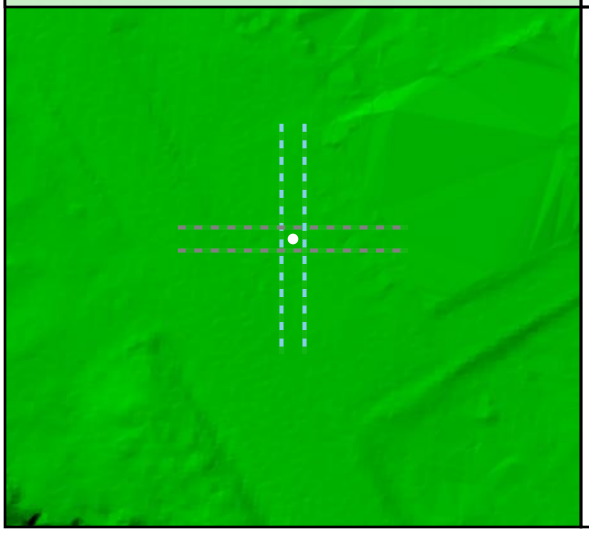
South to North



Intensity Raster



TIN Surface

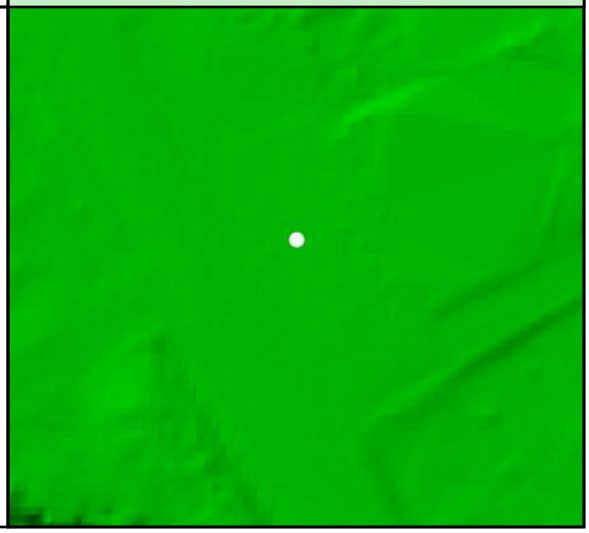


Project Elevation

591.16

110.29

DEM Surface



DEM Dz +0.00 m

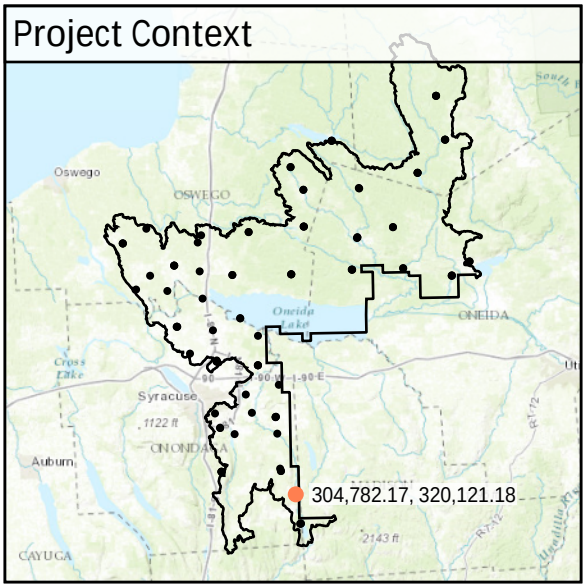
NVA - UA37

Raw TIN Dz +0.00 m

UA38

Known Z	280.55 m	Point Density	1.63 ppsm
DEM Dz	0.02 m	Ground Density	1.63 ppsm
Raw TIN Dz	0.02 m	Slope	1.31 °

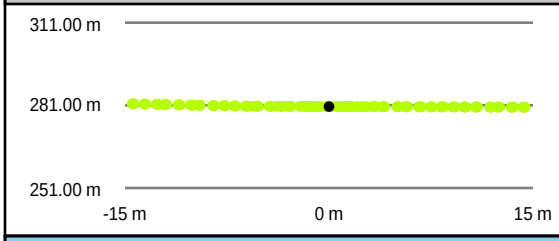
Project Context



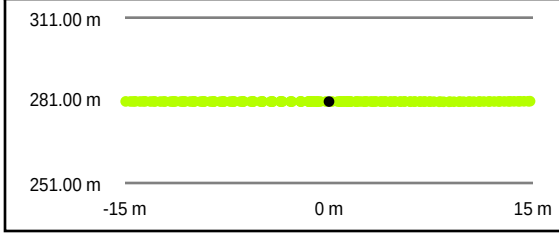
World Imagery



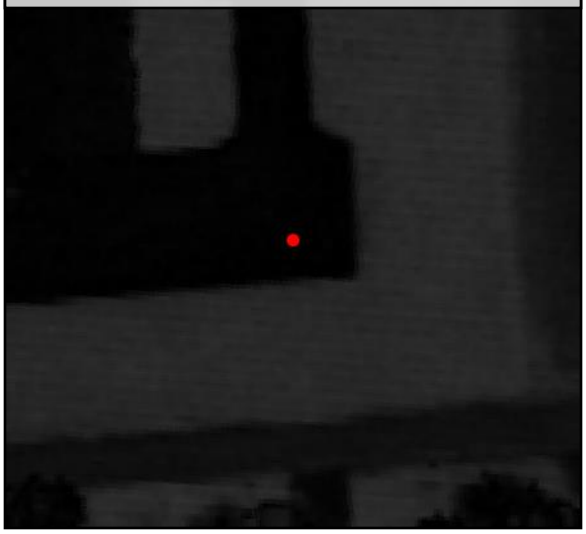
South to North



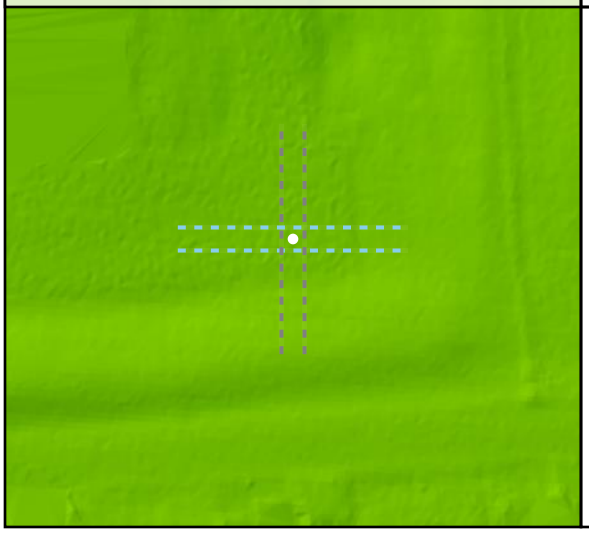
West to East



Intensity Raster



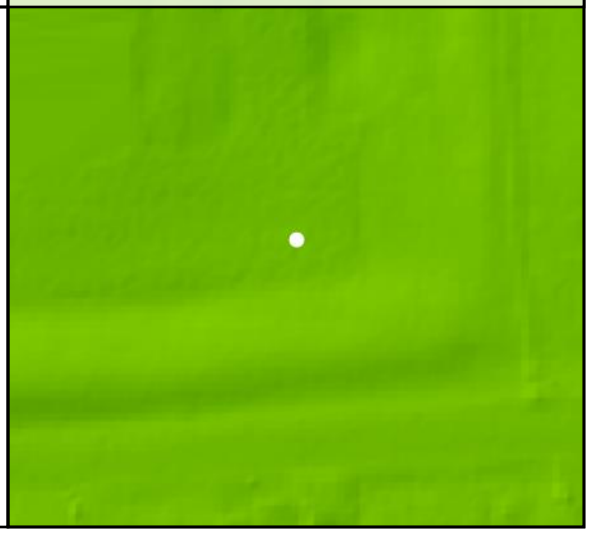
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.02 m

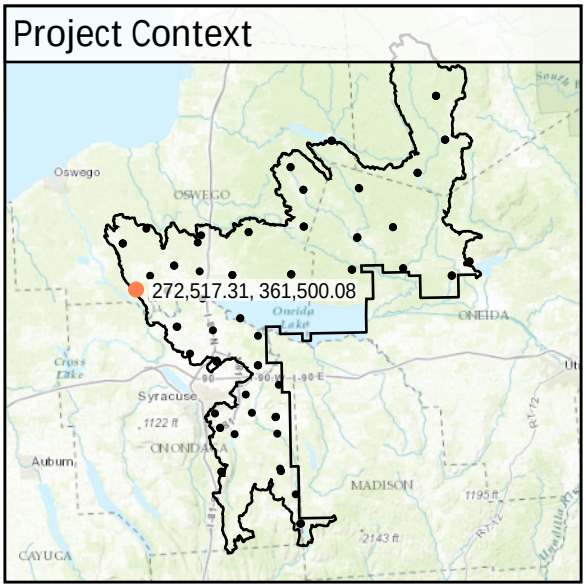
NVA - UA38

Raw TIN Dz +0.02 m

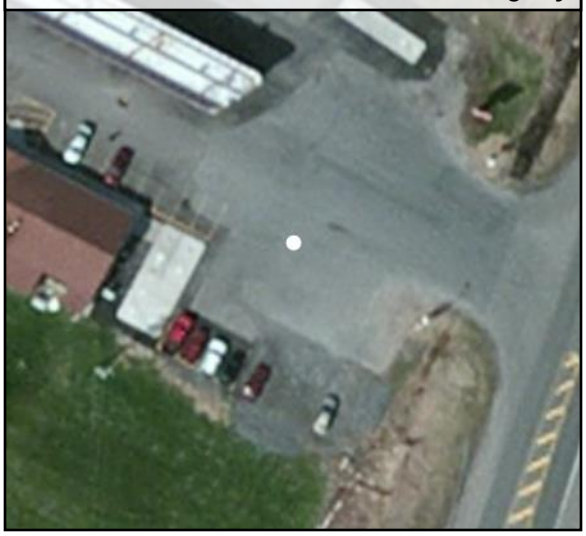
UA39

Known Z	118.18 m	Point Density	1.66 ppsm
DEM Dz	-0.03 m	Ground Density	1.66 ppsm
Raw TIN Dz	-0.02 m	Slope	0.72 °

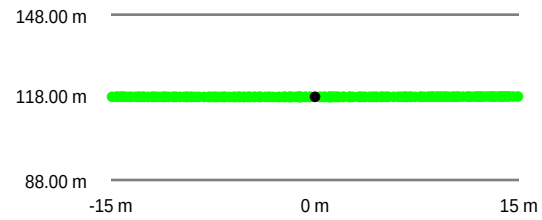
Project Context



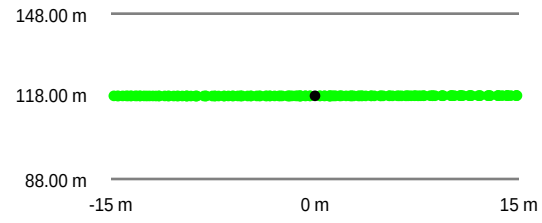
World Imagery



Southeast to Northwest



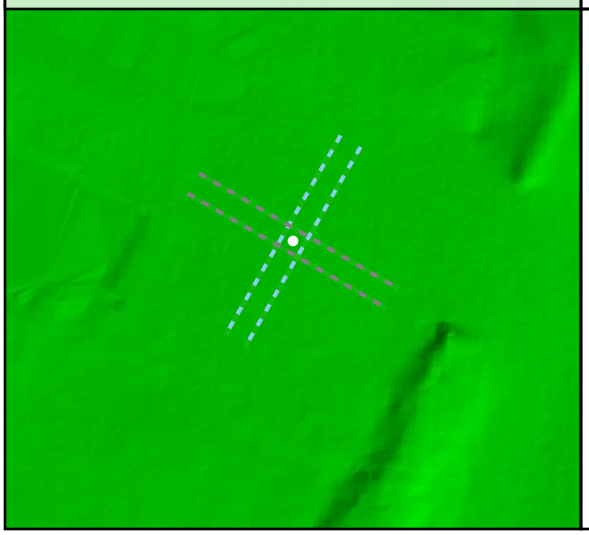
Southwest to Northeast



Intensity Raster



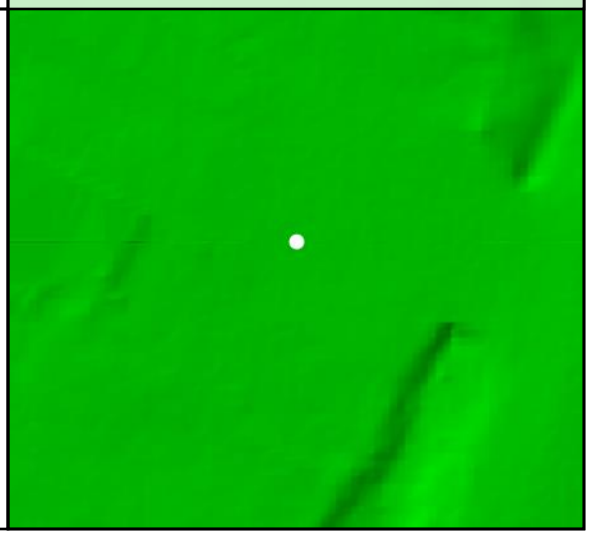
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.03 m

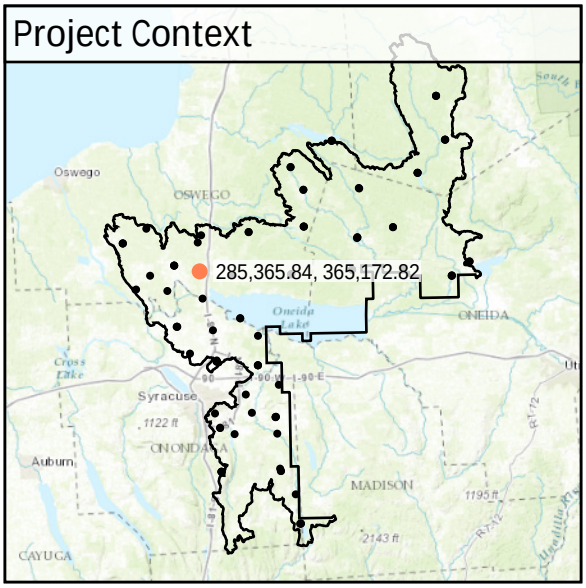
NVA - UA39

Raw TIN Dz -0.02 m

UA40

Known Z	138.84 m	Point Density	1.63 ppsm
DEM Dz	0.05 m	Ground Density	1.63 ppsm
Raw TIN Dz	0.05 m	Slope	0.79 °

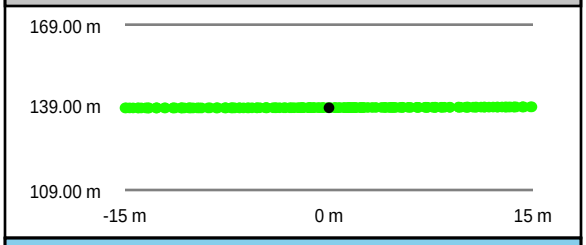
Project Context



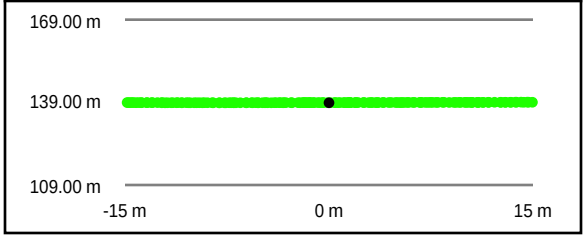
World Imagery



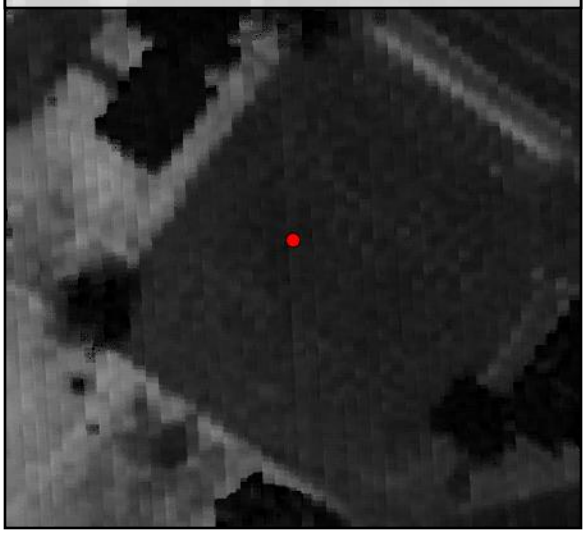
Southwest to Northeast



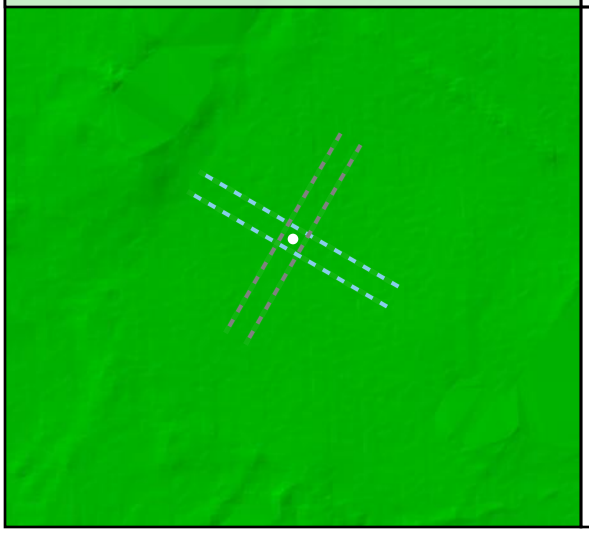
Southeast to Northwest



Intensity Raster



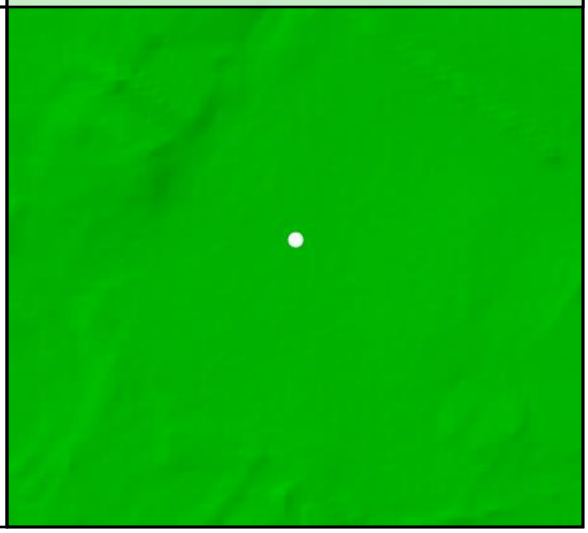
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.05 m

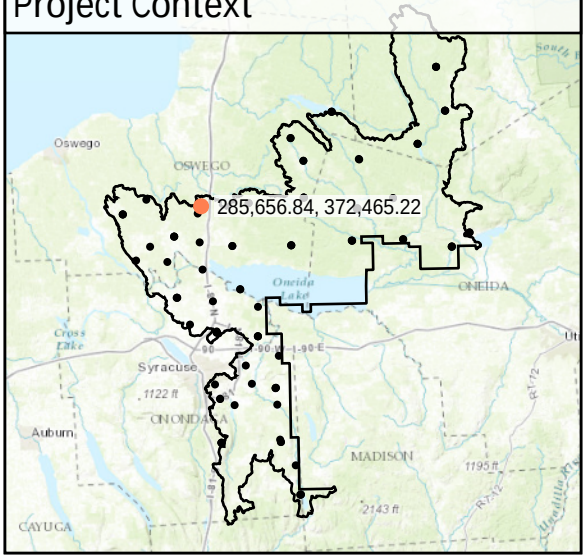
NVA - UA40

Raw TIN Dz +0.05 m

UA41

Known Z	144.86 m	Point Density	2.72 ppsm
DEM Dz	-0.05 m	Ground Density	2.65 ppsm
Raw TIN Dz	-0.07 m	Slope	0.79 °

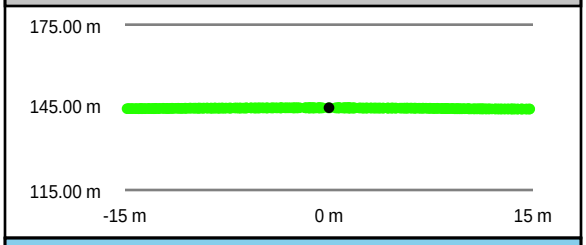
Project Context



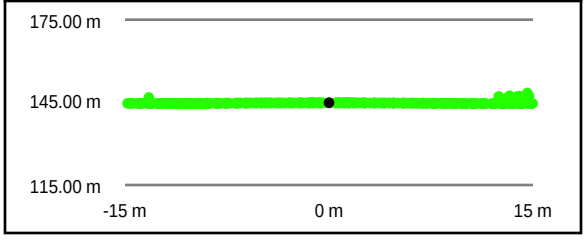
World Imagery



Southwest to Northeast



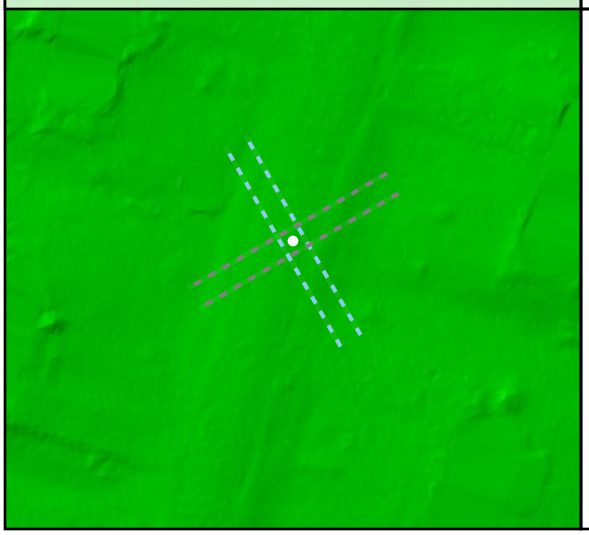
Southeast to Northwest



Intensity Raster



TIN Surface

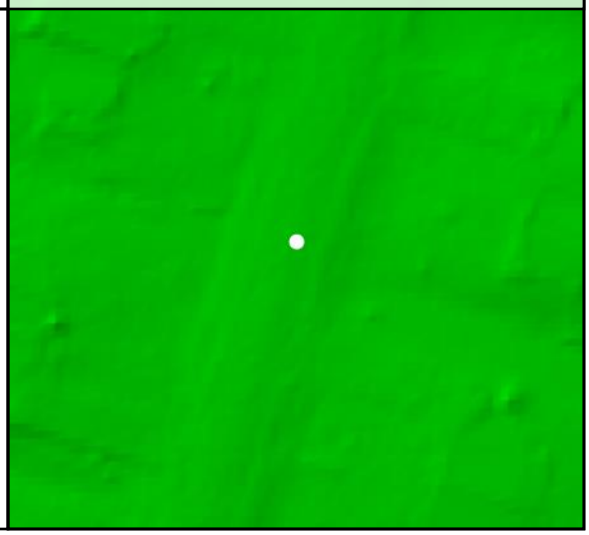


Project Elevation

591.16

110.29

DEM Surface



DEM Dz -0.05 m

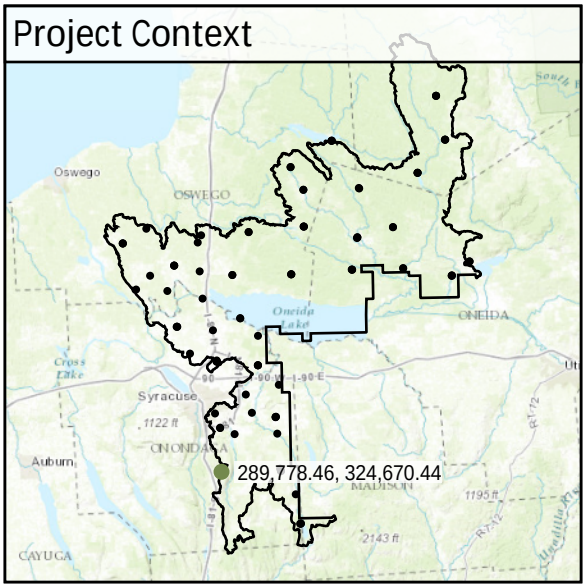
NVA - UA41

Raw TIN Dz -0.07 m

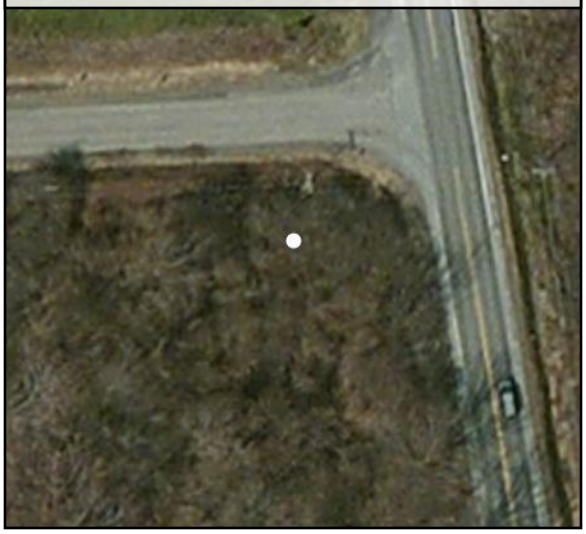
FO02

	Known Z	399.46 m	Point Density	1.66 ppsm
	DEM Dz	Outside of AOI	Ground Density	1.66 ppsm
	Raw TIN Dz	N/A	Slope	Outside of AOI

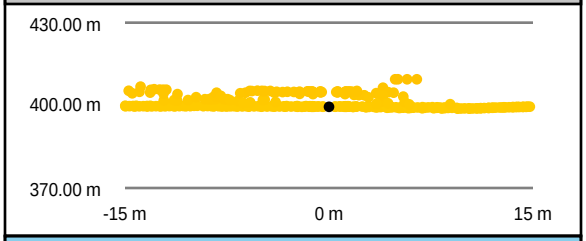
Project Context



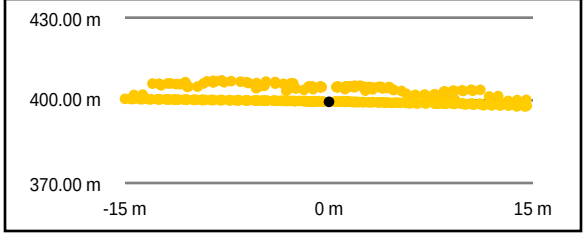
World Imagery



Southwest to Northeast



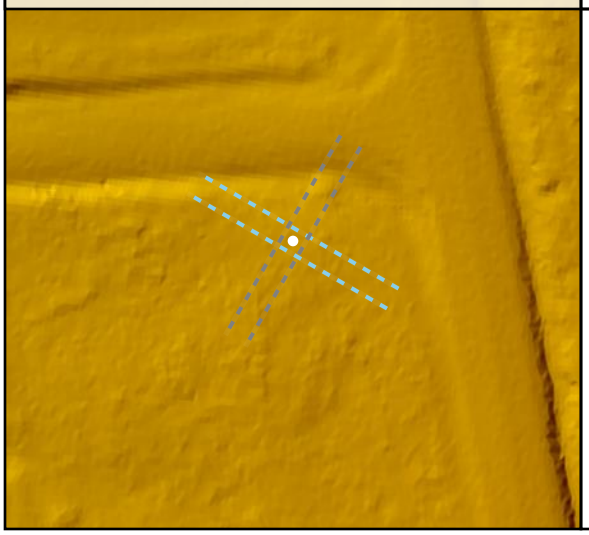
Southeast to Northwest



Intensity Raster



TIN Surface



Project Elevation

591.16

110.29

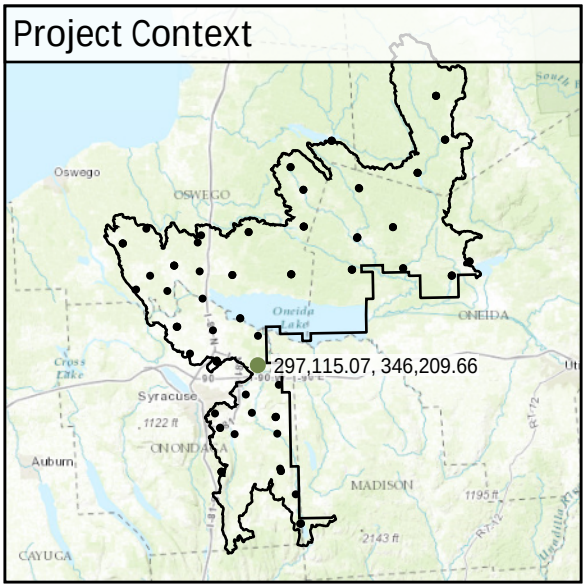
DEM Surface

Outside of AOI

VVA - FO02

FO03				
	Known Z	127.44 m	Point Density	1.63 ppsm
	DEM Dz	0.04 m	Ground Density	1.66 ppsm
	Raw TIN Dz	N/A	Slope	3.43 °

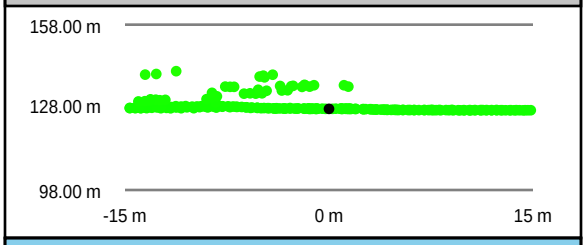
Project Context



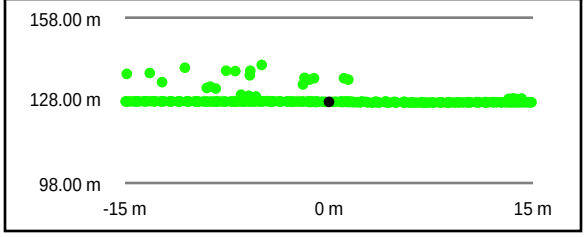
World Imagery



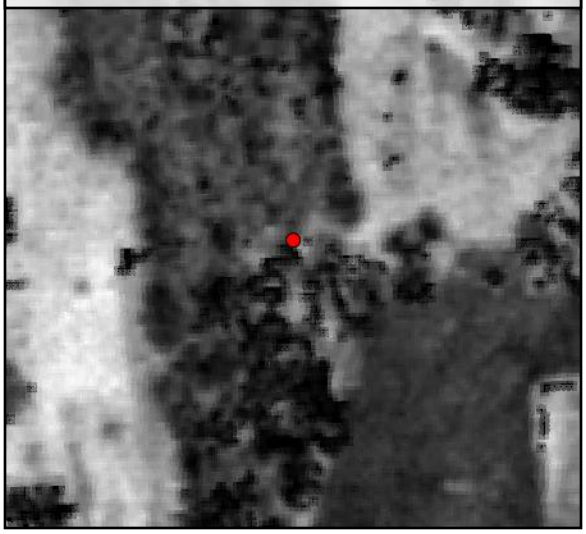
Southwest to Northeast



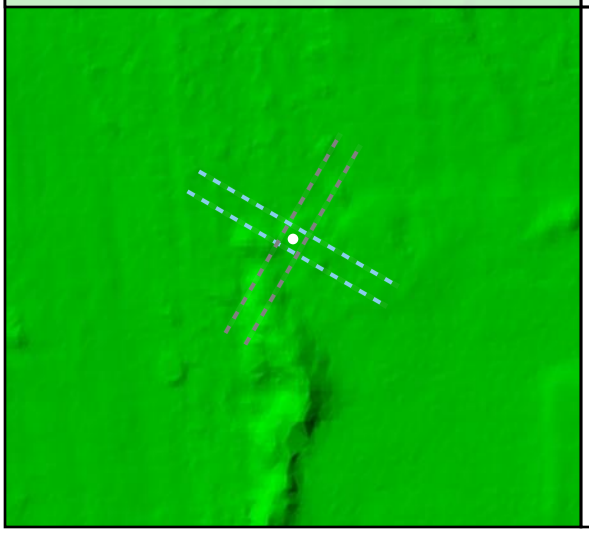
Southeast to Northwest



Intensity Raster



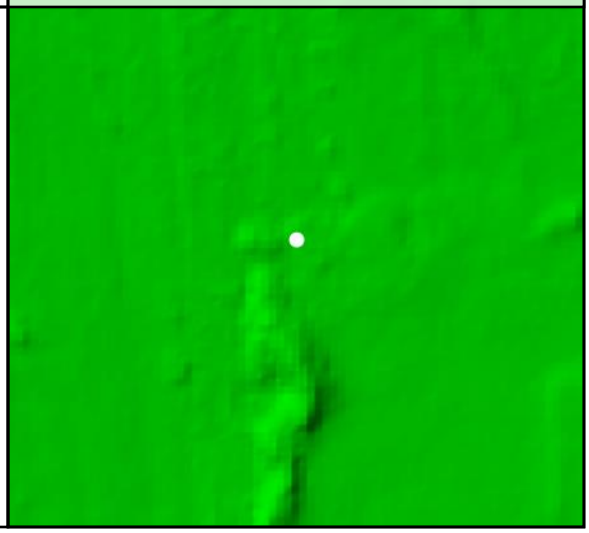
TIN Surface



Project Elevation



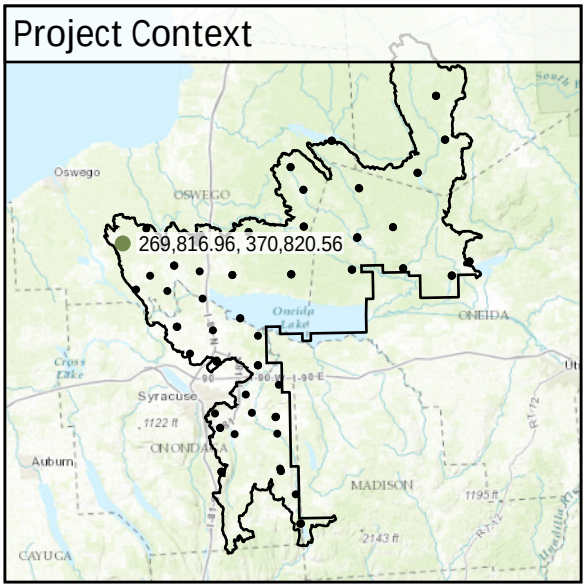
DEM Surface



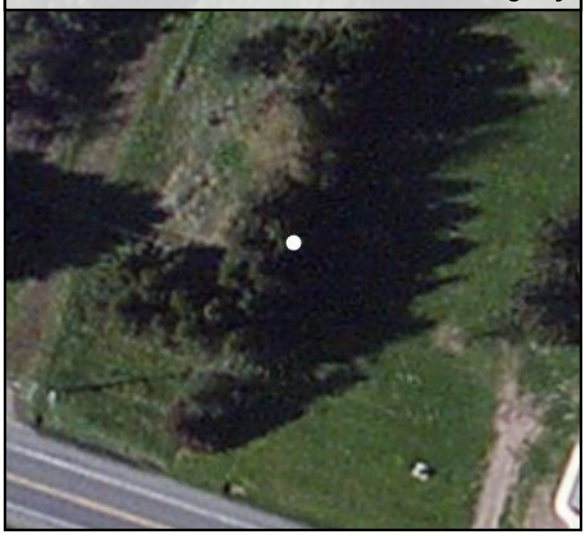
FO04

Known Z	147.67 m	Point Density	2.12 ppsm
DEM Dz	-0.06 m	Ground Density	0.35 ppsm
Raw TIN Dz	N/A	Slope	2.54 °

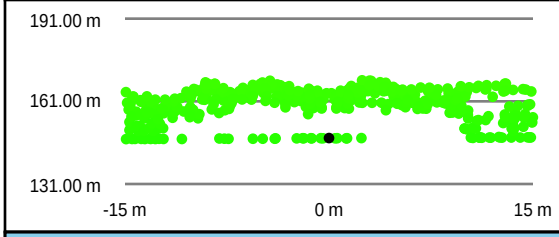
Project Context



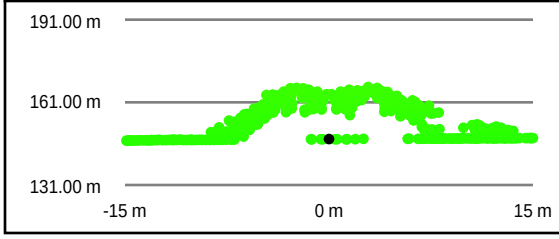
World Imagery



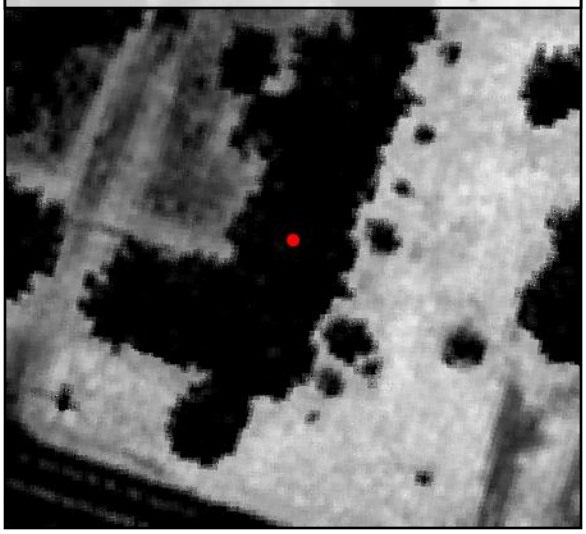
South to North



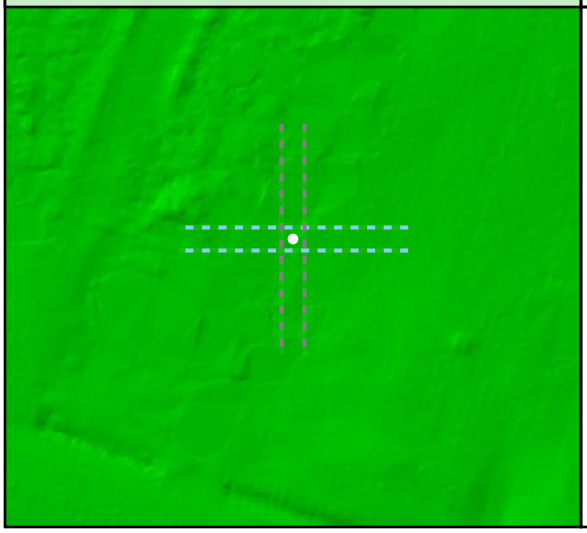
West to East



Intensity Raster



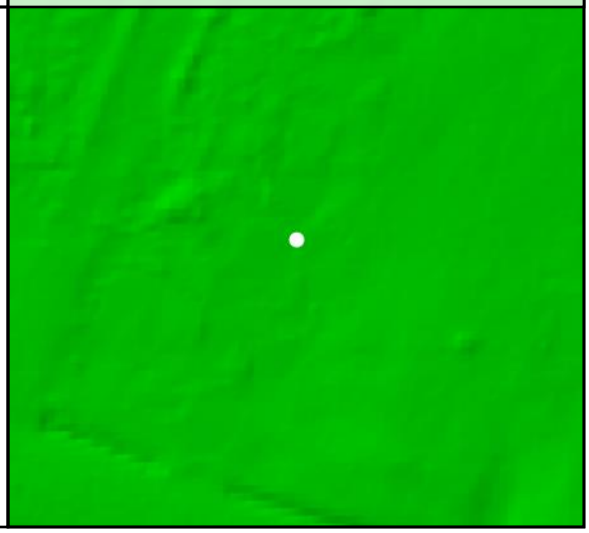
TIN Surface



Project Elevation



DEM Surface

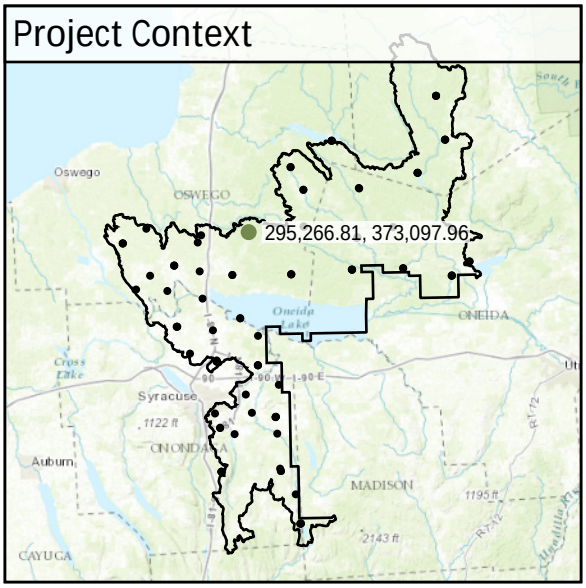


DEM Dz -0.06 m

VVA - FO04

FO05				
	Known Z	184.05 m	Point Density	2.30 ppsm
	DEM Dz	0.01 m	Ground Density	2.09 ppsm
	Raw TIN Dz	N/A	Slope	3.96 °

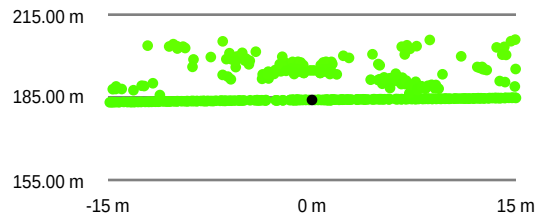
Project Context



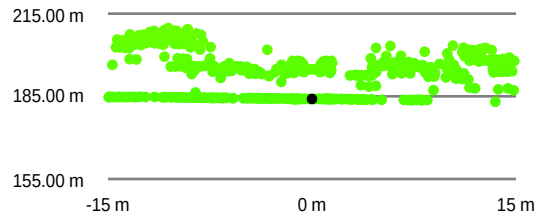
World Imagery



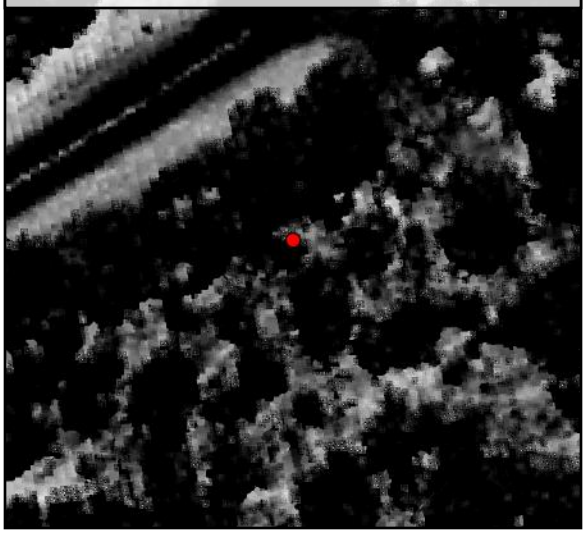
Southwest to Northeast



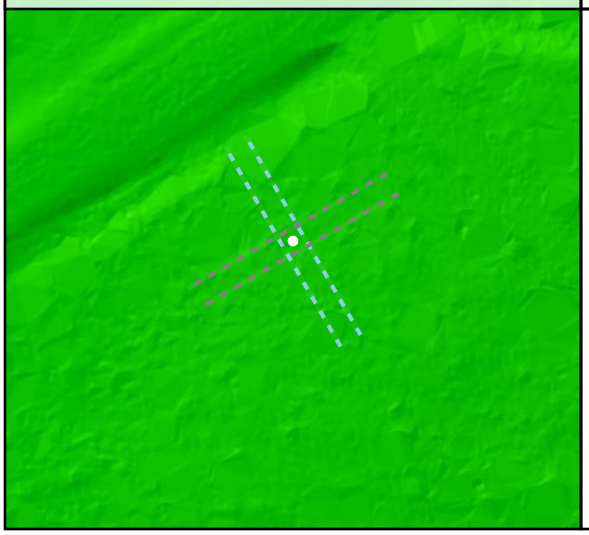
Southeast to Northwest



Intensity Raster



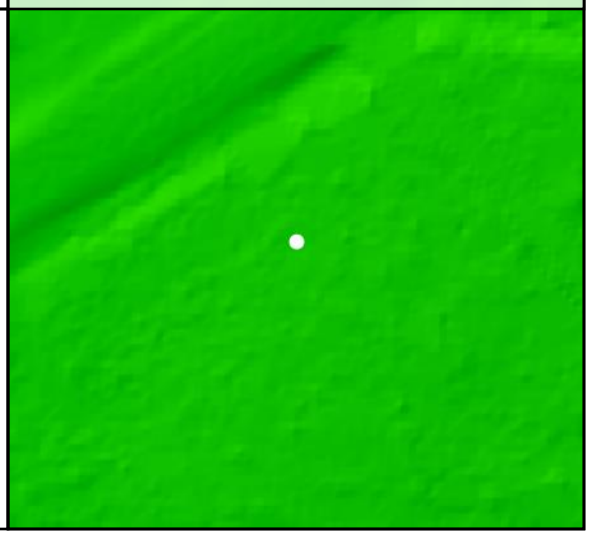
TIN Surface



Project Elevation

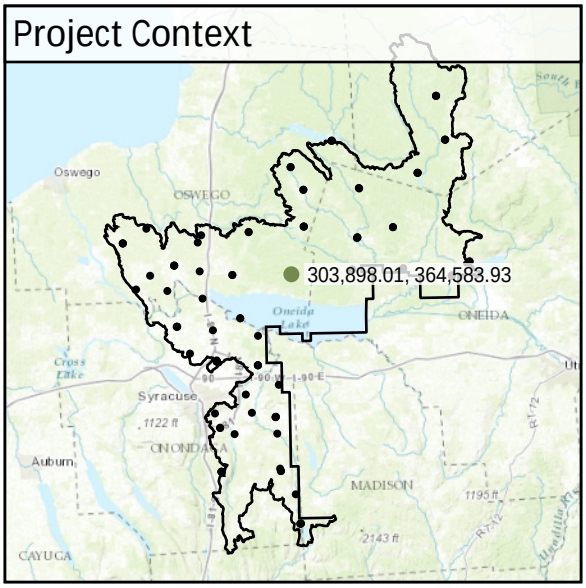


DEM Surface

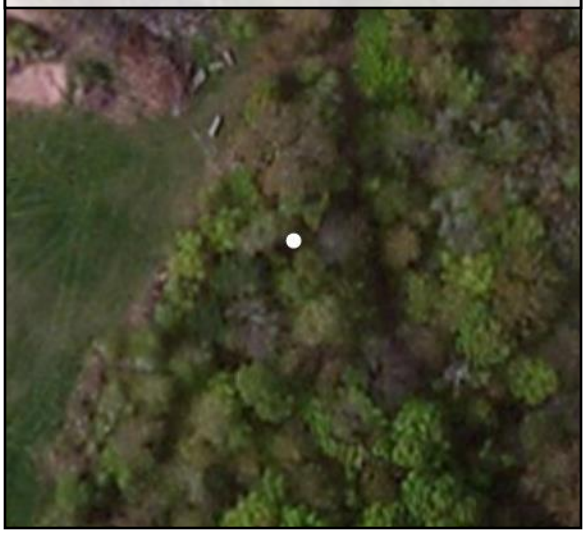


FO06				
	Known Z	180.85 m	Point Density	1.52 ppsm
	DEM Dz	0.07 m	Ground Density	1.80 ppsm
	Raw TIN Dz	N/A	Slope	3.27 °

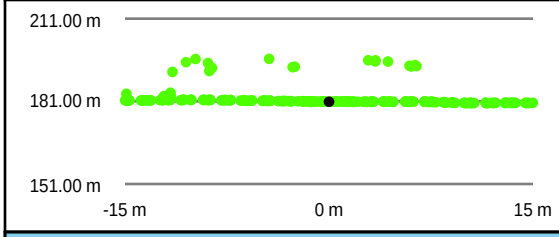
Project Context



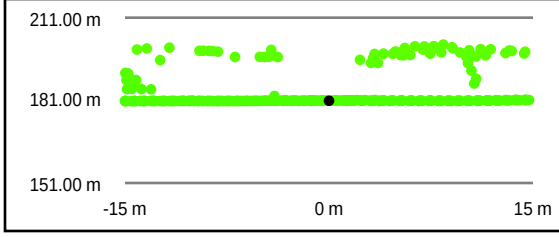
World Imagery



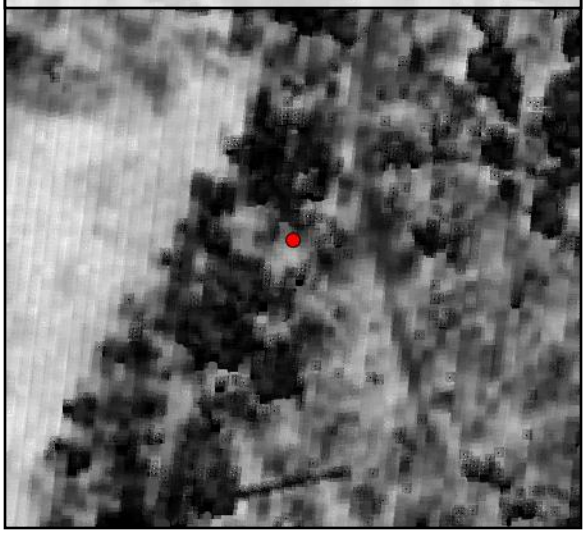
West to East



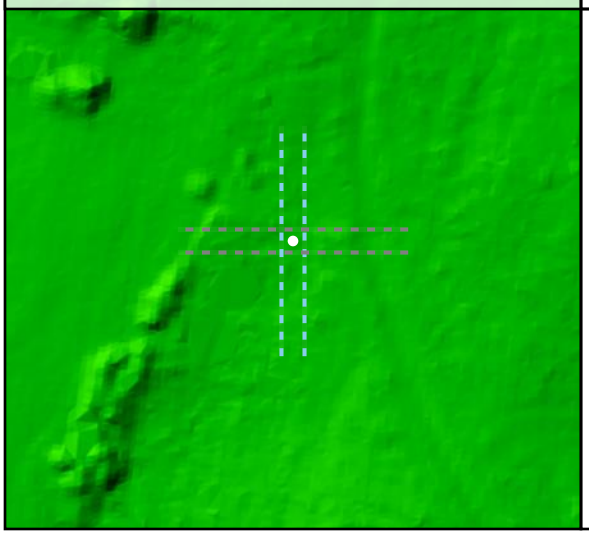
South to North



Intensity Raster



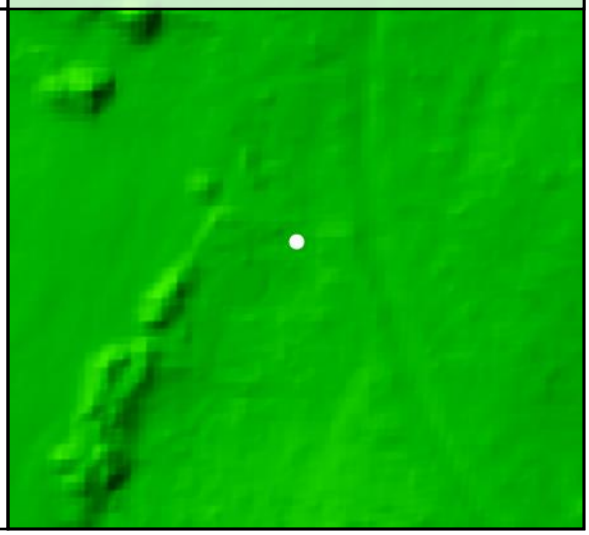
TIN Surface



Project Elevation



DEM Surface

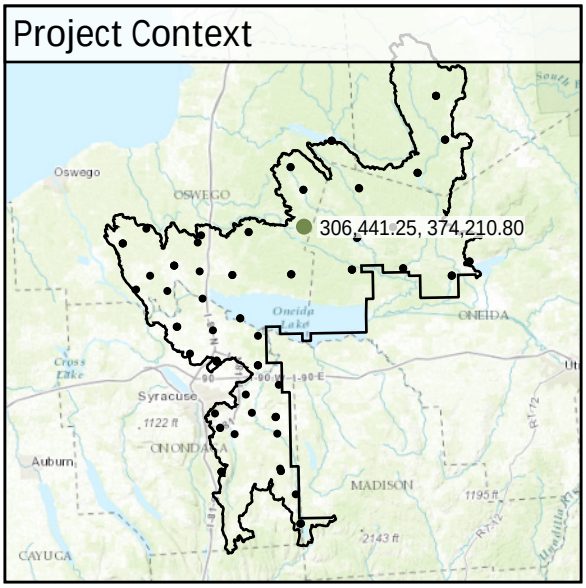


FO07				
	Known Z	219.45 m	Point Density	1.98 ppsm
	DEM Dz	0.06 m	Ground Density	0.74 ppsm
	Raw TIN Dz	N/A	Slope	2.53 °

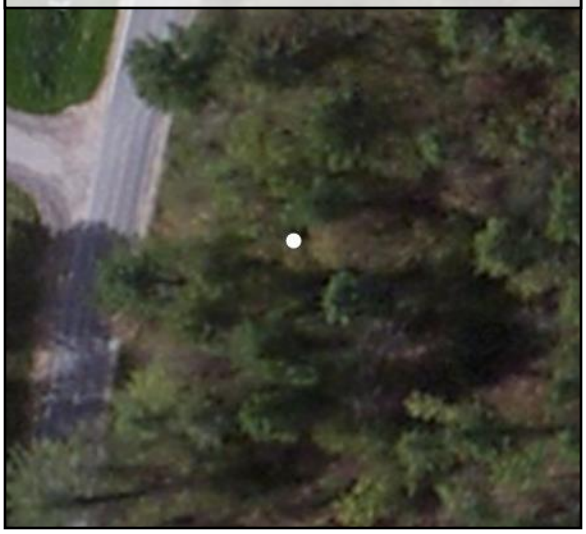
DEM Dz +0.06 m

VVA - FO07

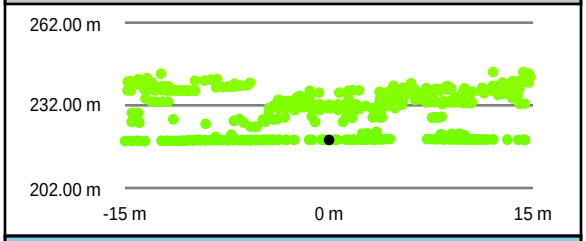
Project Context



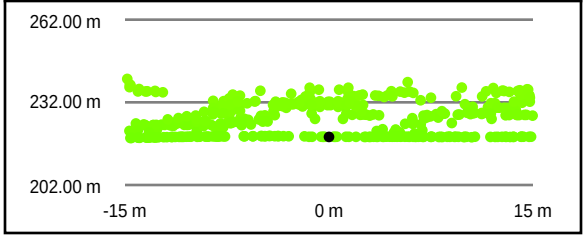
World Imagery



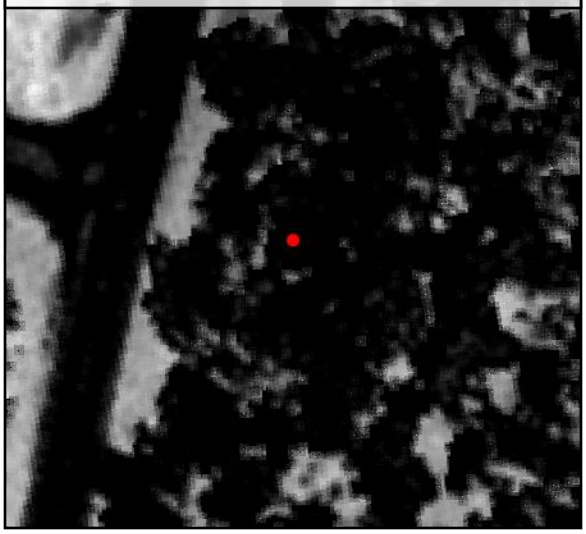
Southwest to Northeast



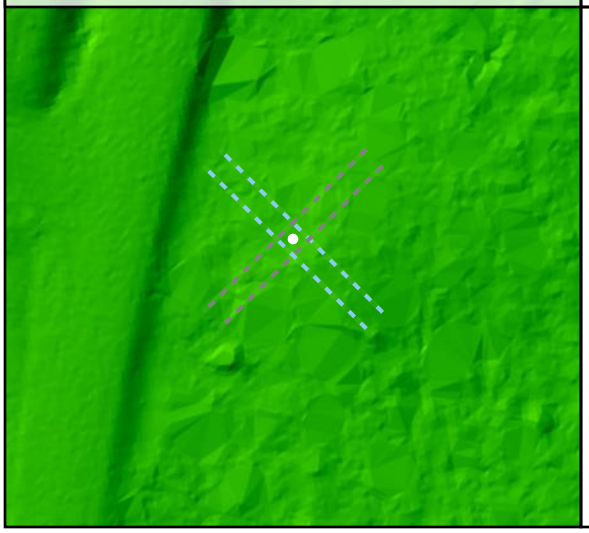
Southeast to Northwest



Intensity Raster



TIN Surface

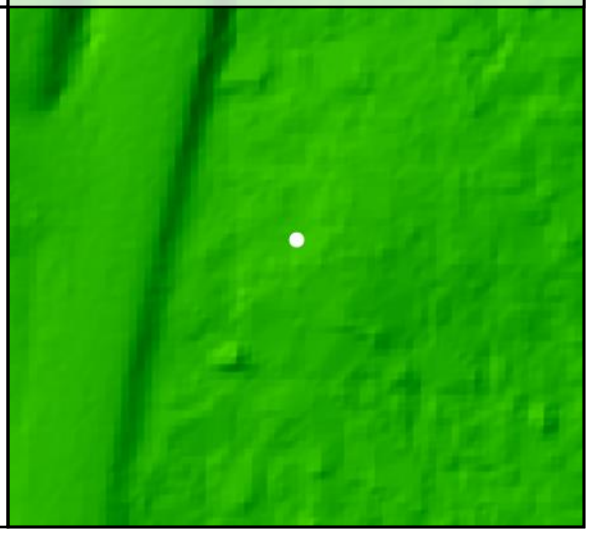


Project Elevation

591.16

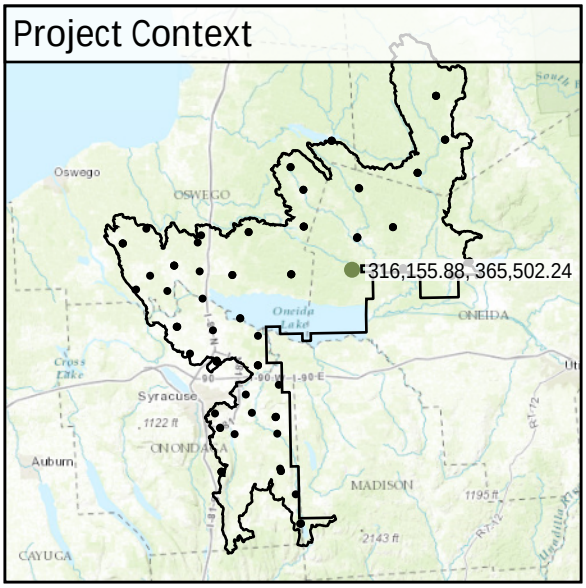
110.29

DEM Surface



FO08				
	Known Z	154.35 m	Point Density	1.73 ppsm
	DEM Dz	0.10 m	Ground Density	1.52 ppsm
	Raw TIN Dz	N/A	Slope	2.02 °

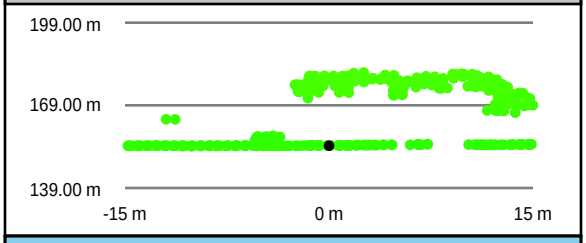
Project Context



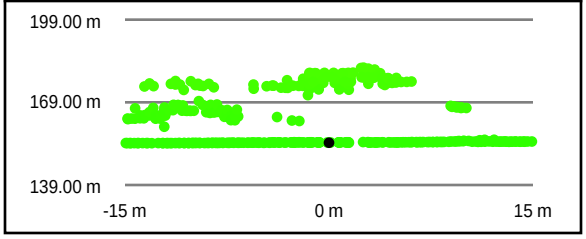
World Imagery



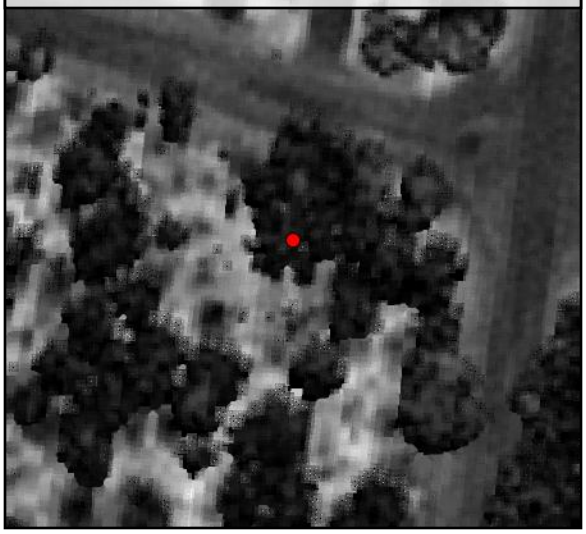
Southwest to Northeast



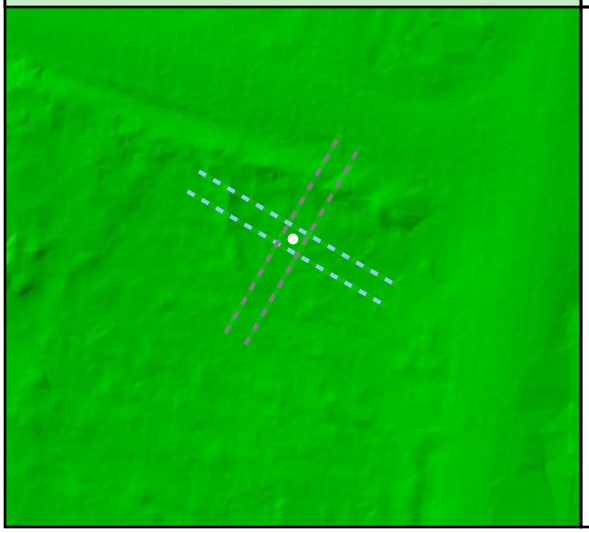
Southeast to Northwest



Intensity Raster



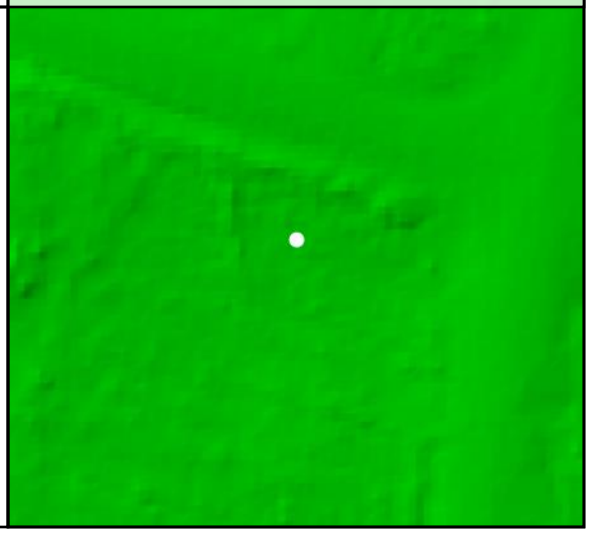
TIN Surface



Project Elevation



DEM Surface

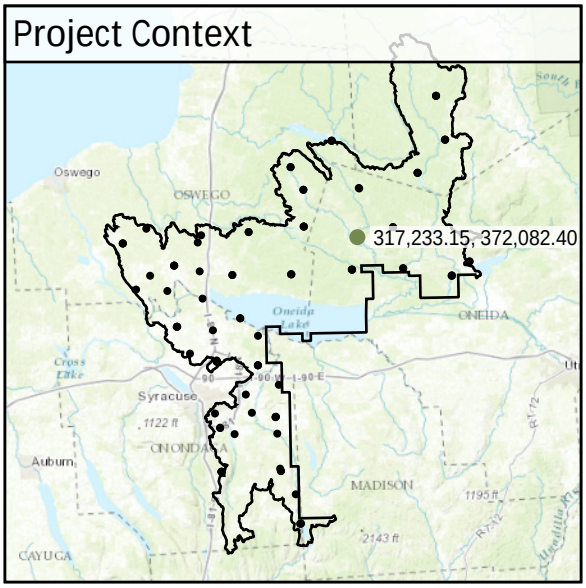


FO09				
	Known Z	158.96 m	Point Density	1.77 ppsm
	DEM Dz	0.09 m	Ground Density	1.13 ppsm
	Raw TIN Dz	N/A	Slope	0.51 °

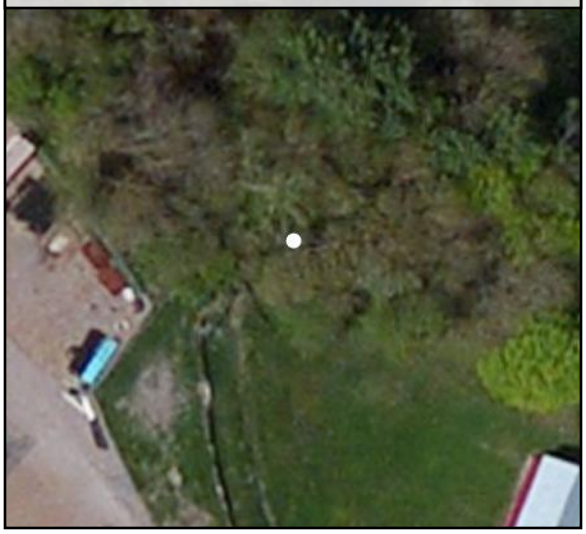
DEM Dz +0.09 m

VVA - FO09

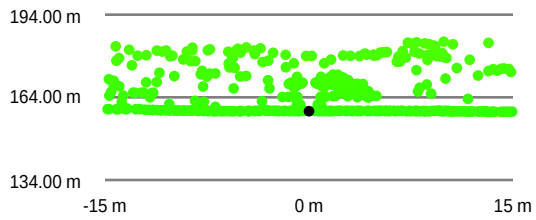
Project Context



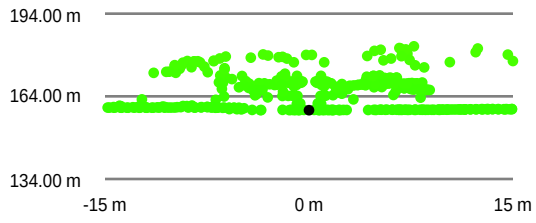
World Imagery



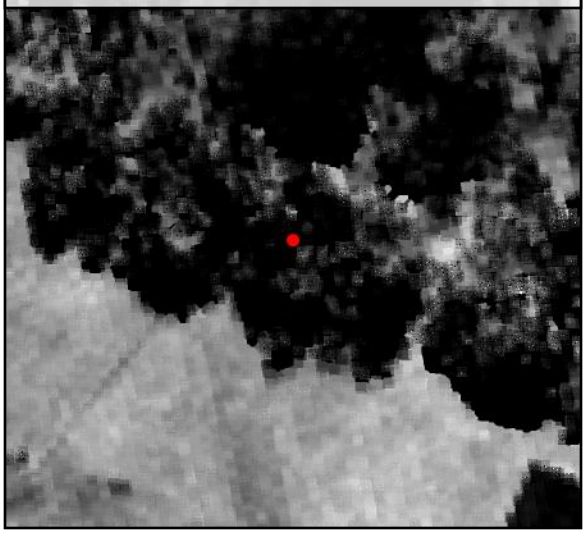
Southeast to Northwest



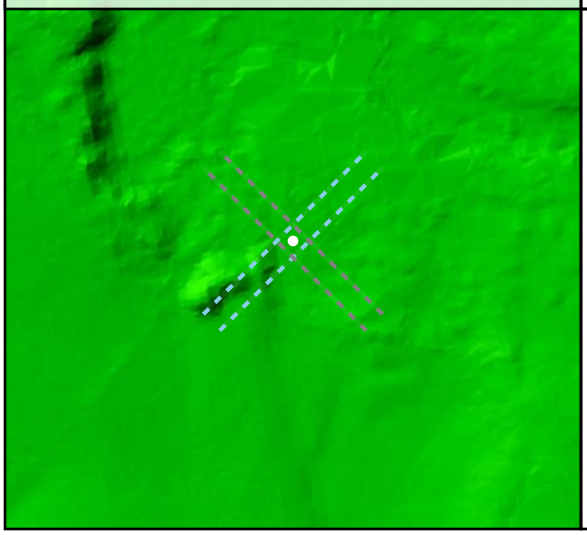
Southwest to Northeast



Intensity Raster



TIN Surface

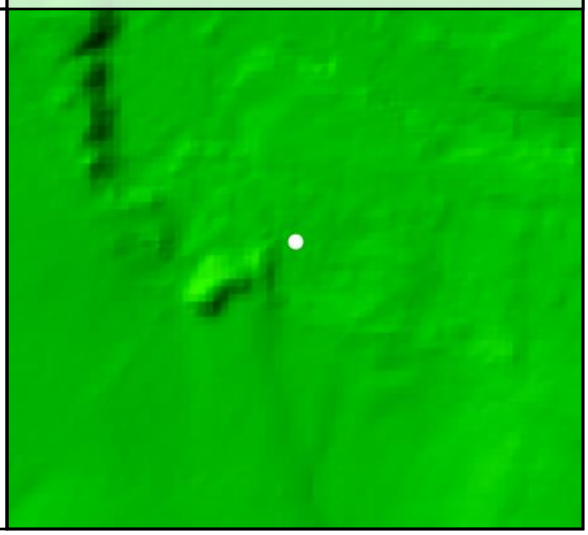


Project Elevation

591.16

110.29

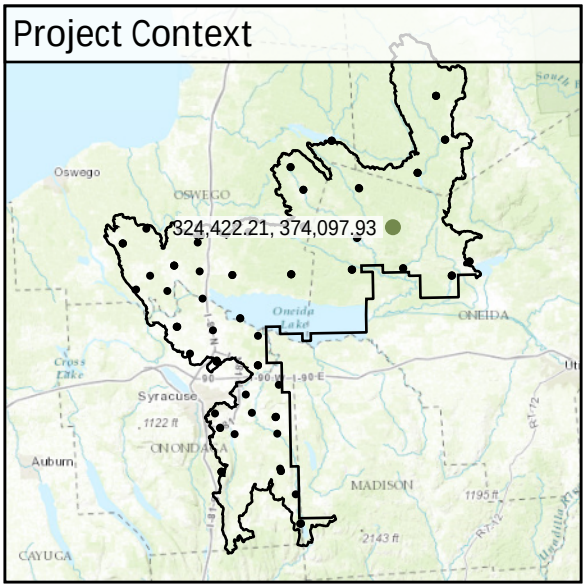
DEM Surface



FO10

Known Z	272.42 m	Point Density	1.73 ppsm
DEM Dz	0.06 m	Ground Density	1.77 ppsm
Raw TIN Dz	N/A	Slope	2.52 °

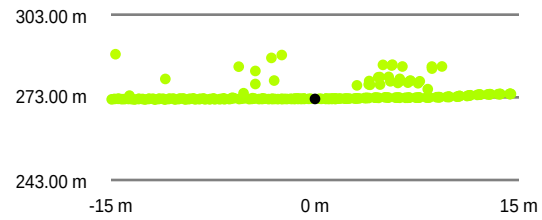
Project Context



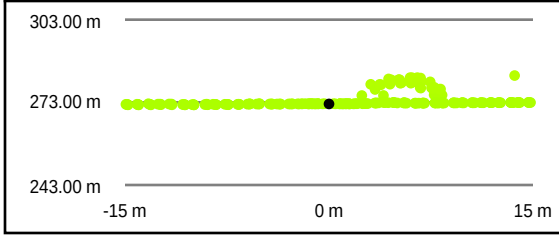
World Imagery



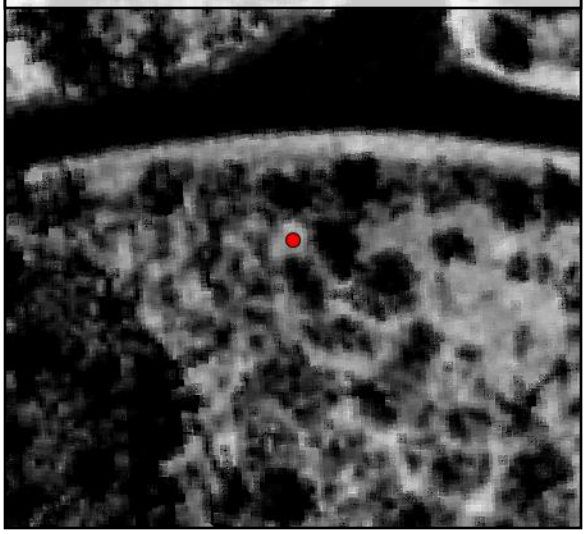
South to North



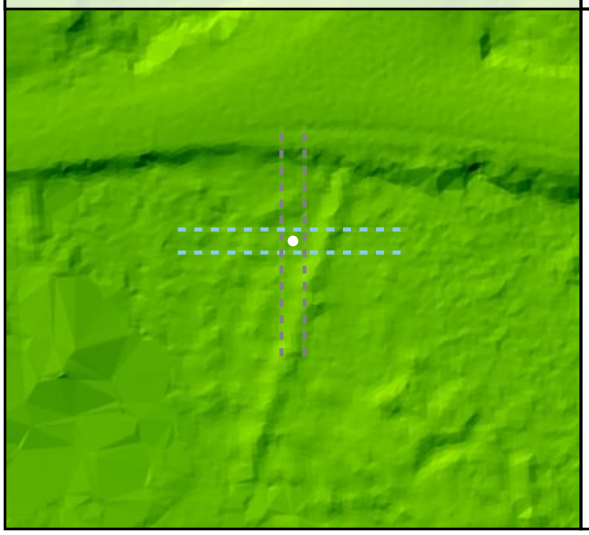
West to East



Intensity Raster



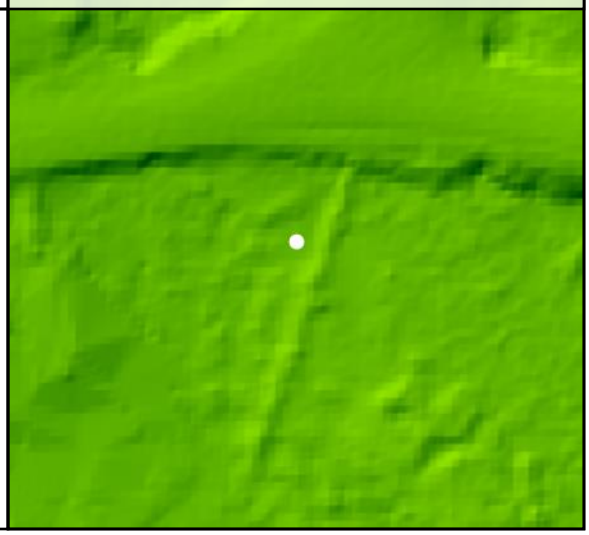
TIN Surface



Project Elevation



DEM Surface

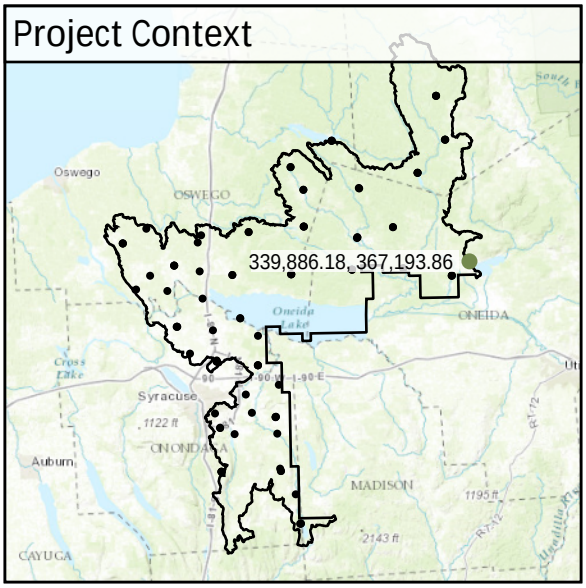


DEM Dz +0.06 m

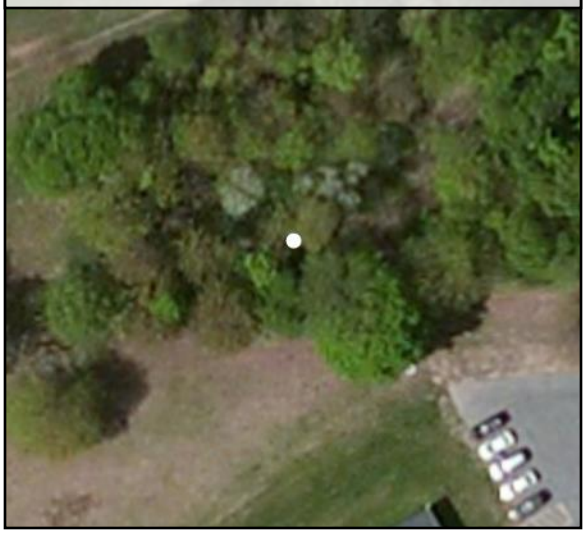
VVA - FO10

FO11				
	Known Z	194.28 m	Point Density	1.84 ppsm
	DEM Dz	Outside of AOI	Ground Density	1.84 ppsm
	Raw TIN Dz	N/A	Slope	Outside of AOI

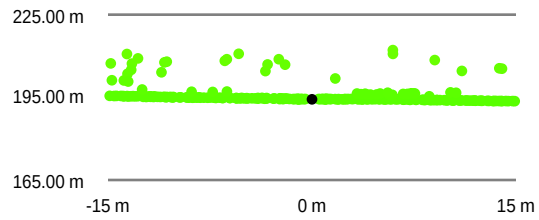
Project Context



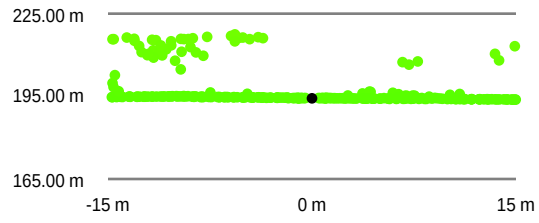
World Imagery



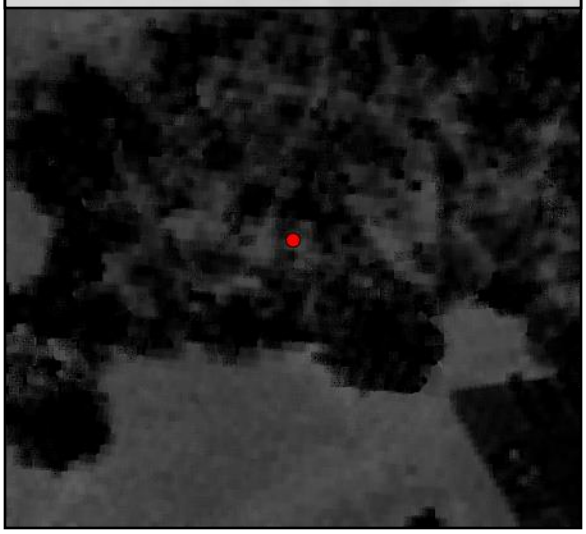
Southwest to Northeast



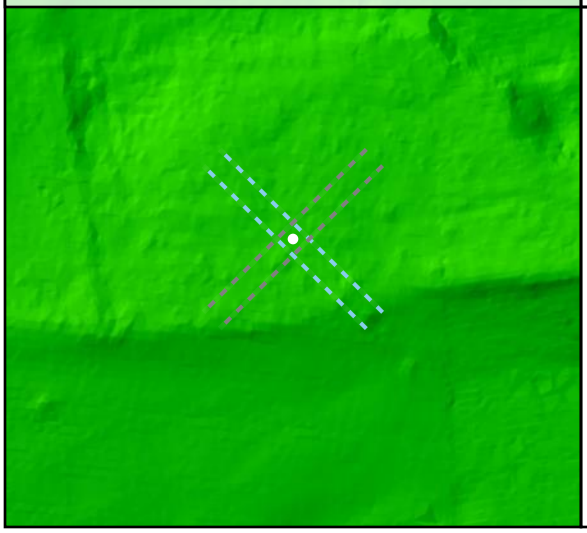
Southeast to Northwest



Intensity Raster



TIN Surface



Project Elevation

591.16

110.29

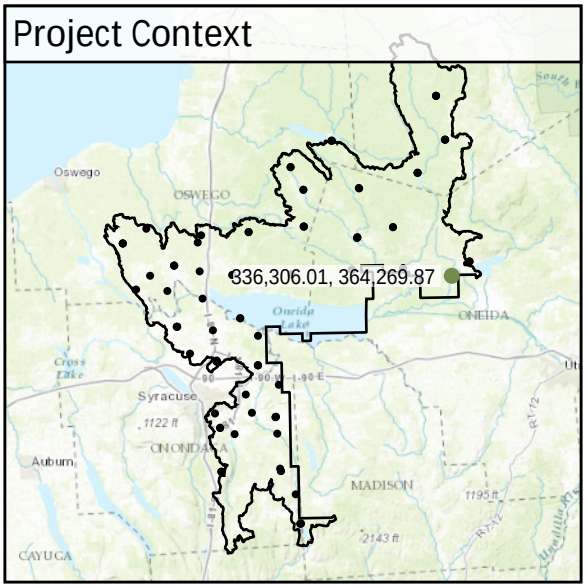
DEM Surface

Outside of AOI

VVA - FO11

FO12				
	Known Z	146.39 m	Point Density	2.37 ppsm
	DEM Dz	0.09 m	Ground Density	1.77 ppsm
	Raw TIN Dz	N/A	Slope	2.36 °

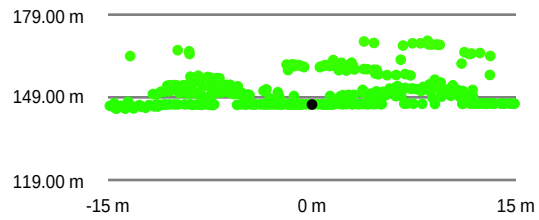
Project Context



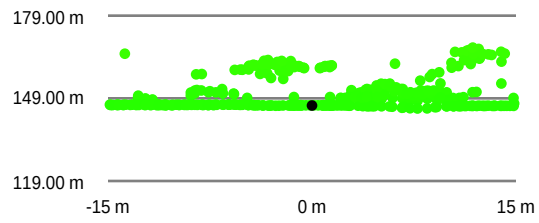
World Imagery



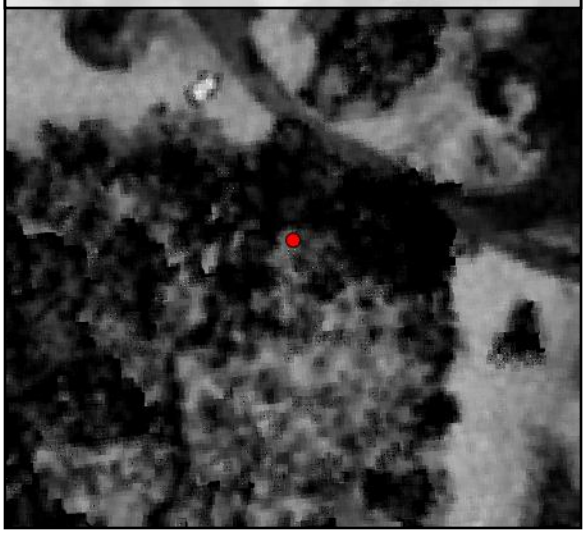
Southwest to Northeast



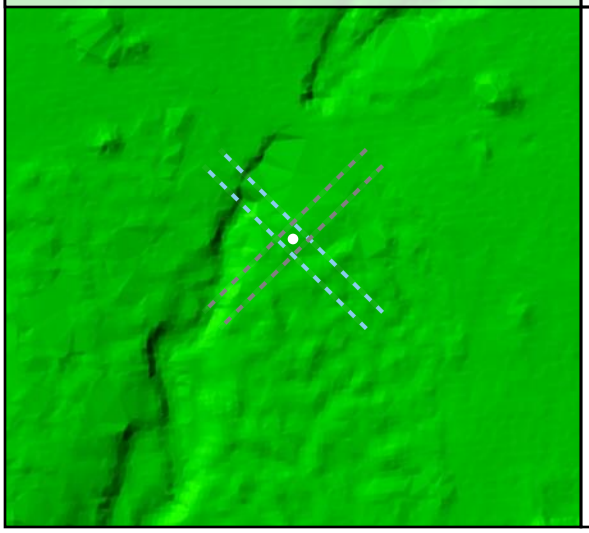
Southeast to Northwest



Intensity Raster



TIN Surface

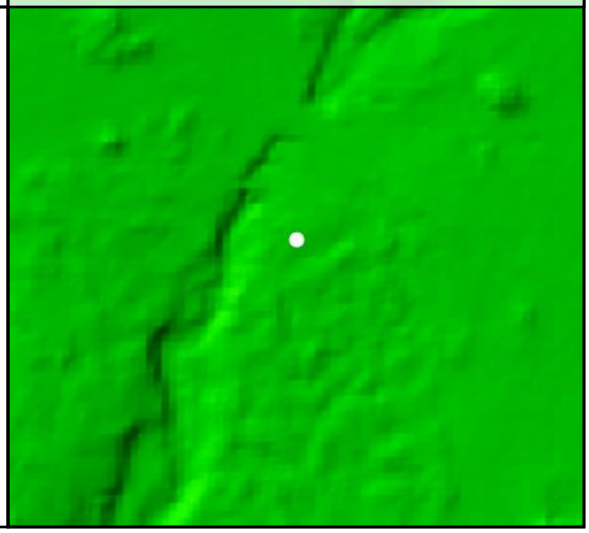


Project Elevation

591.16

110.29

DEM Surface



DEM Dz +0.09 m

VVA - FO12

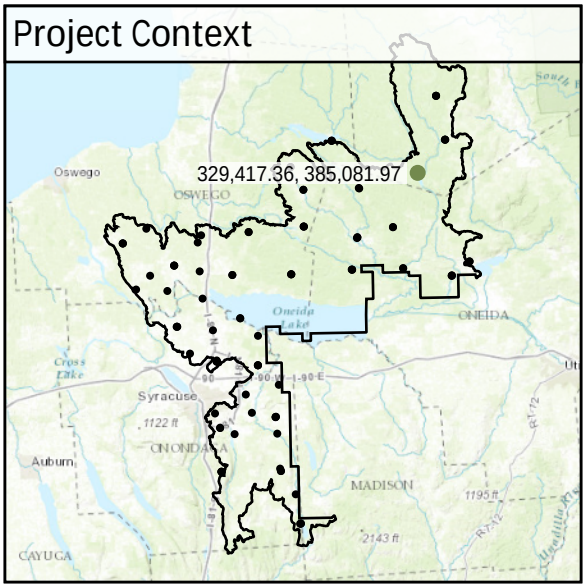
FO13

Known Z	402.08 m	Point Density	1.49 ppsm
DEM Dz	0.12 m	Ground Density	0.88 ppsm
Raw TIN Dz	N/A	Slope	1.43 °

DEM Dz +0.12 m

VVA - FO13

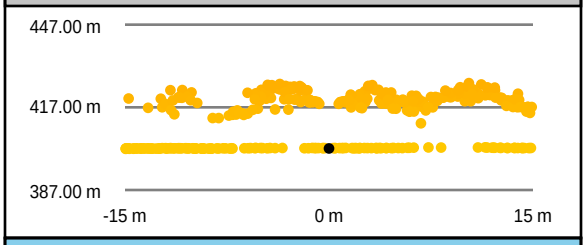
Project Context



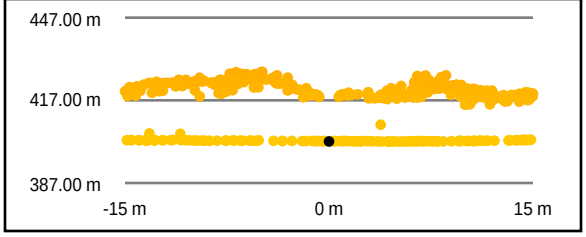
World Imagery



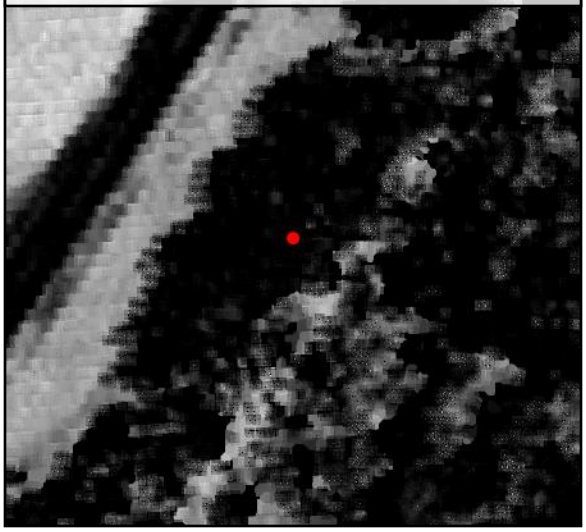
Southeast to Northwest



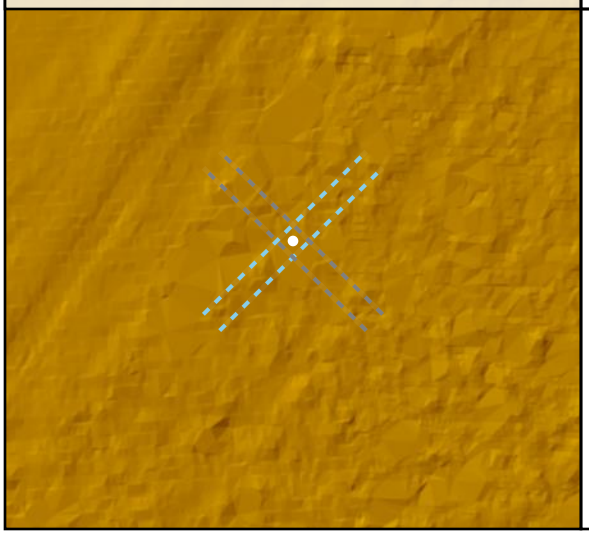
Southwest to Northeast



Intensity Raster



TIN Surface

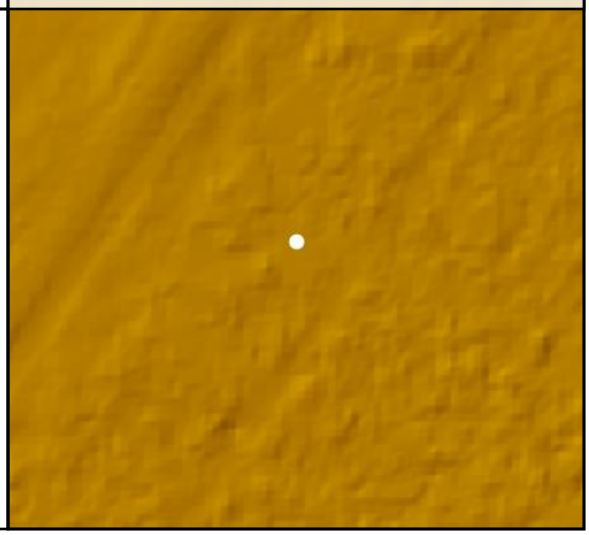


Project Elevation

591.16

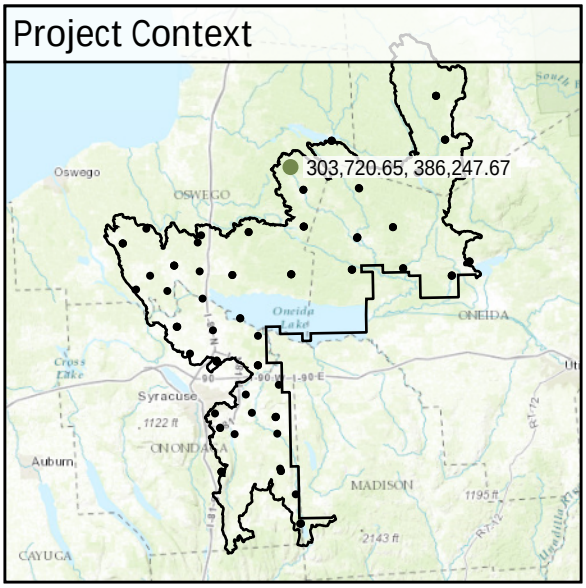
110.29

DEM Surface



FO14				
	Known Z	199.72 m	Point Density	2.48 ppsm
	DEM Dz	0.07 m	Ground Density	1.87 ppsm
	Raw TIN Dz	N/A	Slope	1.07 °

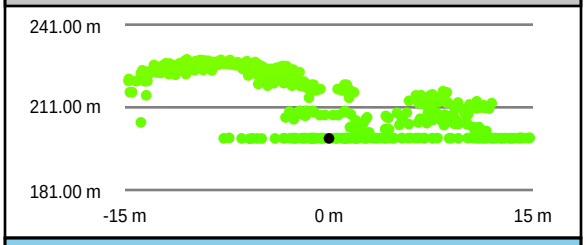
Project Context



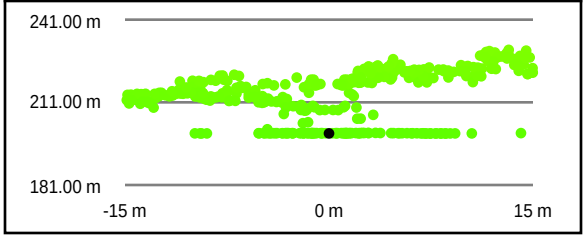
World Imagery



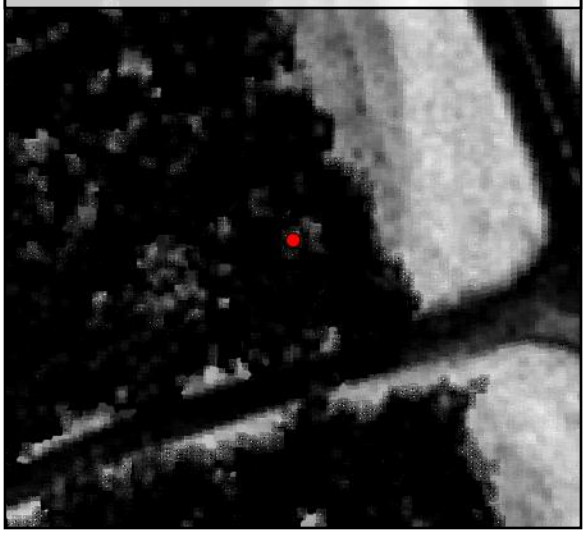
Southwest to Northeast



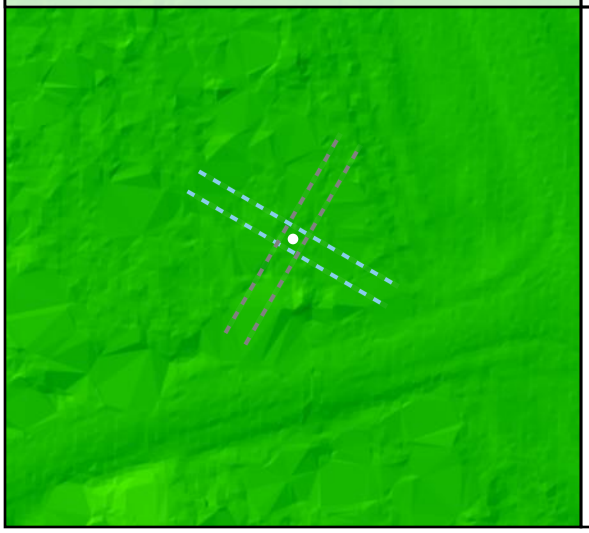
Southeast to Northwest



Intensity Raster



TIN Surface

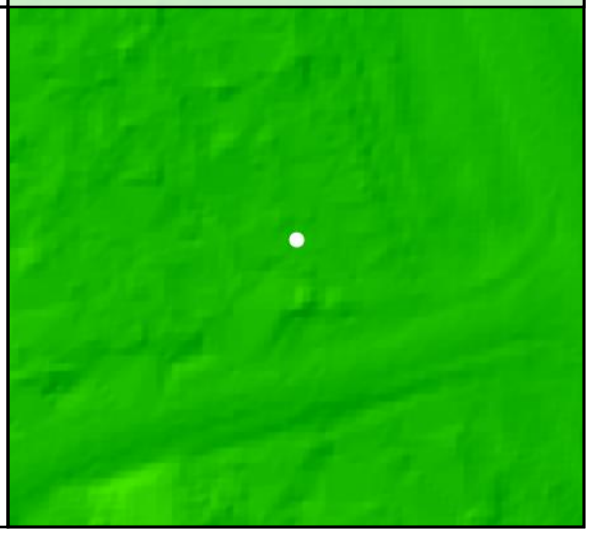


Project Elevation

591.16

110.29

DEM Surface

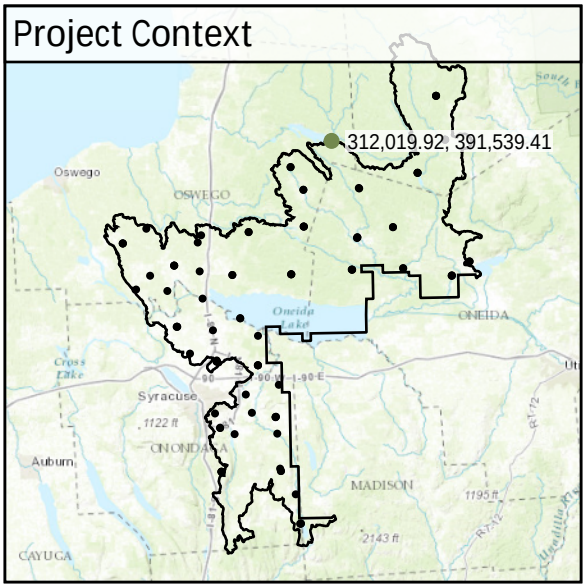


DEM Dz +0.07 m

VVA - FO14

FO15				
	Known Z	285.61 m	Point Density	2.51 ppsm
	DEM Dz	0.03 m	Ground Density	2.72 ppsm
	Raw TIN Dz	N/A	Slope	3.78 °

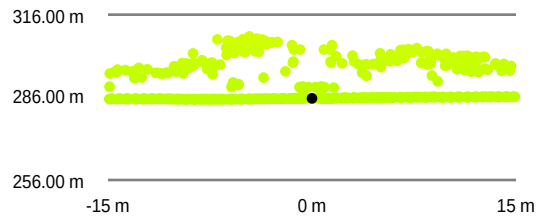
Project Context



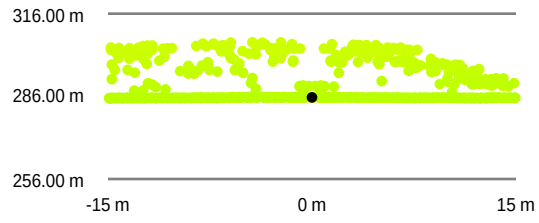
World Imagery



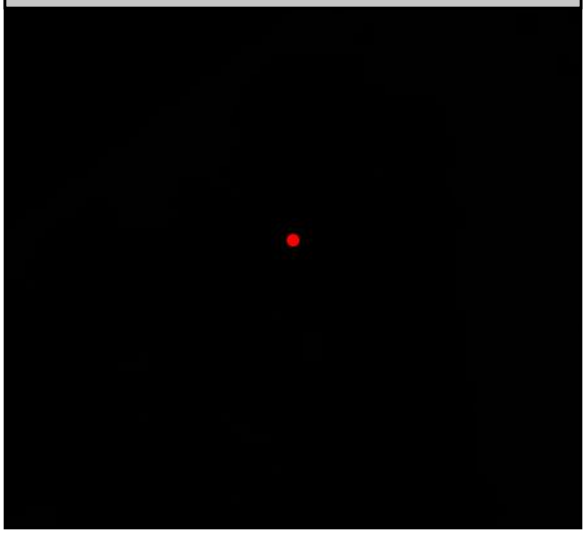
Southeast to Northwest



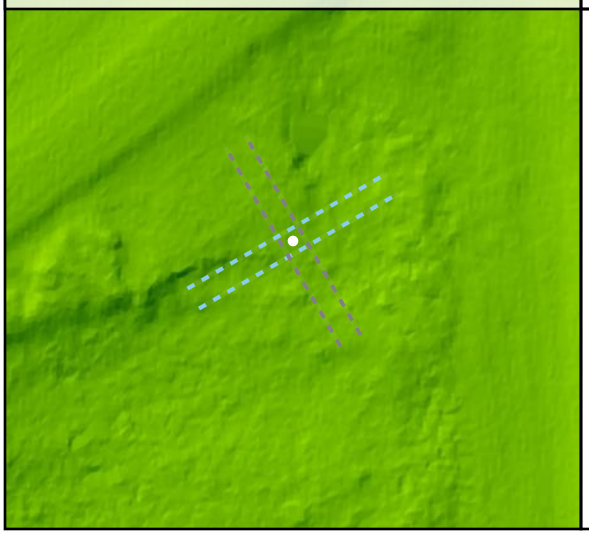
Southwest to Northeast



Intensity Raster



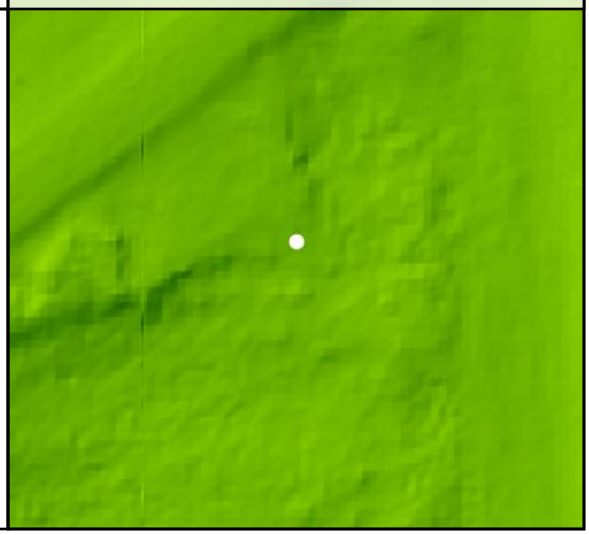
TIN Surface



Project Elevation

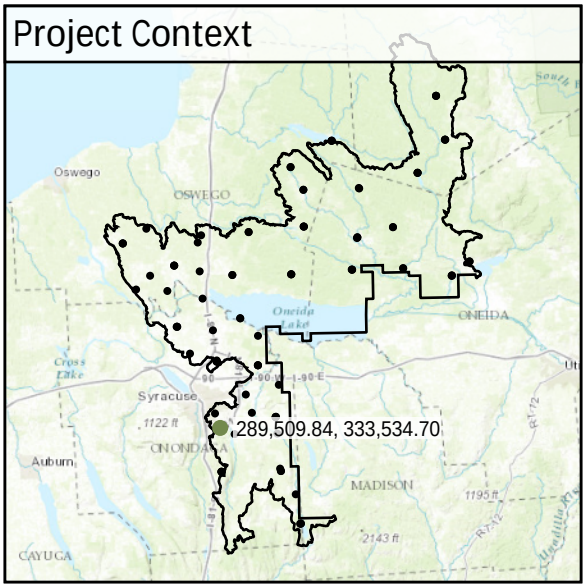


DEM Surface



SH01				
	Known Z	169.07 m	Point Density	2.09 ppsm
	DEM Dz	0.10 m	Ground Density	2.12 ppsm
	Raw TIN Dz	N/A	Slope	7.23 °

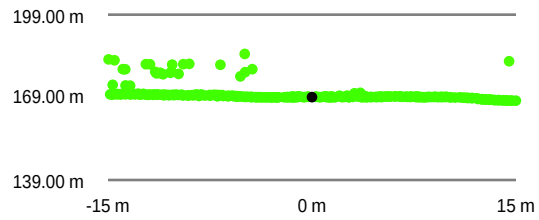
Project Context



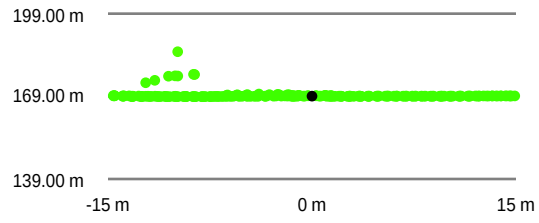
World Imagery



Southwest to Northeast



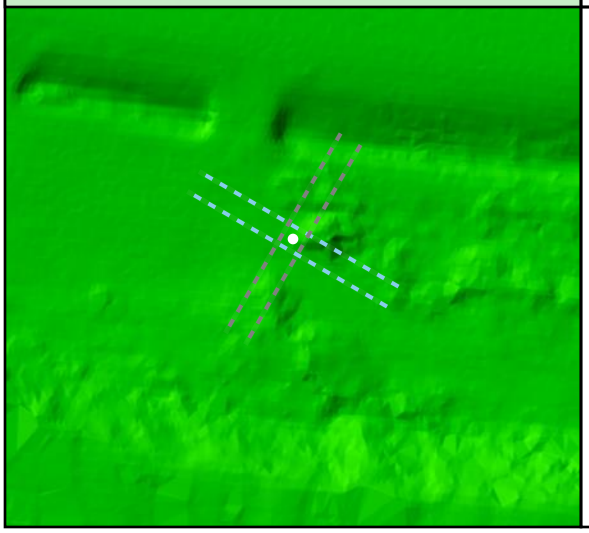
Southeast to Northwest



Intensity Raster



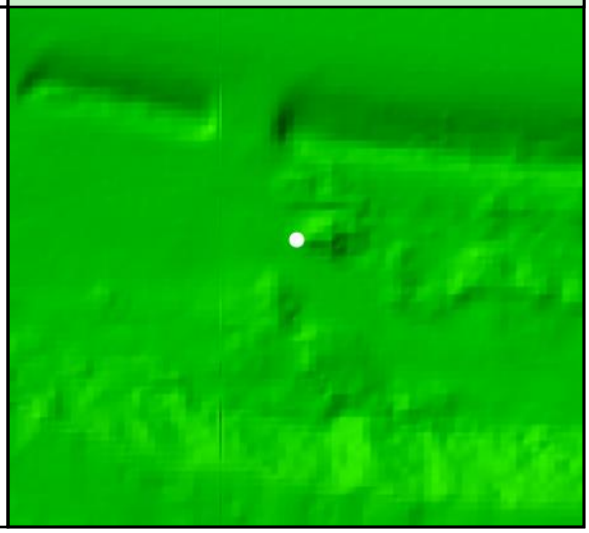
TIN Surface



Project Elevation

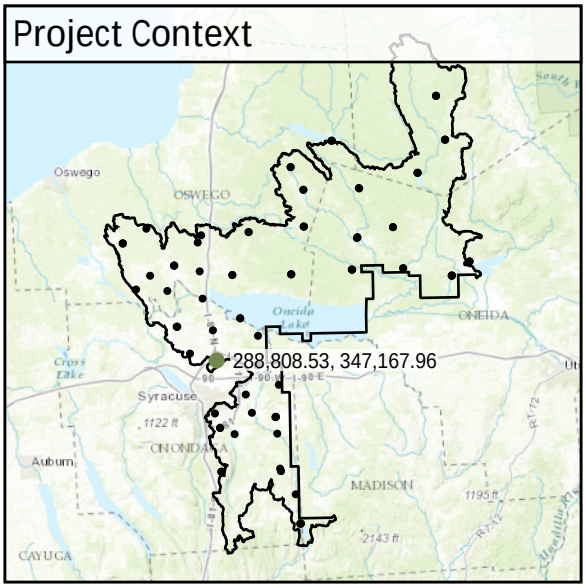


DEM Surface

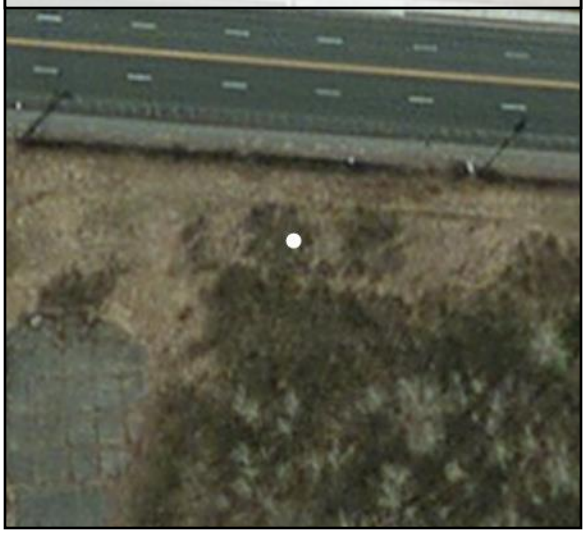


SH02				
	Known Z	124.45 m	Point Density	2.05 ppsm
	DEM Dz	0.07 m	Ground Density	2.05 ppsm
	Raw TIN Dz	N/A	Slope	4.90 °

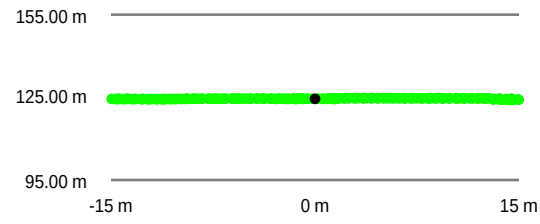
Project Context



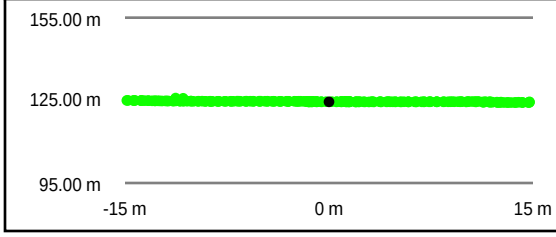
World Imagery



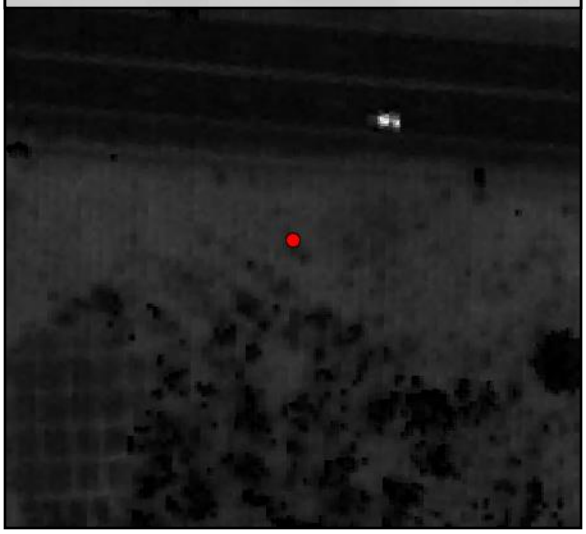
Southeast to Northwest



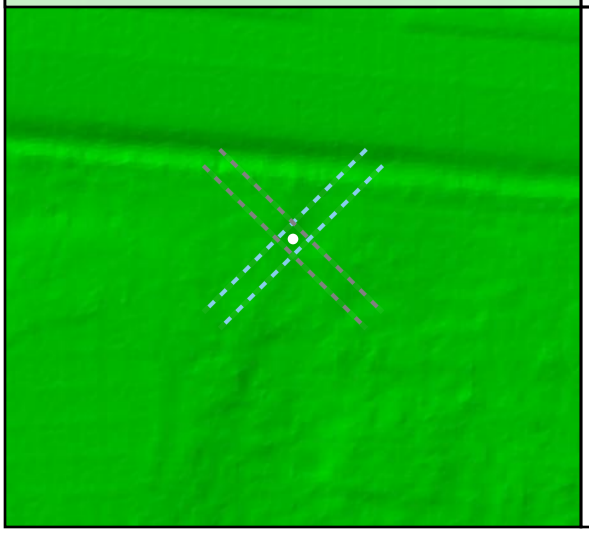
Southwest to Northeast



Intensity Raster



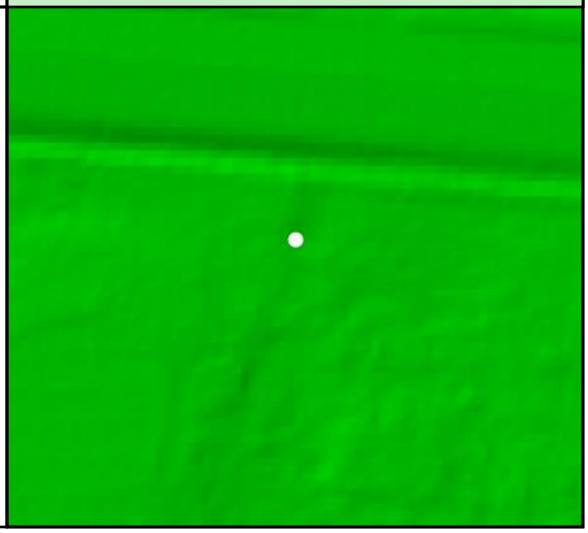
TIN Surface



Project Elevation



DEM Surface

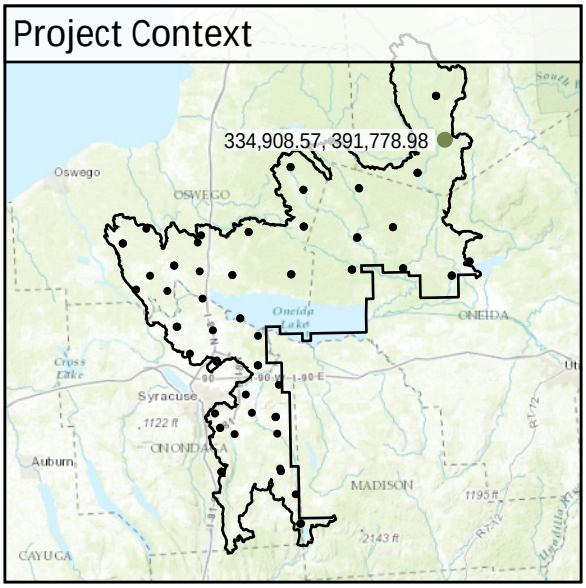


SH03				
	Known Z	493.98 m	Point Density	1.38 ppsm
	DEM Dz	0.08 m	Ground Density	1.13 ppsm
	Raw TIN Dz	N/A	Slope	4.34 °

DEM Dz +0.08 m

VVA - SH03

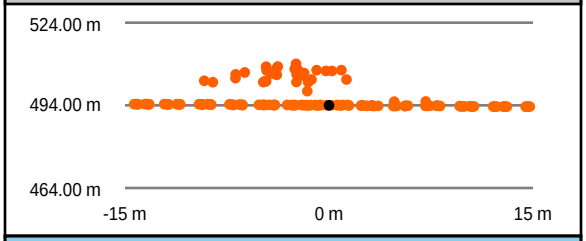
Project Context



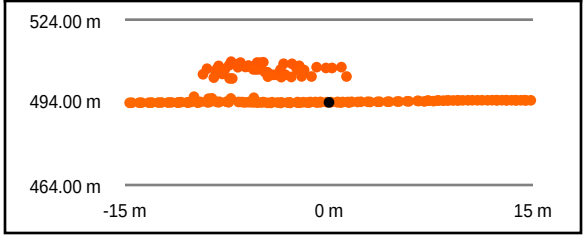
World Imagery



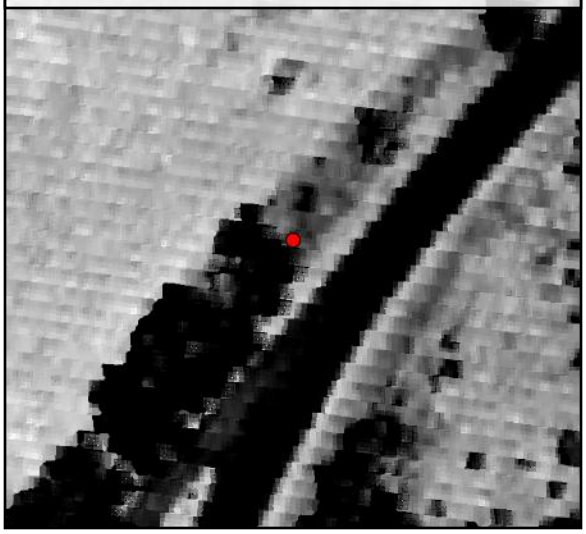
South to North



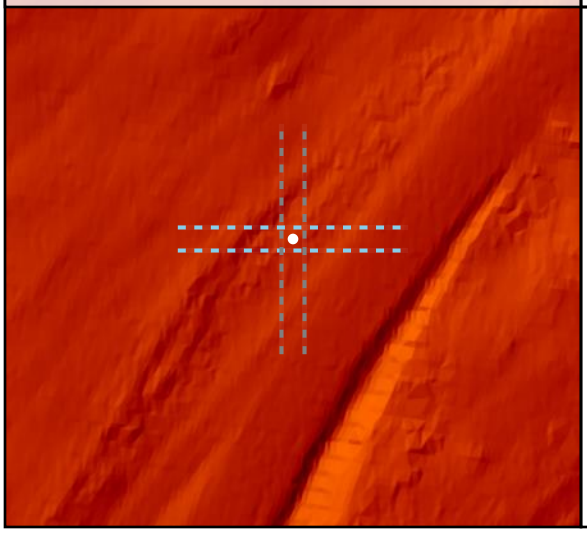
West to East



Intensity Raster



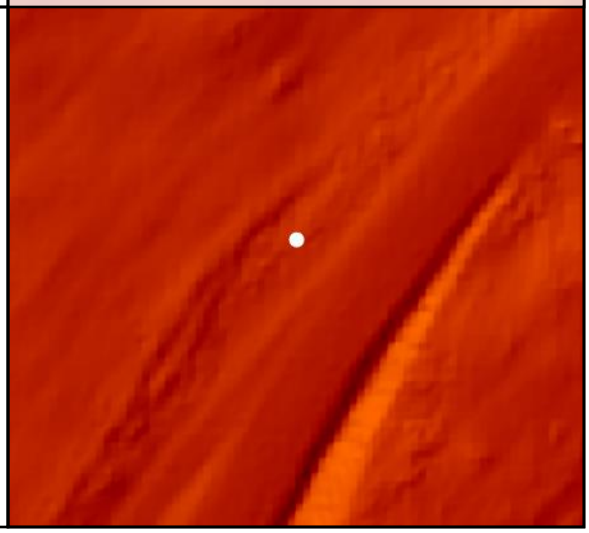
TIN Surface



Project Elevation

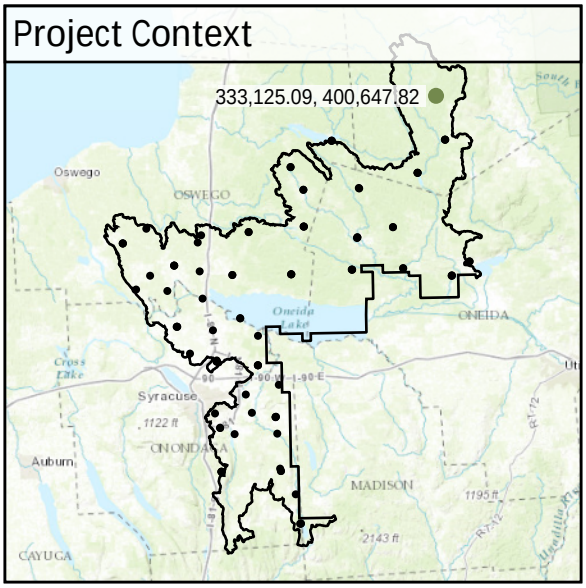


DEM Surface



SH04				
	Known Z	541.01 m	Point Density	1.95 ppsm
	DEM Dz	0.08 m	Ground Density	1.66 ppsm
	Raw TIN Dz	N/A	Slope	2.43 °

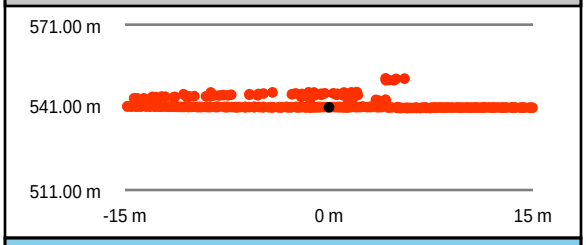
Project Context



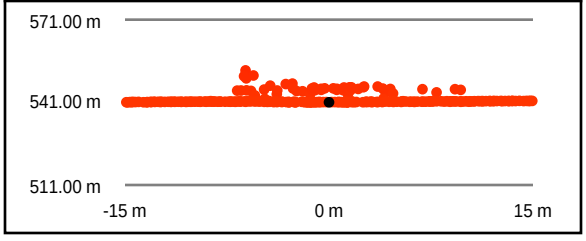
World Imagery



Southwest to Northeast



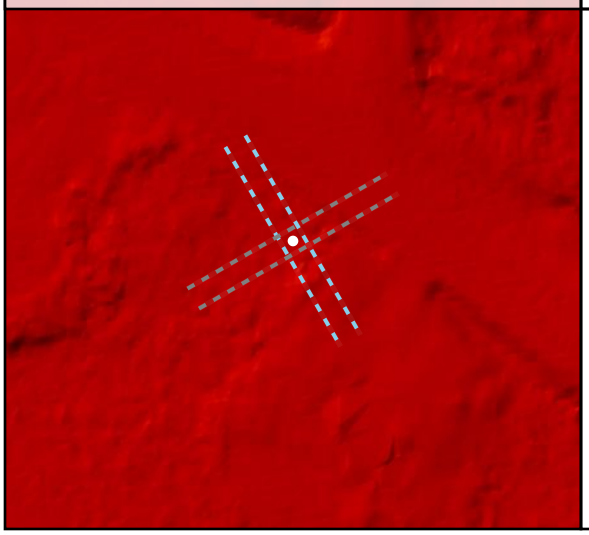
Southeast to Northwest



Intensity Raster



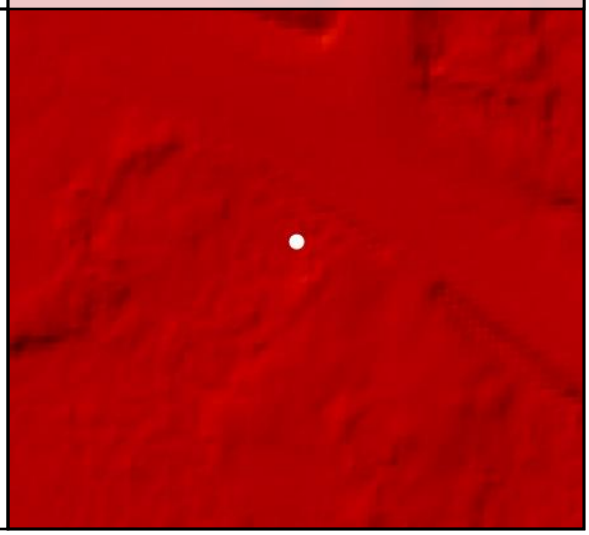
TIN Surface



Project Elevation

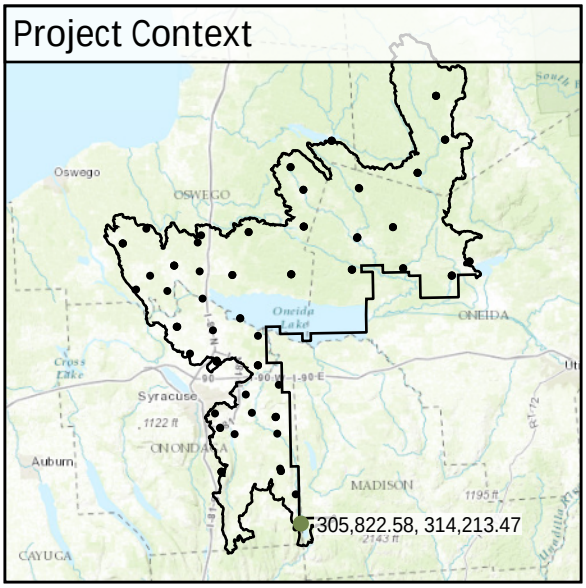


DEM Surface



TW01				
	Known Z	393.79 m	Point Density	1.70 ppsm
	DEM Dz	0.08 m	Ground Density	1.70 ppsm
	Raw TIN Dz	N/A	Slope	2.29 °

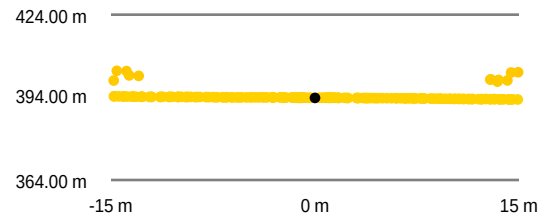
Project Context



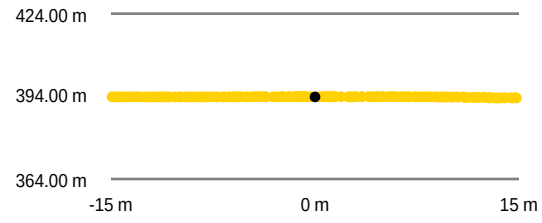
World Imagery



Southwest to Northeast



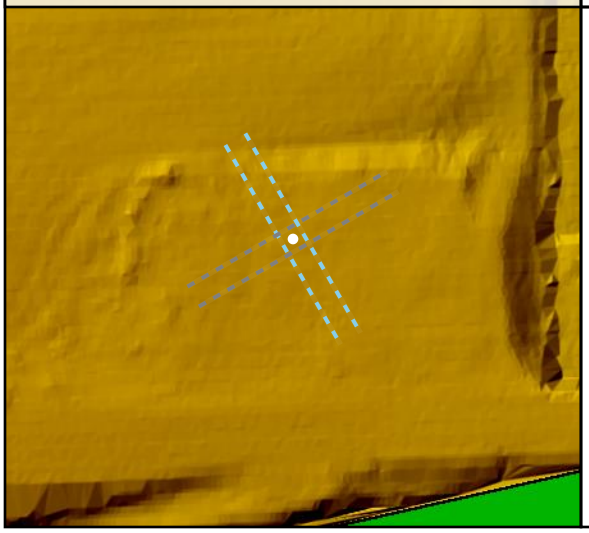
Southeast to Northwest



Intensity Raster



TIN Surface

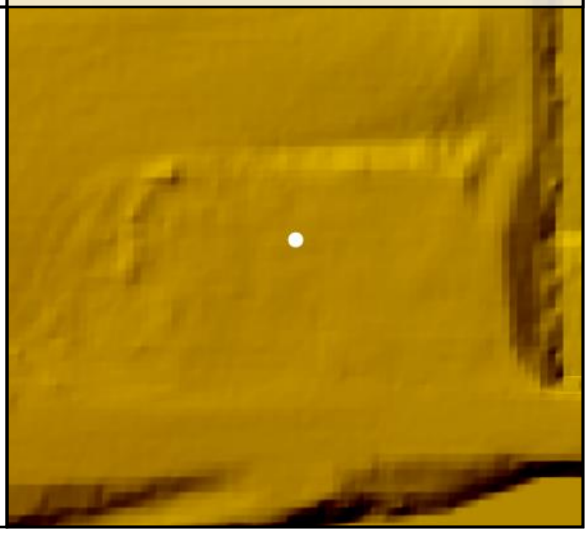


Project Elevation

591.16

110.29

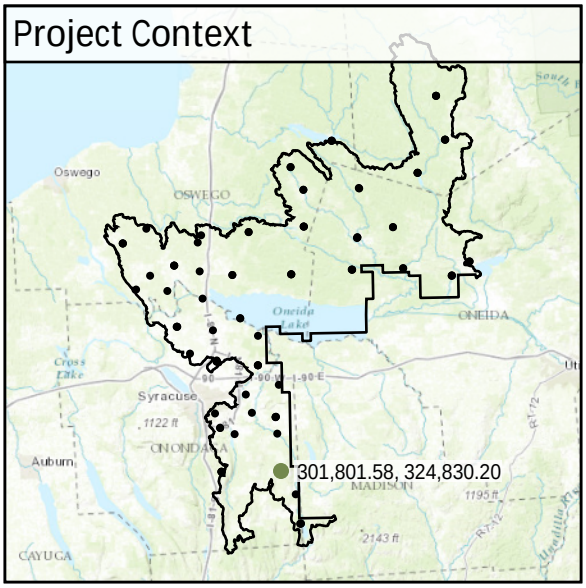
DEM Surface



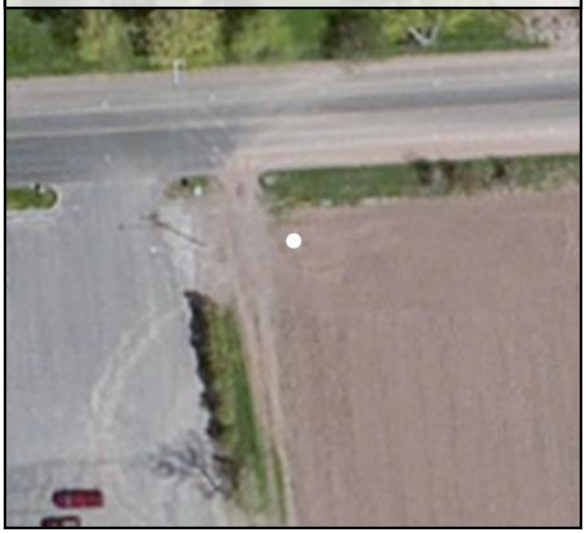
TW02

Known Z	379.81 m	Point Density	1.63 ppsm
DEM Dz	0.10 m	Ground Density	1.63 ppsm
Raw TIN Dz	N/A	Slope	2.32 °

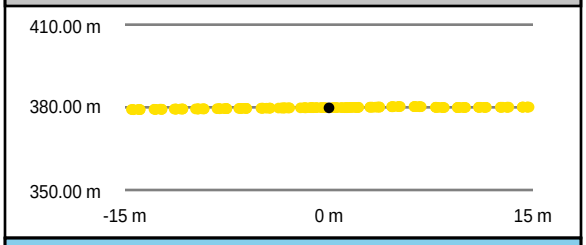
Project Context



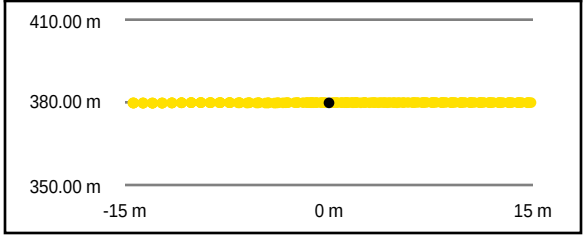
World Imagery



South to North



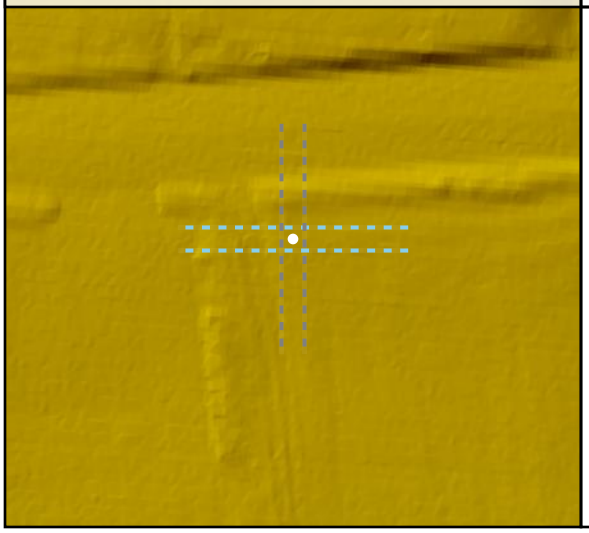
West to East



Intensity Raster



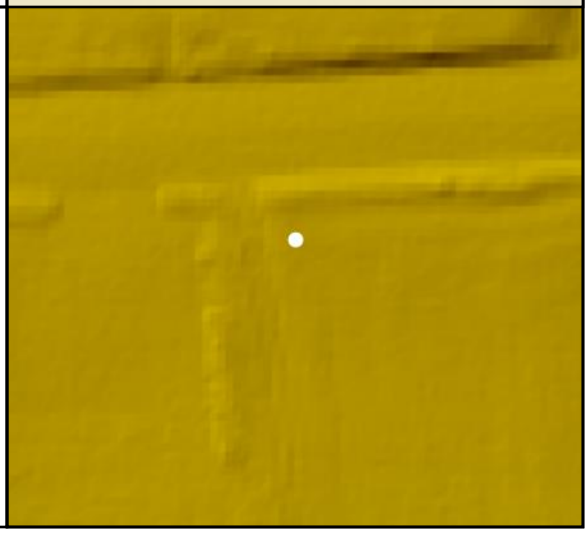
TIN Surface



Project Elevation



DEM Surface

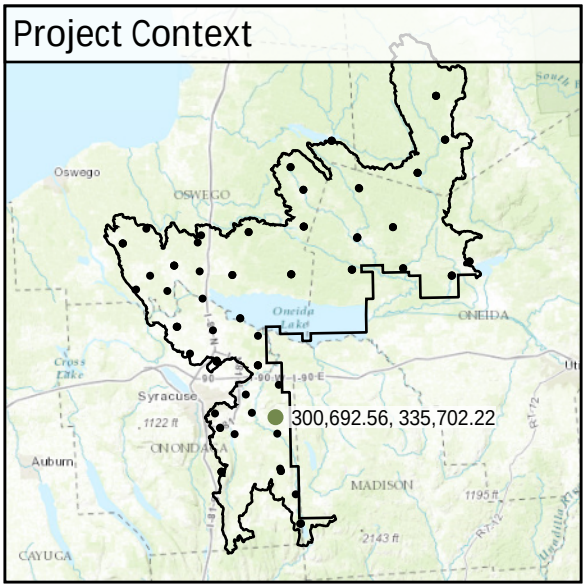


DEM Dz +0.10 m

VVA - TW02

TW03				
	Known Z	256.64 m	Point Density	1.84 ppsm
	DEM Dz	0.12 m	Ground Density	1.84 ppsm
	Raw TIN Dz	N/A	Slope	0.28 °

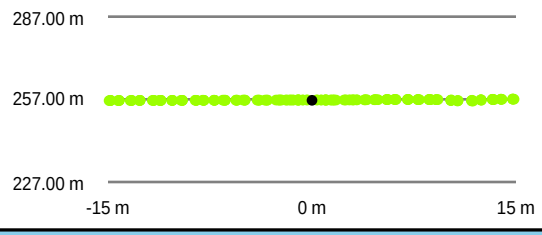
Project Context



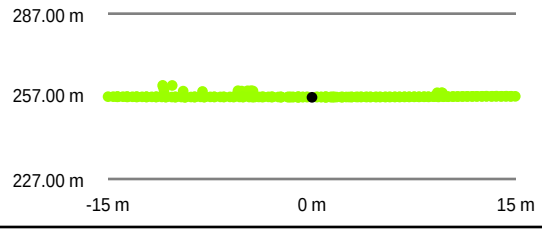
World Imagery



South to North



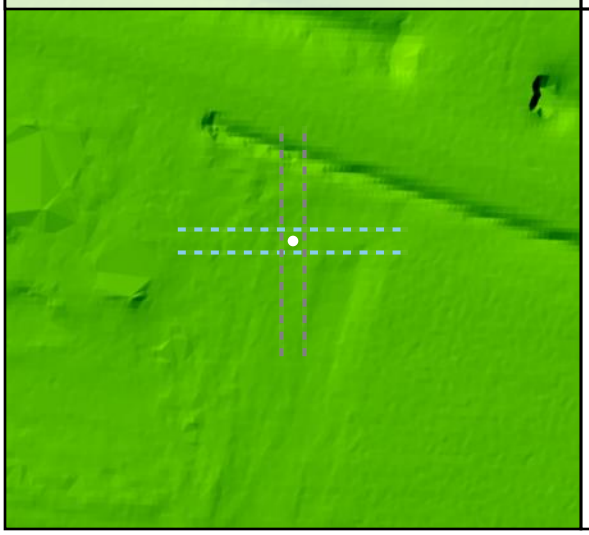
West to East



Intensity Raster



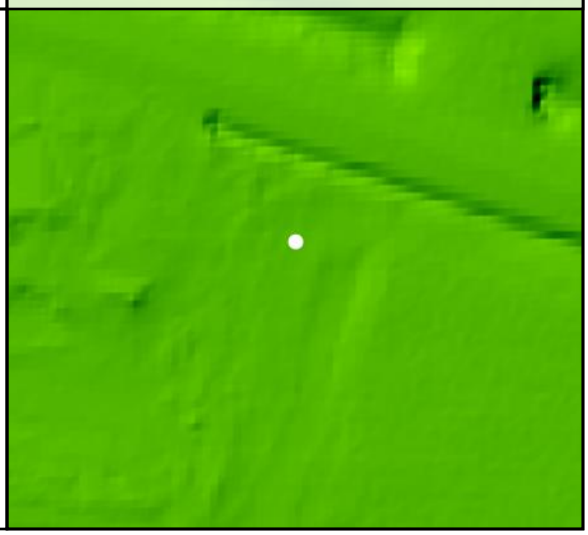
TIN Surface



Project Elevation

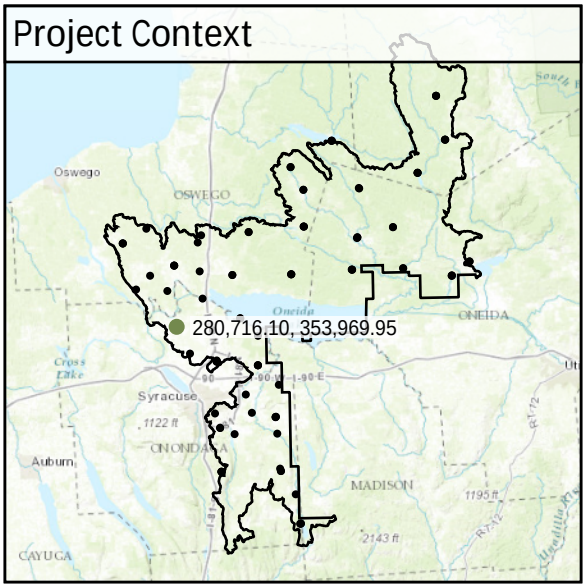


DEM Surface



TW04				
	Known Z	120.07 m	Point Density	1.66 ppsm
	DEM Dz	0.00 m	Ground Density	1.66 ppsm
	Raw TIN Dz	N/A	Slope	1.98 °

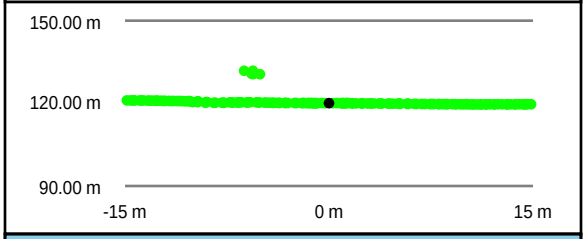
Project Context



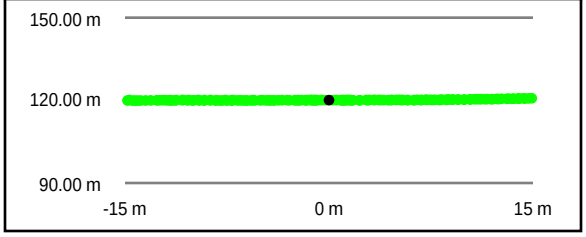
World Imagery



Southeast to Northwest



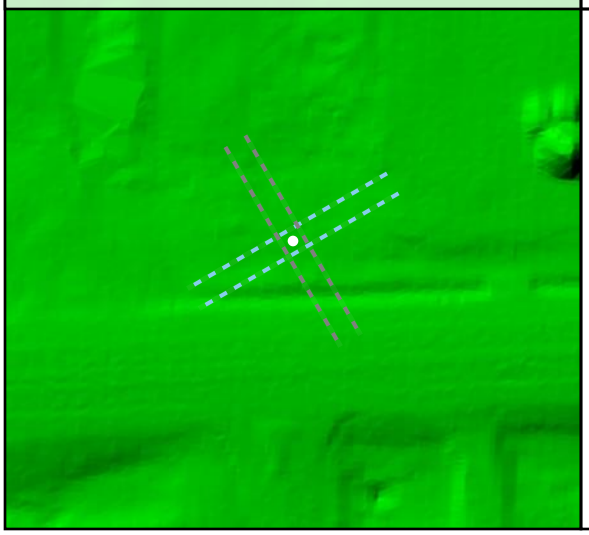
Southwest to Northeast



Intensity Raster



TIN Surface

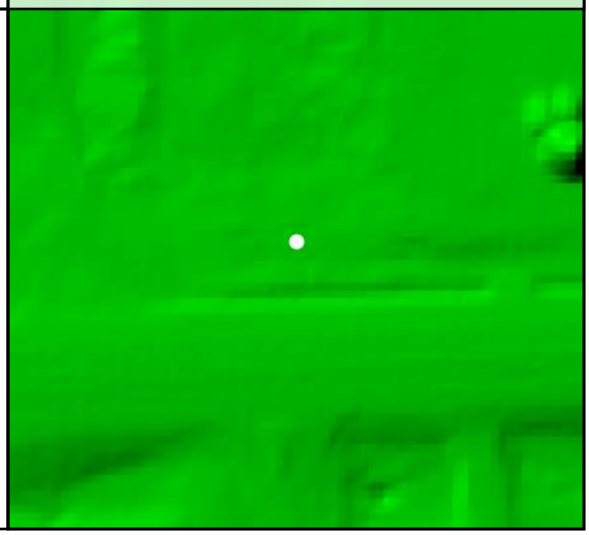


Project Elevation

591.16

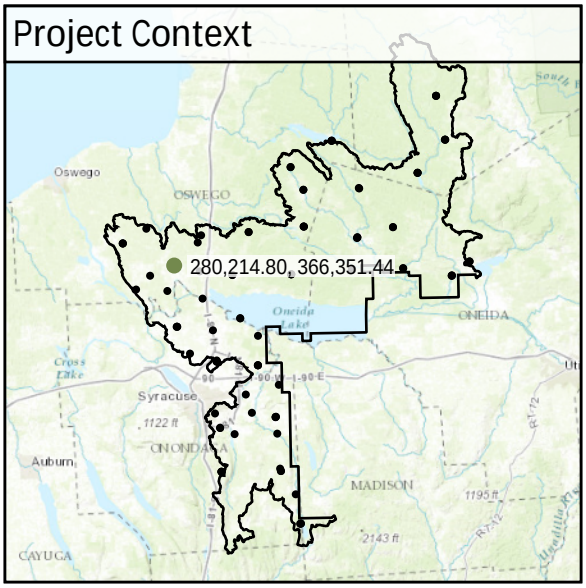
110.29

DEM Surface



TW05				
	Known Z	129.85 m	Point Density	1.84 ppsm
	DEM Dz	0.04 m	Ground Density	1.84 ppsm
	Raw TIN Dz	N/A	Slope	2.77 °

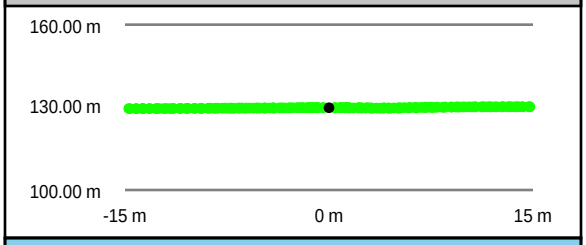
Project Context



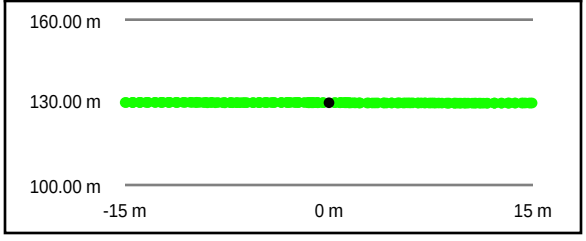
World Imagery



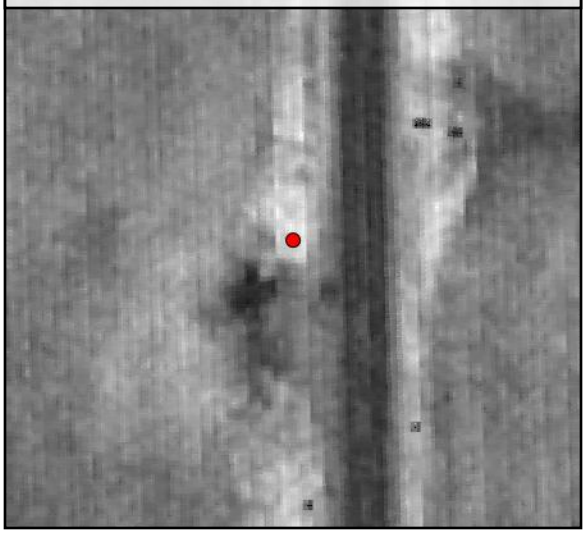
Southwest to Northeast



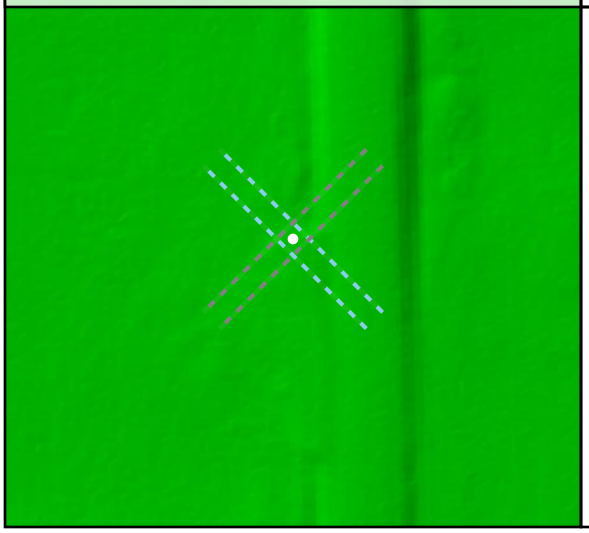
Southeast to Northwest



Intensity Raster



TIN Surface

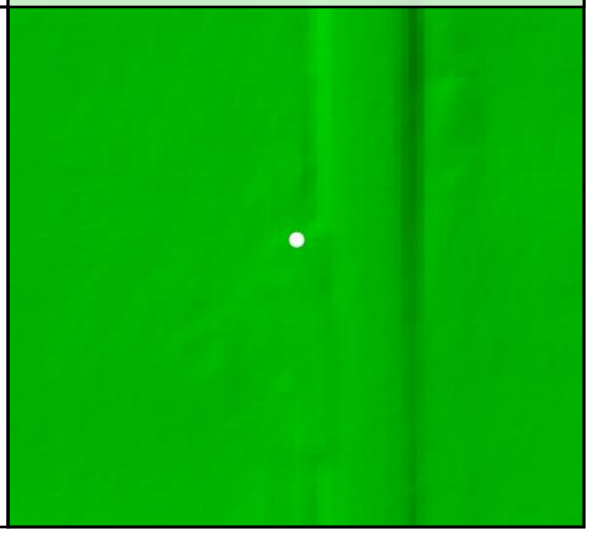


Project Elevation

591.16

110.29

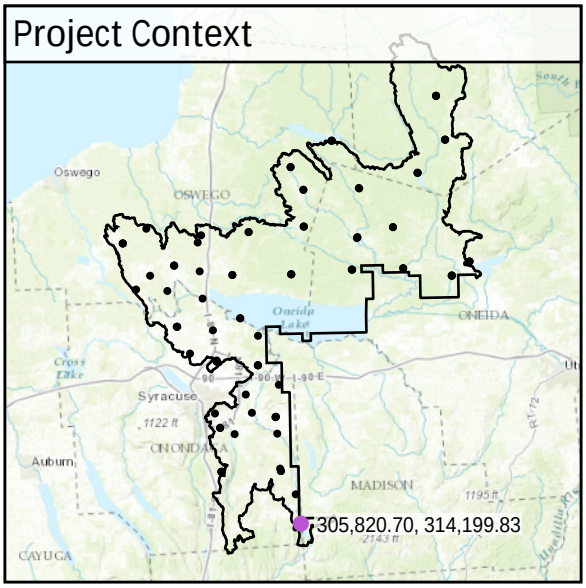
DEM Surface



CA01

Known Z	393.87 m	Point Density	1.66 ppsm
DEM Dz	0.00 m	Ground Density	1.66 ppsm
Raw TIN Dz	0.01 m	Slope	1.70 °

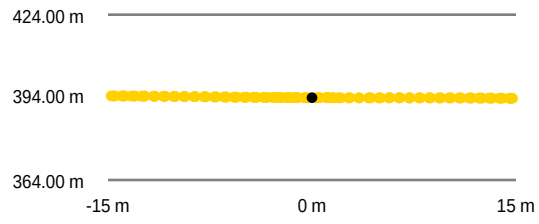
Project Context



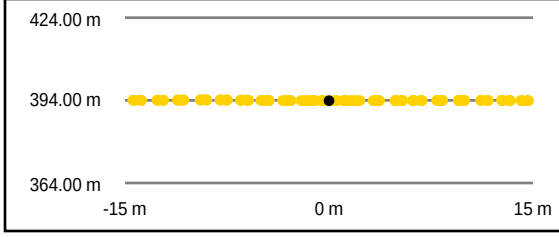
World Imagery



West to East



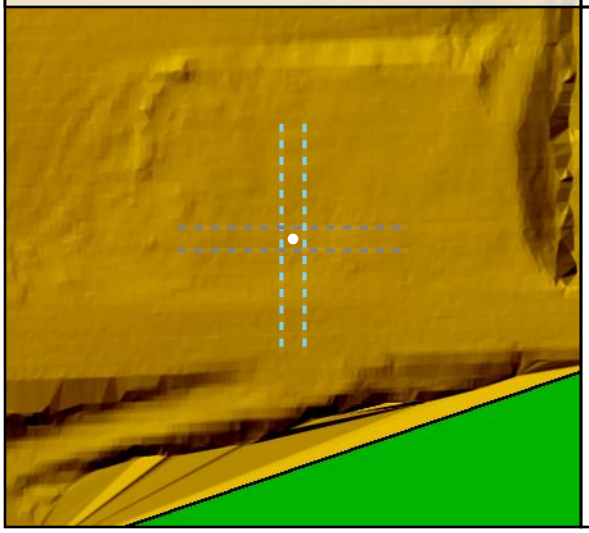
South to North



Intensity Raster



TIN Surface

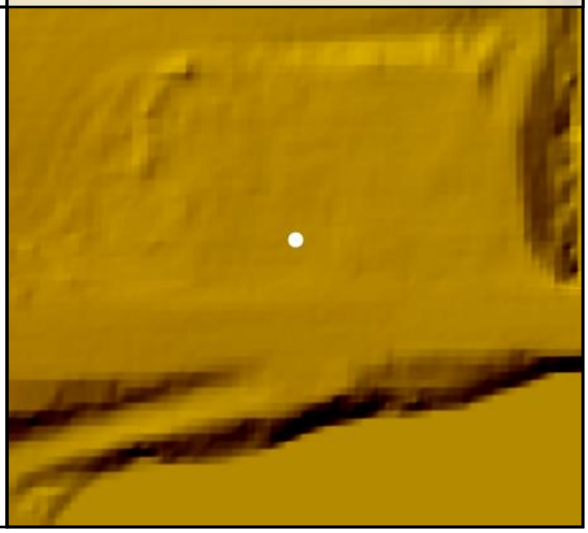


Project Elevation

591.16

110.29

DEM Surface



DEM Dz +0.00 m

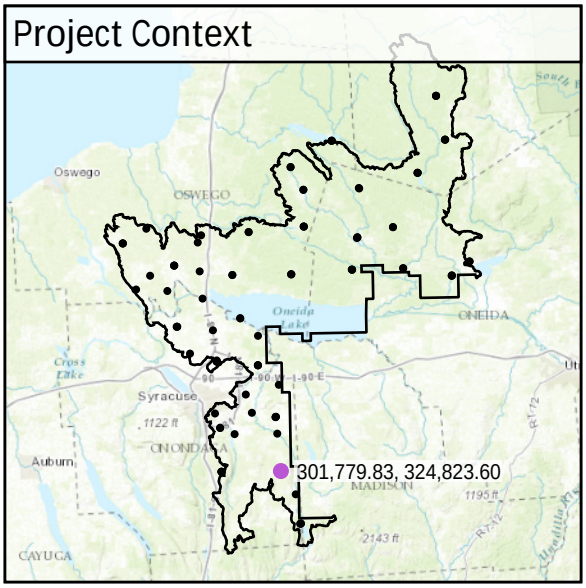
CAL - CA01

Raw TIN Dz +0.01 m

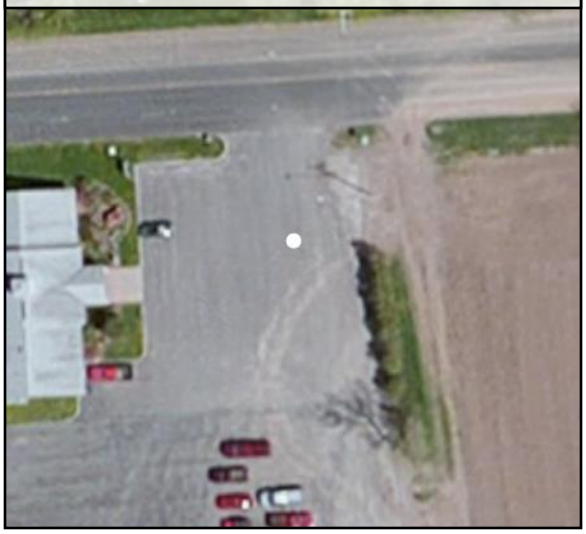
CA02

Known Z	379.56 m	Point Density	1.73 ppsm
DEM Dz	0.02 m	Ground Density	1.73 ppsm
Raw TIN Dz	0.01 m	Slope	2.55 °

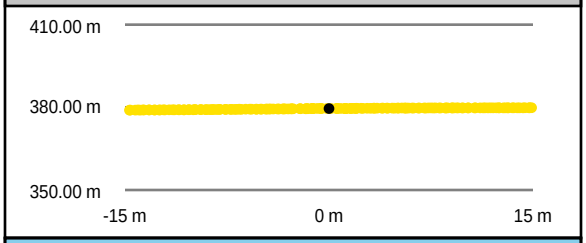
Project Context



World Imagery



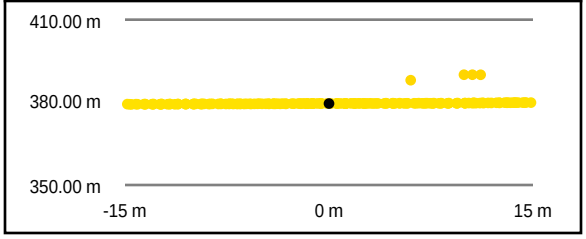
Southeast to Northwest



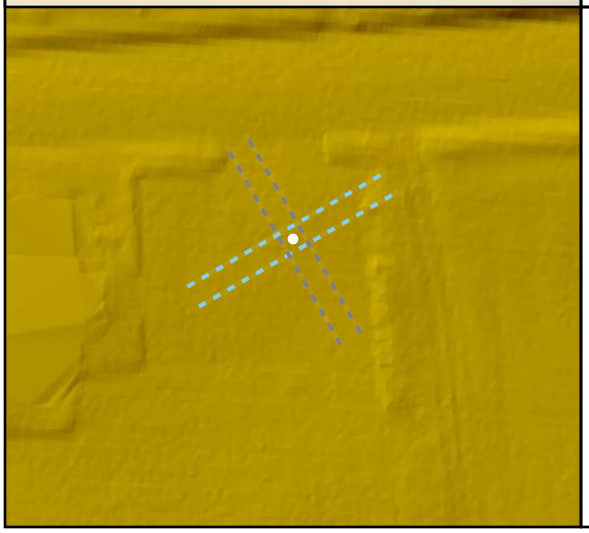
Intensity Raster



Southwest to Northeast



TIN Surface

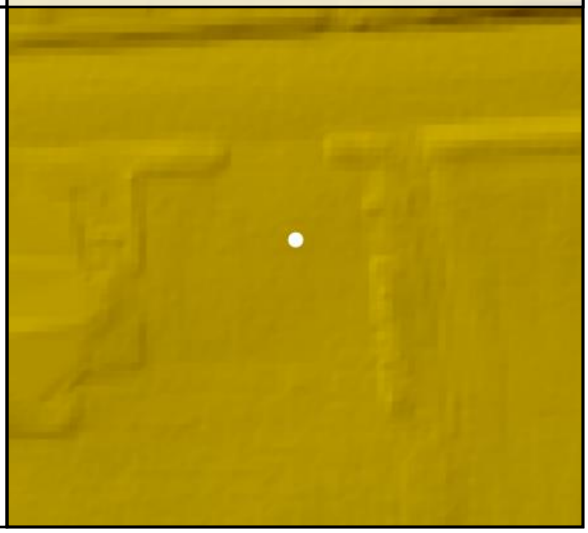


Project Elevation

591.16

110.29

DEM Surface



DEM Dz +0.02 m

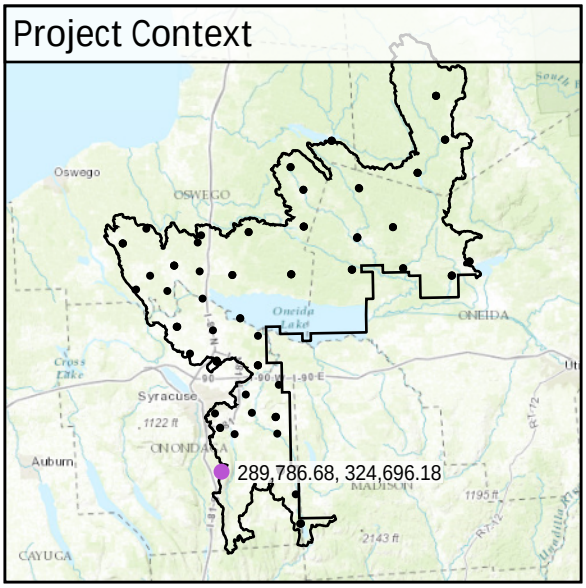
CAL - CA02

Raw TIN Dz +0.01 m

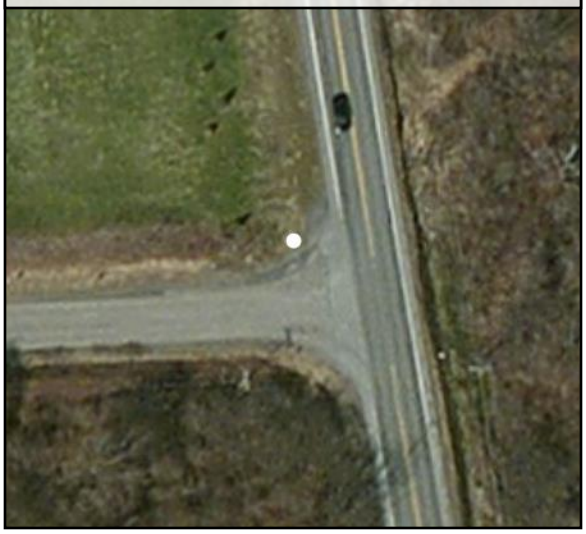
CA04

Known Z	398.92 m	Point Density	2.09 ppsm
DEM Dz	Outside of AOI	Ground Density	2.09 ppsm
Raw TIN Dz	0.06 m	Slope	Outside of AOI

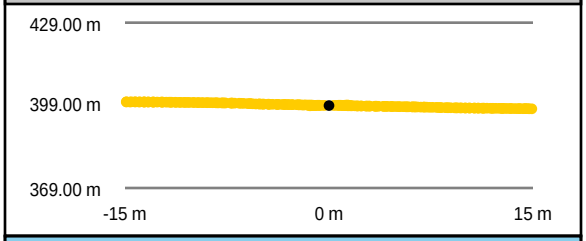
Project Context



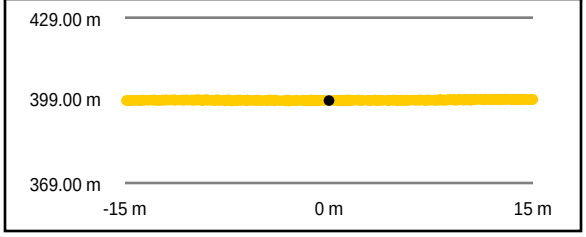
World Imagery



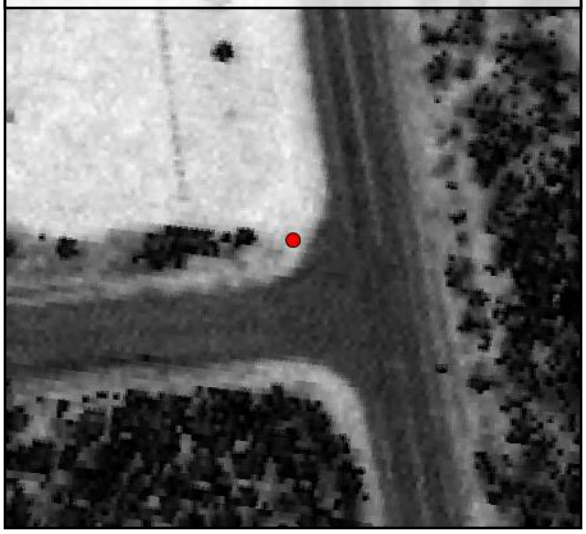
Southeast to Northwest



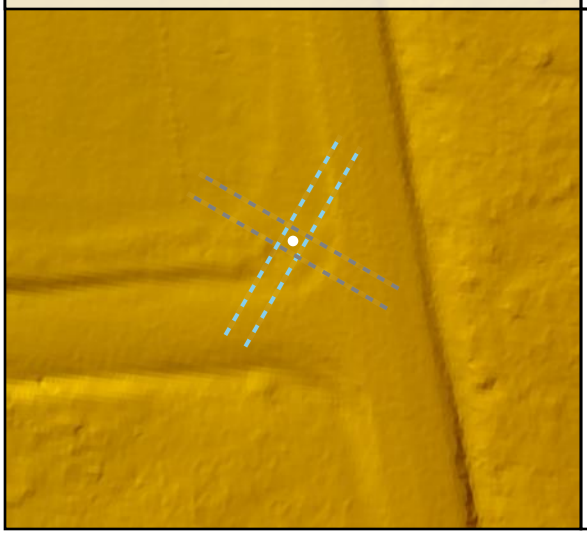
Southwest to Northeast



Intensity Raster



TIN Surface



Project Elevation

591.16

110.29

DEM Surface

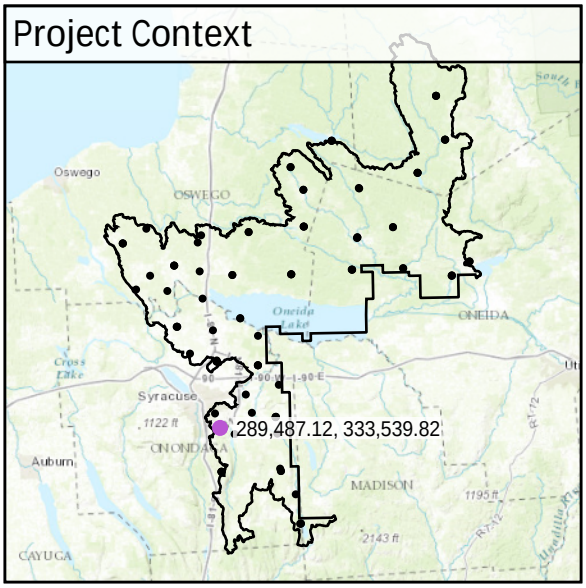
Outside of AOI

CAL - CA04

Raw TIN Dz +0.06 m

CA05				
	Known Z	169.39 m	Point Density	2.09 ppsm
	DEM Dz	-0.05 m	Ground Density	2.09 ppsm
	Raw TIN Dz	-0.05 m	Slope	1.12 °

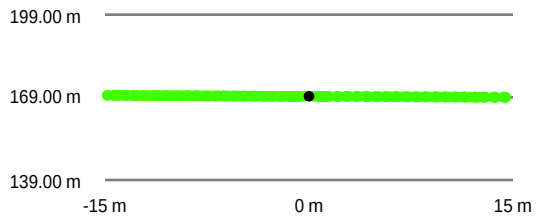
Project Context



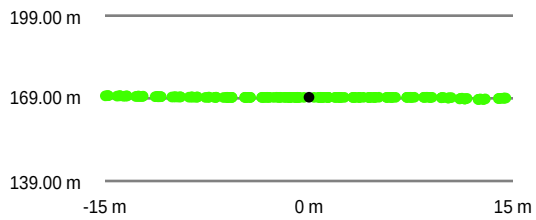
World Imagery



West to East



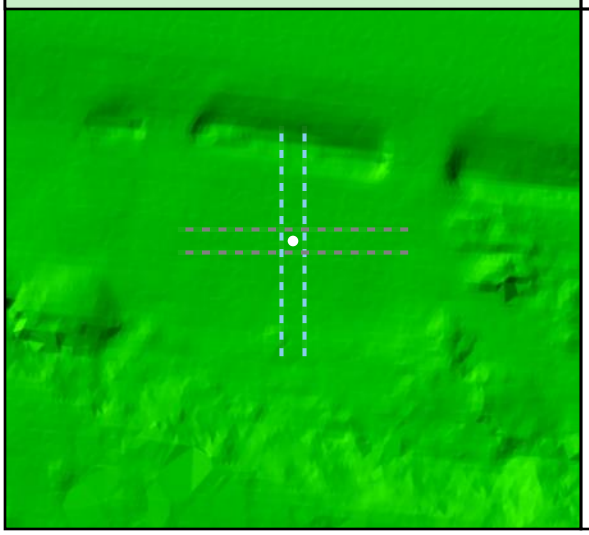
South to North



Intensity Raster



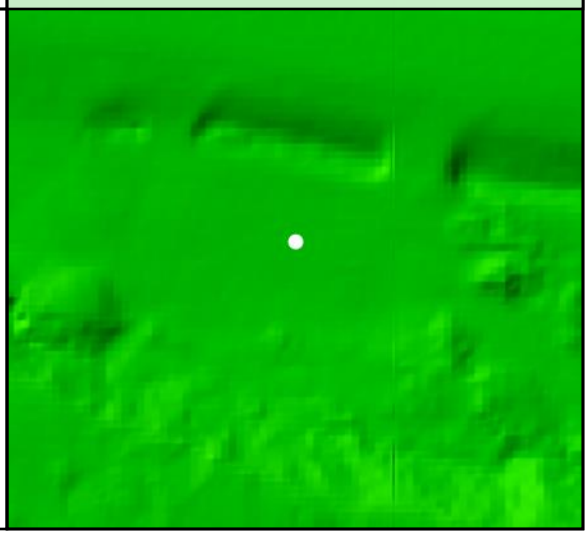
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.05 m

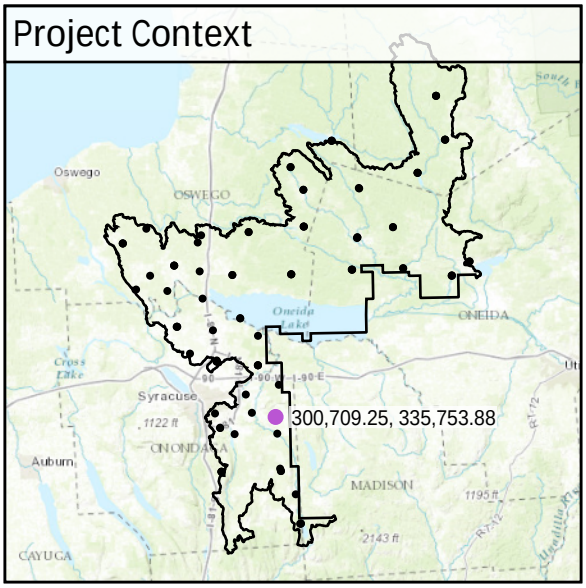
CAL - CA05

Raw TIN Dz -0.05 m

CA06

Known Z	256.90 m	Point Density	1.91 ppsm
DEM Dz	0.08 m	Ground Density	1.91 ppsm
Raw TIN Dz	0.08 m	Slope	0.25 °

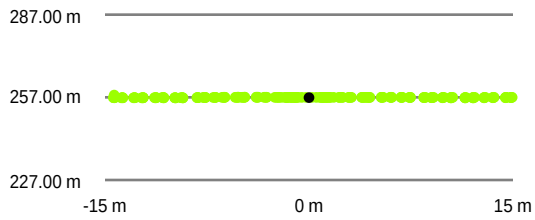
Project Context



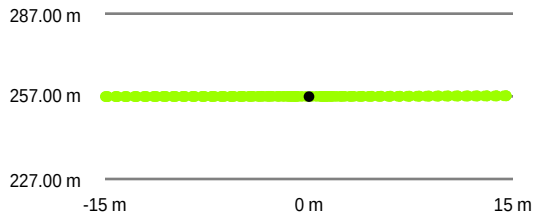
World Imagery



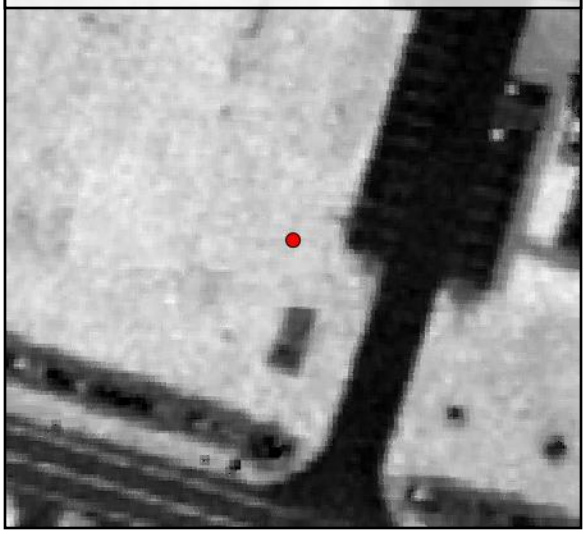
South to North



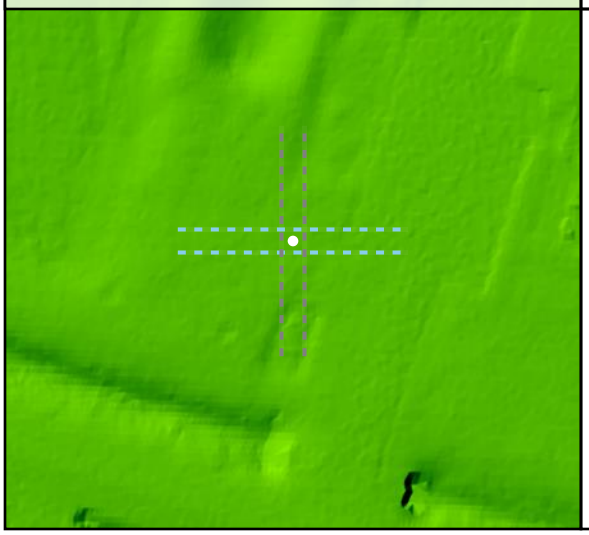
West to East



Intensity Raster



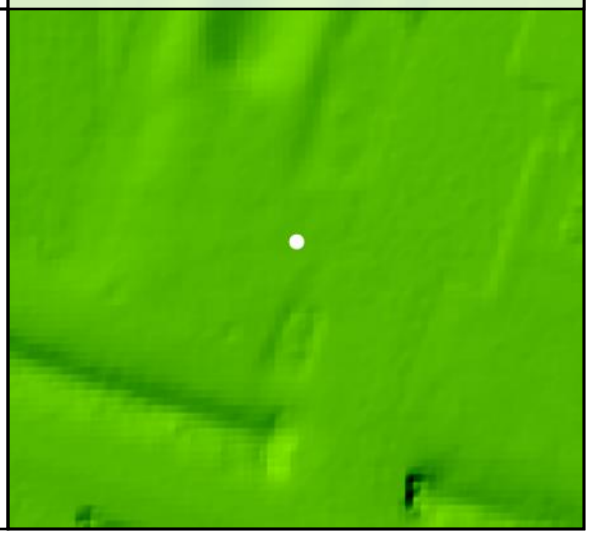
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.08 m

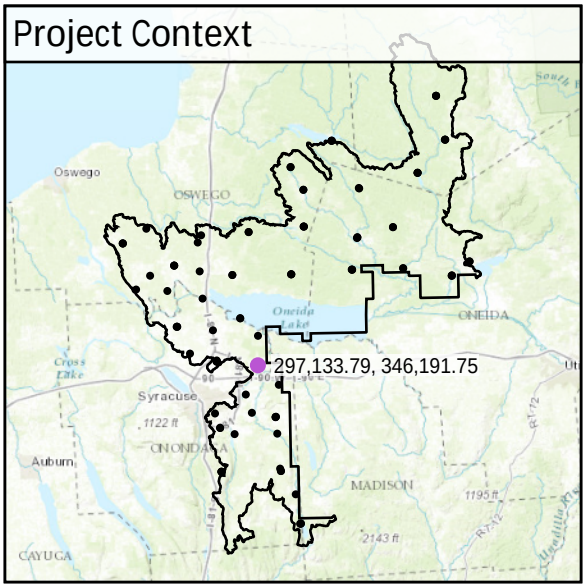
CAL - CA06

Raw TIN Dz +0.08 m

CA07

Known Z	127.66 m	Point Density	1.80 ppsm
DEM Dz	-0.06 m	Ground Density	1.80 ppsm
Raw TIN Dz	-0.07 m	Slope	2.30 °

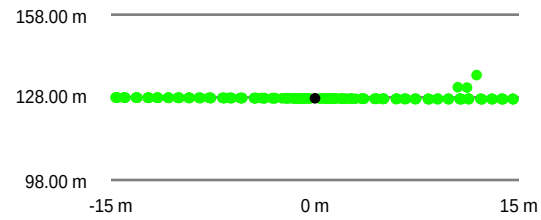
Project Context



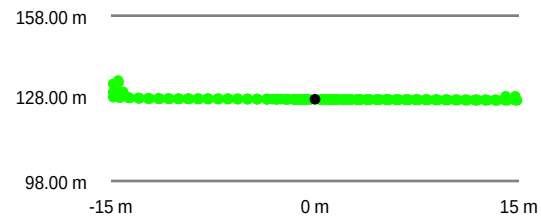
World Imagery



South to North



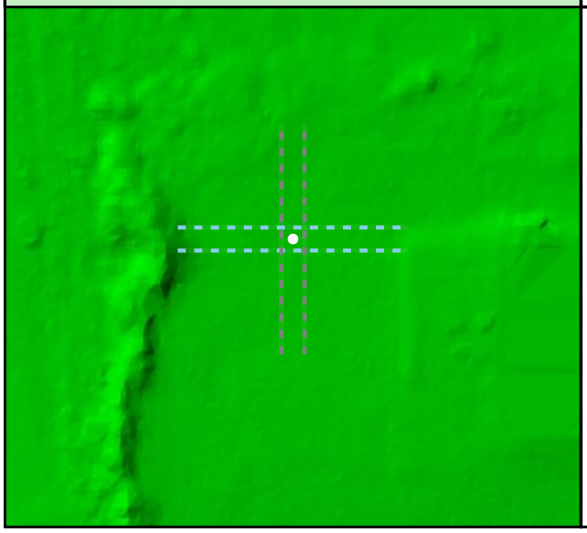
West to East



Intensity Raster



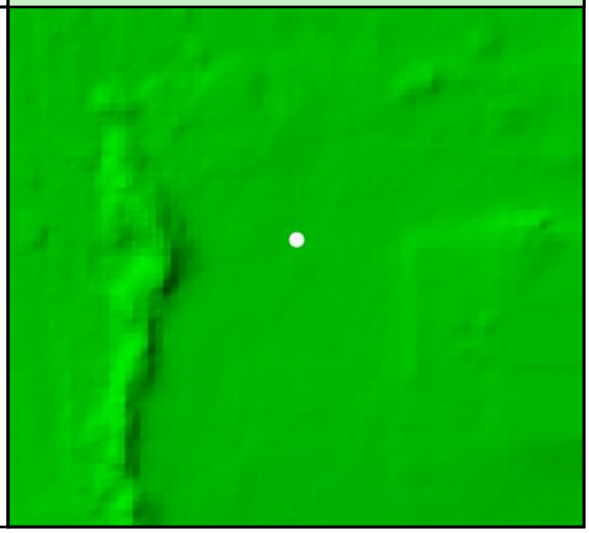
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.06 m

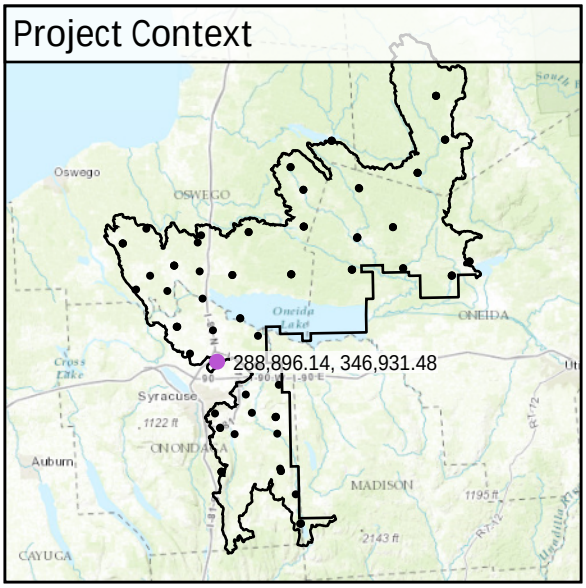
CAL - CA07

Raw TIN Dz -0.07 m

CA08

Known Z	125.02 m	Point Density	2.23 ppsm
DEM Dz	0.03 m	Ground Density	2.23 ppsm
Raw TIN Dz	0.03 m	Slope	0.48 °

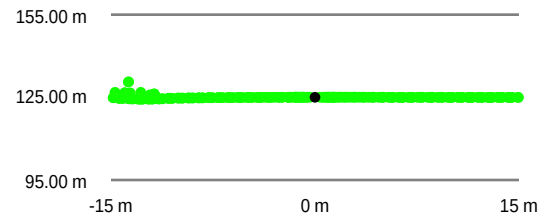
Project Context



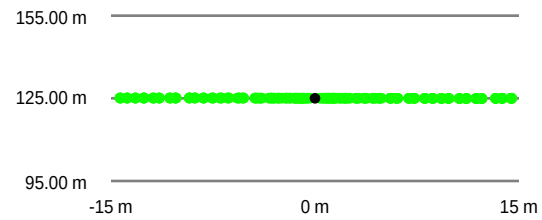
World Imagery



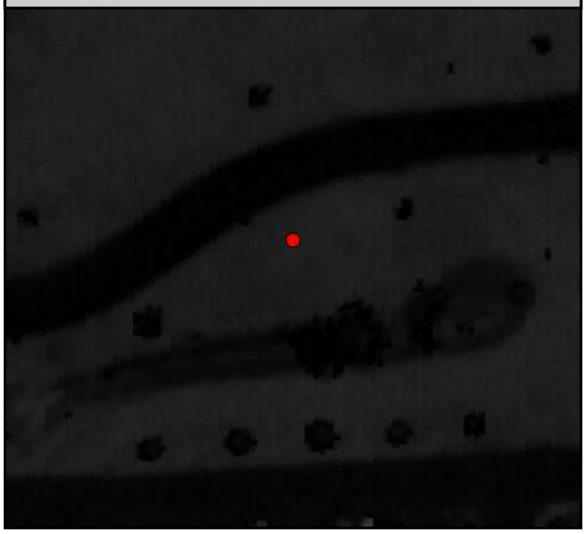
South to North



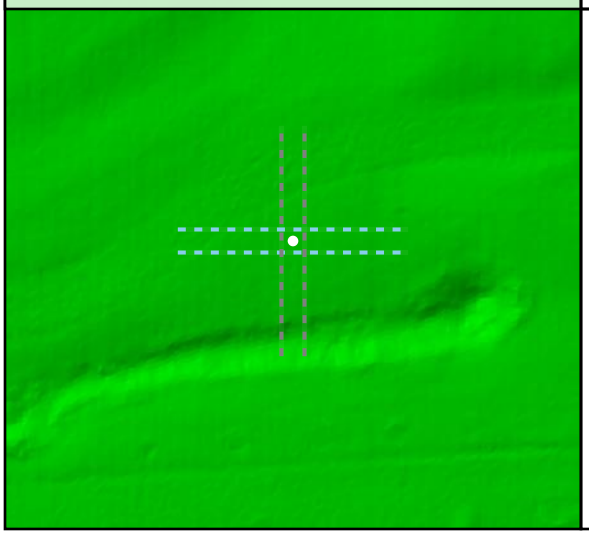
West to East



Intensity Raster



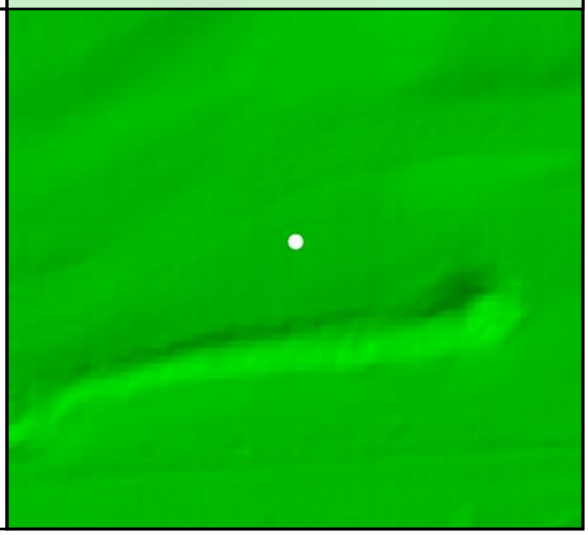
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.03 m

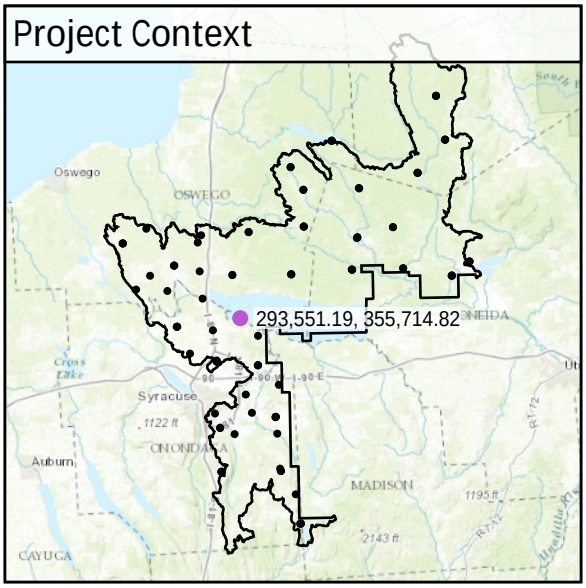
CAL - CA08

Raw TIN Dz +0.03 m

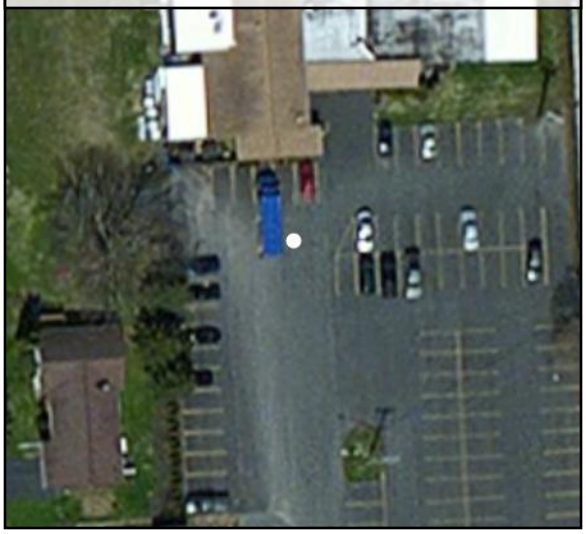
CA09

Known Z	121.27 m	Point Density	1.66 ppsm
DEM Dz	-0.14 m	Ground Density	1.66 ppsm
Raw TIN Dz	-0.14 m	Slope	0.58 °

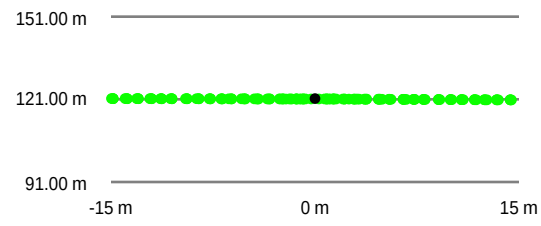
Project Context



World Imagery



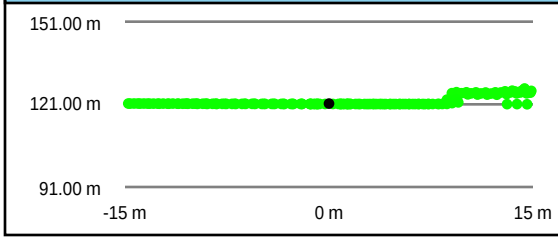
West to East



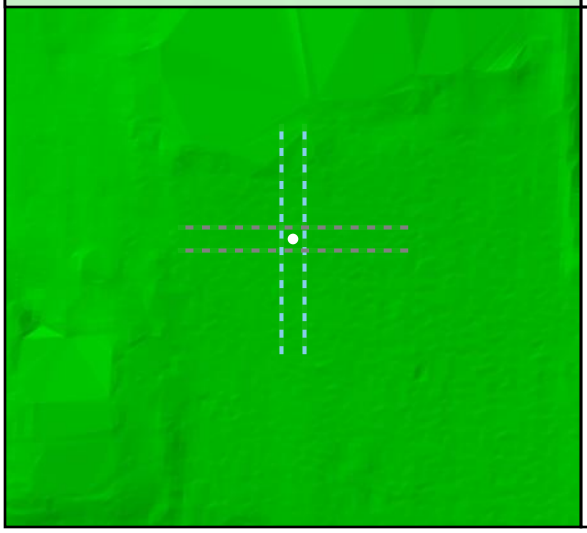
Intensity Raster



South to North



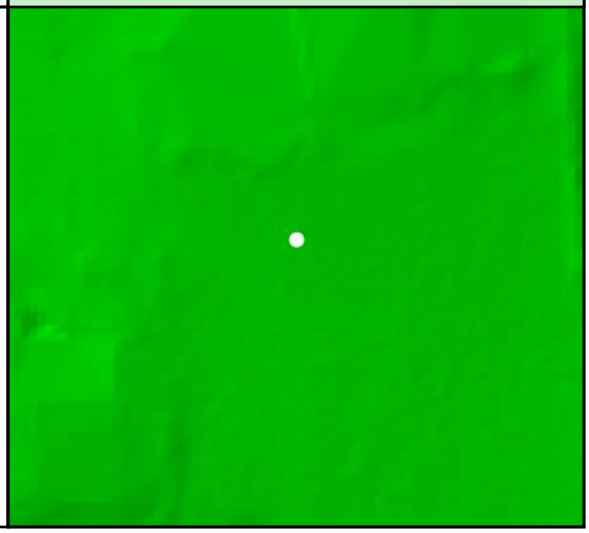
TIN Surface



Project Elevation



DEM Surface



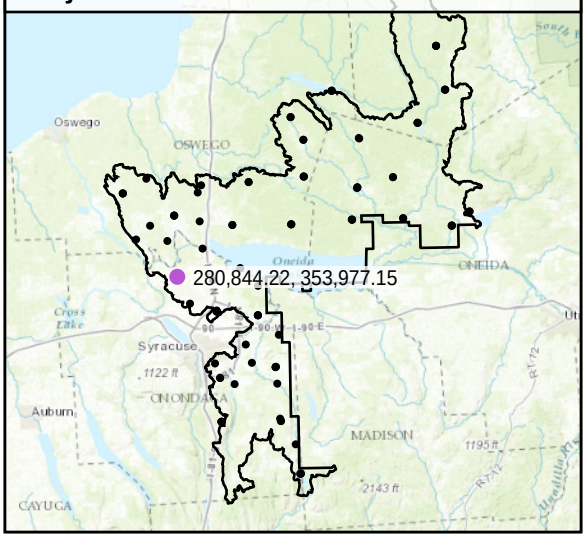
DEM Dz -0.14 m

CAL - CA09

Raw TIN Dz -0.14 m

CA10				
	Known Z	121.95 m	Point Density	1.63 ppsm
	DEM Dz	0.04 m	Ground Density	1.63 ppsm
	Raw TIN Dz	0.03 m	Slope	0.22 °

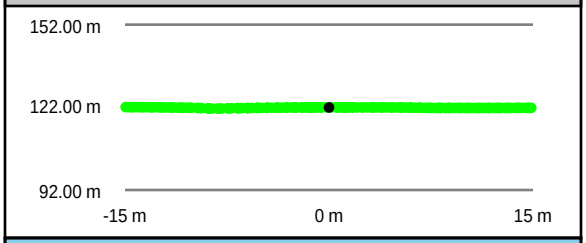
Project Context



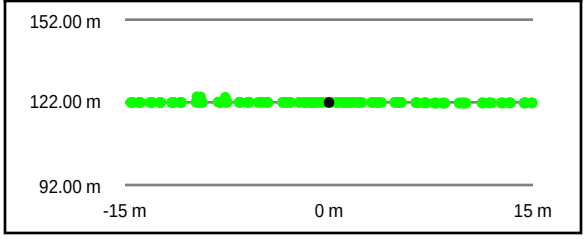
World Imagery



South to North



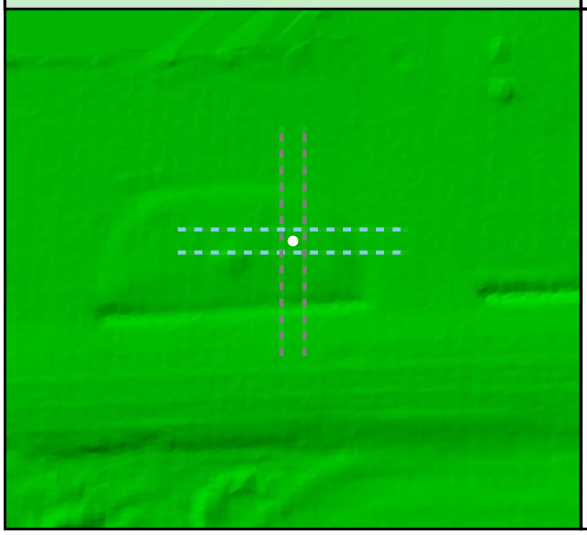
West to East



Intensity Raster



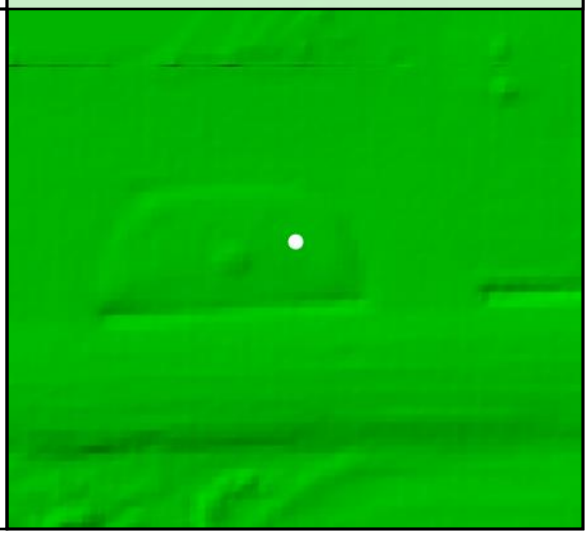
TIN Surface



Project Elevation



DEM Surface



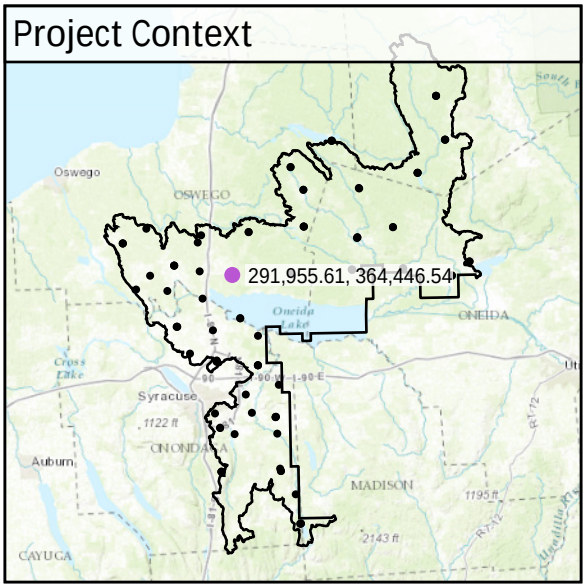
DEM Dz +0.04 m

CAL - CA10

Raw TIN Dz +0.03 m

CA11				
	Known Z	120.24 m	Point Density	1.41 ppsm
	DEM Dz	-0.03 m	Ground Density	1.41 ppsm
	Raw TIN Dz	-0.03 m	Slope	1.69 °

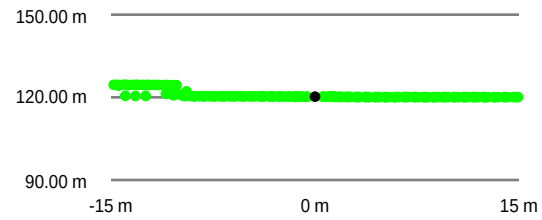
Project Context



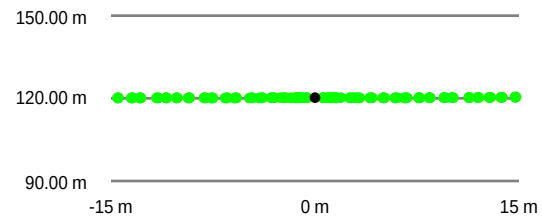
World Imagery



South to North



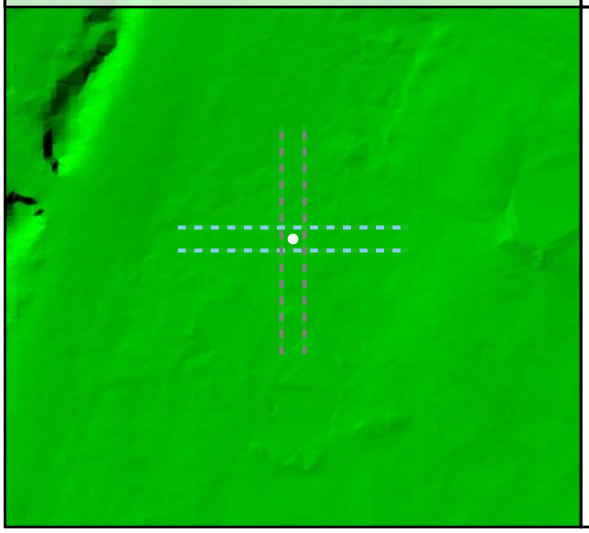
West to East



Intensity Raster



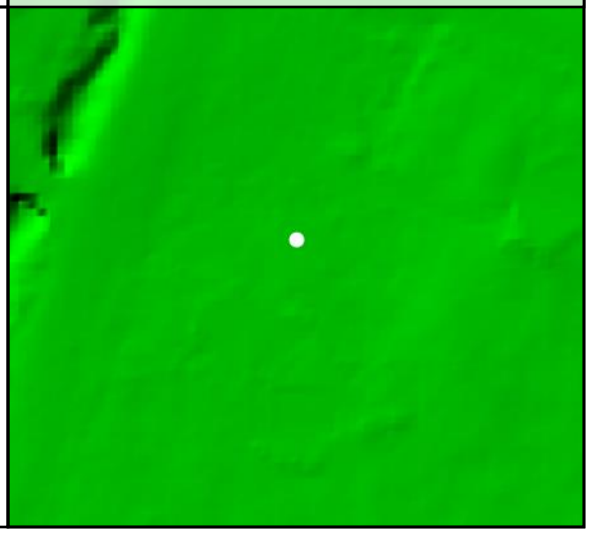
TIN Surface



Project Elevation



DEM Surface



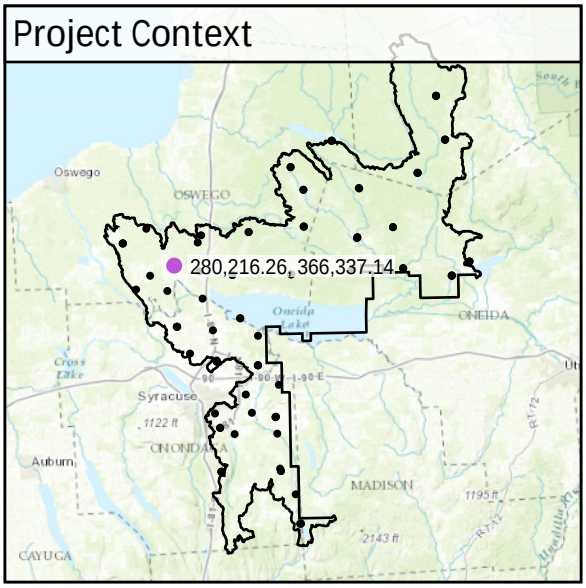
DEM Dz -0.03 m

CAL - CA11

Raw TIN Dz -0.03 m

CA12				
	Known Z	129.80 m	Point Density	1.77 ppsm
	DEM Dz	-0.03 m	Ground Density	1.77 ppsm
	Raw TIN Dz	-0.02 m	Slope	2.24 °

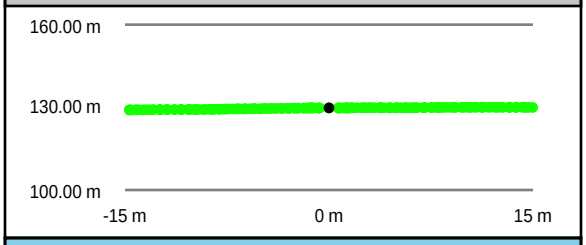
Project Context



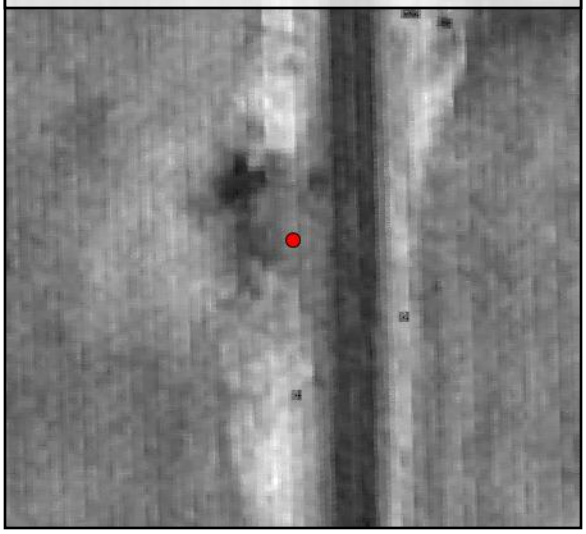
World Imagery



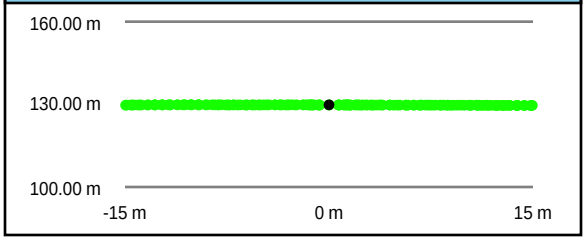
Southwest to Northeast



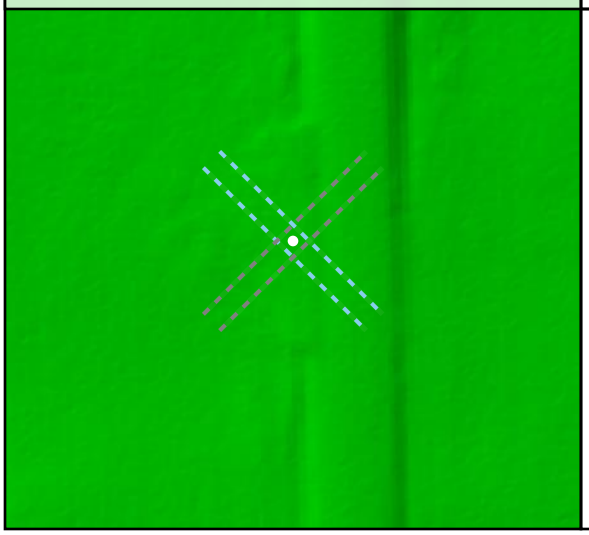
Intensity Raster



Southeast to Northwest



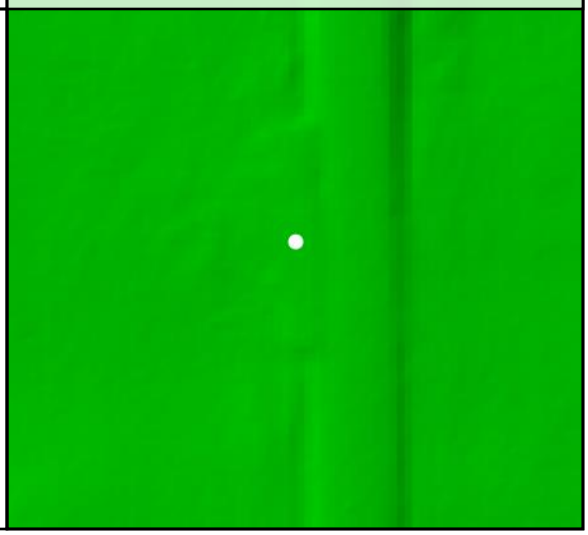
TIN Surface



Project Elevation



DEM Surface



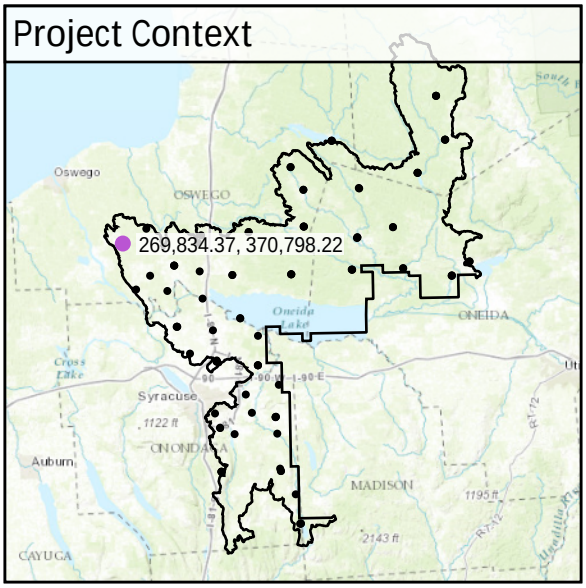
DEM Dz -0.03 m

CAL - CA12

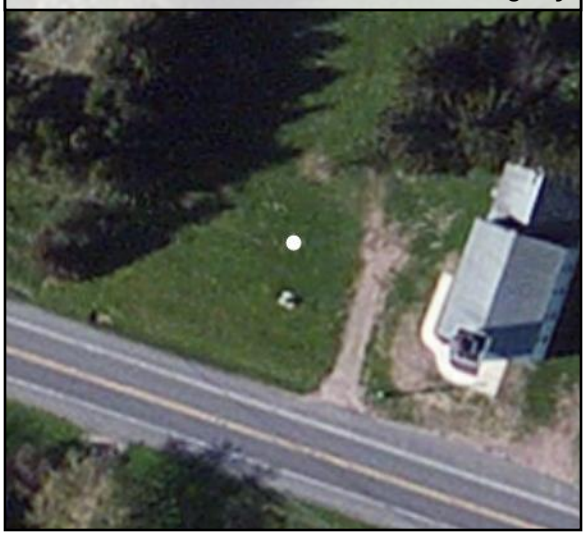
Raw TIN Dz -0.02 m

CA13				
	Known Z	148.12 m	Point Density	2.09 ppsm
	DEM Dz	-0.10 m	Ground Density	2.09 ppsm
	Raw TIN Dz	-0.10 m	Slope	1.62 °

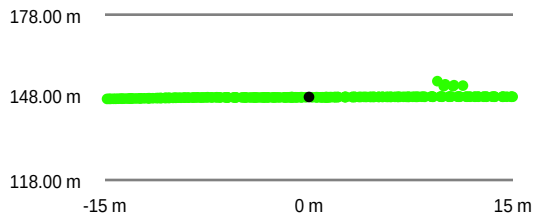
Project Context



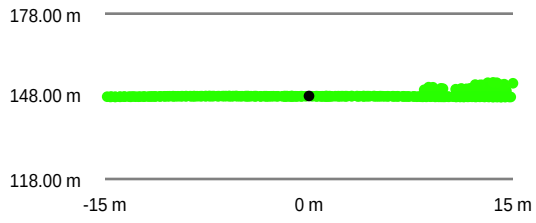
World Imagery



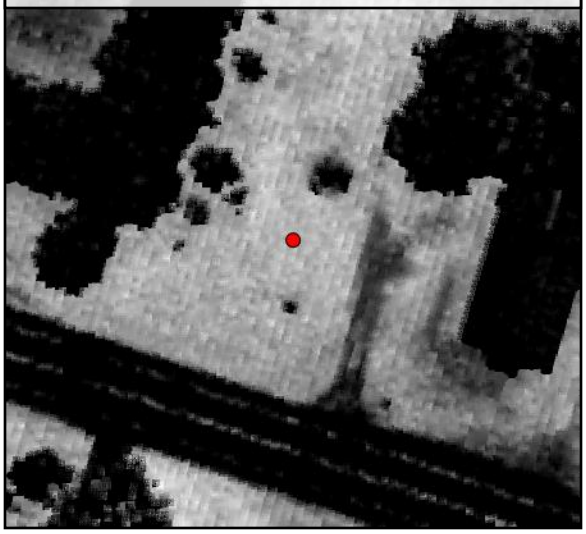
Southwest to Northeast



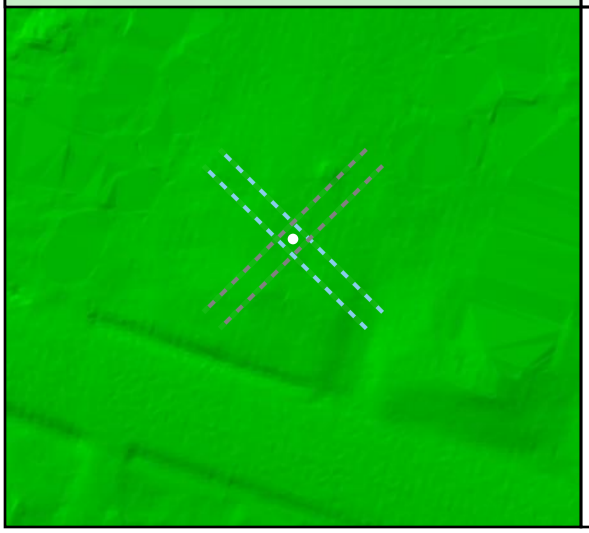
Southeast to Northwest



Intensity Raster



TIN Surface

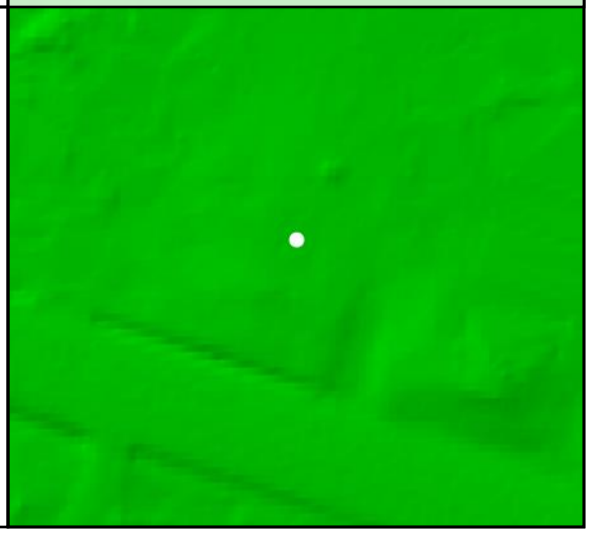


Project Elevation

591.16

110.29

DEM Surface



DEM Dz -0.10 m

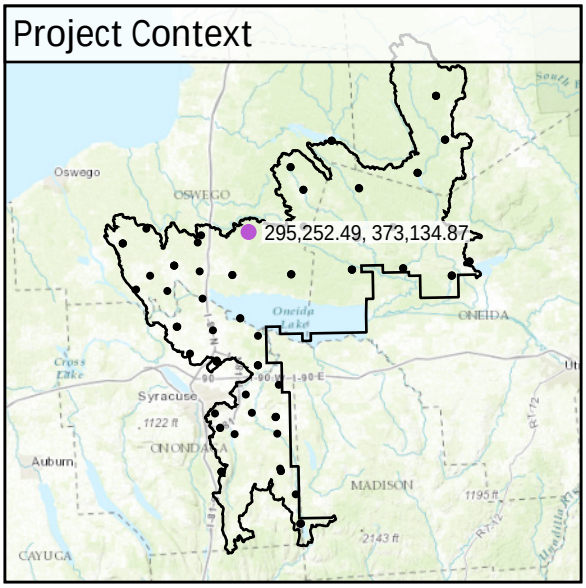
CAL - CA13

Raw TIN Dz -0.10 m

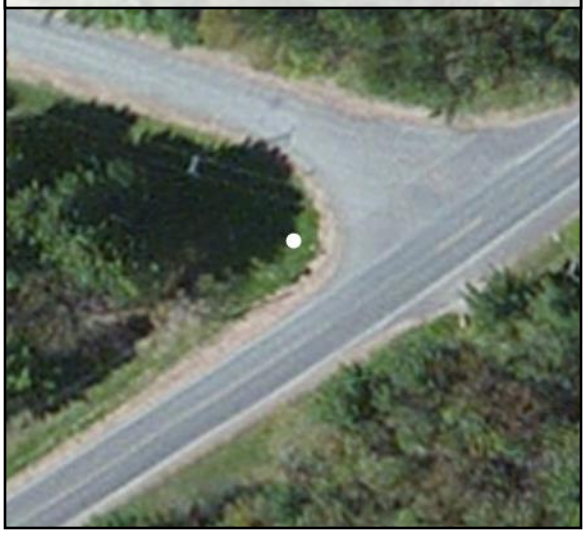
CA14

Known Z	182.31 m	Point Density	2.16 ppsm
DEM Dz	-0.06 m	Ground Density	2.16 ppsm
Raw TIN Dz	-0.06 m	Slope	4.38 °

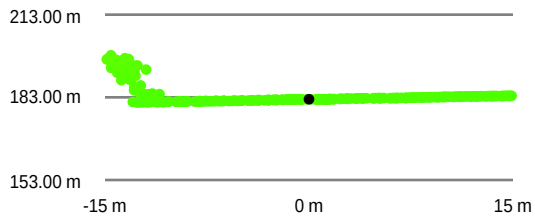
Project Context



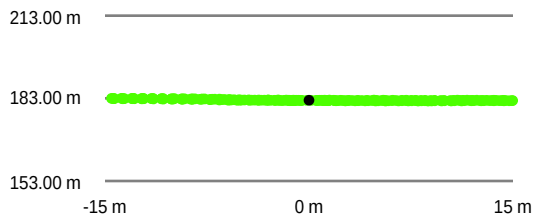
World Imagery



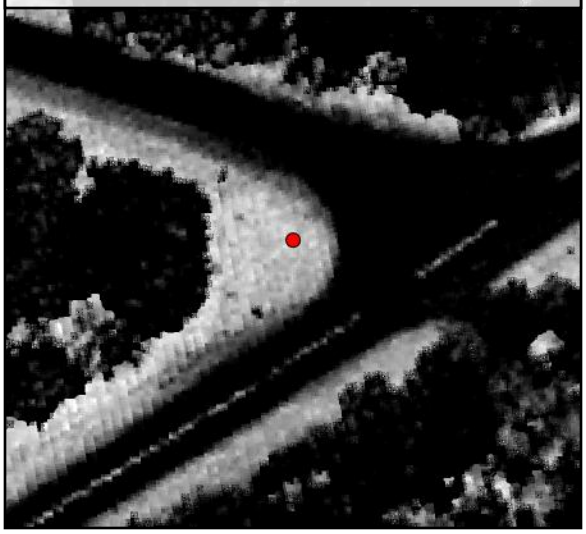
West to East



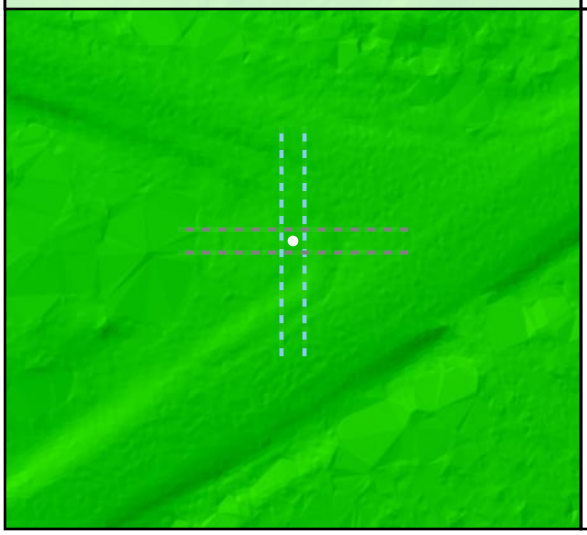
South to North



Intensity Raster



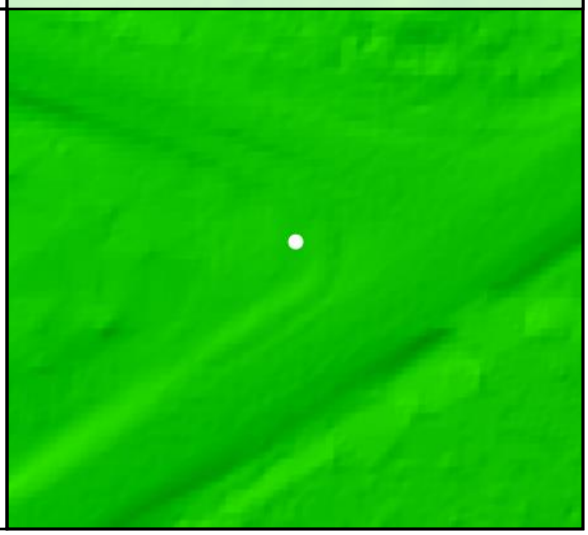
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.06 m

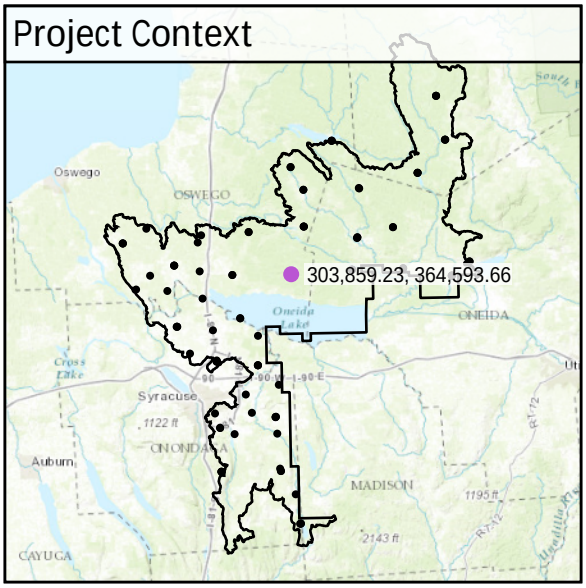
CAL - CA14

Raw TIN Dz -0.06 m

CA15

Known Z	181.81 m	Point Density	1.80 ppsm
DEM Dz	0.03 m	Ground Density	1.80 ppsm
Raw TIN Dz	0.02 m	Slope	0.86 °

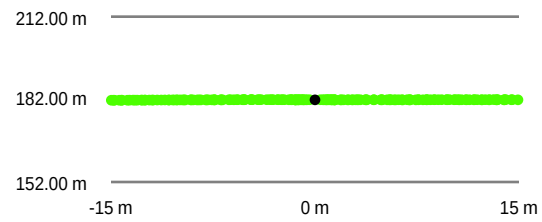
Project Context



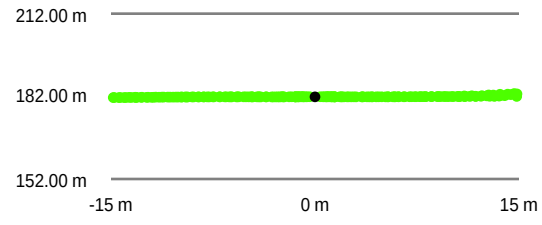
World Imagery



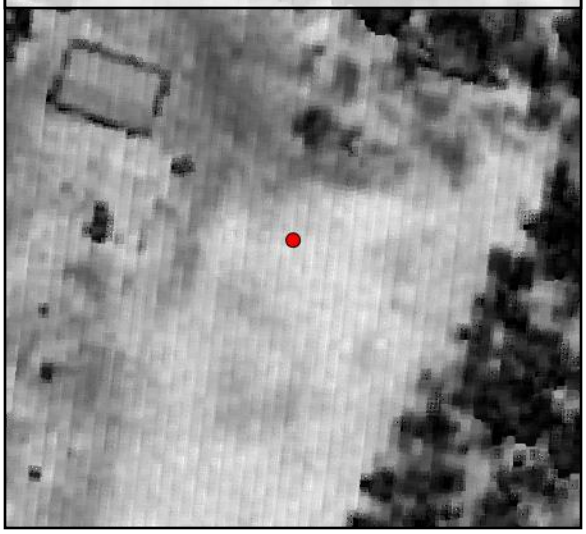
Southeast to Northwest



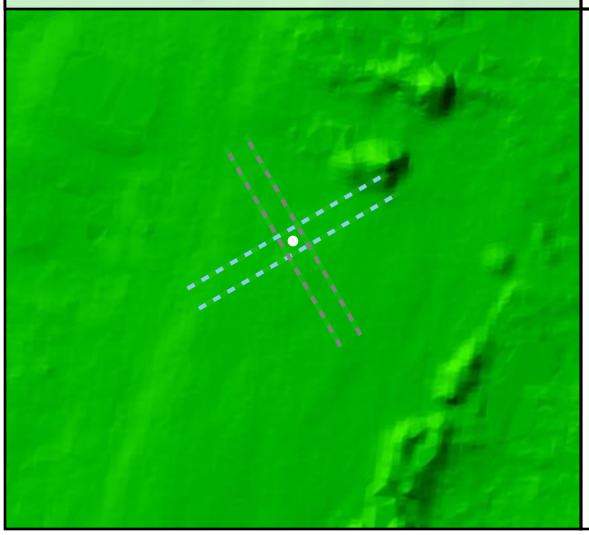
Southwest to Northeast



Intensity Raster



TIN Surface

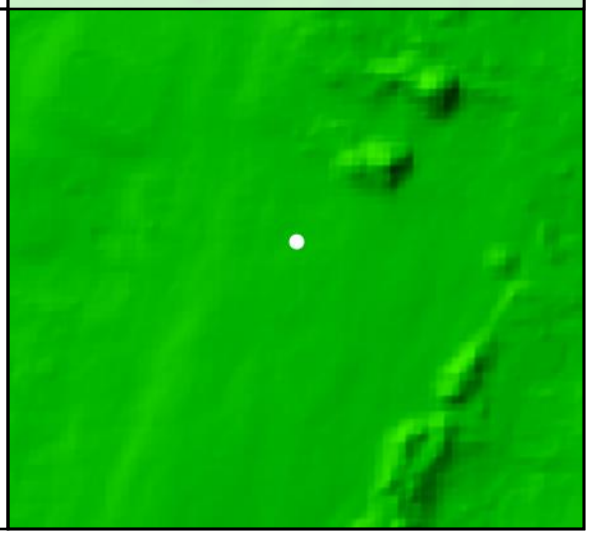


Project Elevation

591.16

110.29

DEM Surface



DEM Dz +0.03 m

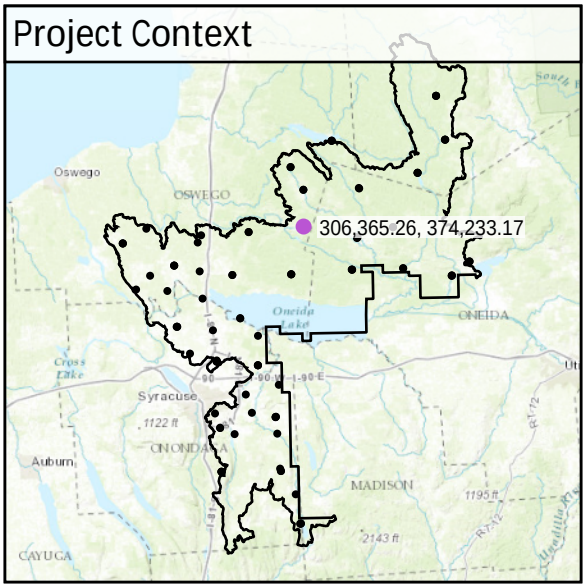
CAL - CA15

Raw TIN Dz +0.02 m

CA16

Known Z	223.57 m	Point Density	1.98 ppsm
DEM Dz	-0.07 m	Ground Density	1.98 ppsm
Raw TIN Dz	-0.06 m	Slope	1.07 °

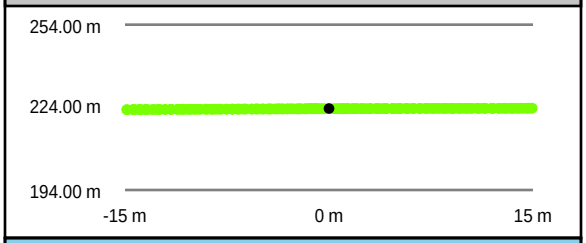
Project Context



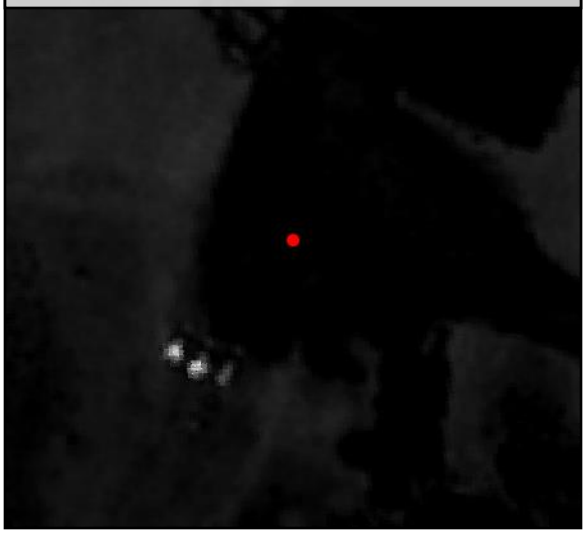
World Imagery



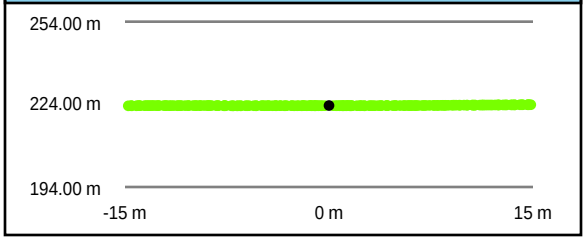
Southeast to Northwest



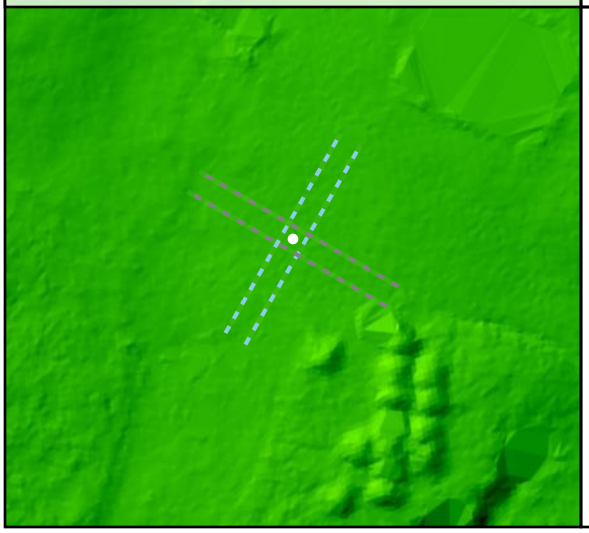
Intensity Raster



Southwest to Northeast



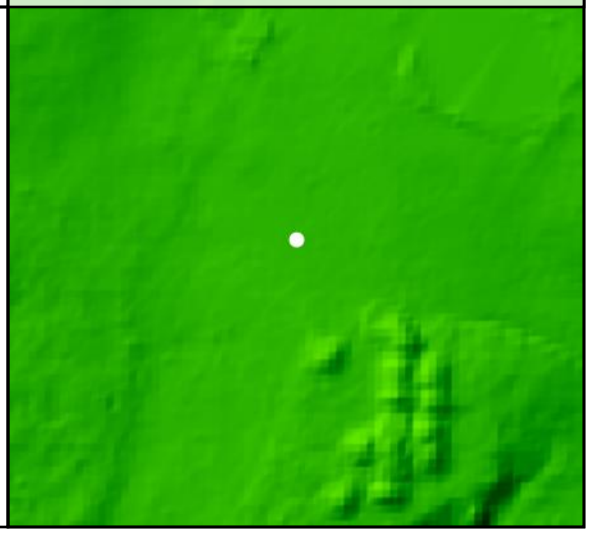
TIN Surface



Project Elevation



DEM Surface



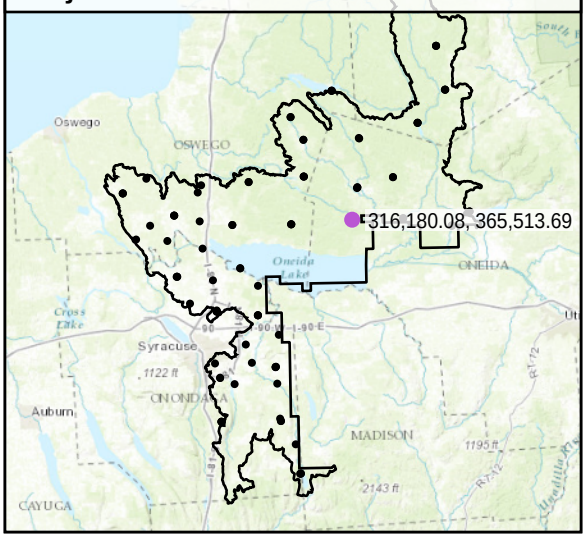
DEM Dz -0.07 m

CAL - CA16

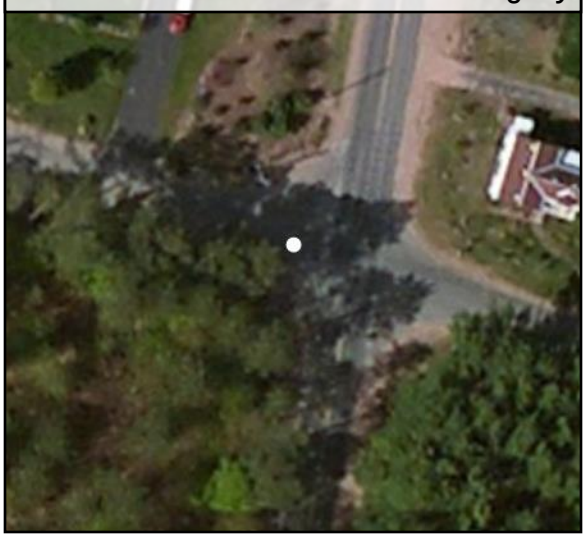
Raw TIN Dz -0.06 m

CA17				
	Known Z	154.89 m	Point Density	2.05 ppsm
	DEM Dz	-0.02 m	Ground Density	2.05 ppsm
	Raw TIN Dz	-0.03 m	Slope	0.37 °

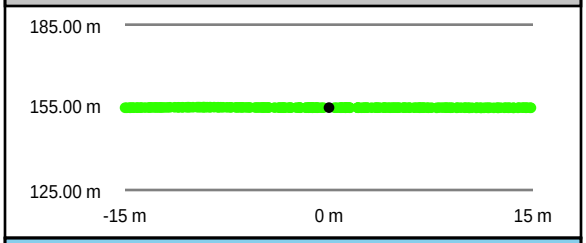
Project Context



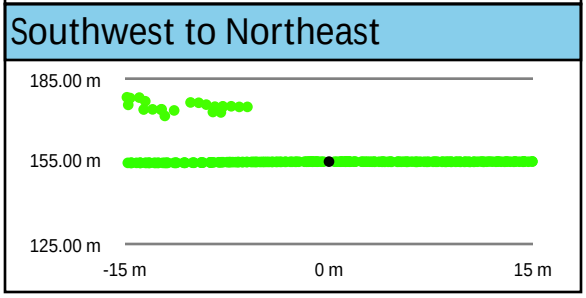
World Imagery



Southeast to Northwest



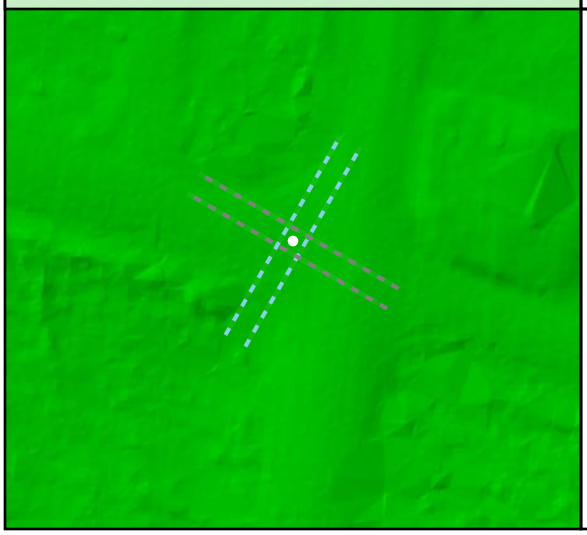
Southwest to Northeast



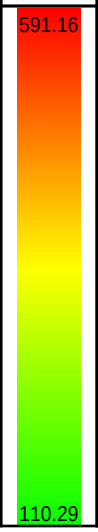
Intensity Raster



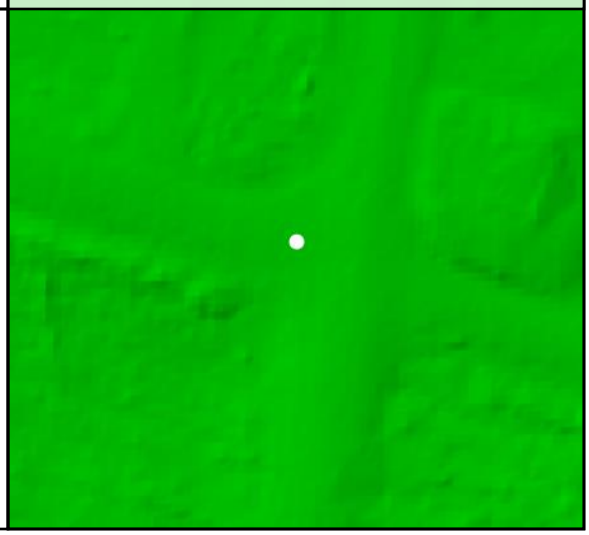
TIN Surface



Project Elevation



DEM Surface



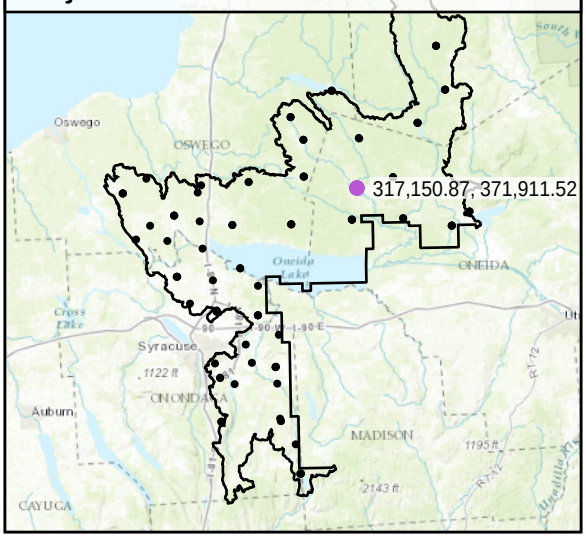
DEM Dz -0.02 m

CAL - CA17

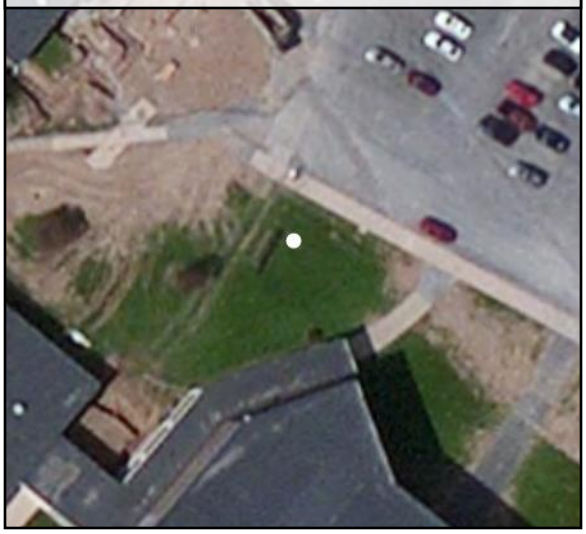
Raw TIN Dz -0.03 m

CA18				
	Known Z	161.58 m	Point Density	2.37 ppsm
	DEM Dz	0.01 m	Ground Density	2.37 ppsm
	Raw TIN Dz	0.02 m	Slope	1.11 °

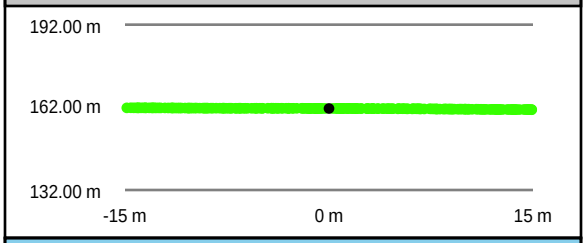
Project Context



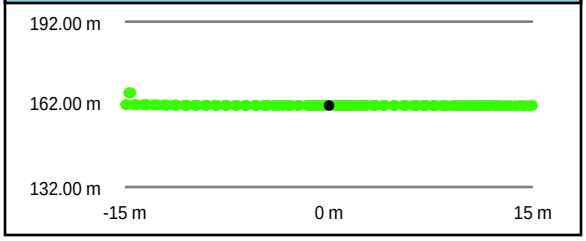
World Imagery



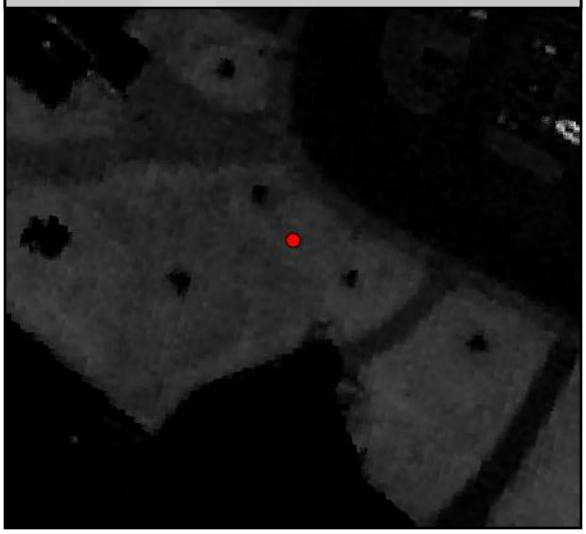
West to East



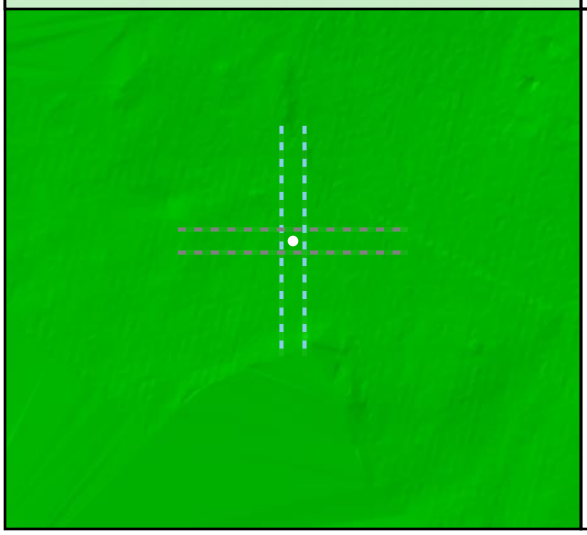
South to North



Intensity Raster



TIN Surface

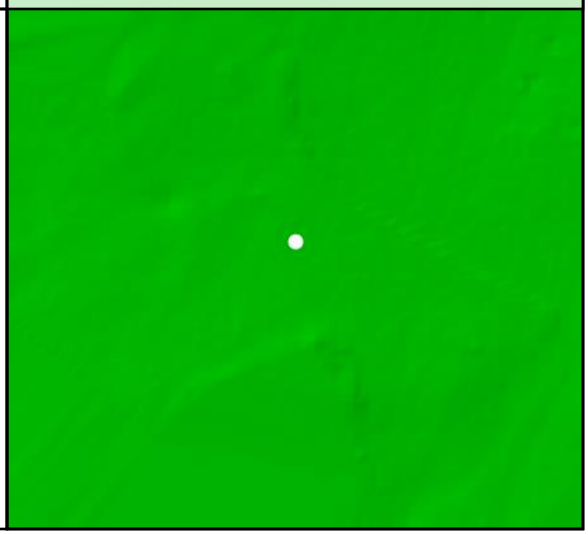


Project Elevation

591.16

110.29

DEM Surface



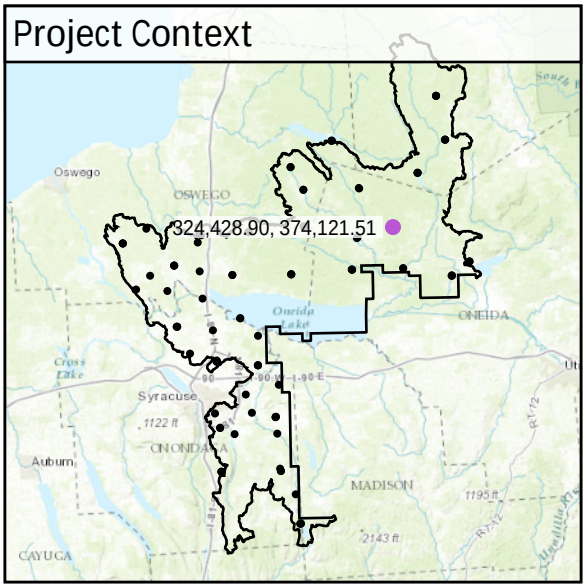
DEM Dz +0.01 m

CAL - CA18

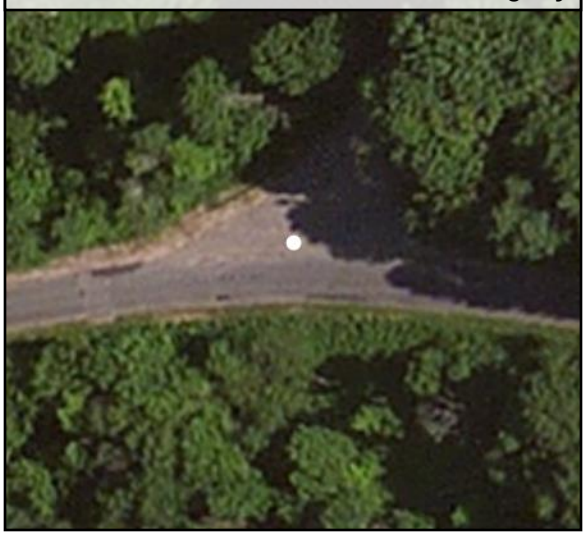
Raw TIN Dz +0.02 m

CA19				
	Known Z	275.08 m	Point Density	1.91 ppsm
	DEM Dz	-0.02 m	Ground Density	1.91 ppsm
	Raw TIN Dz	-0.01 m	Slope	3.30 °

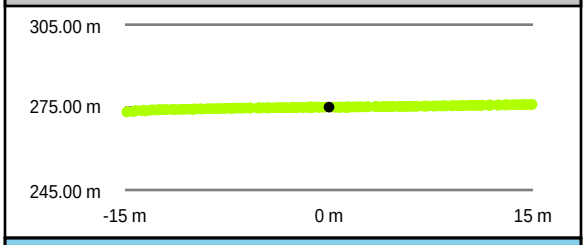
Project Context



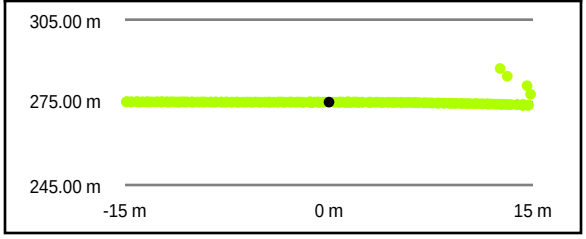
World Imagery



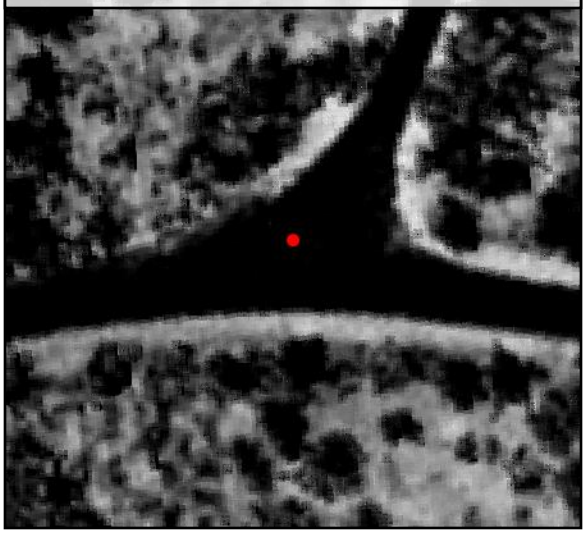
Southwest to Northeast



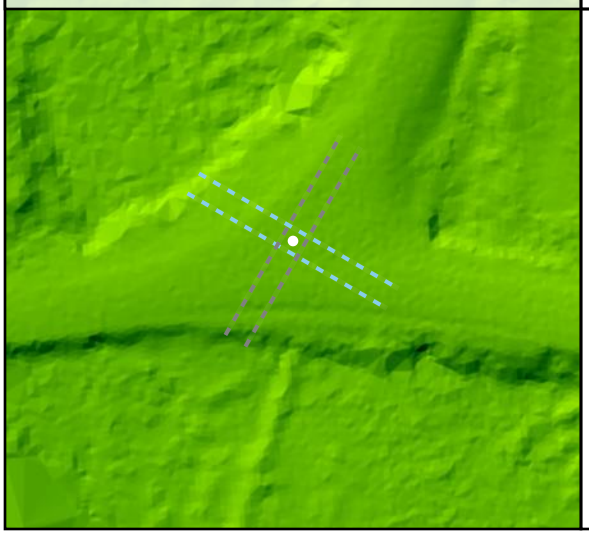
Southeast to Northwest



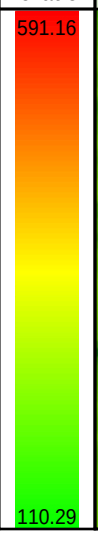
Intensity Raster



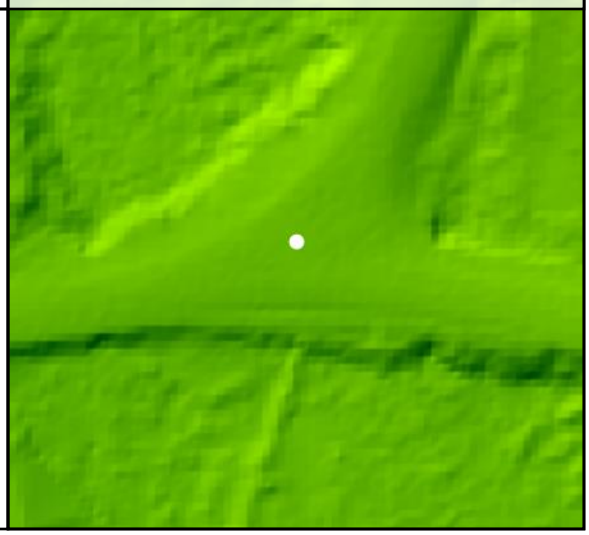
TIN Surface



Project Elevation



DEM Surface



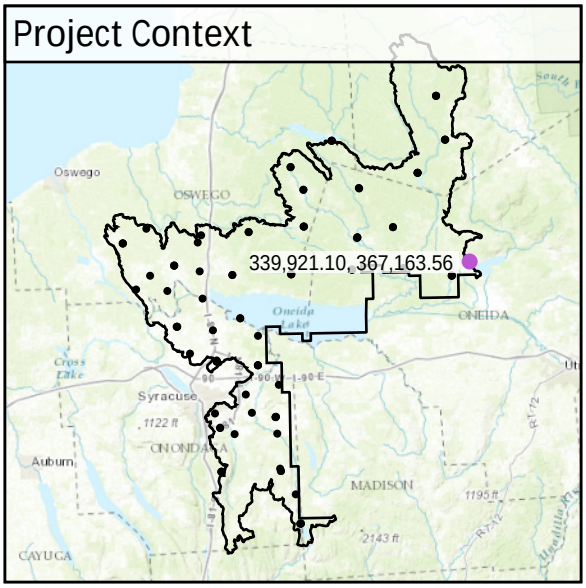
DEM Dz -0.02 m

CAL - CA19

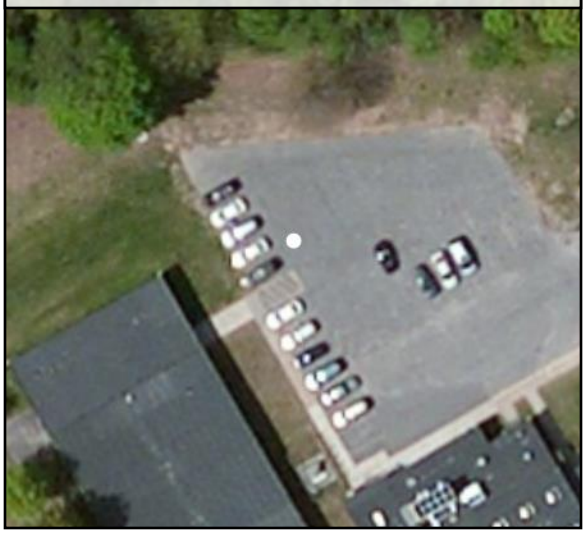
Raw TIN Dz -0.01 m

CA20				
	Known Z	192.50 m	Point Density	2.26 ppsm
	DEM Dz	Outside of AOI	Ground Density	2.19 ppsm
	Raw TIN Dz	0.03 m	Slope	Outside of AOI

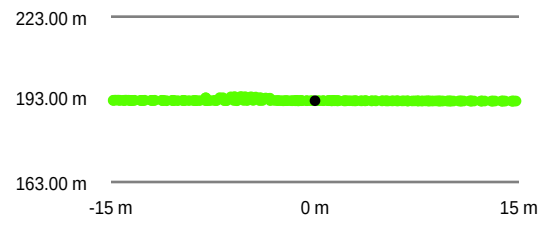
Project Context



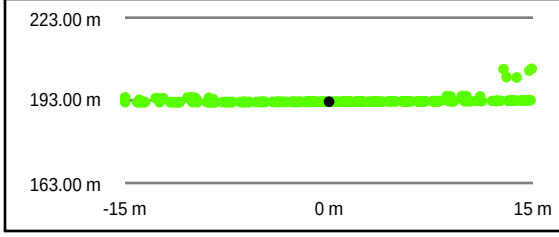
World Imagery



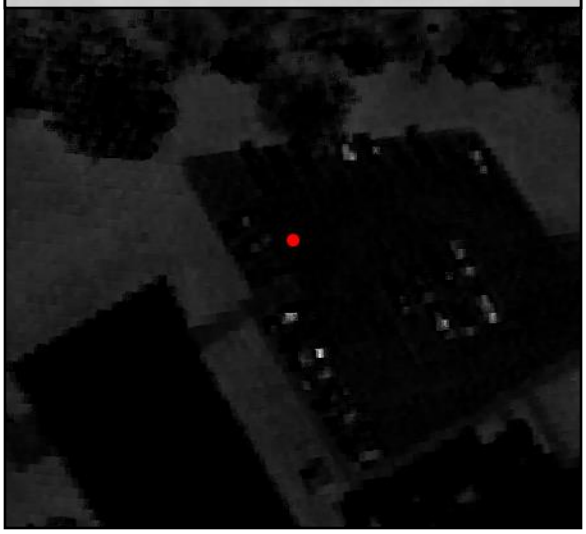
West to East



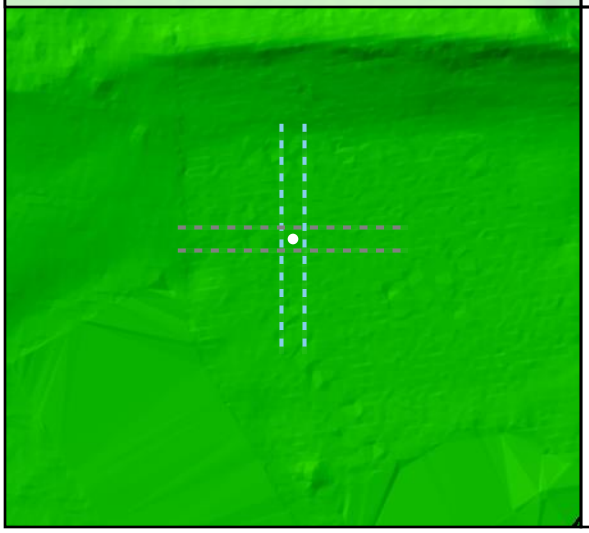
South to North



Intensity Raster



TIN Surface



Project Elevation

591.16

110.29

DEM Surface

Outside of AOI

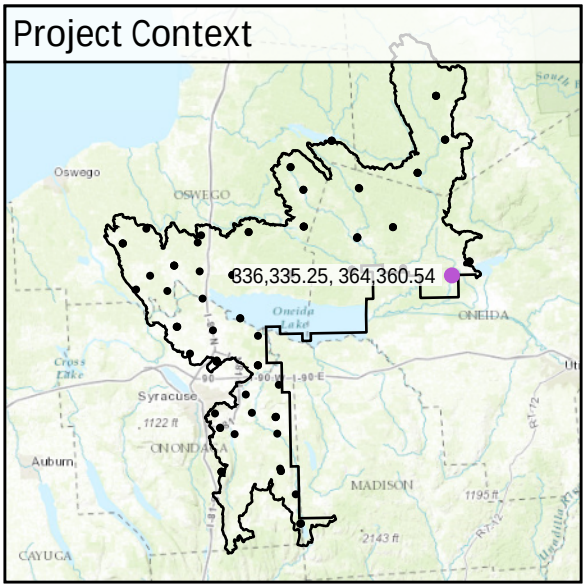
CAL - CA20

Raw TIN Dz +0.03 m

CA21

Known Z	146.92 m	Point Density	2.55 ppsm
DEM Dz	-0.04 m	Ground Density	2.48 ppsm
Raw TIN Dz	-0.03 m	Slope	0.76 °

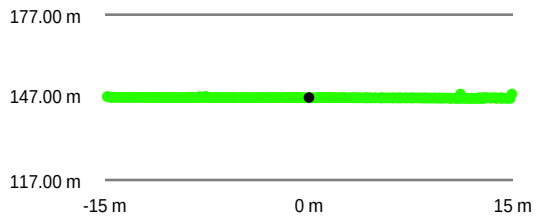
Project Context



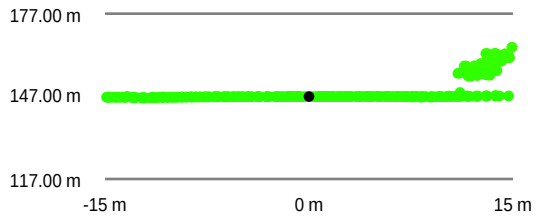
World Imagery



Southeast to Northwest



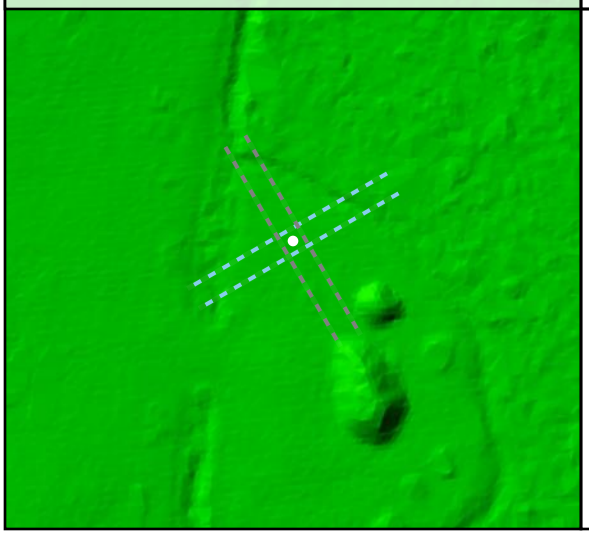
Southwest to Northeast



Intensity Raster



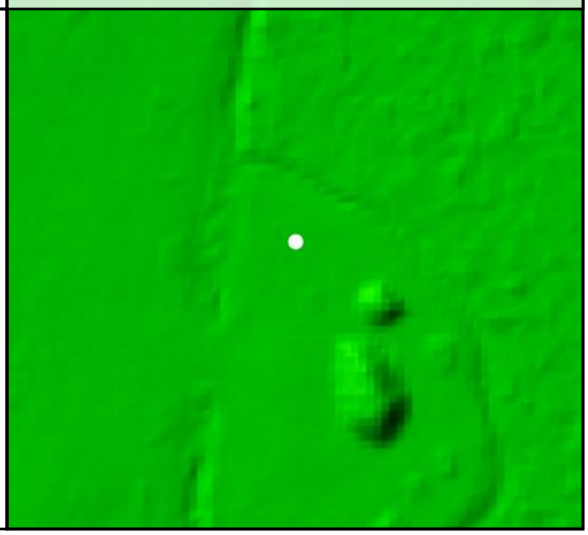
TIN Surface



Project Elevation



DEM Surface



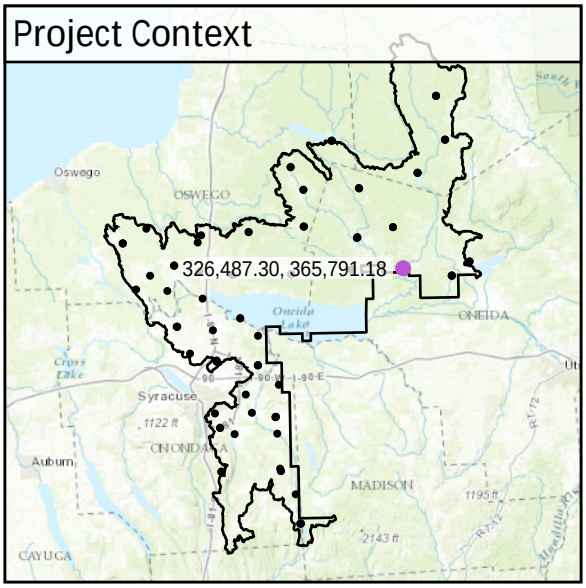
DEM Dz -0.04 m

CAL - CA21

Raw TIN Dz -0.03 m

CA22				
	Known Z	136.88 m	Point Density	1.59 ppsm
	DEM Dz	-0.01 m	Ground Density	1.59 ppsm
	Raw TIN Dz	-0.02 m	Slope	0.65 °

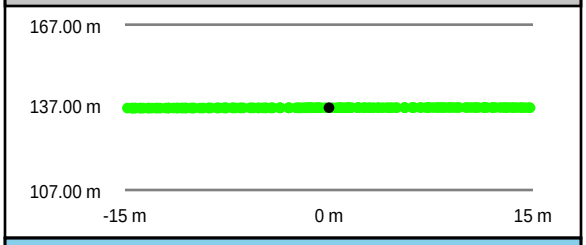
Project Context



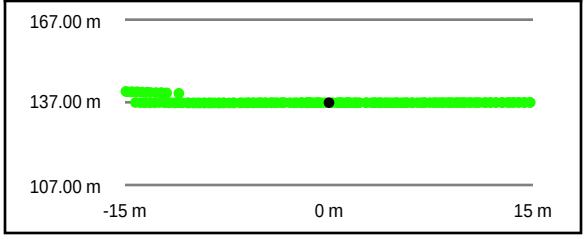
World Imagery



Southwest to Northeast



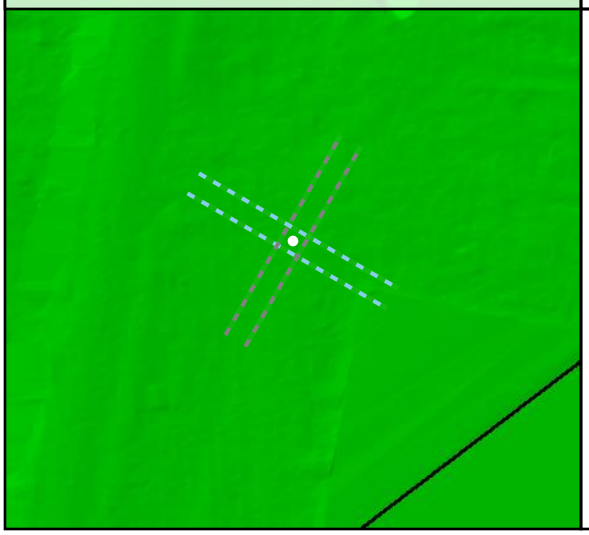
Southeast to Northwest



Intensity Raster



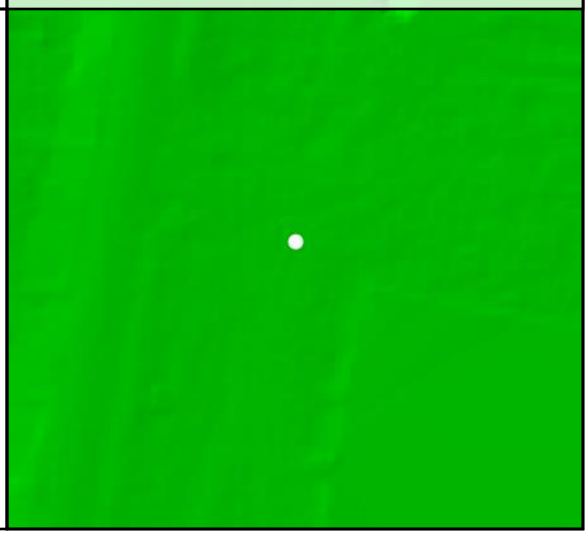
TIN Surface



Project Elevation



DEM Surface



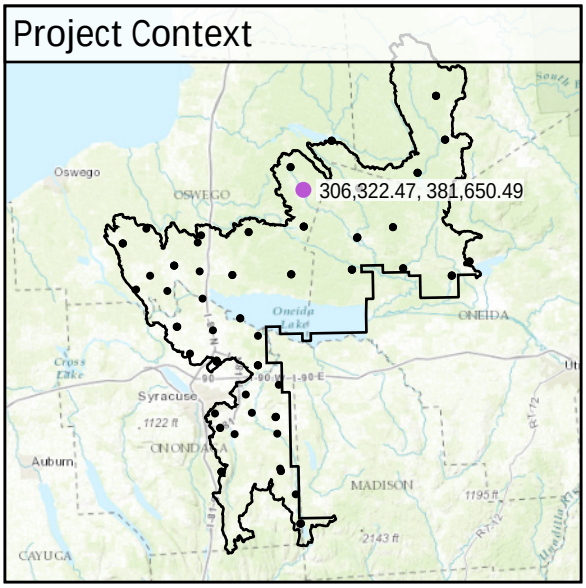
DEM Dz -0.01 m

CAL - CA22

Raw TIN Dz -0.02 m

CA23				
	Known Z	182.86 m	Point Density	2.58 ppsm
	DEM Dz	-0.03 m	Ground Density	2.58 ppsm
	Raw TIN Dz	-0.03 m	Slope	1.30 °

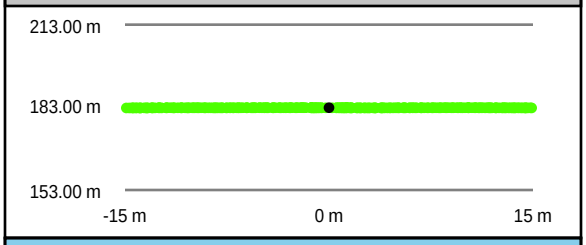
Project Context



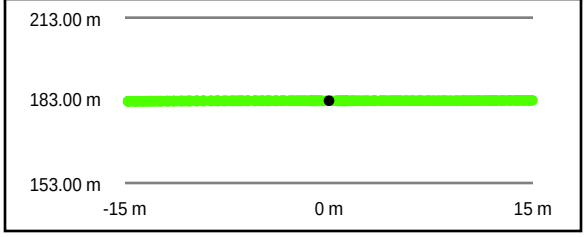
World Imagery



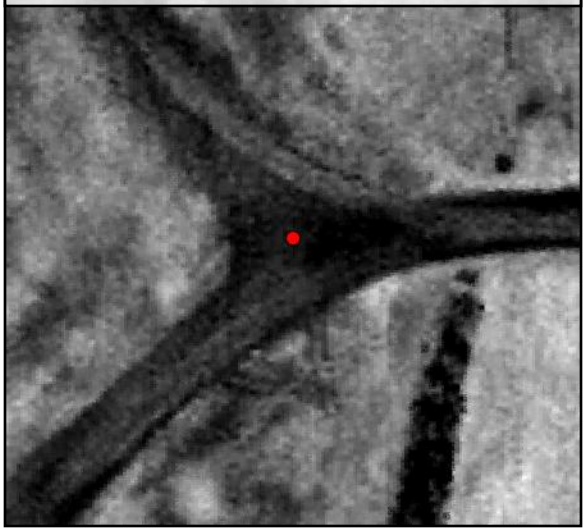
Southeast to Northwest



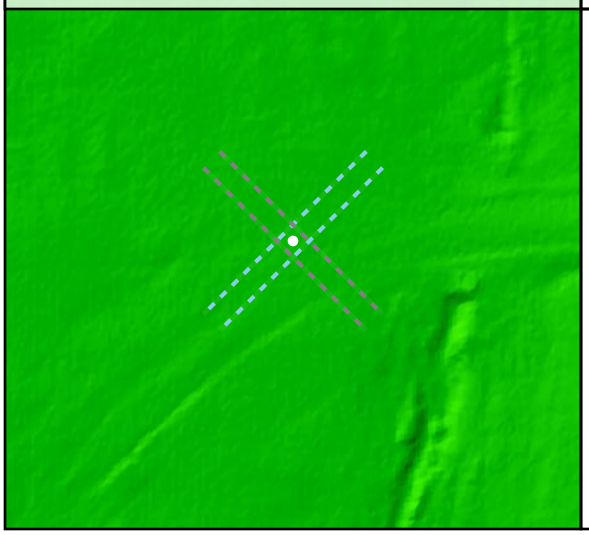
Southwest to Northeast



Intensity Raster



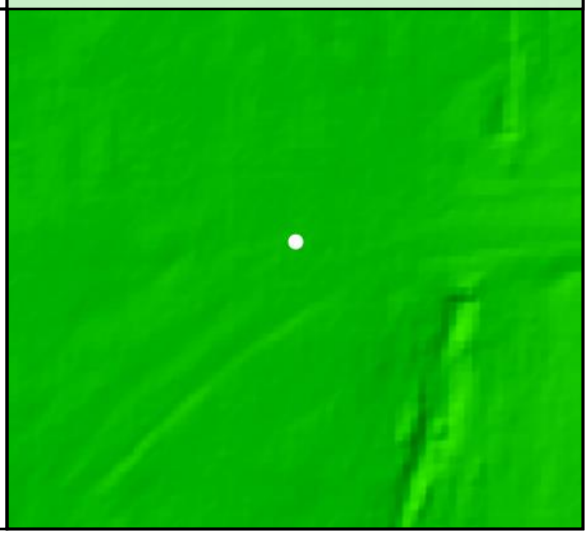
TIN Surface



Project Elevation



DEM Surface



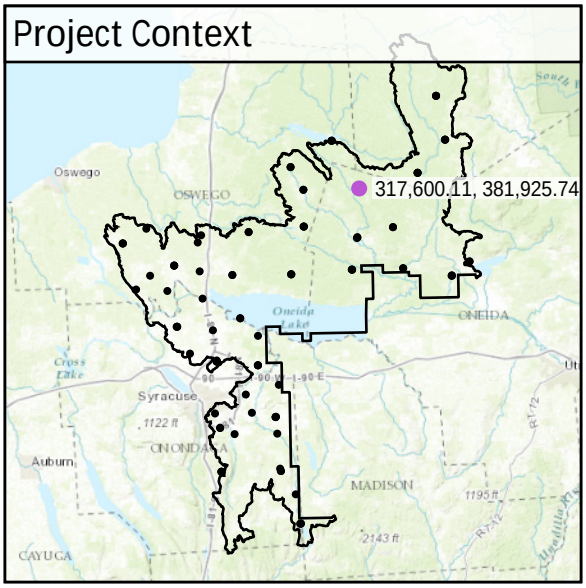
DEM Dz -0.03 m

CAL - CA23

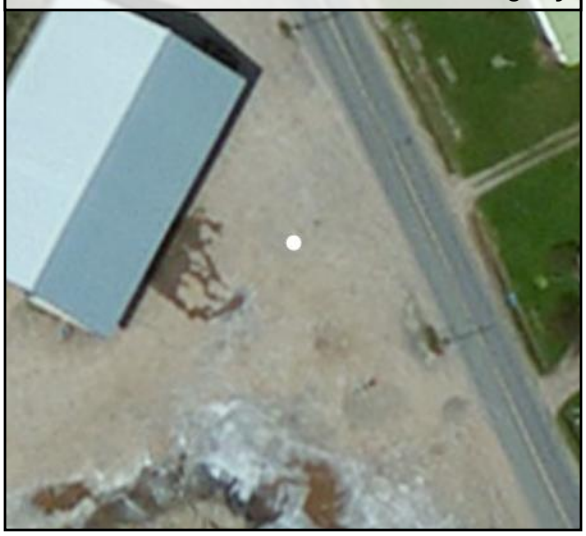
Raw TIN Dz -0.03 m

CA24				
	Known Z	293.84 m	Point Density	1.98 ppsm
	DEM Dz	0.02 m	Ground Density	1.98 ppsm
	Raw TIN Dz	0.02 m	Slope	0.82 °

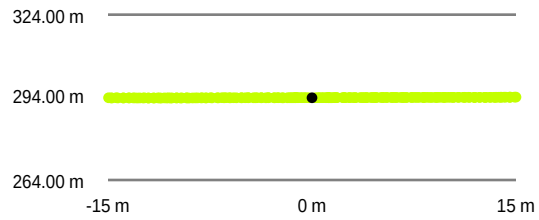
Project Context



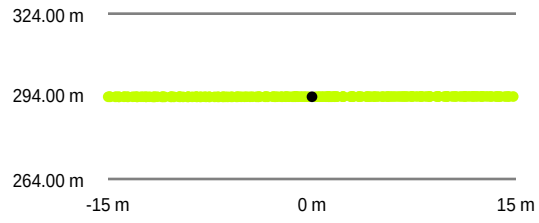
World Imagery



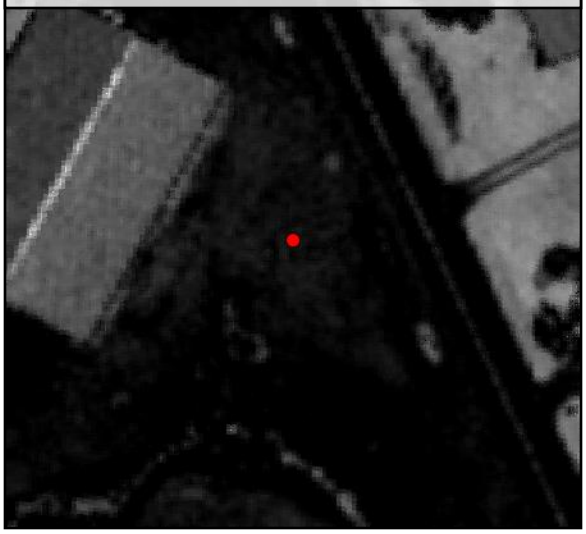
Southwest to Northeast



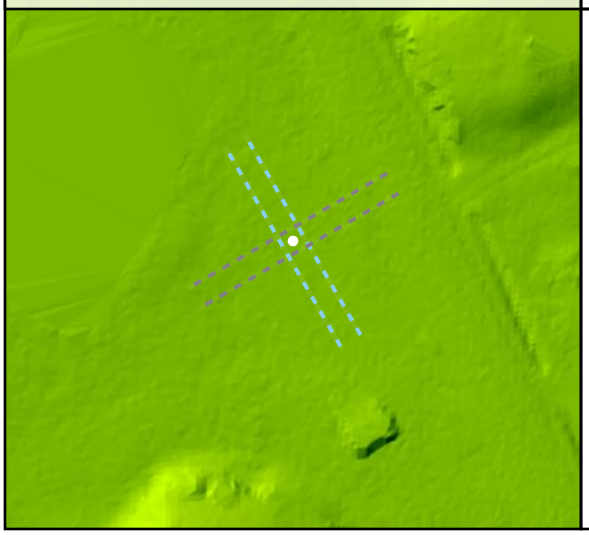
Southeast to Northwest



Intensity Raster



TIN Surface

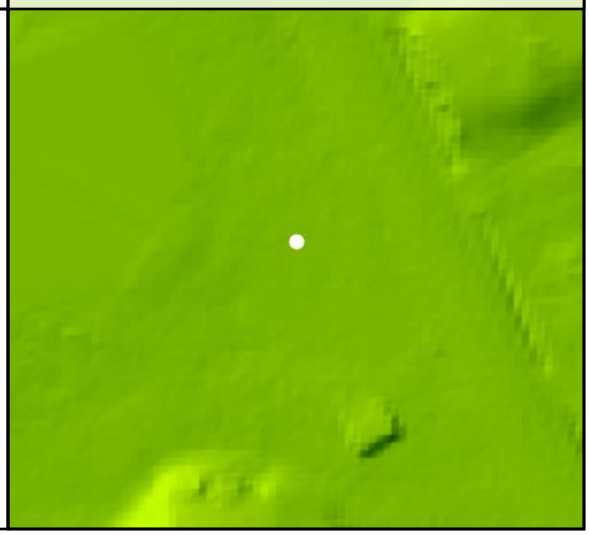


Project Elevation

591.16

110.29

DEM Surface



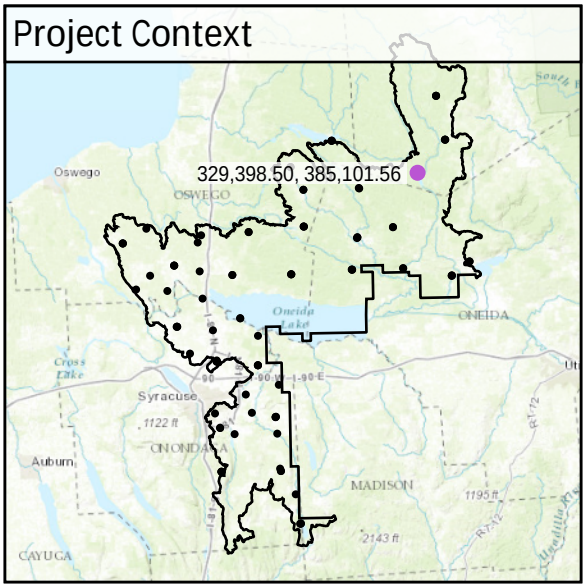
DEM Dz +0.02 m

CAL - CA24

Raw TIN Dz +0.02 m

CA25				
	Known Z	402.70 m	Point Density	1.66 ppsm
	DEM Dz	0.03 m	Ground Density	1.66 ppsm
	Raw TIN Dz	0.03 m	Slope	1.50 °

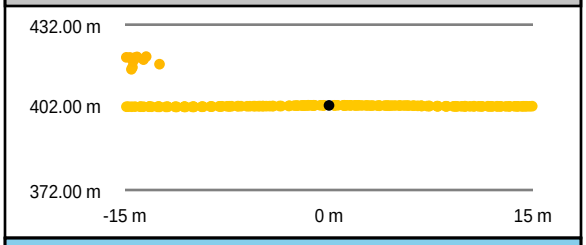
Project Context



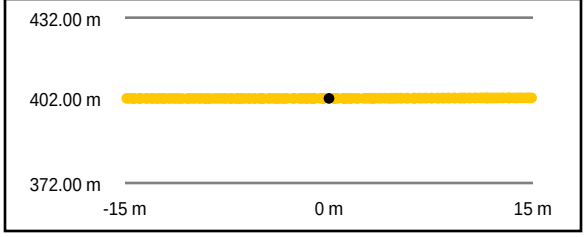
World Imagery



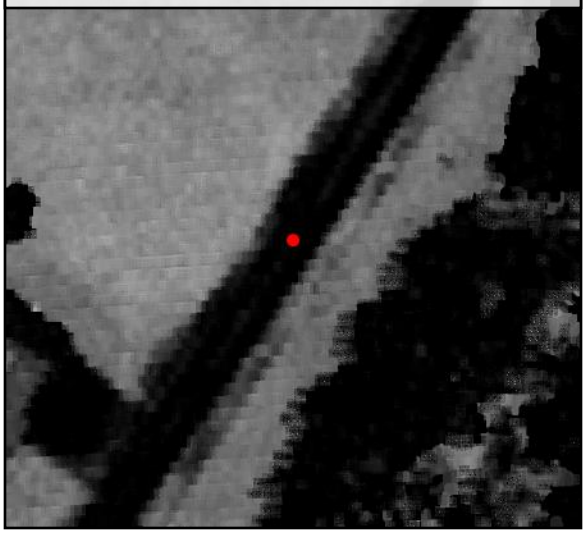
Southeast to Northwest



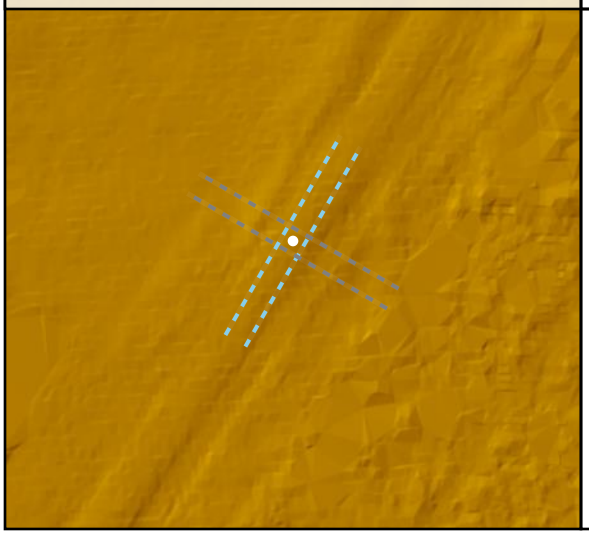
Southwest to Northeast



Intensity Raster



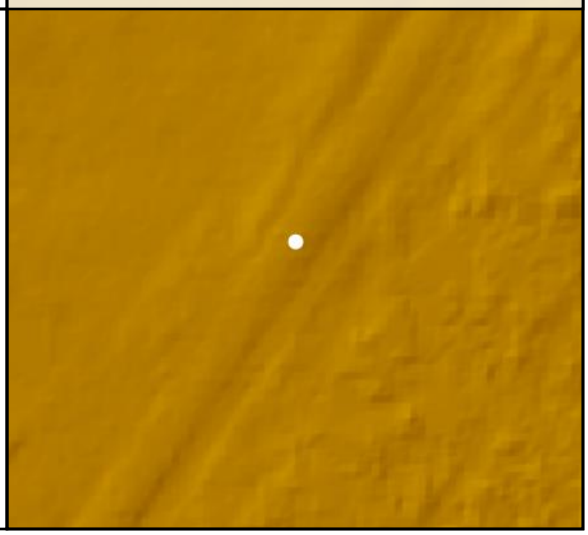
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.03 m

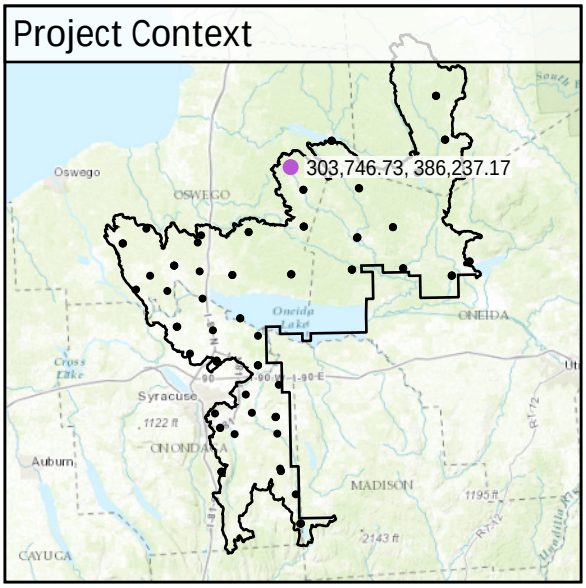
CAL - CA25

Raw TIN Dz +0.03 m

CA26

Known Z	199.73 m	Point Density	2.16 ppsm
DEM Dz	-0.05 m	Ground Density	2.12 ppsm
Raw TIN Dz	-0.03 m	Slope	1.05 °

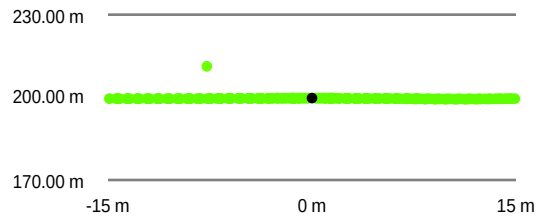
Project Context



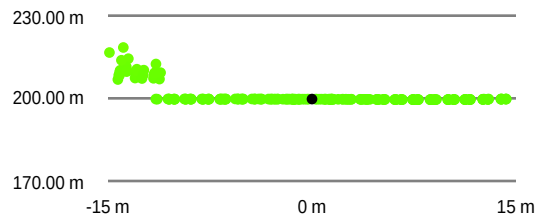
World Imagery



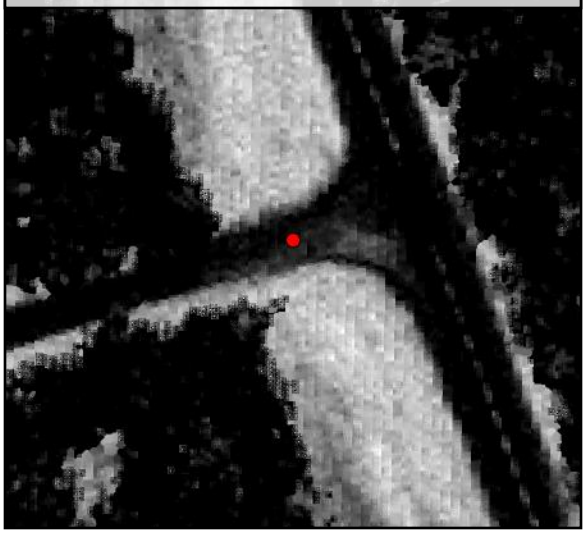
South to North



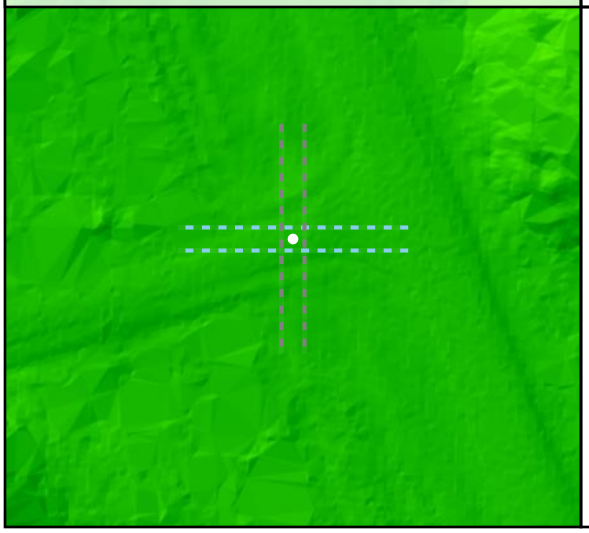
West to East



Intensity Raster



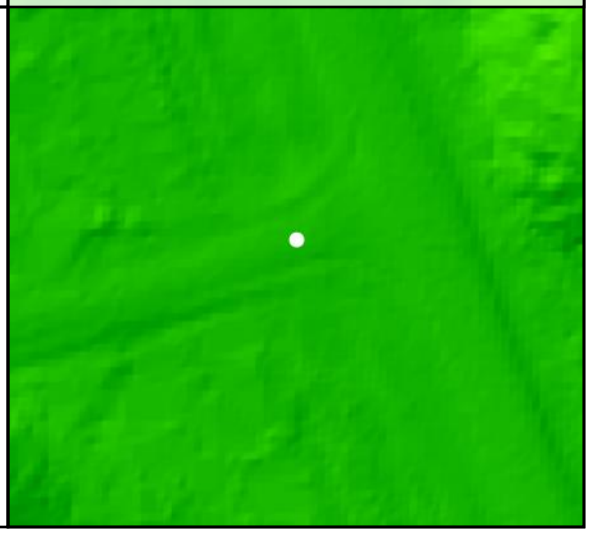
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.05 m

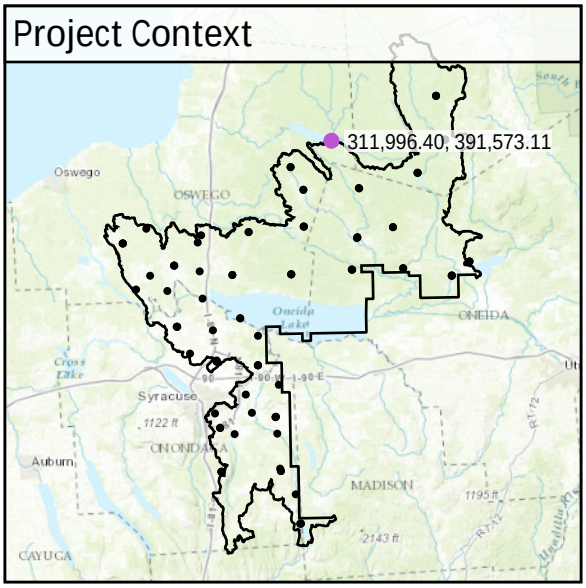
CAL - CA26

Raw TIN Dz -0.03 m

CA27

Known Z	286.51 m	Point Density	2.79 ppsm
DEM Dz	-0.06 m	Ground Density	2.76 ppsm
Raw TIN Dz	-0.06 m	Slope	1.04 °

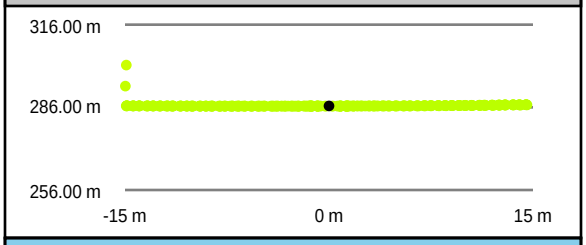
Project Context



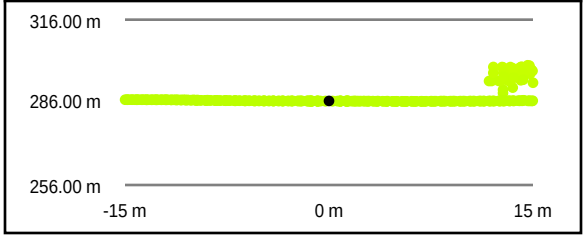
World Imagery



West to East



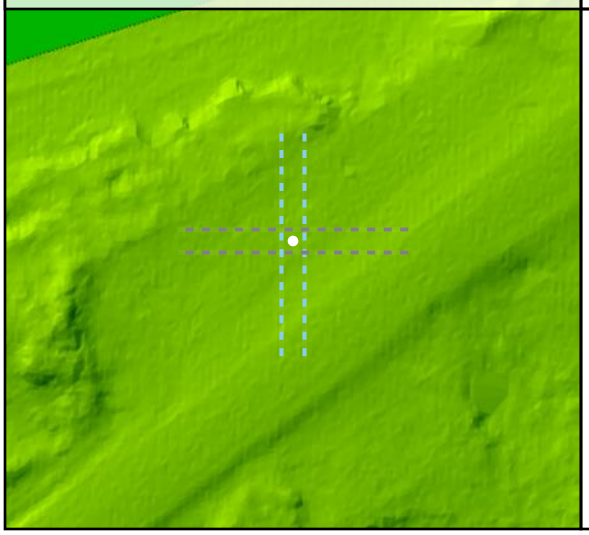
South to North



Intensity Raster



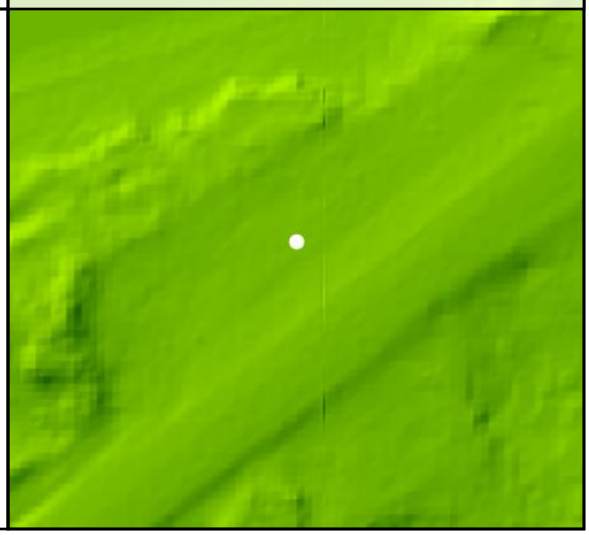
TIN Surface



Project Elevation



DEM Surface



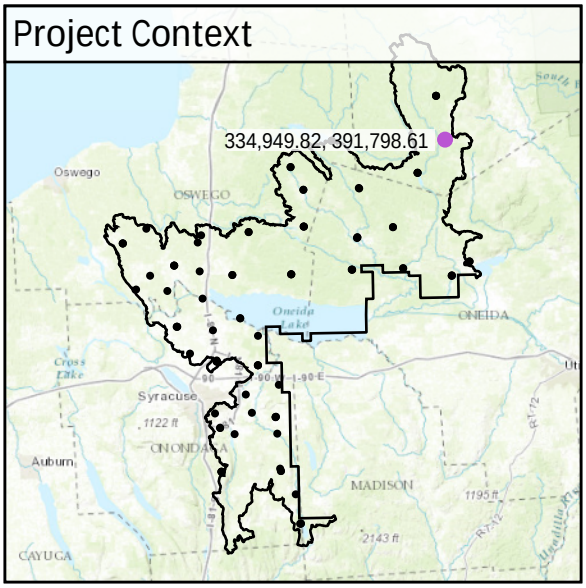
DEM Dz -0.06 m

CAL - CA27

Raw TIN Dz -0.06 m

CA28				
	Known Z	495.07 m	Point Density	1.17 ppsm
	DEM Dz	-0.05 m	Ground Density	1.20 ppsm
	Raw TIN Dz	-0.05 m	Slope	1.23 °

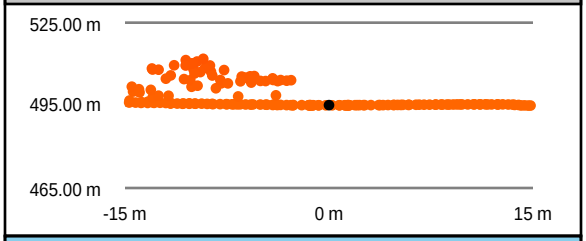
Project Context



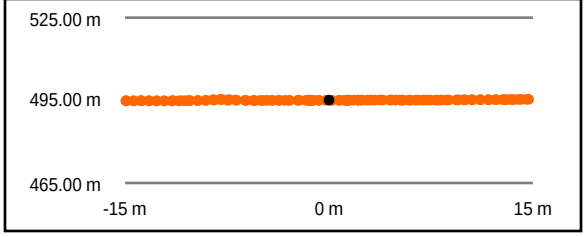
World Imagery



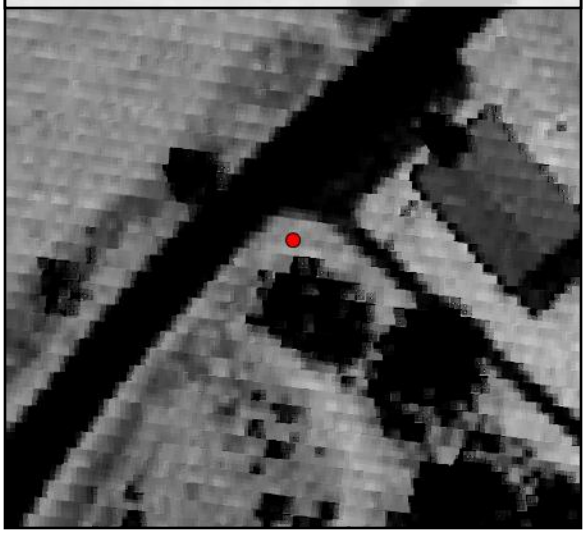
Southeast to Northwest



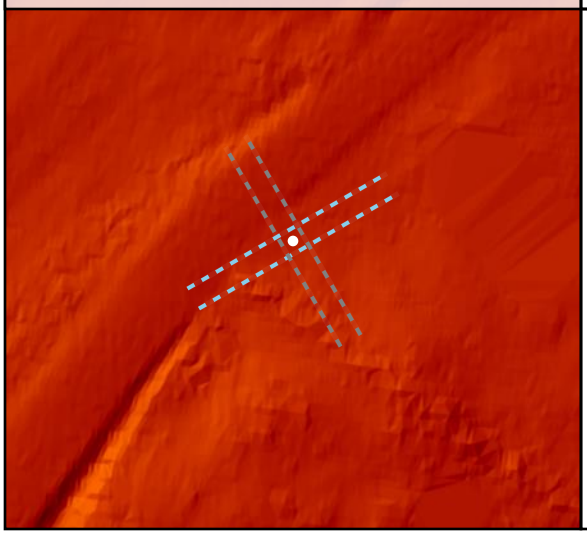
Southwest to Northeast



Intensity Raster



TIN Surface

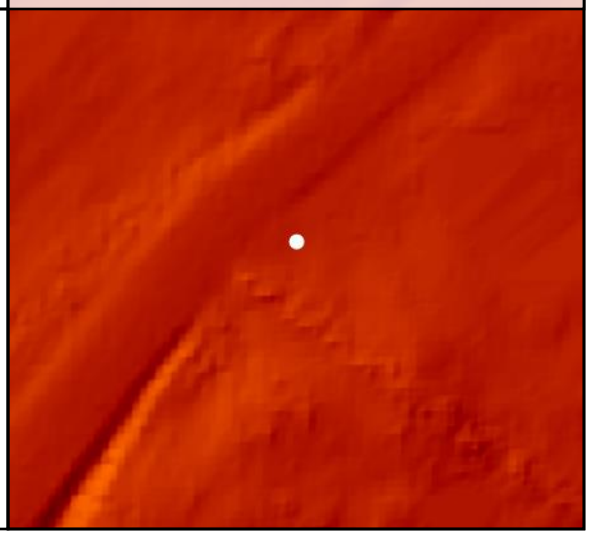


Project Elevation

591.16

110.29

DEM Surface



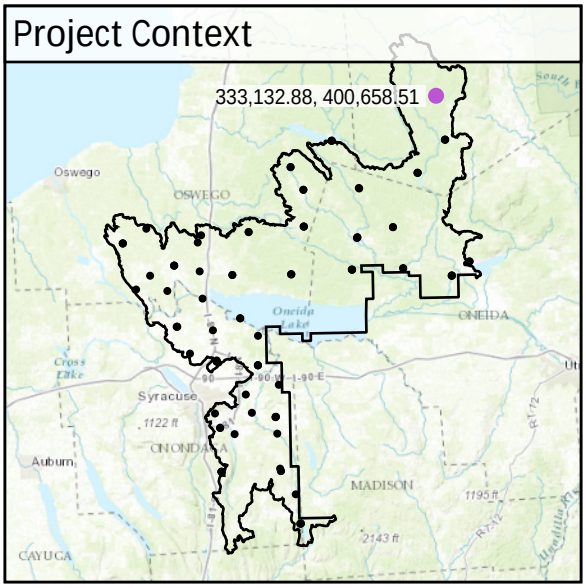
DEM Dz -0.05 m

CAL - CA28

Raw TIN Dz -0.05 m

CA29				
	Known Z	541.09 m	Point Density	2.02 ppsm
	DEM Dz	-0.02 m	Ground Density	2.02 ppsm
	Raw TIN Dz	-0.03 m	Slope	2.15 °

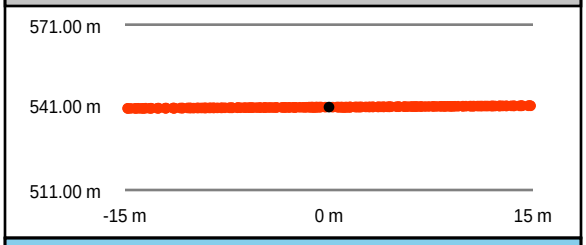
Project Context



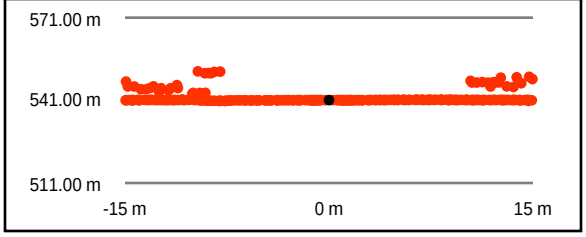
World Imagery



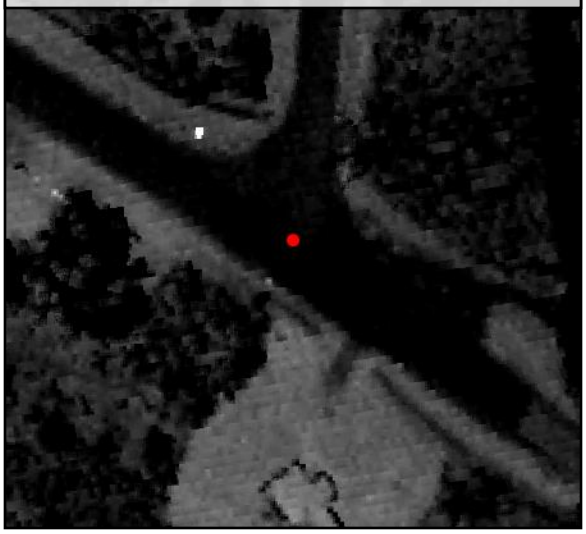
Southeast to Northwest



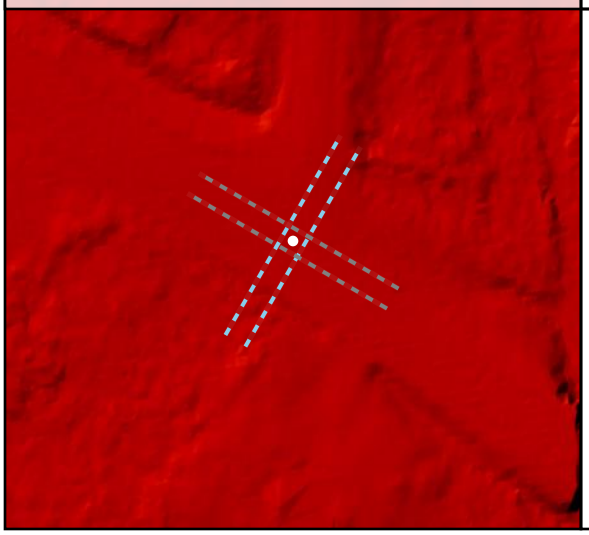
Southwest to Northeast



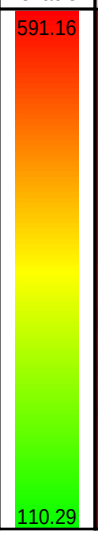
Intensity Raster



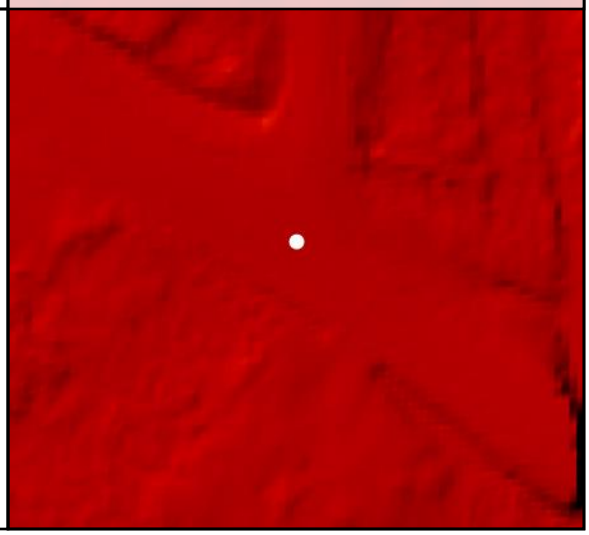
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.02 m

CAL - CA29

Raw TIN Dz -0.03 m