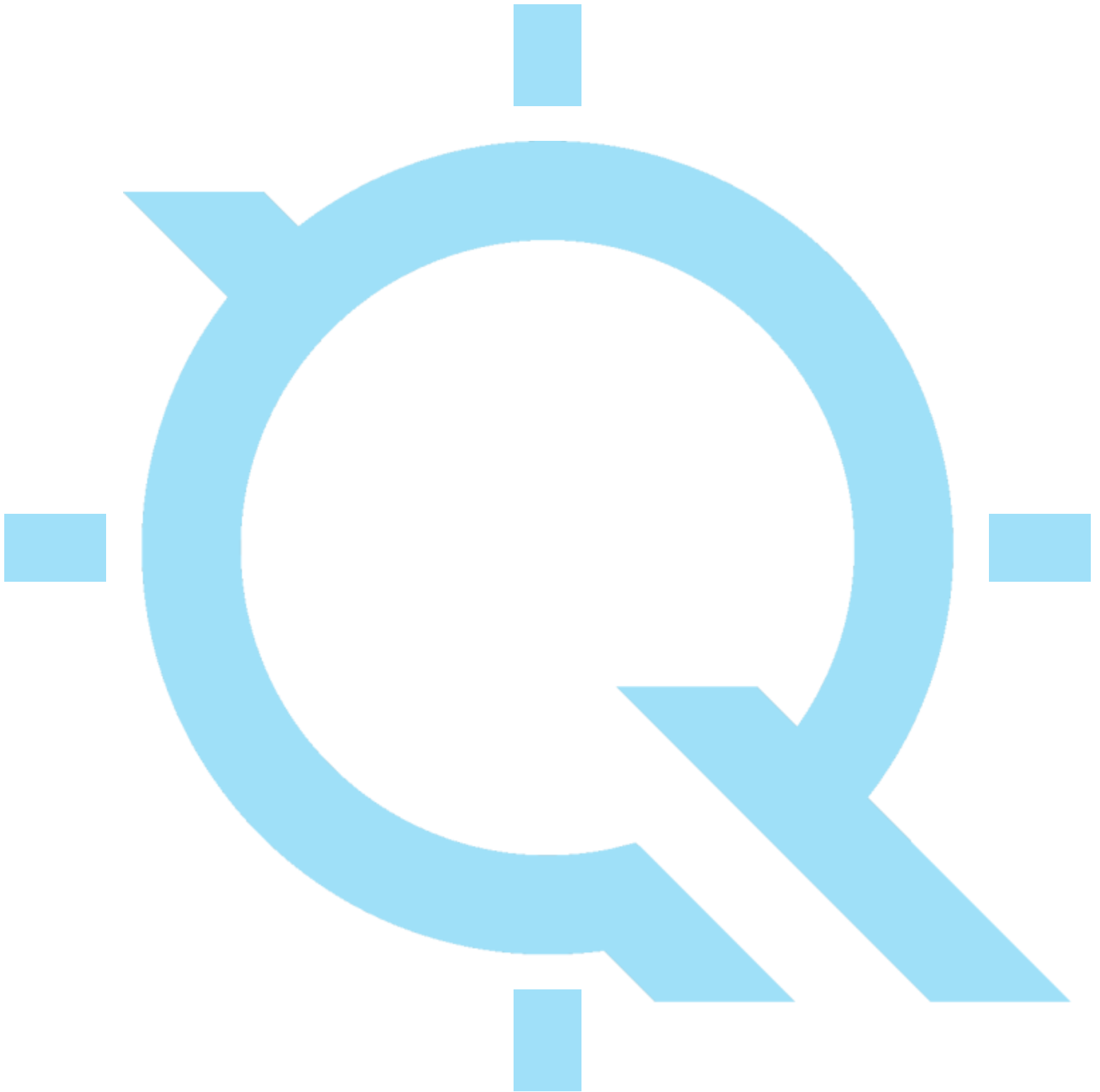


FOCUS on Accuracy



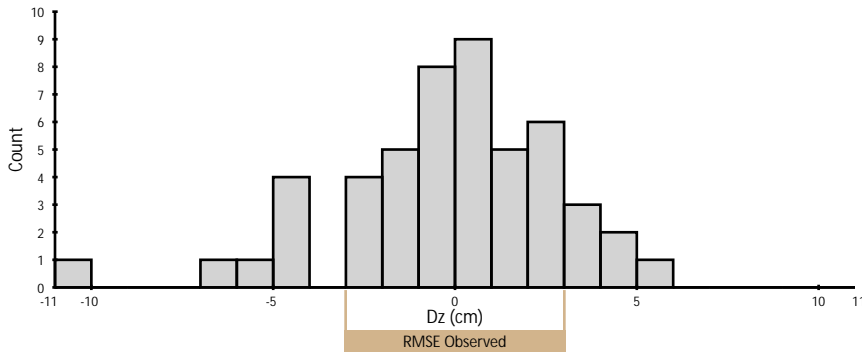
140G0218F0293 Hiawatha
LiDAR Accuracy Assessment

Table of Contents

Project Summary	1
Type Maps	2
Control Point Breakdown	3 - 7
Appendix - Individual Control Point Summaries	A1 - A109

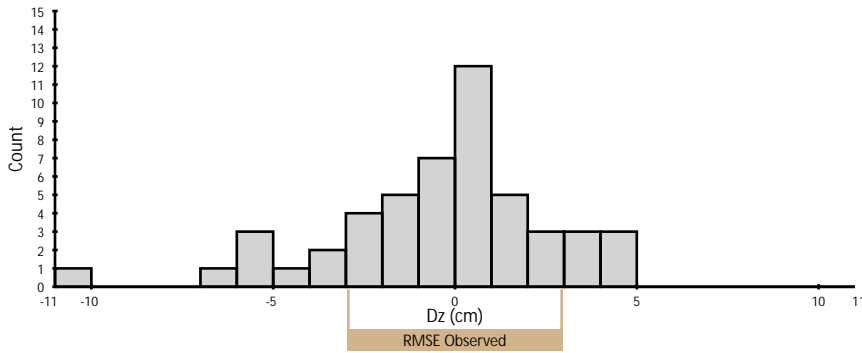
Project Summary

Nonvegetated Vertical Accuracy (Point Cloud)



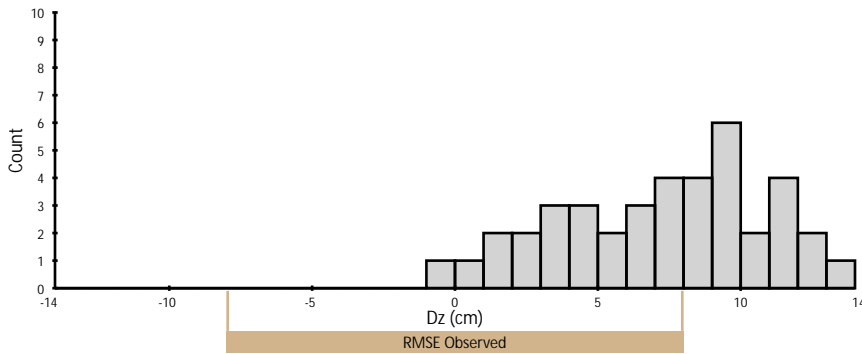
	Observed	Required
RMSE	3.04 cm	10.00 cm
95% Confidence Level	5.97 cm	19.60 cm
Mean	-0.17 cm	N/A
Count	50	N/A

Nonvegetated Vertical Accuracy (DEM)



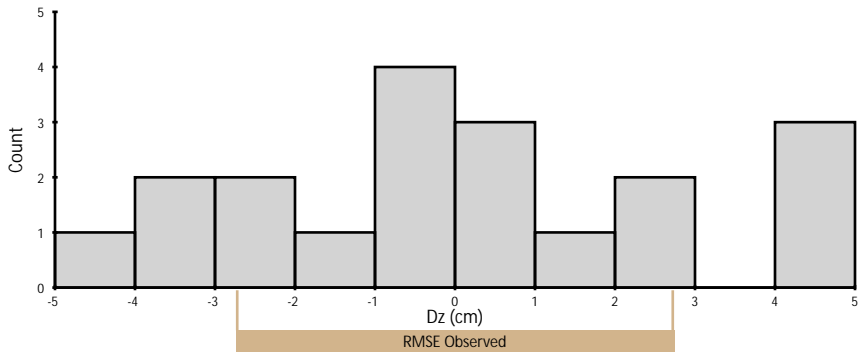
	Observed	Required
RMSE	2.97 cm	N/A
95% Confidence Level	5.82 cm	19.60 cm
Mean	-0.44 cm	N/A
Count	50	N/A

Vegetated Vertical Accuracy (DEM)



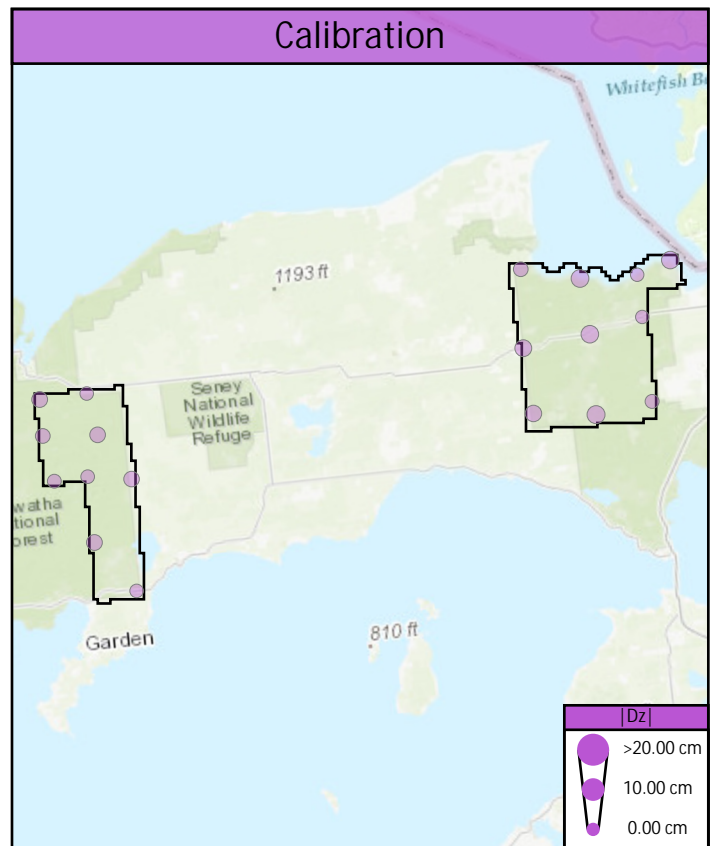
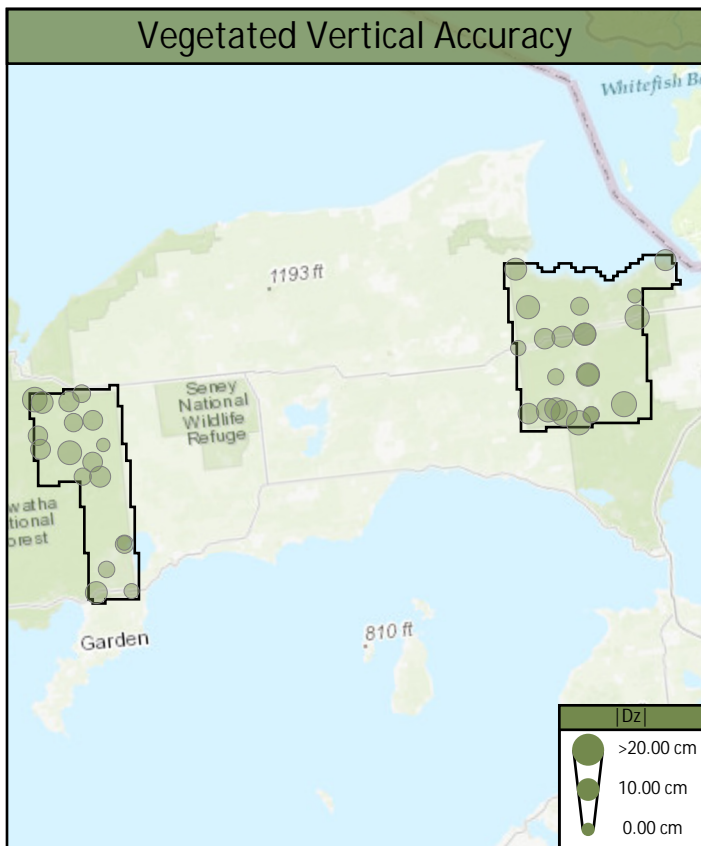
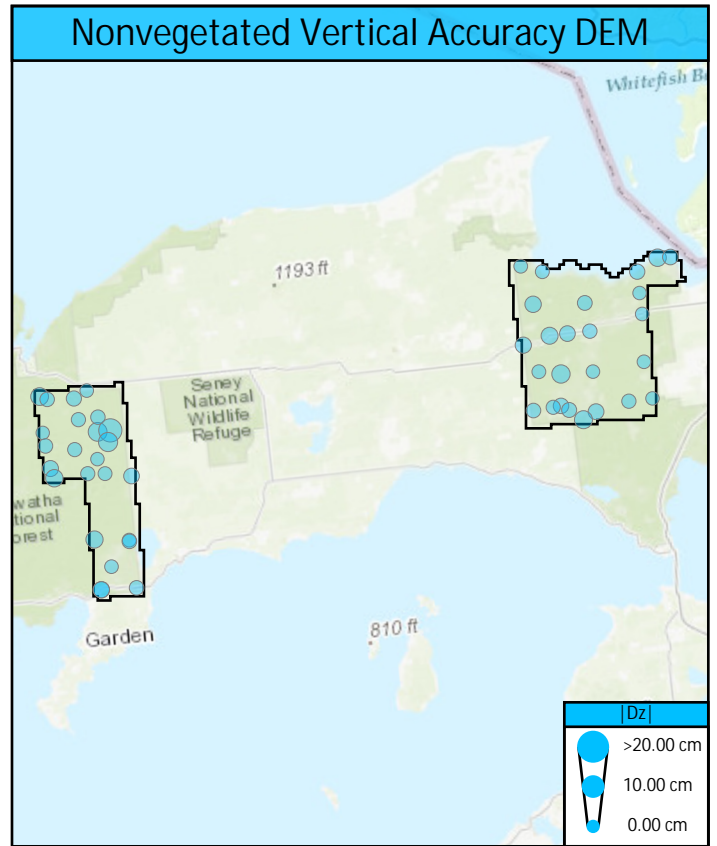
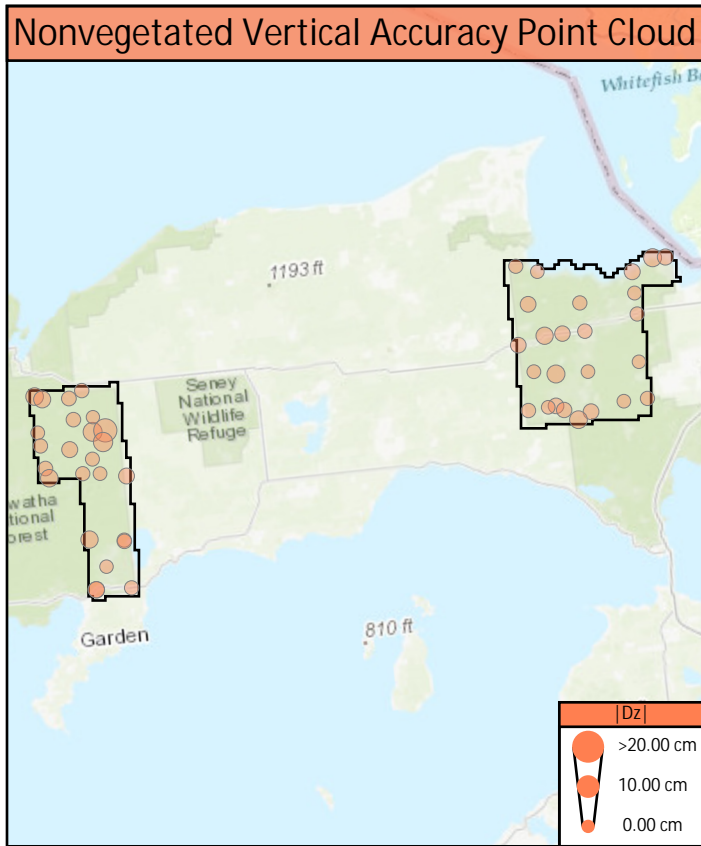
	Observed	Required
RMSE	8.00 cm	N/A
95th Percentile	12.06 cm	29.40 cm
Mean	7.17 cm	N/A
Count	40	N/A

Calibration (Point Cloud)



	Observed	Required
RMSE	2.74 cm	N/A
Mean	0.02 cm	N/A
Count	19	N/A

Control Point Locations



Control Point Breakdown

Point	Type	All Points TIN Dz	DEM Dz	Ground Density	Nearest Ground	Slope
BE01	NVA	4.57 cm	4.74 cm	5.16 ppsm	0.22 m	1.16°
BE02	NVA	3.99 cm	1.25 cm	5.20 ppsm	0.30 m	1.06°
BE03	NVA	-1.52 cm	-1.98 cm	10.61 ppsm	0.20 m	0.71°
BE04	NVA	1.14 cm	0.23 cm	2.76 ppsm	0.12 m	0.82°
BE05	NVA	0.45 cm	-0.01 cm	2.26 ppsm	0.09 m	0.28°
BE06	NVA	1.31 cm	0.95 cm	4.81 ppsm	0.26 m	2.01°
BE07	NVA	-5.98 cm	-5.85 cm	2.97 ppsm	0.21 m	2.08°
BE08	NVA	-10.56 cm	-10.54 cm	2.79 ppsm	0.15 m	1.43°
BE09	NVA	1.04 cm	1.25 cm	2.62 ppsm	0.37 m	1.63°
BE10	NVA	2.88 cm	0.89 cm	4.60 ppsm	0.31 m	0.31°
BE11	NVA	-6.38 cm	-6.21 cm	2.69 ppsm	0.27 m	0.18°
BE12	NVA	-1.38 cm	-2.88 cm	5.38 ppsm	0.39 m	2.53°
BE13	NVA	4.47 cm	4.37 cm	2.65 ppsm	0.31 m	2.48°
BE14	NVA	0.99 cm	0.90 cm	4.92 ppsm	0.36 m	1.27°
BE15	NVA	-0.42 cm	-0.58 cm	2.76 ppsm	0.18 m	2.52°
BE16	NVA	2.72 cm	2.51 cm	2.69 ppsm	0.10 m	1.62°
BE17	NVA	-4.27 cm	-4.13 cm	2.72 ppsm	0.33 m	0.58°
BE18	NVA	-0.92 cm	-0.49 cm	2.76 ppsm	0.06 m	0.77°
BE19	NVA	3.07 cm	3.09 cm	2.72 ppsm	0.25 m	1.61°
BE20	NVA	-1.02 cm	-1.36 cm	2.94 ppsm	0.21 m	1.86°
BE21	NVA	-0.92 cm	-0.42 cm	3.29 ppsm	0.28 m	1.51°
BE22	NVA	-0.31 cm	-0.63 cm	3.71 ppsm	0.06 m	3.32°
BE23	NVA	-2.88 cm	-2.08 cm	2.94 ppsm	0.13 m	2.89°
BE24	NVA	5.03 cm	4.38 cm	2.86 ppsm	0.26 m	0.59°
BE25	NVA	2.57 cm	3.27 cm	5.41 ppsm	0.11 m	0.98°
BE26	NVA	-1.03 cm	-1.56 cm	5.45 ppsm	0.12 m	1.39°

Control Point Breakdown (Continued)

Point	Type	All Points TIN Dz	DEM Dz	Ground Density	Nearest Ground	Slope
BE27	NVA	0.61 cm	0.17 cm	3.22 ppsm	0.17 m	1.04°
BE28	NVA	-2.45 cm	-3.09 cm	4.95 ppsm	0.30 m	0.93°
BE29	NVA	-4.19 cm	-3.90 cm	2.86 ppsm	0.22 m	0.98°
BE30	NVA	1.21 cm	1.10 cm	5.13 ppsm	0.06 m	0.38°
BE31	NVA	0.98 cm	0.34 cm	2.94 ppsm	0.21 m	0.24°
BE32	NVA	0.51 cm	0.53 cm	5.62 ppsm	0.13 m	1.27°
BE33	NVA	-4.93 cm	-5.30 cm	3.40 ppsm	0.18 m	1.47°
BE34	NVA	0.32 cm	0.20 cm	5.84 ppsm	0.22 m	0.23°
BE35	NVA	-0.18 cm	0.32 cm	9.48 ppsm	0.02 m	1.12°
BE36	NVA	-1.12 cm	-1.35 cm	3.11 ppsm	0.39 m	1.52°
BE37	NVA	2.49 cm	2.30 cm	5.06 ppsm	0.16 m	0.55°
BE38	NVA	-2.56 cm	-2.65 cm	6.30 ppsm	0.43 m	1.35°
BE39	NVA	-0.37 cm	-0.99 cm	6.65 ppsm	0.17 m	1.07°
BE40	NVA	1.00 cm	0.12 cm	4.28 ppsm	0.30 m	0.22°
BE41	NVA	-4.74 cm	-5.02 cm	3.15 ppsm	0.43 m	1.31°
UA01	NVA	-0.02 cm	-1.20 cm	4.85 ppsm	0.30 m	0.97°
UA02	NVA	0.72 cm	-0.14 cm	4.95 ppsm	0.19 m	1.05°
UA03	NVA	3.38 cm	3.24 cm	2.72 ppsm	0.43 m	0.55°
UA04	NVA	1.34 cm	1.39 cm	2.79 ppsm	0.26 m	0.74°
UA05	NVA	-0.17 cm	0.35 cm	3.47 ppsm	0.13 m	2.09°
UA06	NVA	-2.28 cm	-2.52 cm	3.47 ppsm	0.38 m	1.35°
UA07	NVA	2.97 cm	2.43 cm	3.15 ppsm	0.21 m	0.90°
UA08	NVA	2.20 cm	1.78 cm	3.01 ppsm	0.29 m	0.17°
UA09	NVA	0.36 cm	0.89 cm	6.37 ppsm	0.43 m	0.41°
FO01	VVA	N/A	12.03 cm	14.78 ppsm	0.27 m	1.47°
FO02	VVA	N/A	7.36 cm	12.66 ppsm	0.37 m	1.99°

Control Point Breakdown (Continued)

Point	Type	All Points TIN Dz	DEM Dz	Ground Density	Nearest Ground	Slope
FO03	VVA	N/A	4.71 cm	8.10 ppsm	0.41 m	2.18°
FO04	VVA	N/A	6.48 cm	7.99 ppsm	0.32 m	5.58°
FO05	VVA	N/A	5.41 cm	10.47 ppsm	0.11 m	1.18°
FO06	VVA	N/A	6.83 cm	14.36 ppsm	0.45 m	1.13°
FO07	VVA	N/A	7.02 cm	5.76 ppsm	0.44 m	1.27°
FO08	VVA	N/A	11.15 cm	10.04 ppsm	0.35 m	1.13°
FO09	VVA	N/A	-0.06 cm	6.12 ppsm	0.45 m	1.80°
FO10	VVA	N/A	6.79 cm	11.32 ppsm	0.26 m	0.83°
FO11	VVA	N/A	8.19 cm	6.86 ppsm	0.07 m	1.41°
FO12	VVA	N/A	5.26 cm	9.16 ppsm	0.25 m	2.10°
FO13	VVA	N/A	1.27 cm	7.75 ppsm	0.47 m	0.99°
FO14	VVA	N/A	3.41 cm	9.41 ppsm	0.14 m	3.75°
FO15	VVA	N/A	9.19 cm	5.87 ppsm	0.32 m	3.85°
FO16	VVA	N/A	9.14 cm	10.26 ppsm	0.26 m	3.35°
FO17	VVA	N/A	10.52 cm	13.79 ppsm	0.13 m	1.76°
FO18	VVA	N/A	4.91 cm	11.67 ppsm	0.24 m	4.33°
FO19	VVA	N/A	0.73 cm	7.18 ppsm	0.31 m	4.12°
FO20	VVA	N/A	2.12 cm	11.28 ppsm	0.28 m	1.94°
FO21	VVA	N/A	8.22 cm	5.80 ppsm	0.56 m	2.41°
FO22	VVA	N/A	11.62 cm	4.88 ppsm	0.44 m	3.06°
FO23	VVA	N/A	3.05 cm	8.24 ppsm	0.08 m	2.25°
FO24	VVA	N/A	8.97 cm	11.07 ppsm	0.47 m	0.57°
FO25	VVA	N/A	9.40 cm	9.16 ppsm	0.20 m	1.07°
FO26	VVA	N/A	7.80 cm	5.06 ppsm	0.31 m	4.31°
FO27	VVA	N/A	11.02 cm	5.09 ppsm	0.35 m	1.17°
FO28	VVA	N/A	9.65 cm	5.66 ppsm	0.55 m	0.71°

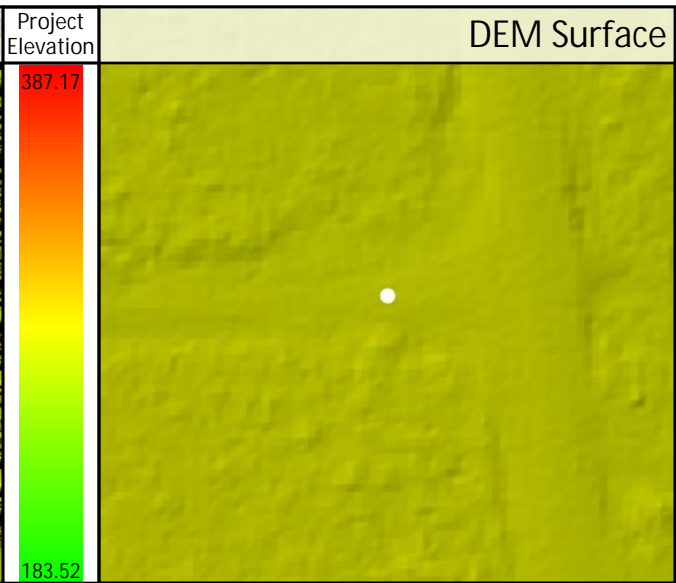
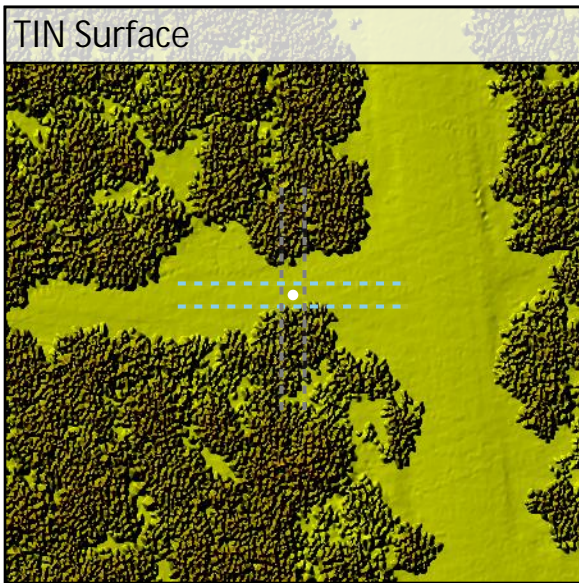
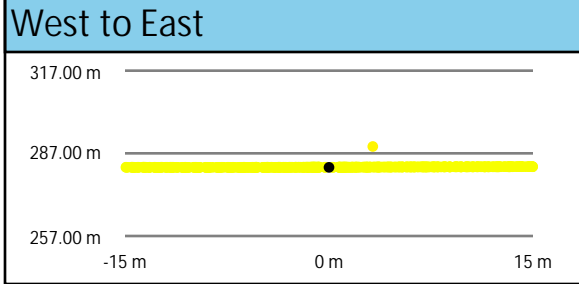
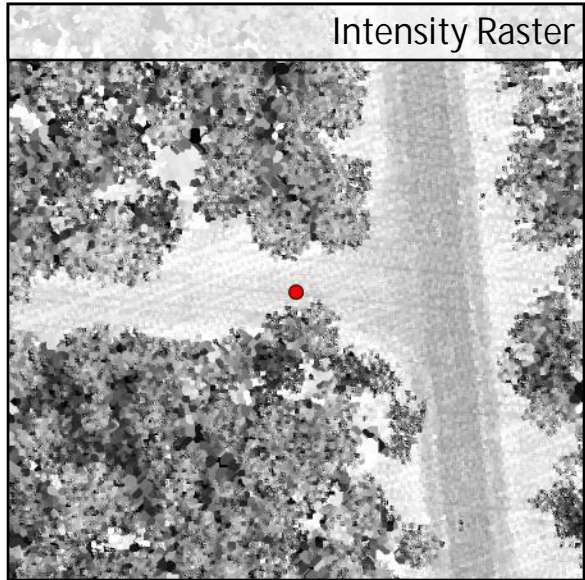
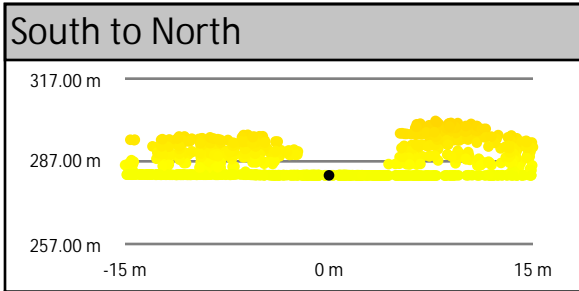
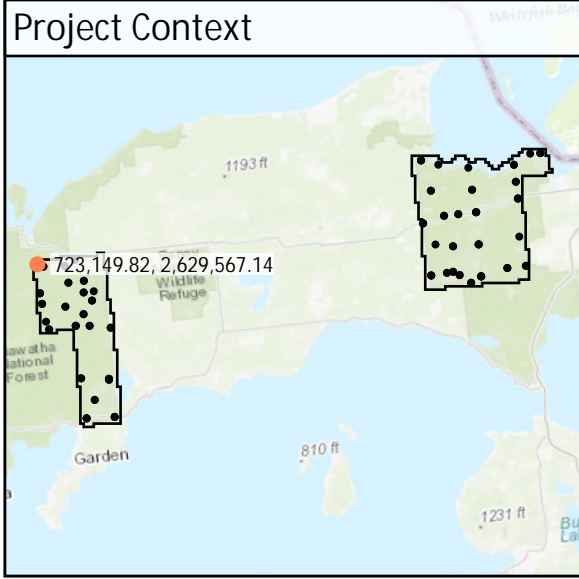
Control Point Breakdown (Continued)

Point	Type	All Points TIN Dz	DEM Dz	Ground Density	Nearest Ground	Slope
FO29	VVA	N/A	13.70 cm	7.46 ppsm	0.53 m	1.08°
FO30	VVA	N/A	11.78 cm	7.99 ppsm	0.24 m	4.71°
FO31	VVA	N/A	2.60 cm	17.54 ppsm	0.10 m	3.47°
FO32	VVA	N/A	12.50 cm	15.24 ppsm	0.56 m	2.52°
FO33	VVA	N/A	8.18 cm	7.89 ppsm	0.36 m	1.49°
SH01	VVA	N/A	1.81 cm	5.52 ppsm	0.32 m	1.07°
SH02	VVA	N/A	9.40 cm	10.50 ppsm	0.04 m	1.16°
SH03	VVA	N/A	10.72 cm	10.57 ppsm	0.34 m	1.30°
TW01	VVA	N/A	9.07 cm	7.71 ppsm	0.18 m	1.66°
TW02	VVA	N/A	4.12 cm	5.41 ppsm	0.16 m	3.18°
TW03	VVA	N/A	7.64 cm	2.76 ppsm	0.29 m	0.15°
TW04	VVA	N/A	3.22 cm	6.44 ppsm	0.22 m	2.06°
CA01	CAL	2.64 cm	1.20 cm	3.89 ppsm	0.08 m	4.40°
CA02	CAL	0.20 cm	-0.47 cm	2.69 ppsm	0.29 m	1.11°
CA03	CAL	-2.46 cm	-1.48 cm	2.90 ppsm	0.04 m	5.24°
CA04	CAL	-1.49 cm	-1.68 cm	2.30 ppsm	0.18 m	2.14°
CA05	CAL	2.35 cm	1.78 cm	2.69 ppsm	0.04 m	0.89°
CA06	CAL	0.35 cm	0.03 cm	5.06 ppsm	0.50 m	1.15°
CA07	CAL	-0.54 cm	-0.20 cm	2.16 ppsm	0.45 m	2.84°
CA08	CAL	-2.65 cm	-3.65 cm	2.79 ppsm	0.32 m	0.68°
CA09	CAL	-0.21 cm	-0.90 cm	2.65 ppsm	0.33 m	3.13°
CA10	CAL	1.40 cm	1.46 cm	3.36 ppsm	0.37 m	1.71°
CA11	CAL	4.70 cm	3.90 cm	4.88 ppsm	0.14 m	0.82°
CA12	CAL	-0.15 cm	0.33 cm	3.08 ppsm	0.32 m	1.47°
CA13	CAL	4.49 cm	4.53 cm	3.08 ppsm	0.19 m	0.84°
CA14	CAL	-3.74 cm	-3.10 cm	5.38 ppsm	0.04 m	2.40°

Control Point Breakdown (Continued)

Point	Type	All Points TIN Dz	DEM Dz	Ground Density	Nearest Ground	Slope
CA15	CAL	4.49 cm	5.09 cm	5.38 ppsm	0.12 m	2.32°
CA16	CAL	0.02 cm	0.00 cm	2.83 ppsm	0.08 m	1.61°
CA17	CAL	-3.33 cm	-3.45 cm	2.97 ppsm	0.26 m	2.78°
CA18	CAL	-4.94 cm	-4.55 cm	6.08 ppsm	0.26 m	0.93°
CA19	CAL	-0.66 cm	-0.91 cm	4.95 ppsm	0.35 m	1.80°

BE01	Known Z	281.91 m	Point Density	4.63 ppsm
	DEM Dz	0.05 m	Ground Density	5.16 ppsm
	All Points TIN Dz	0.05 m	Slope	1.16 °

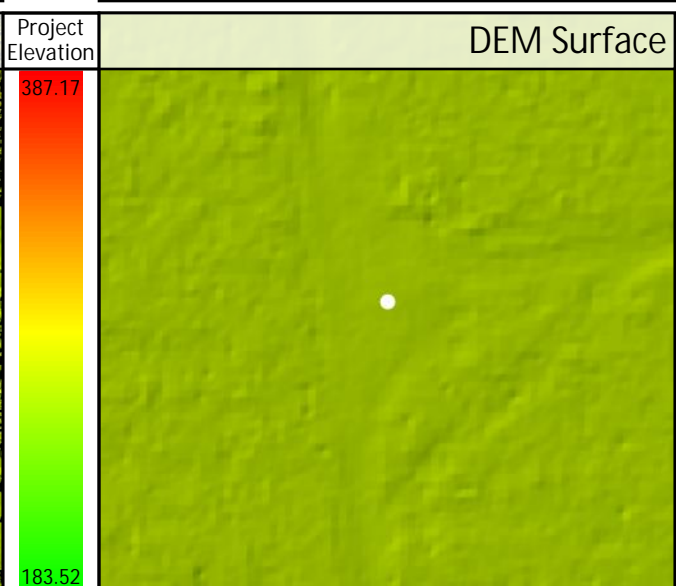
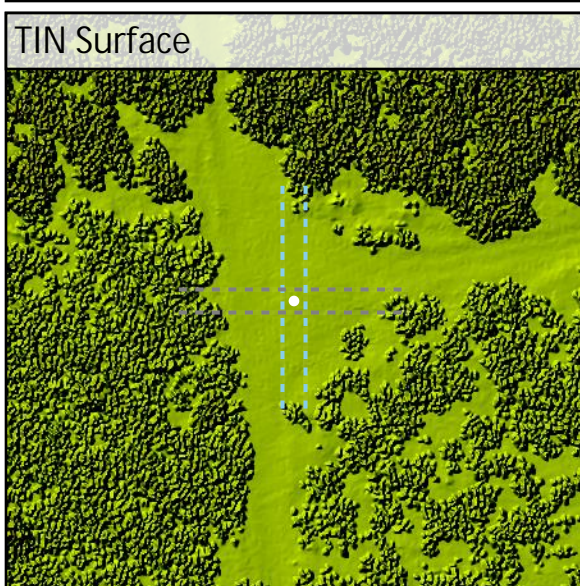
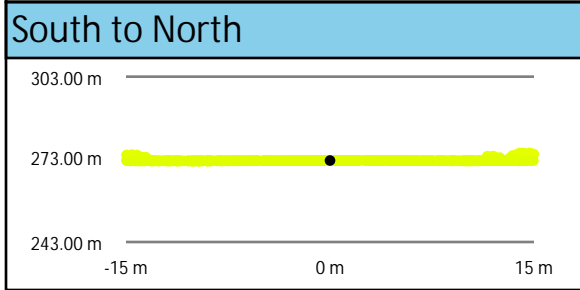
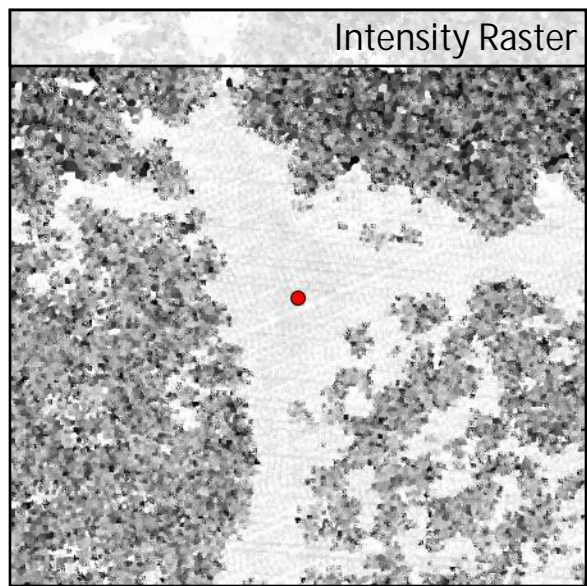
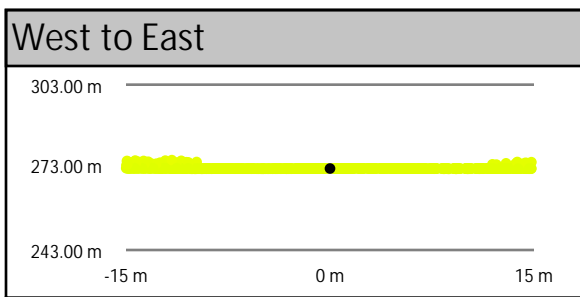
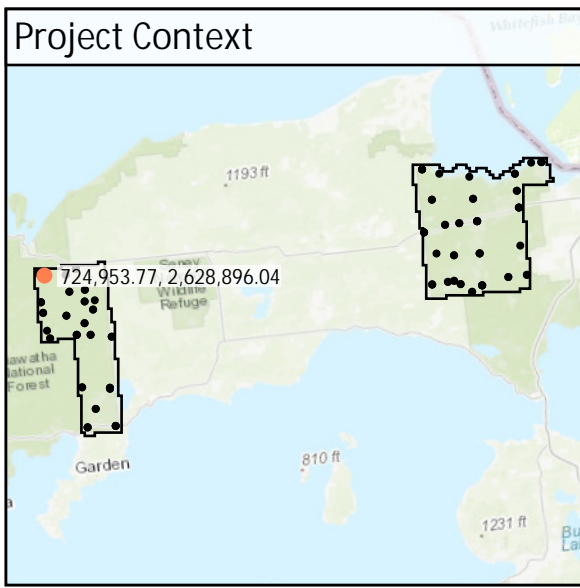


DEM Dz +0.05 m

NVA - BE01

All Points TIN Dz +0.05 m

BE02	Known Z	272.57 m	Point Density	5.20 ppsm
	DEM Dz	0.01 m	Ground Density	5.20 ppsm
	All Points TIN Dz	0.04 m	Slope	1.06 °

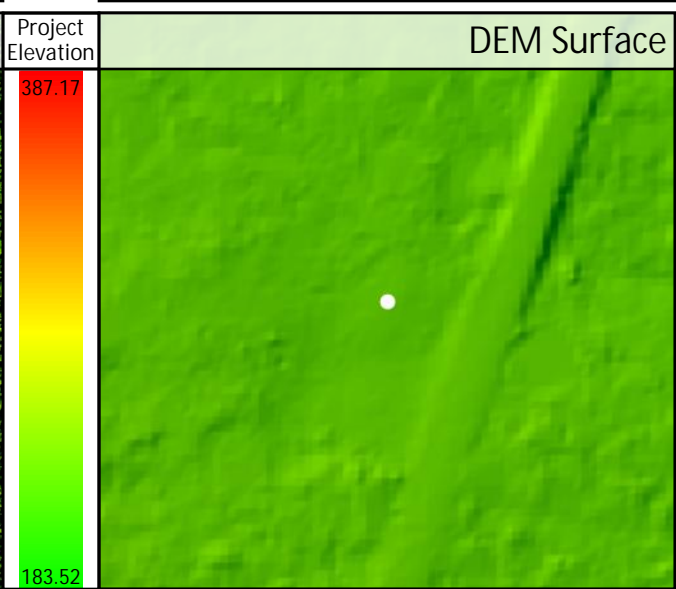
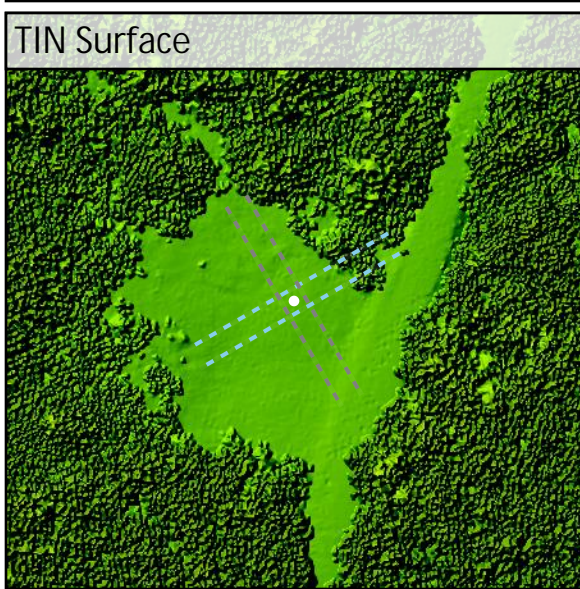
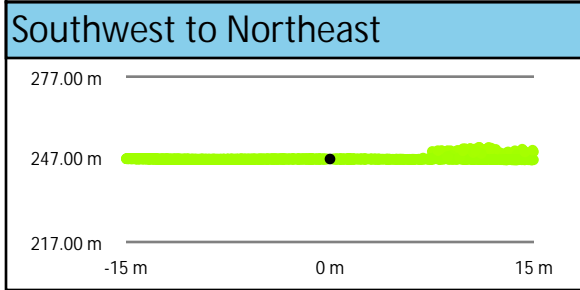
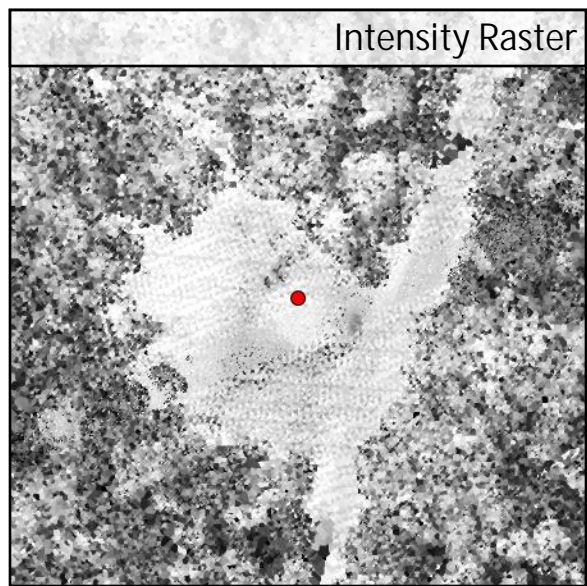
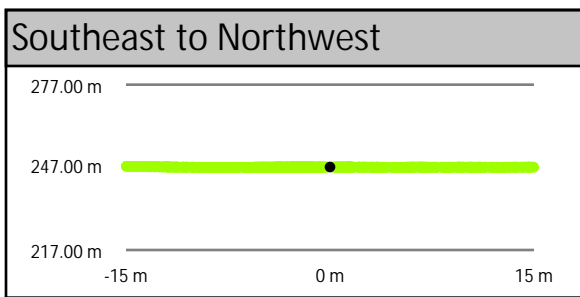
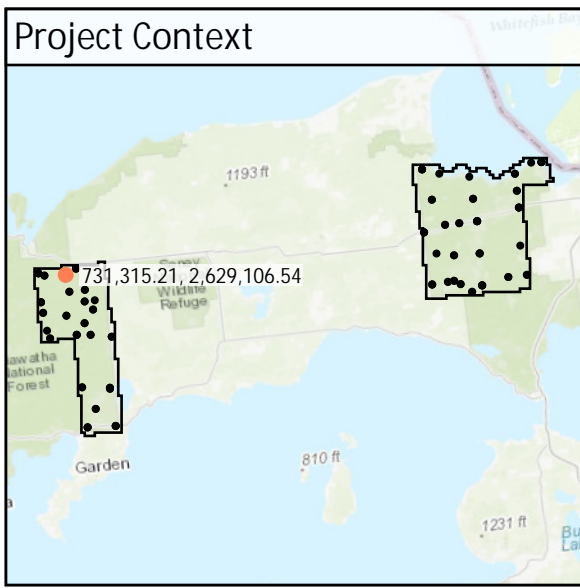


DEM Dz +0.01 m

NVA - BE02

All Points TIN Dz +0.04 m

BE03	Known Z	247.12 m	Point Density	10.61 ppsm
	DEM Dz	-0.02 m	Ground Density	10.61 ppsm
	All Points TIN Dz	-0.02 m	Slope	0.71 °

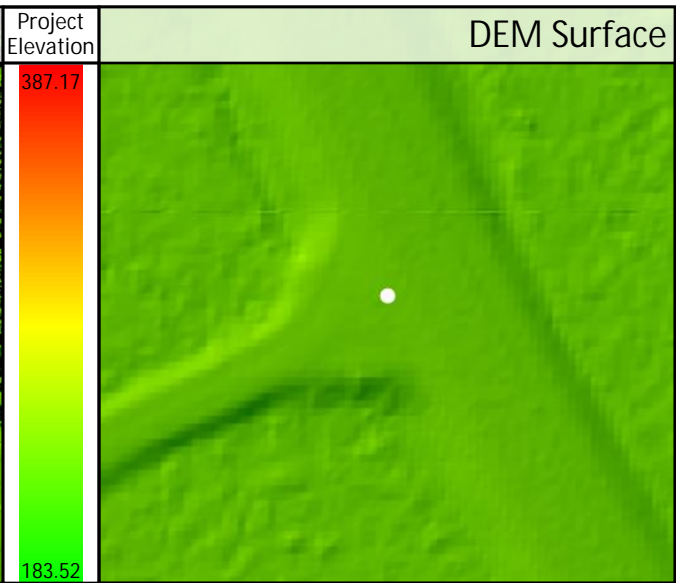
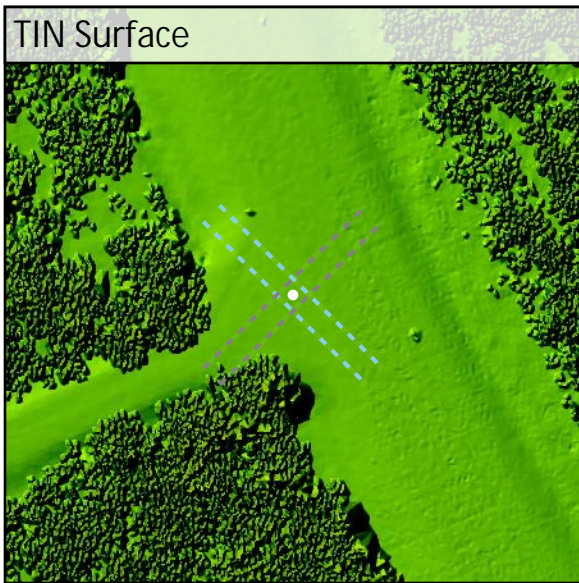
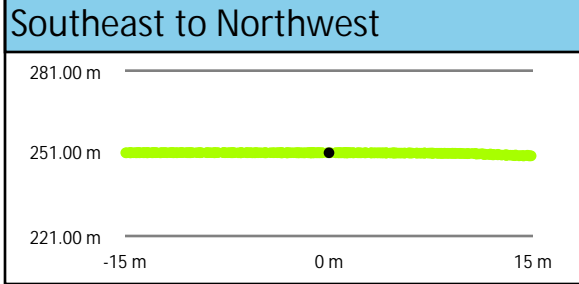
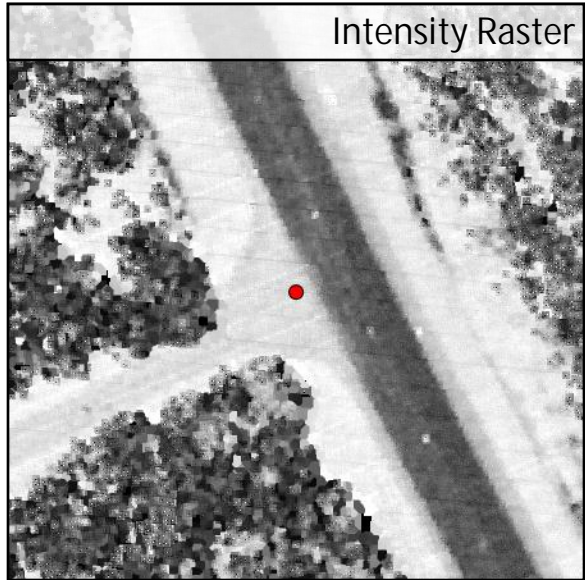
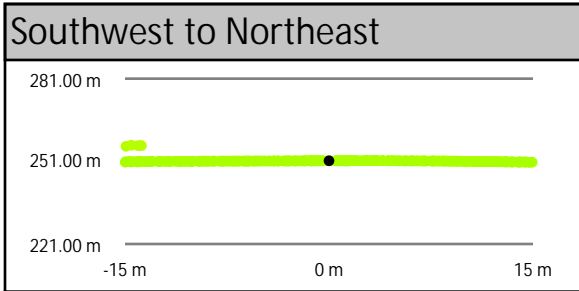
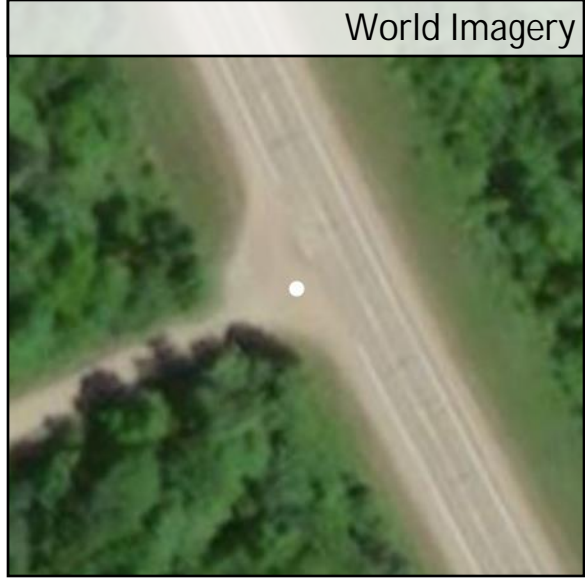
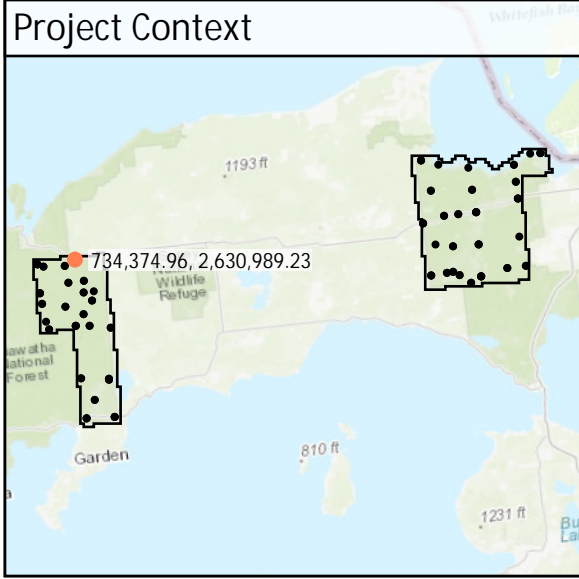


DEM Dz -0.02 m

NVA - BE03

All Points TIN Dz -0.02 m

BE04	Known Z	251.20 m	Point Density	2.76 ppsm
	DEM Dz	0.00 m	Ground Density	2.76 ppsm
	All Points TIN Dz	0.01 m	Slope	0.82 °

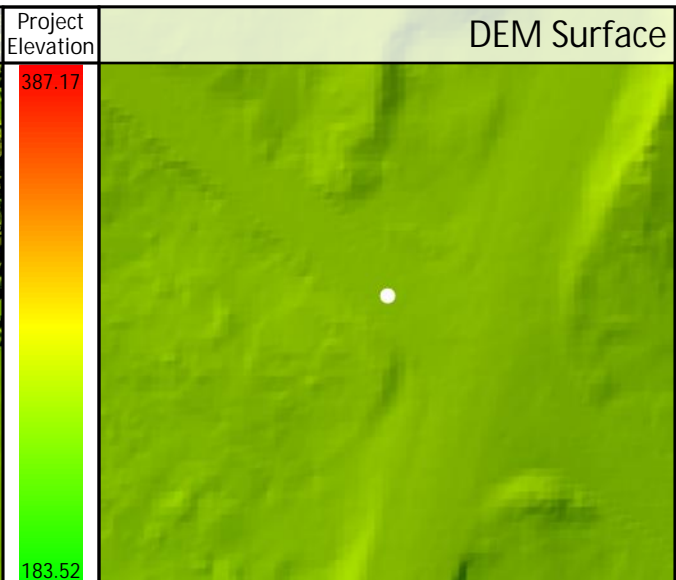
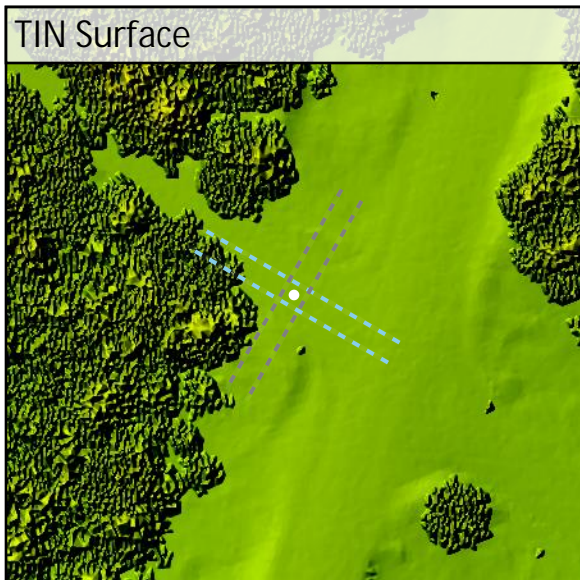
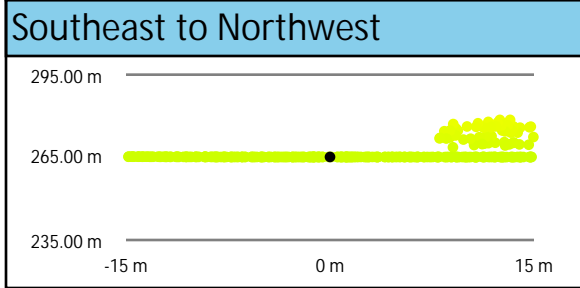
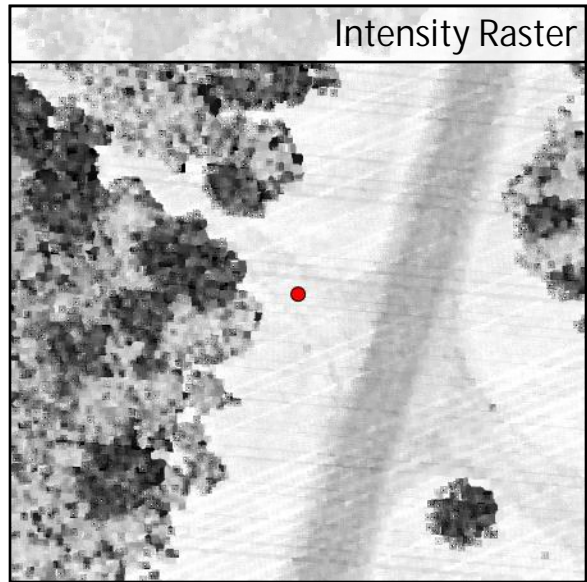
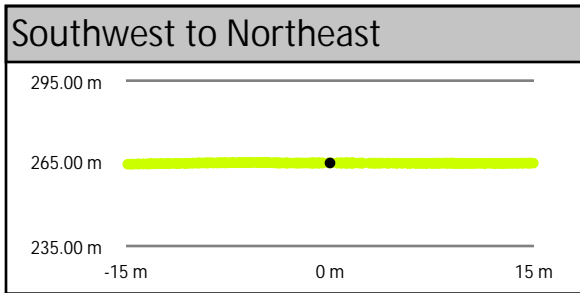
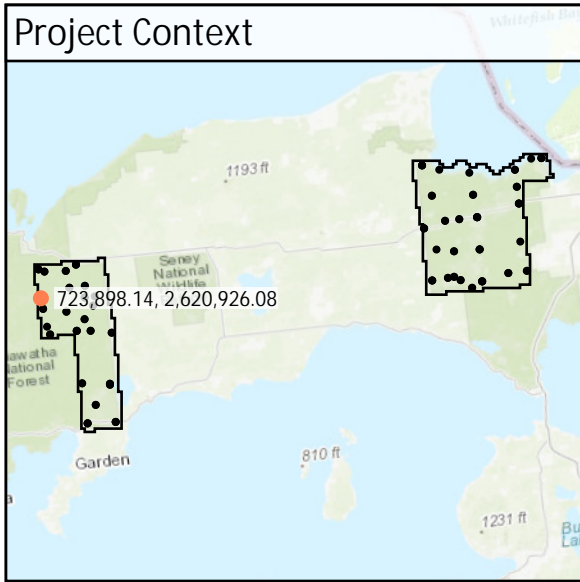


DEM Dz +0.00 m

NVA - BE04

All Points TIN Dz +0.01 m

BE05	Known Z	265.13 m	Point Density	2.26 ppsm
	DEM Dz	0.00 m	Ground Density	2.26 ppsm
	All Points TIN Dz	0.00 m	Slope	0.28 °

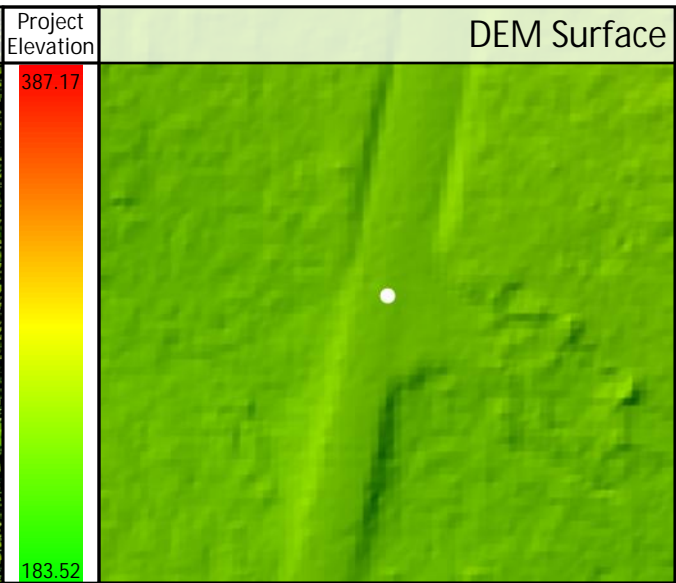
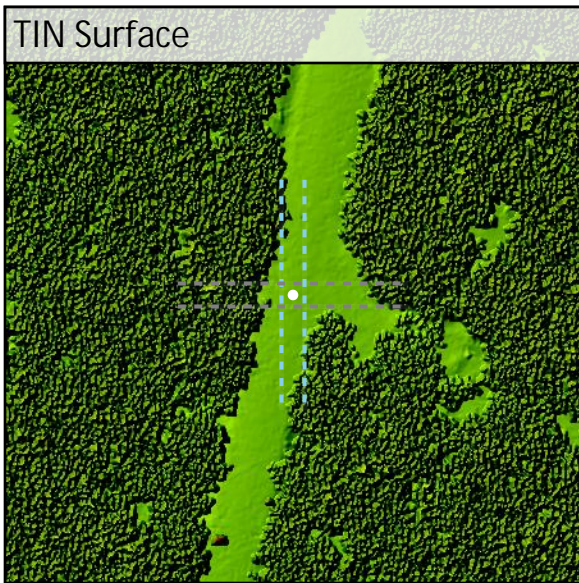
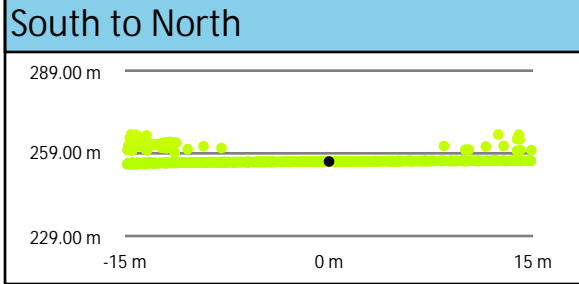
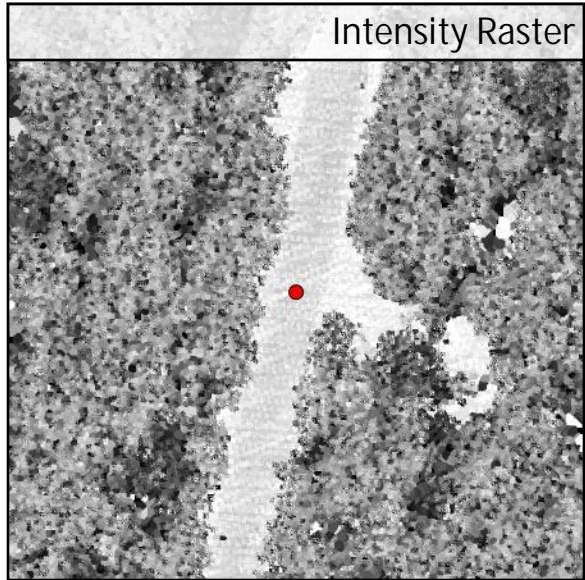
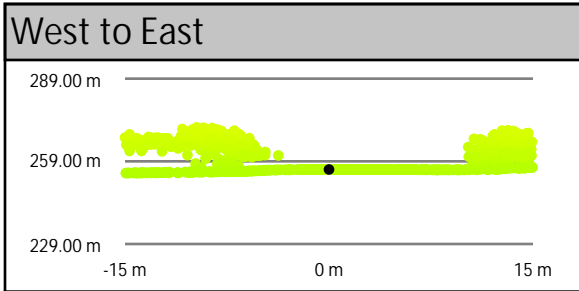
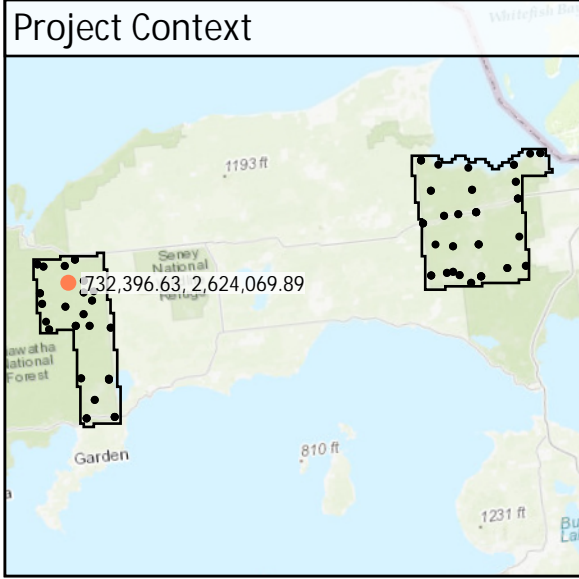


DEM Dz 0.00 m

NVA - BE05

All Points TIN Dz +0.00 m

BE06	Known Z	256.04 m	Point Density	4.35 ppsm
	DEM Dz	0.01 m	Ground Density	4.81 ppsm
	All Points TIN Dz	0.01 m	Slope	2.01 °

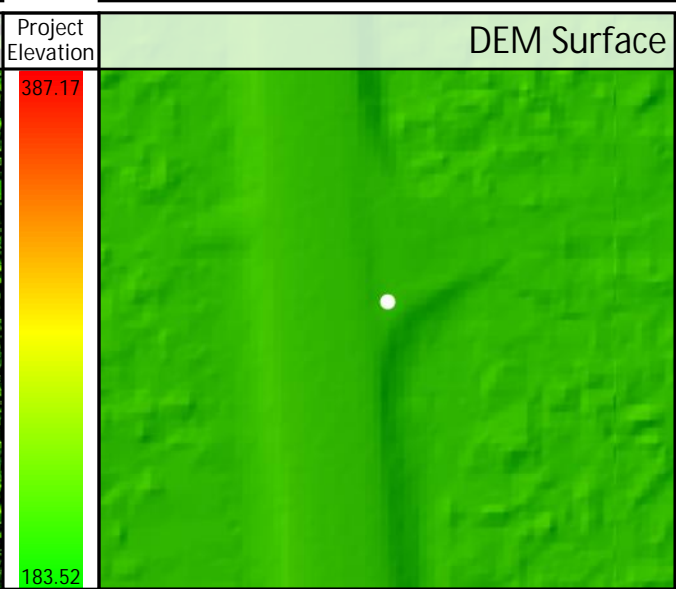
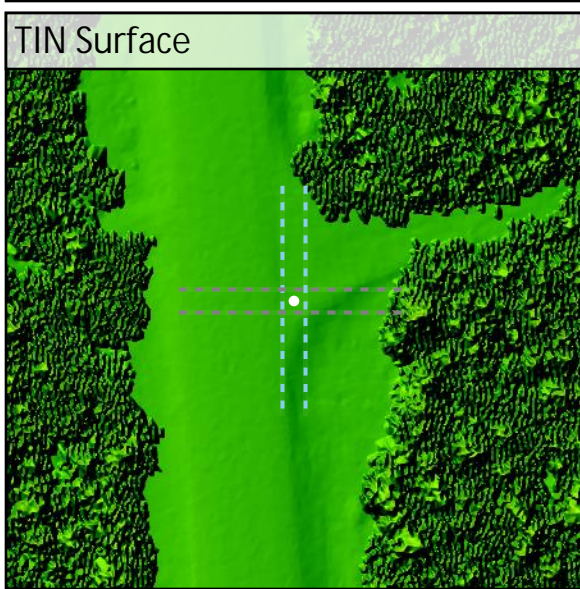
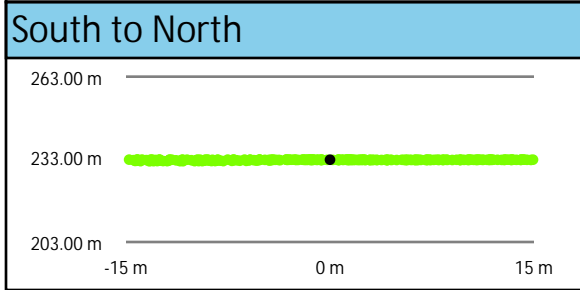
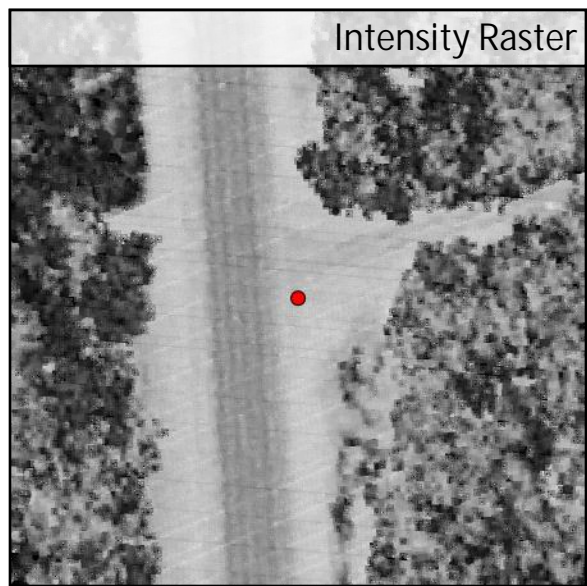
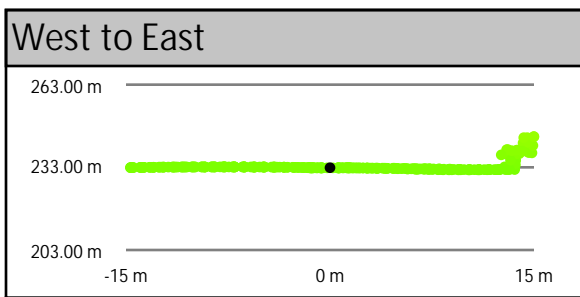
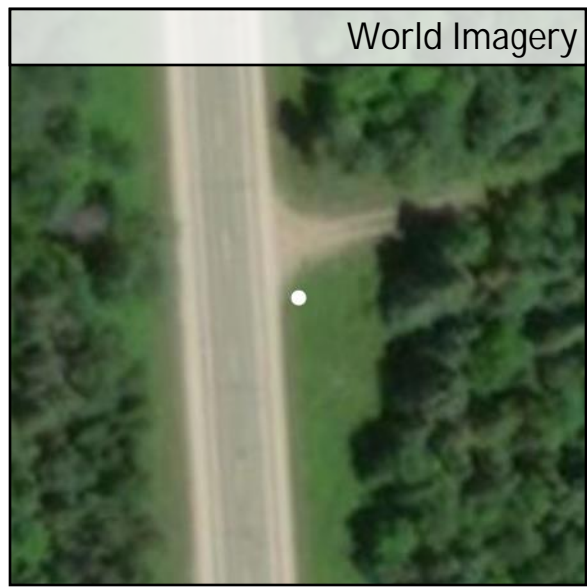
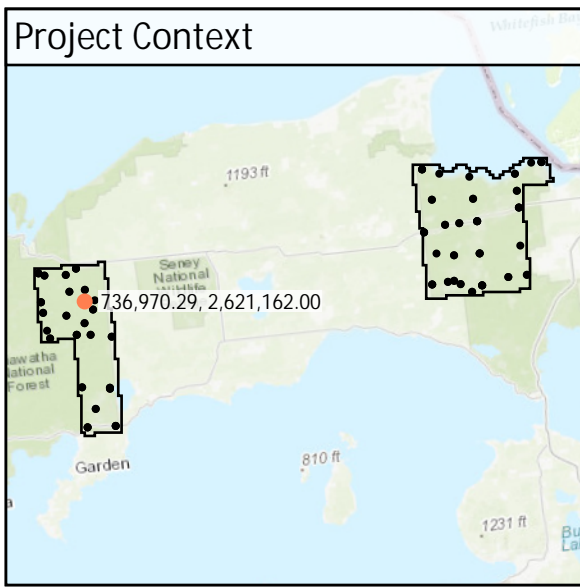


DEM Dz +0.01 m

NVA - BE06

All Points TIN Dz +0.01 m

BE07	Known Z	232.86 m	Point Density	2.97 ppsm
	DEM Dz	-0.06 m	Ground Density	2.97 ppsm
	All Points TIN Dz	-0.06 m	Slope	2.08 °

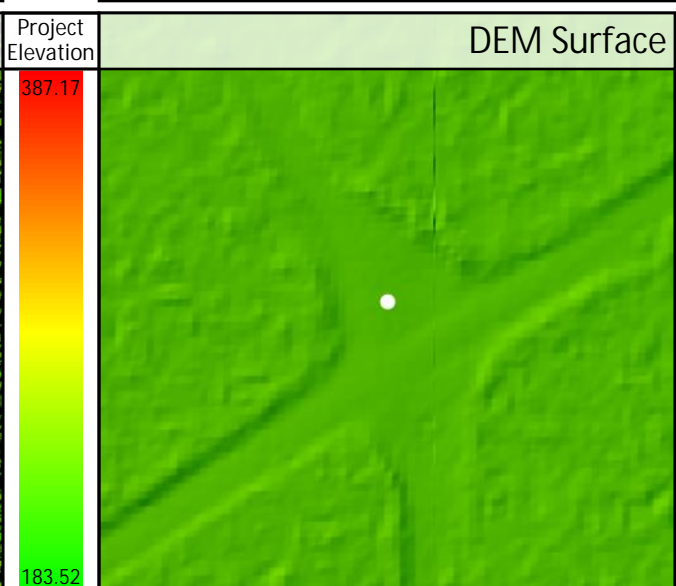
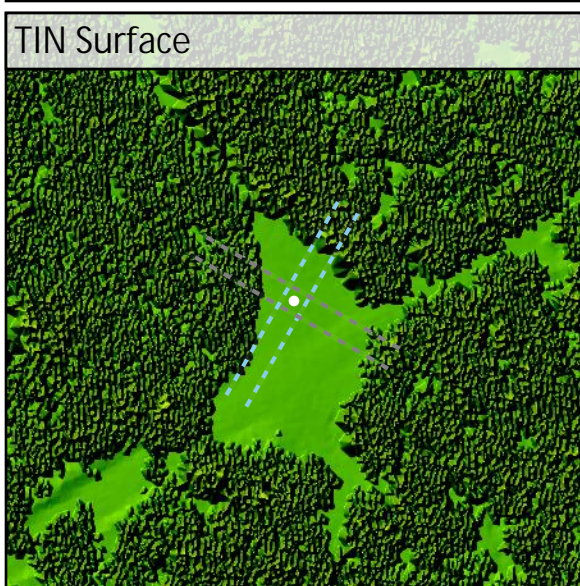
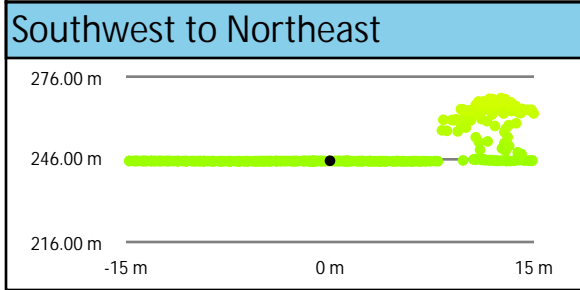
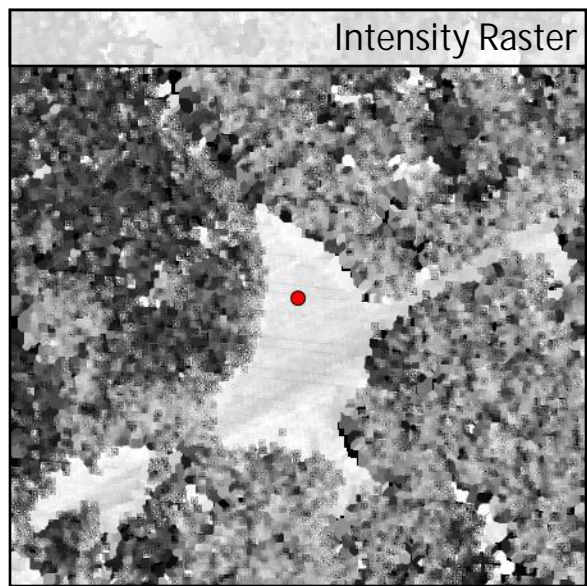
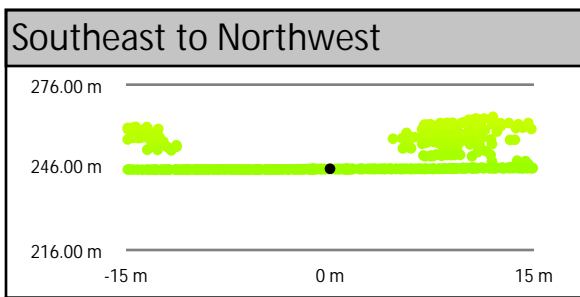
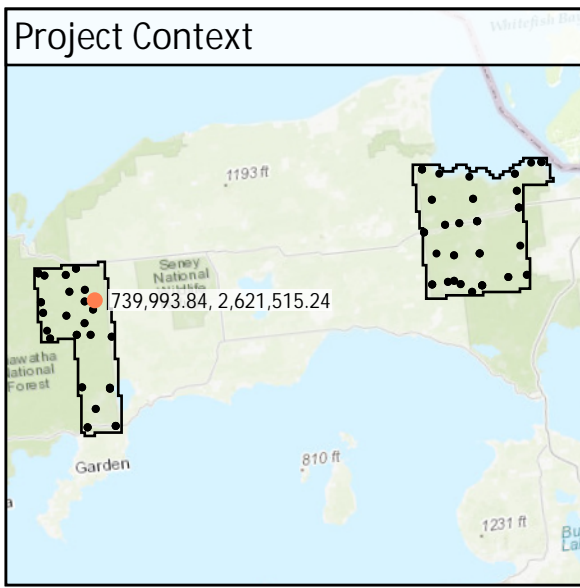


DEM Dz -0.06 m

NVA - BE07

All Points TIN Dz -0.06 m

BE08	Known Z	245.48 m	Point Density	2.79 ppsm
	DEM Dz	-0.11 m	Ground Density	2.79 ppsm
	All Points TIN Dz	-0.11 m	Slope	1.43 °

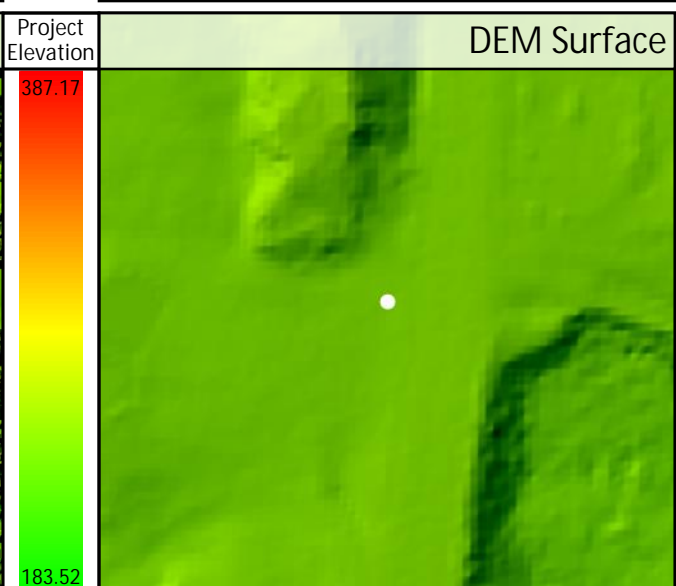
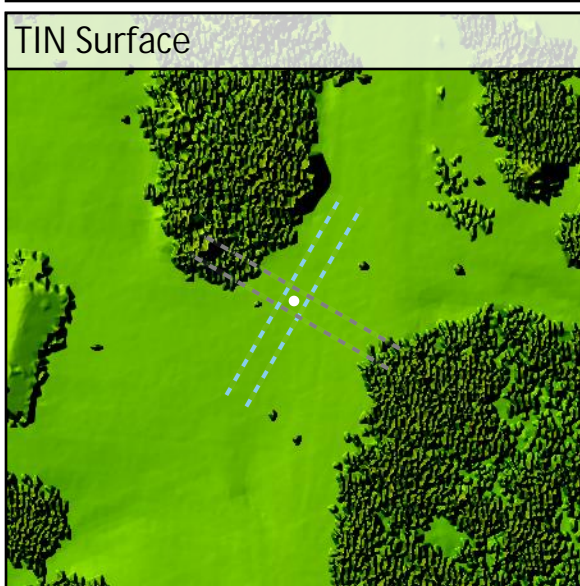
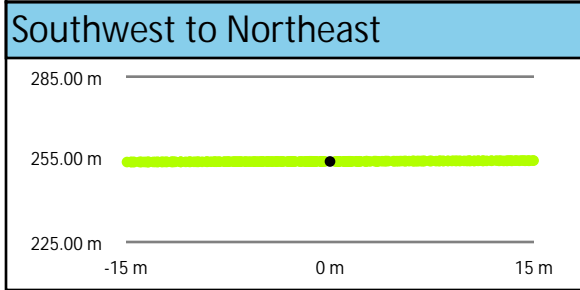
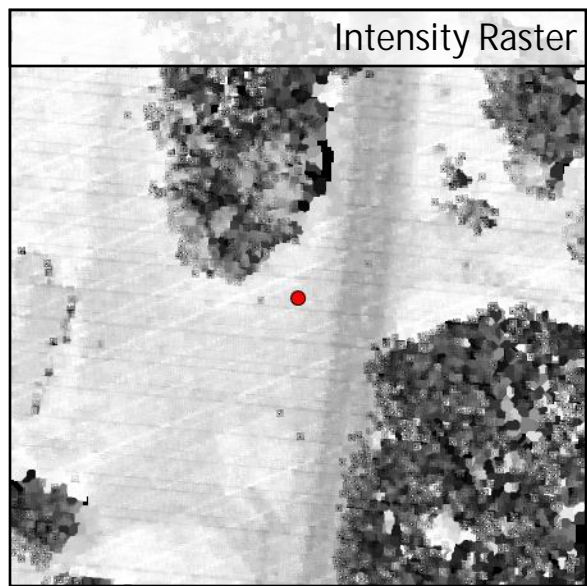
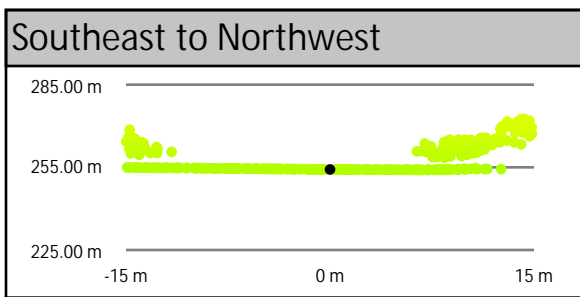
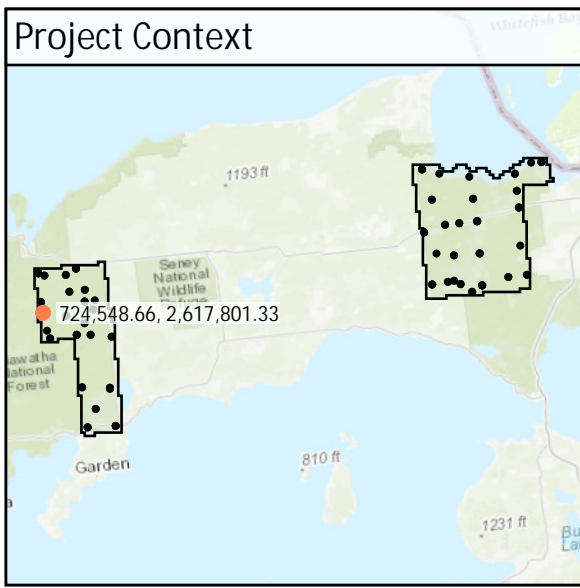


DEM Dz -0.11 m

NVA - BE08

All Points TIN Dz -0.11 m

BE09	Known Z	254.22 m	Point Density	2.62 ppsm
	DEM Dz	0.01 m	Ground Density	2.62 ppsm
	All Points TIN Dz	0.01 m	Slope	1.63 °

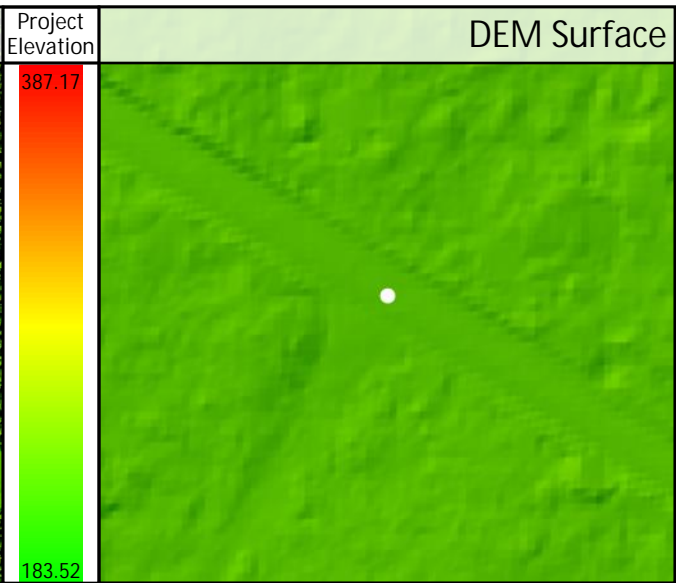
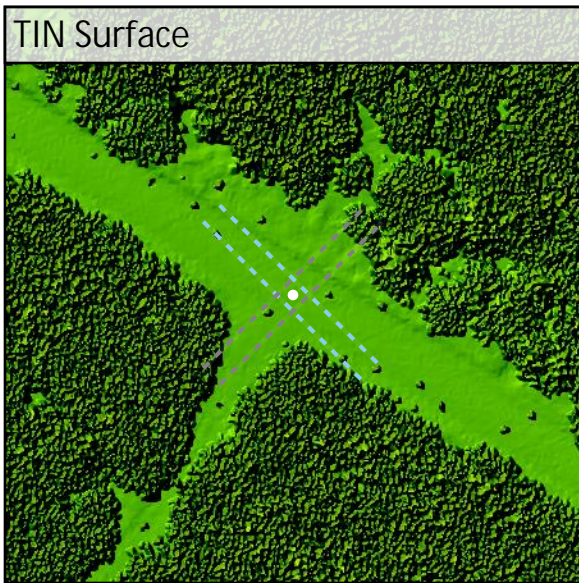
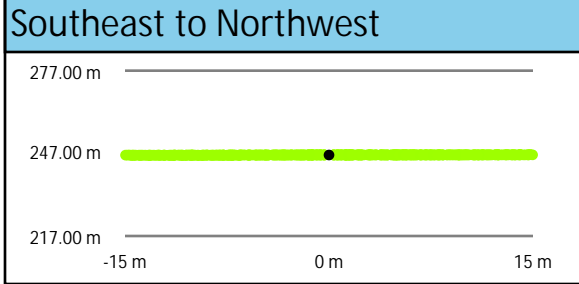
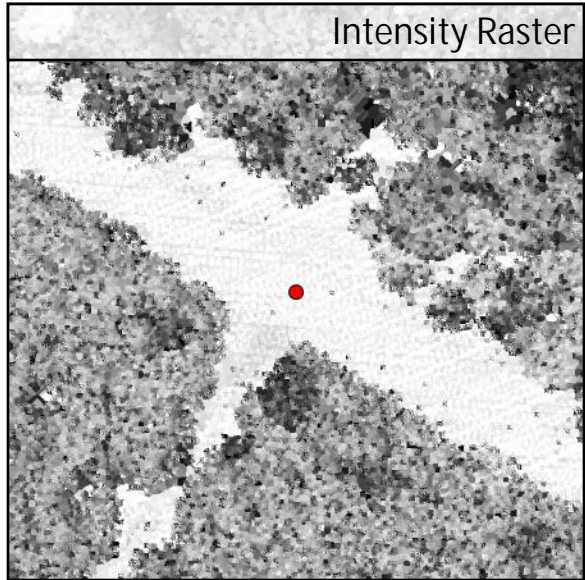
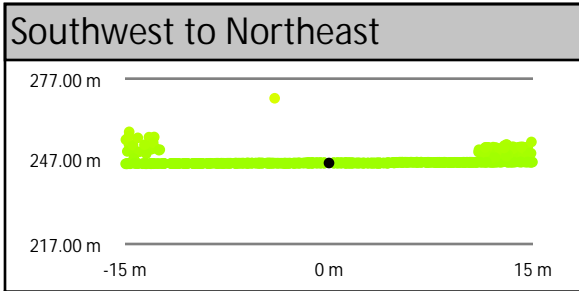
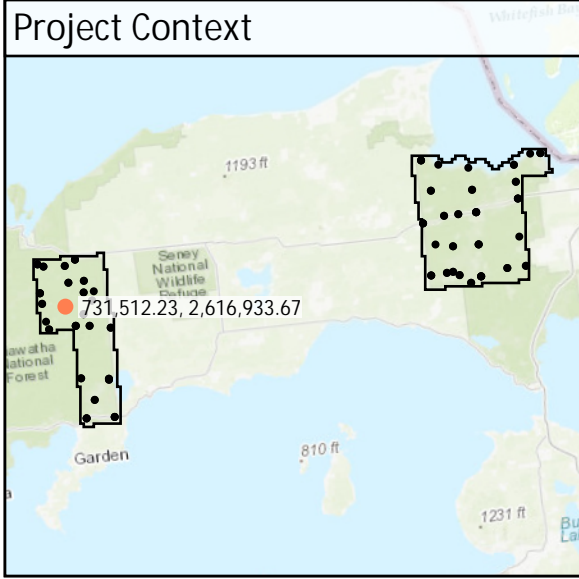


DEM Dz +0.01 m

NVA - BE09

All Points TIN Dz +0.01 m

BE10	Known Z	246.40 m	Point Density	4.60 ppsm
	DEM Dz	0.01 m	Ground Density	4.60 ppsm
	All Points TIN Dz	0.03 m	Slope	0.31 °

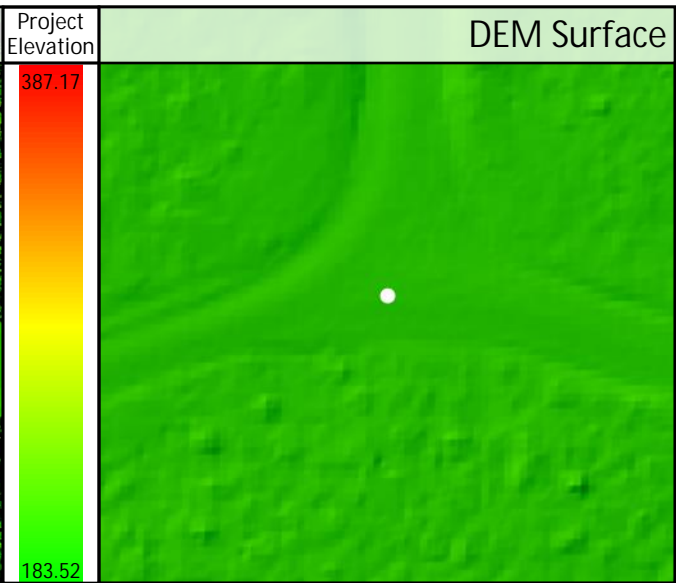
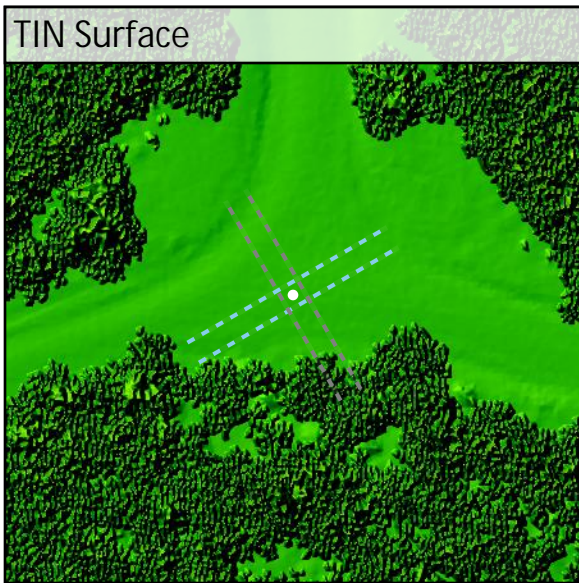
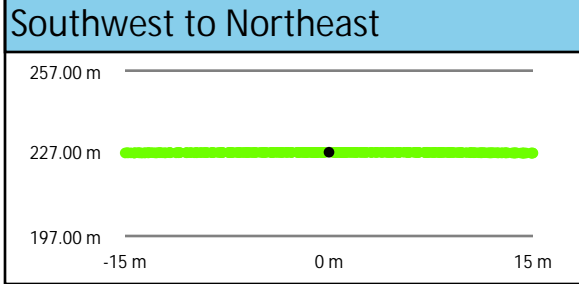
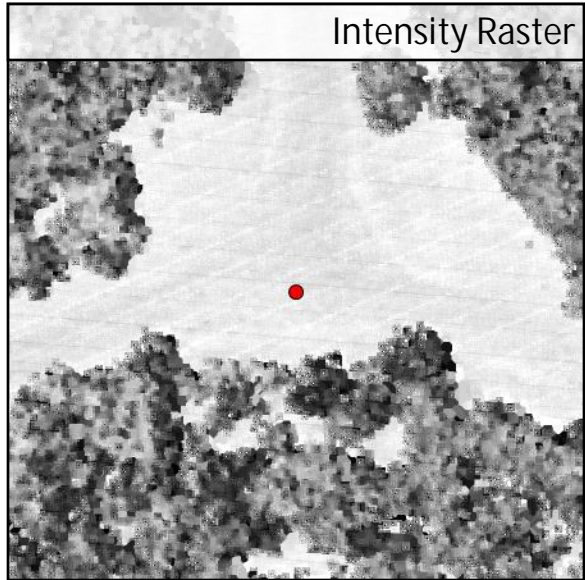
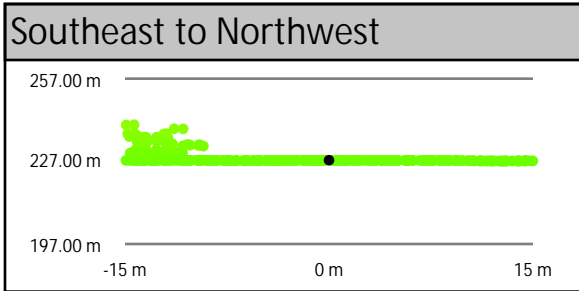
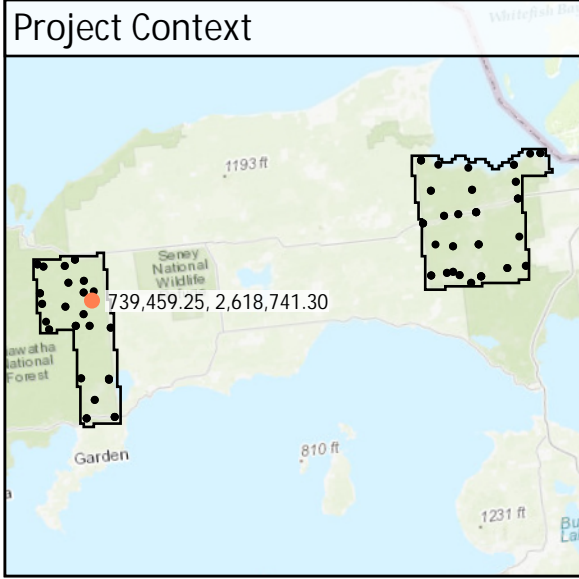


DEM Dz +0.01 m

NVA - BE10

All Points TIN Dz +0.03 m

BE11	Known Z	227.41 m	Point Density	2.69 ppsm
	DEM Dz	-0.06 m	Ground Density	2.69 ppsm
	All Points TIN Dz	-0.06 m	Slope	0.18 °

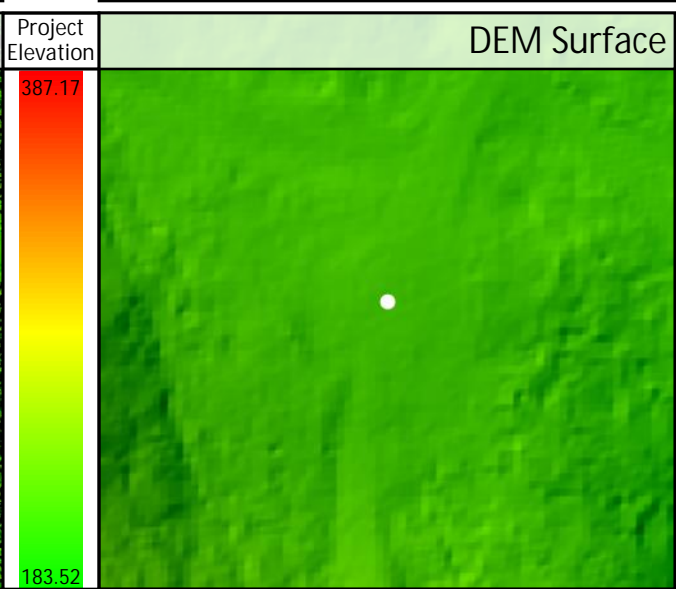
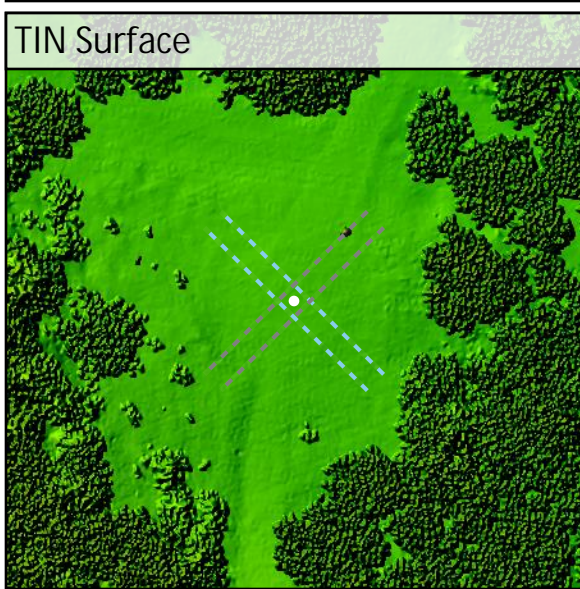
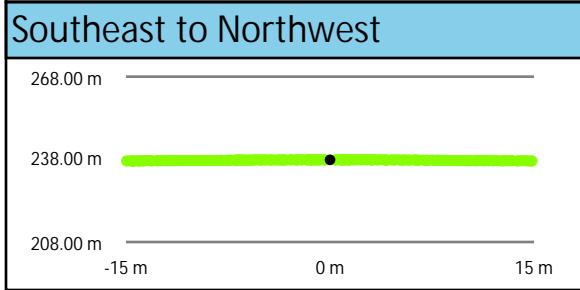
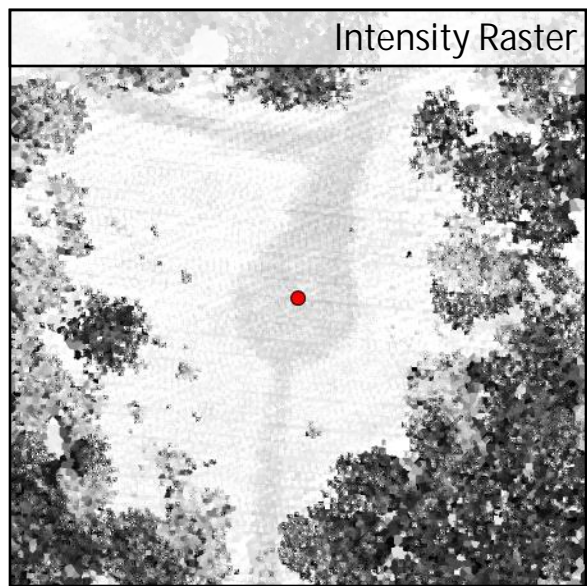
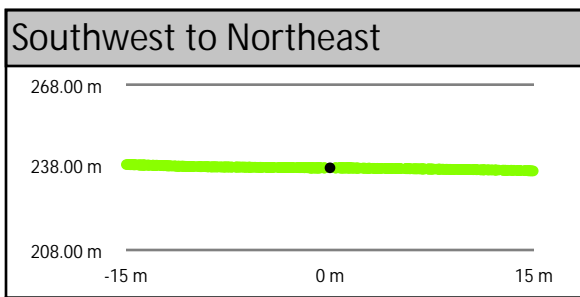
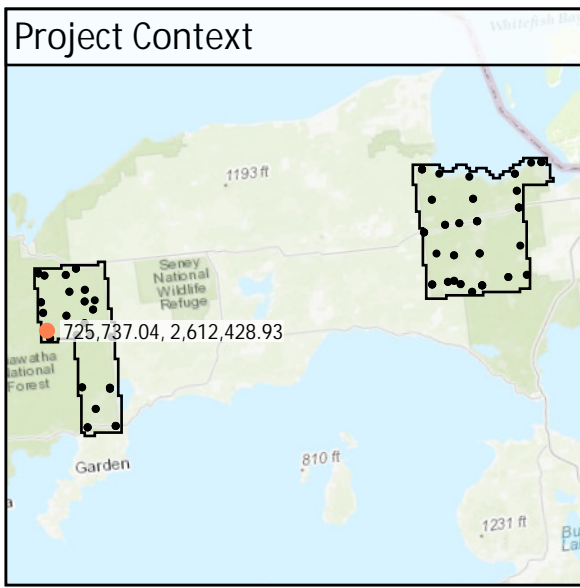


DEM Dz -0.06 m

NVA - BE11

All Points TIN Dz -0.06 m

BE12	Known Z	237.82 m	Point Density	5.38 ppsm
	DEM Dz	-0.03 m	Ground Density	5.38 ppsm
	All Points TIN Dz	-0.01 m	Slope	2.53 °

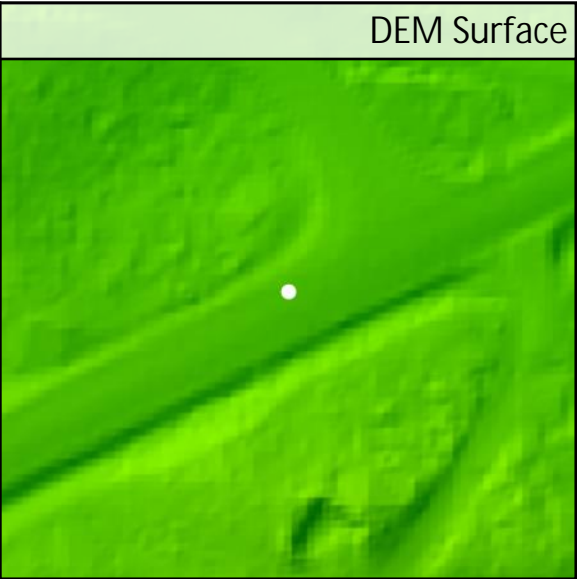
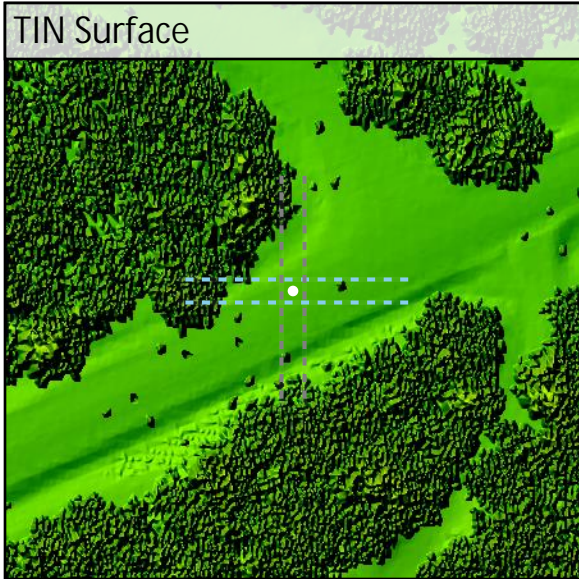
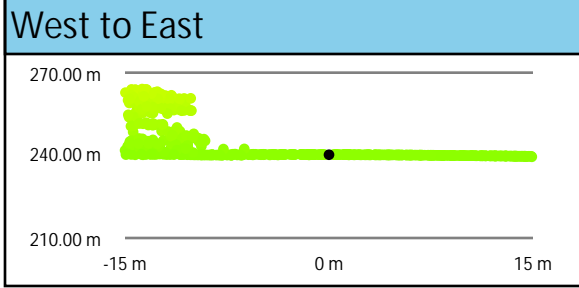
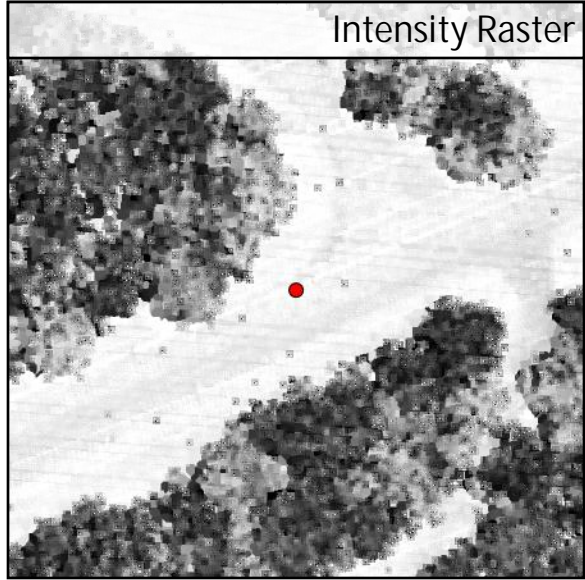
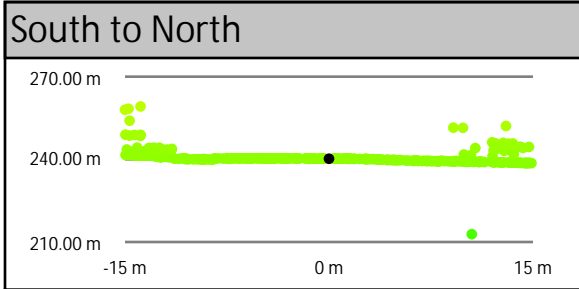
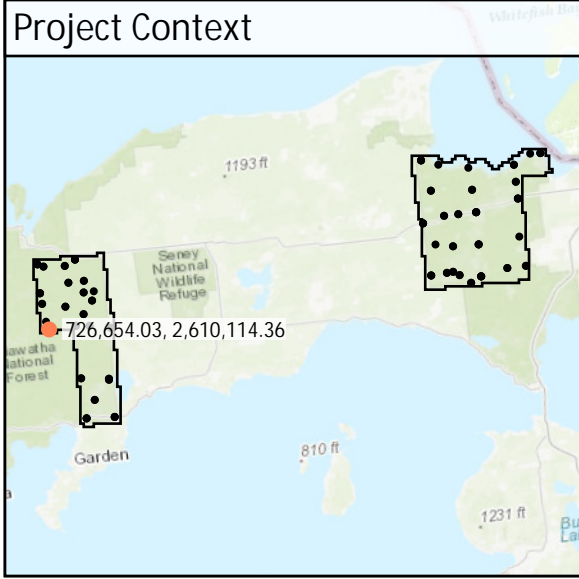


DEM Dz -0.03 m

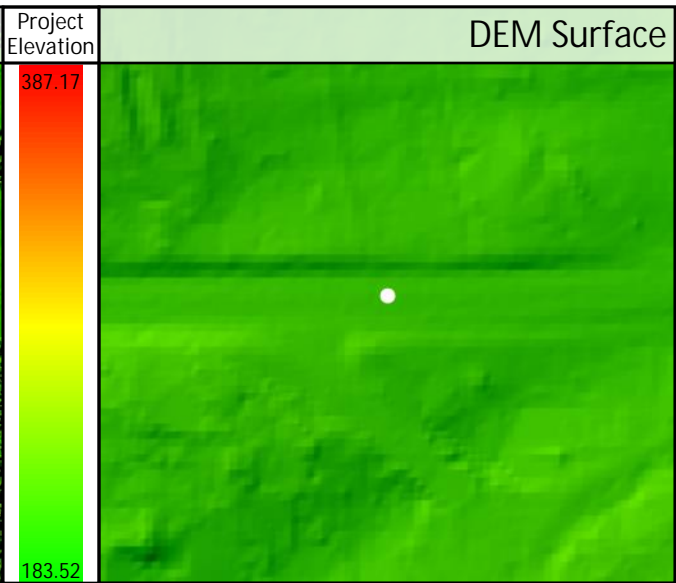
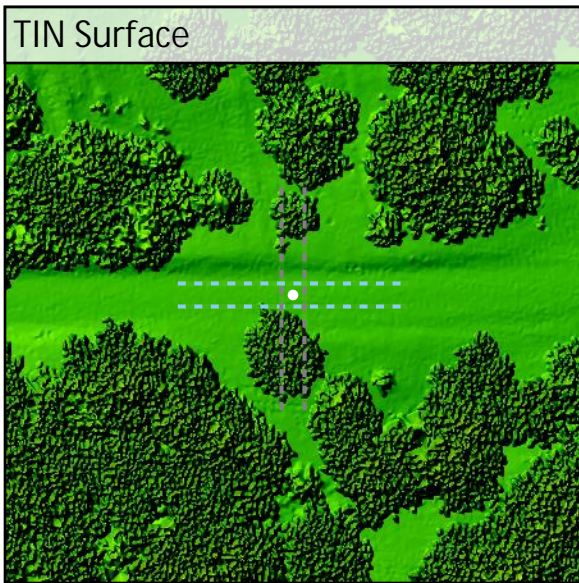
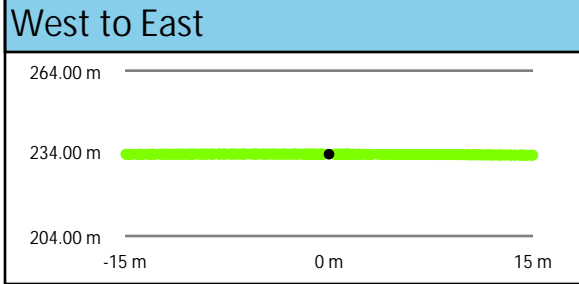
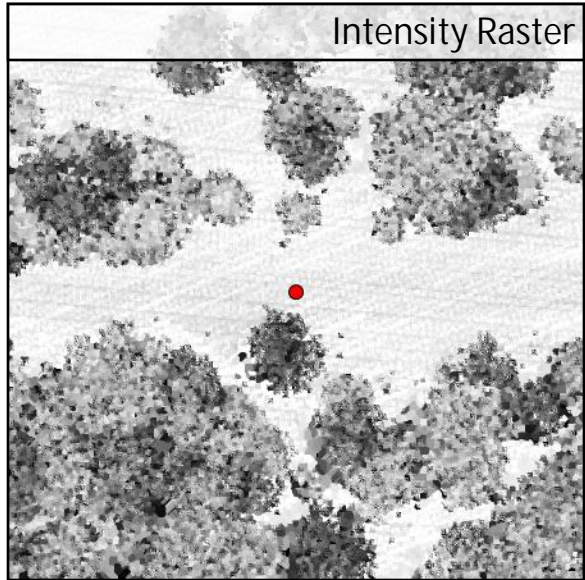
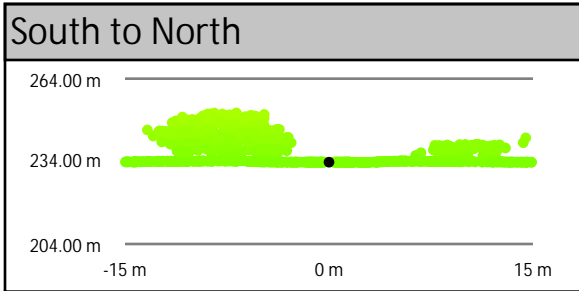
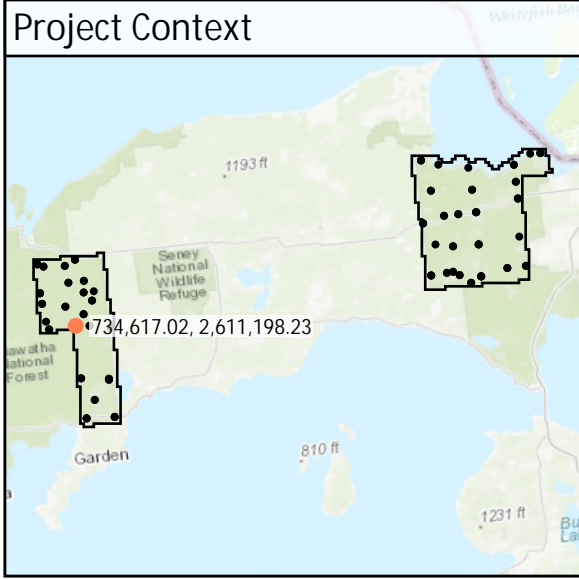
NVA - BE12

All Points TIN Dz -0.01 m

BE13	Known Z	240.22 m	Point Density	2.62 ppsm
	DEM Dz	0.04 m	Ground Density	2.65 ppsm
	All Points TIN Dz	0.04 m	Slope	2.48 °



BE14	Known Z	233.69 m	Point Density	4.49 ppsm
	DEM Dz	0.01 m	Ground Density	4.92 ppsm
	All Points TIN Dz	0.01 m	Slope	1.27 °

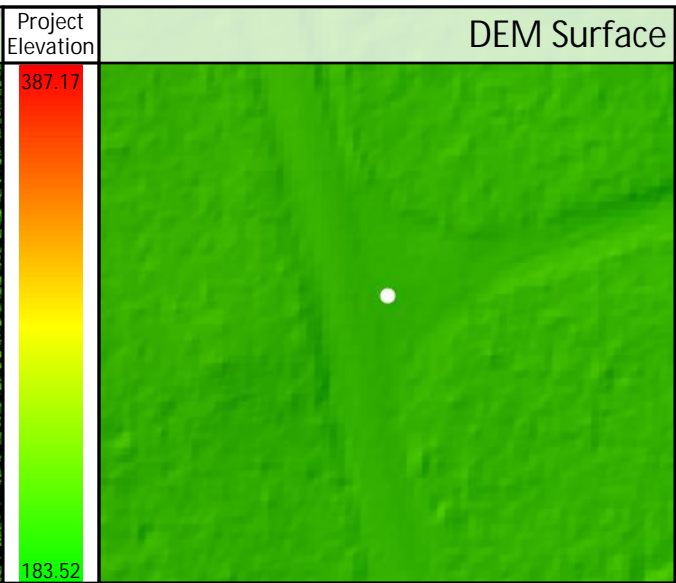
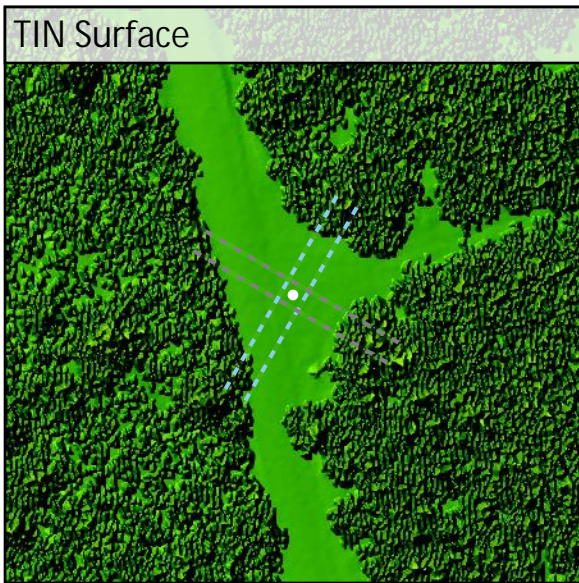
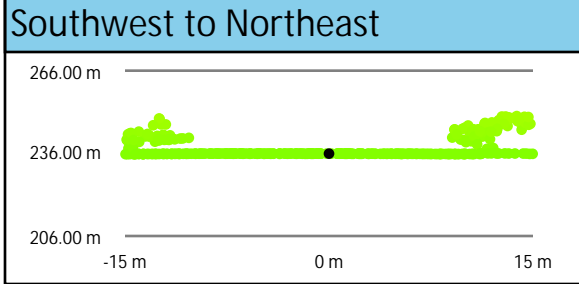
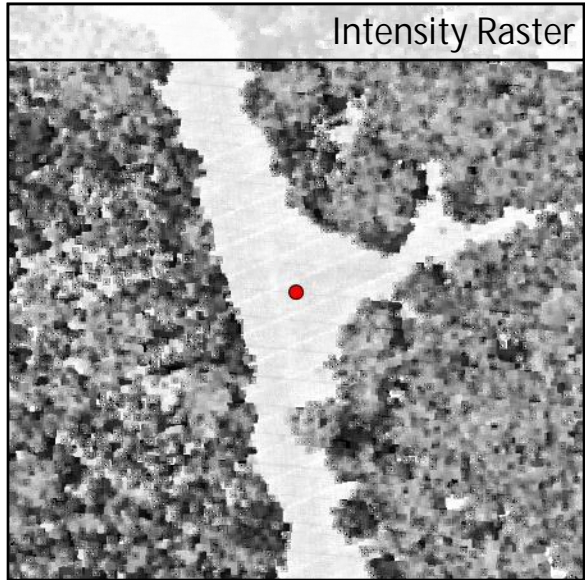
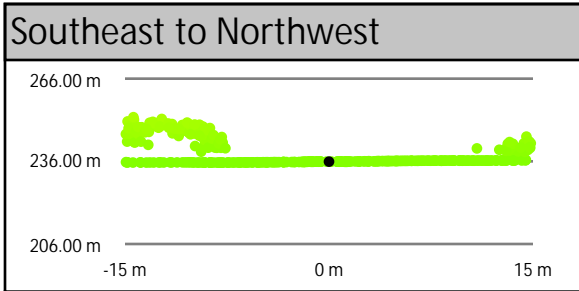
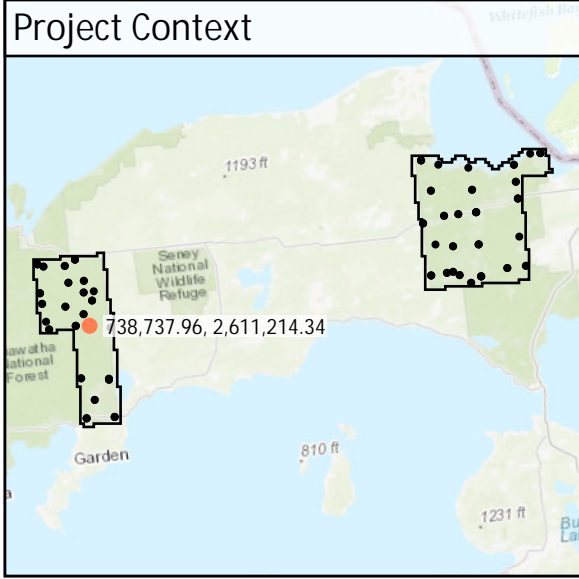


DEM Dz +0.01 m

NVA - BE14

All Points TIN Dz +0.01 m

BE15	Known Z	235.89 m	Point Density	2.76 ppsm
	DEM Dz	-0.01 m	Ground Density	2.76 ppsm
	All Points TIN Dz	0.00 m	Slope	2.52 °

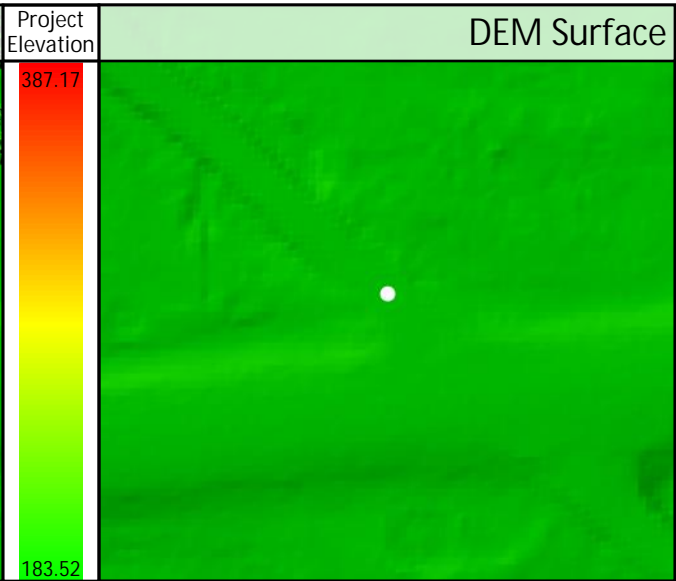
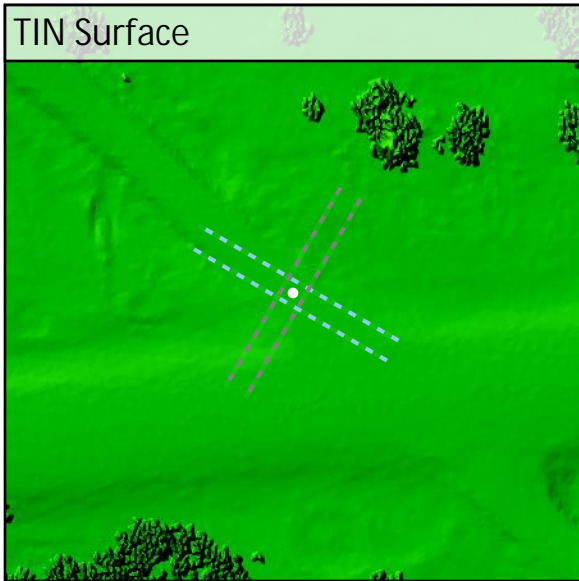
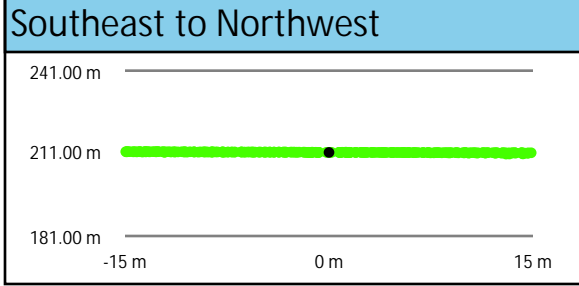
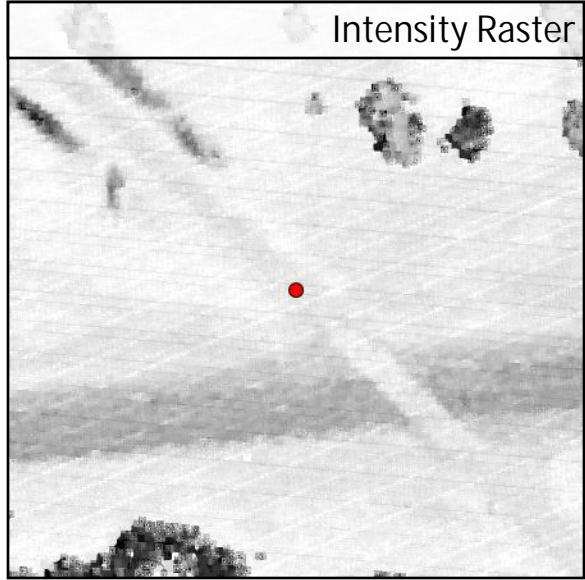
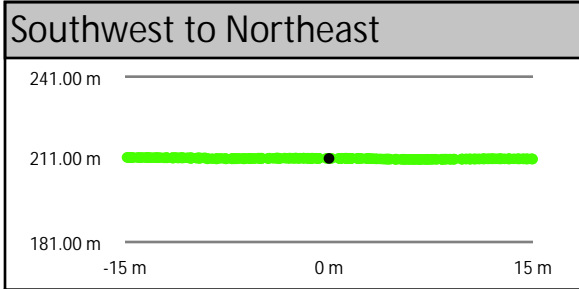
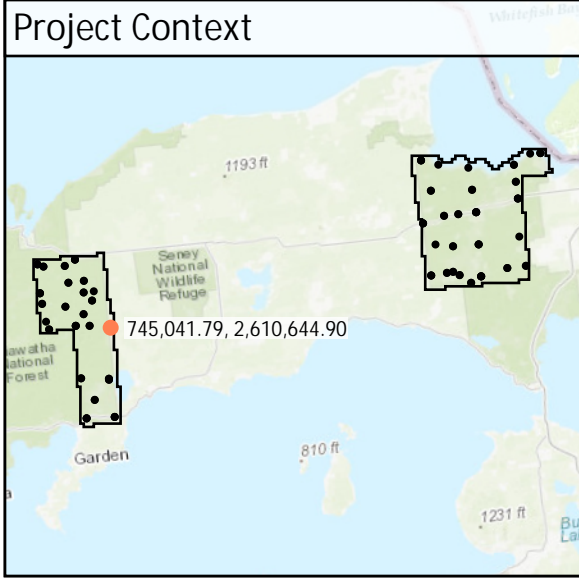


DEM Dz -0.01 m

NVA - BE15

All Points TIN Dz 0.00 m

BE16	Known Z	211.33 m	Point Density	2.69 ppsm
	DEM Dz	0.03 m	Ground Density	2.69 ppsm
	All Points TIN Dz	0.03 m	Slope	1.62 °

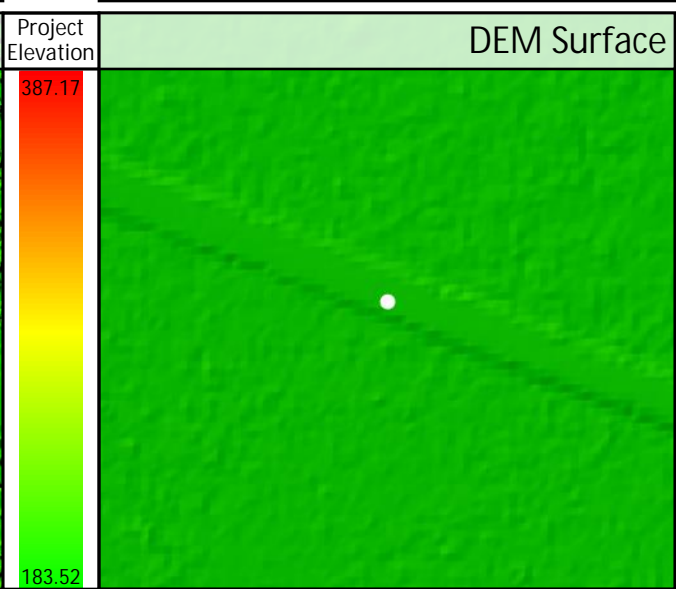
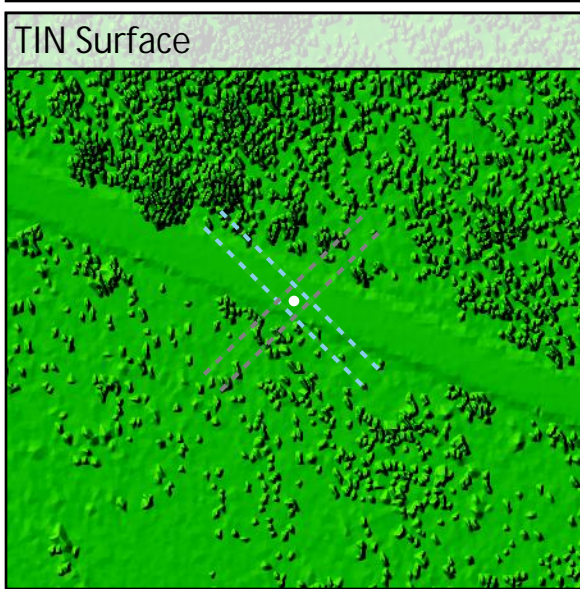
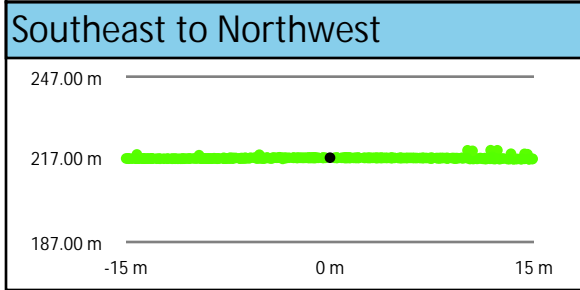
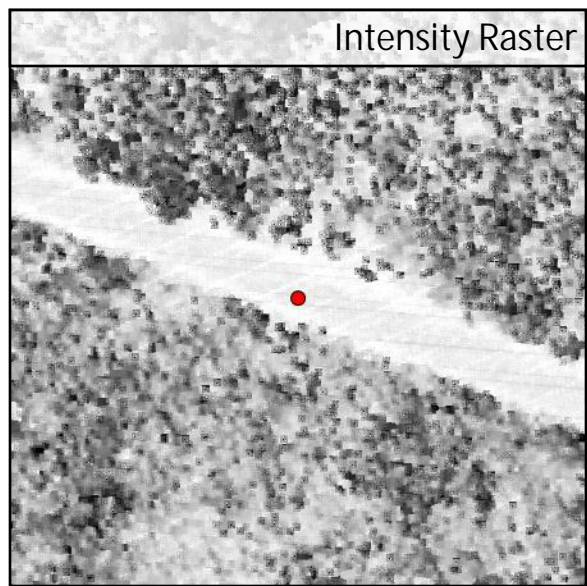
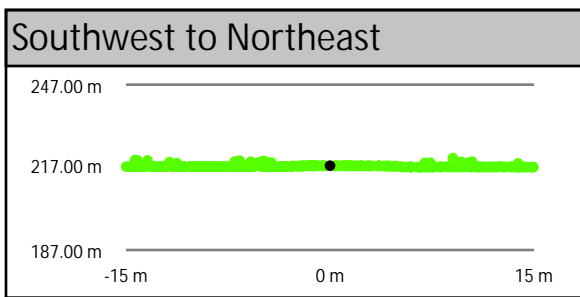
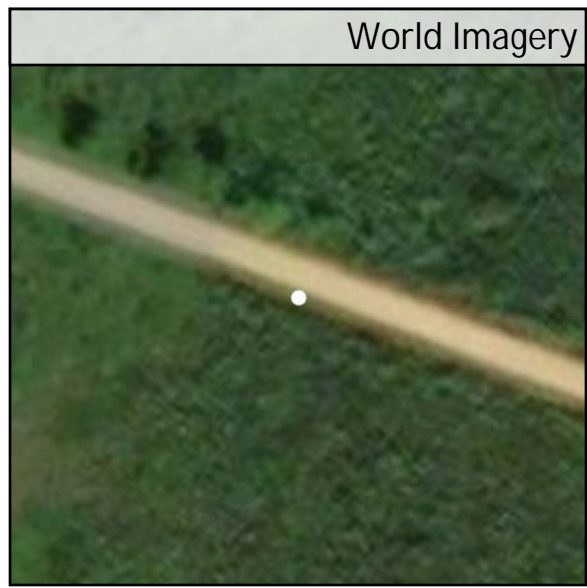
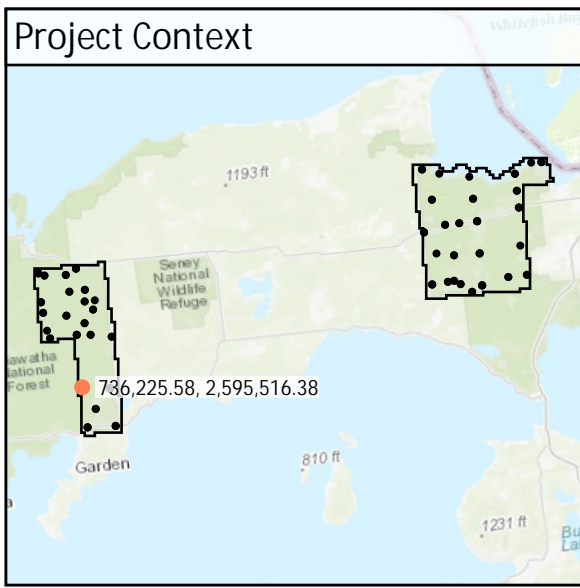


DEM Dz +0.03 m

NVA - BE16

All Points TIN Dz +0.03 m

BE17	Known Z	217.59 m	Point Density	2.72 ppsm
	DEM Dz	-0.04 m	Ground Density	2.72 ppsm
	All Points TIN Dz	-0.04 m	Slope	0.58 °

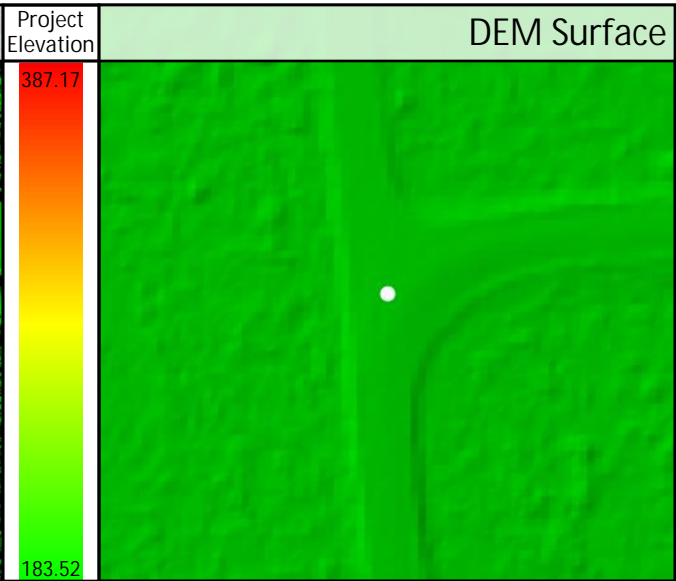
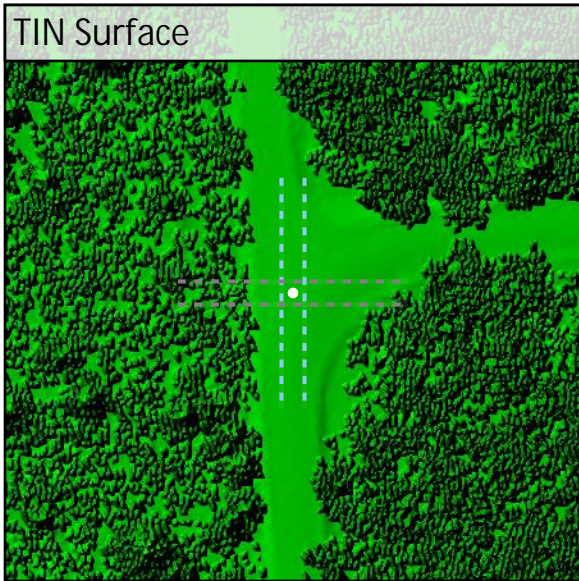
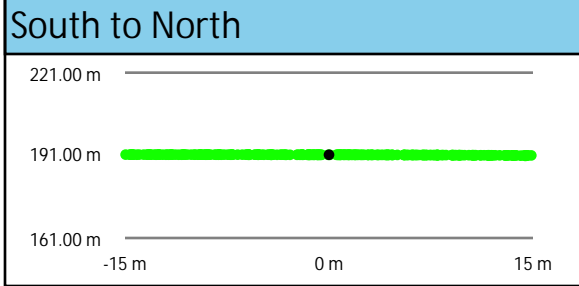
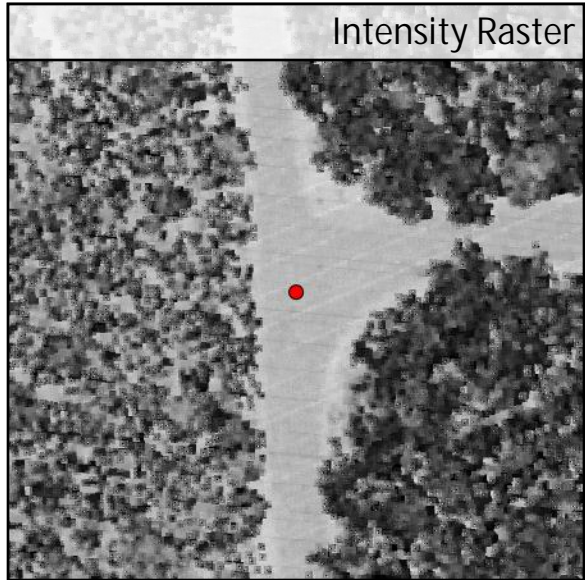
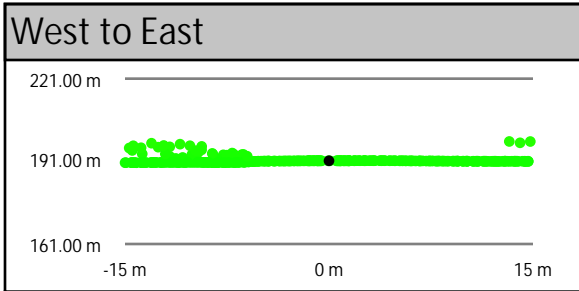
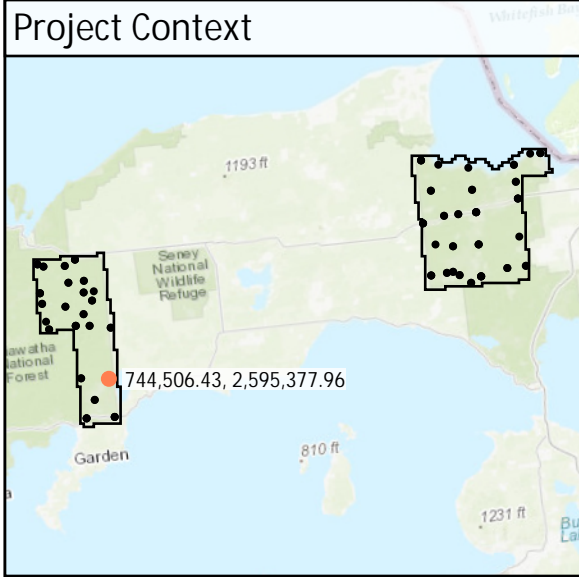


DEM Dz -0.04 m

NVA - BE17

All Points TIN Dz -0.04 m

BE18	Known Z	191.20 m	Point Density	2.76 ppsm
	DEM Dz	0.00 m	Ground Density	2.76 ppsm
	All Points TIN Dz	-0.01 m	Slope	0.77 °

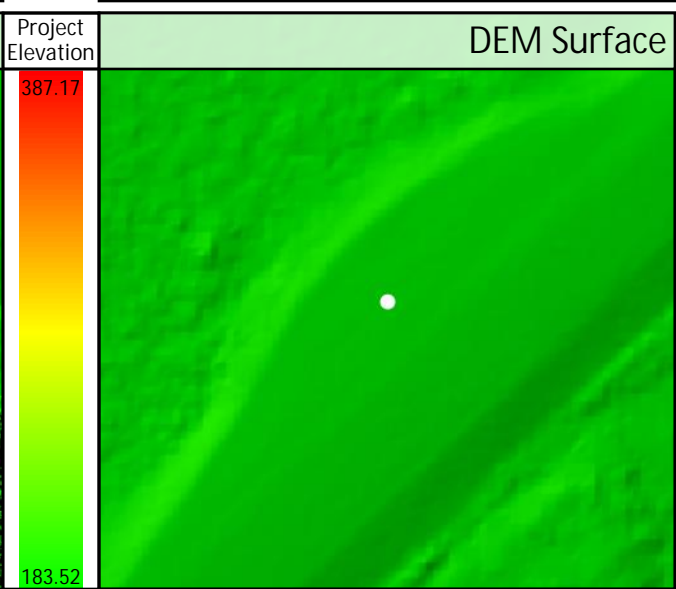
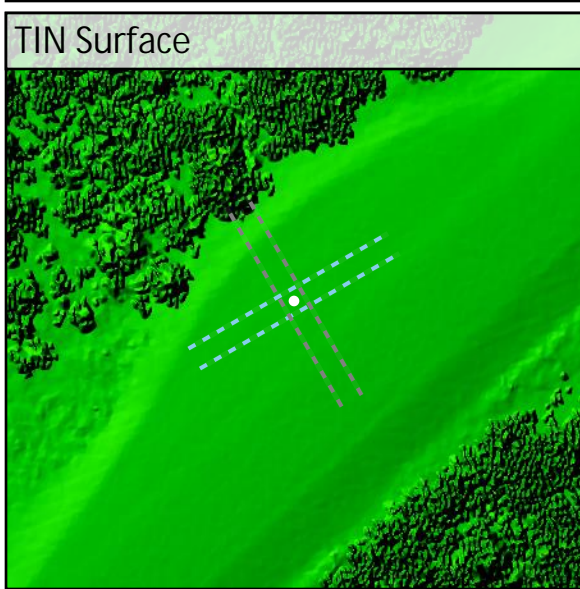
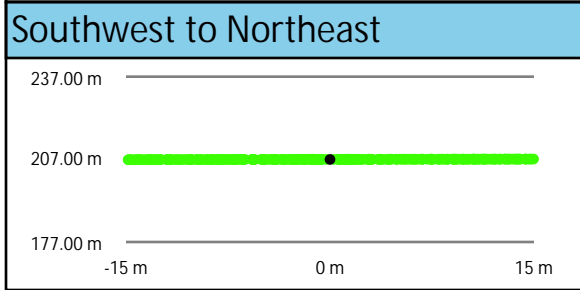
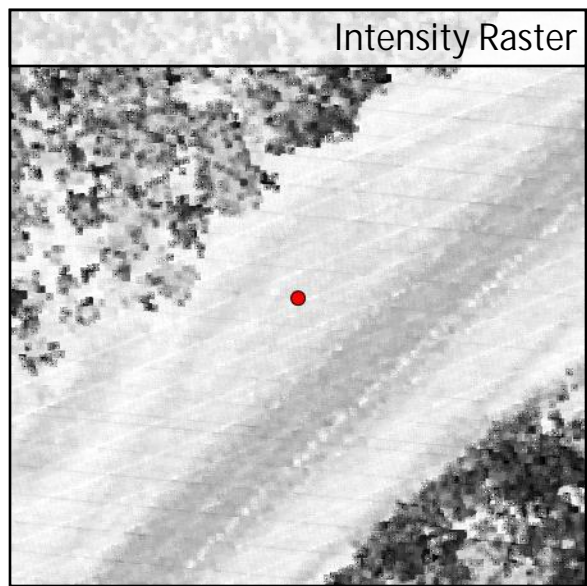
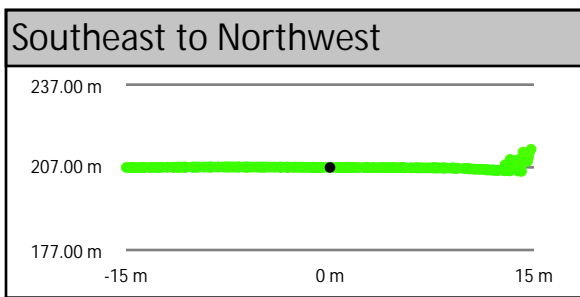
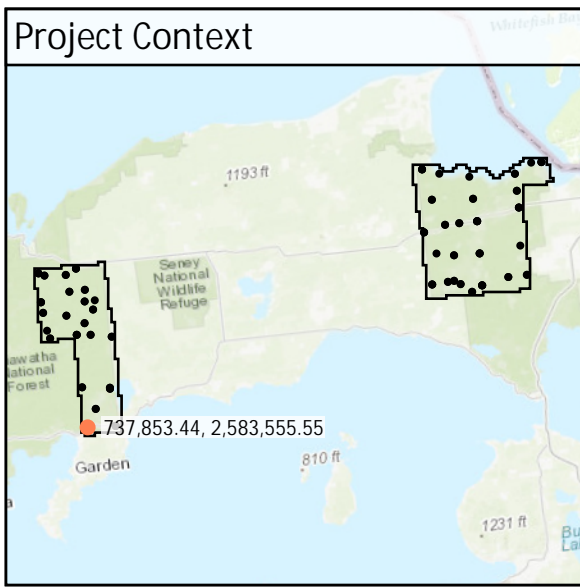


DEM Dz 0.00 m

NVA - BE18

All Points TIN Dz -0.01 m

BE19	Known Z	206.95 m	Point Density	2.72 ppsm
	DEM Dz	0.03 m	Ground Density	2.72 ppsm
	All Points TIN Dz	0.03 m	Slope	1.61 °

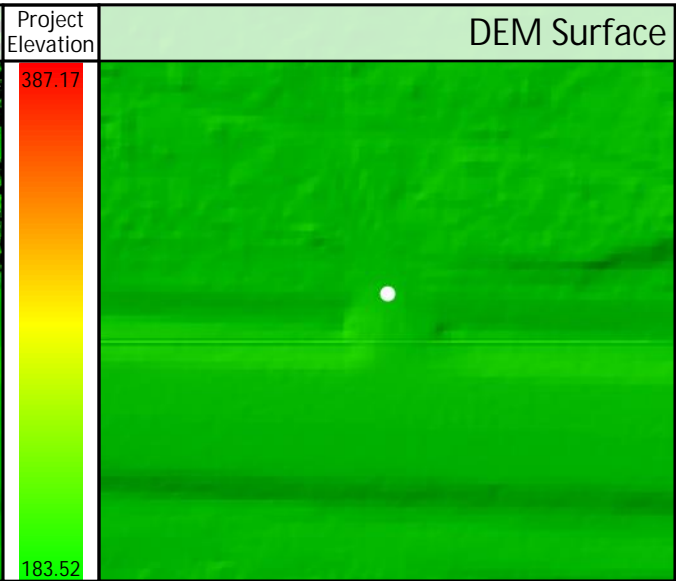
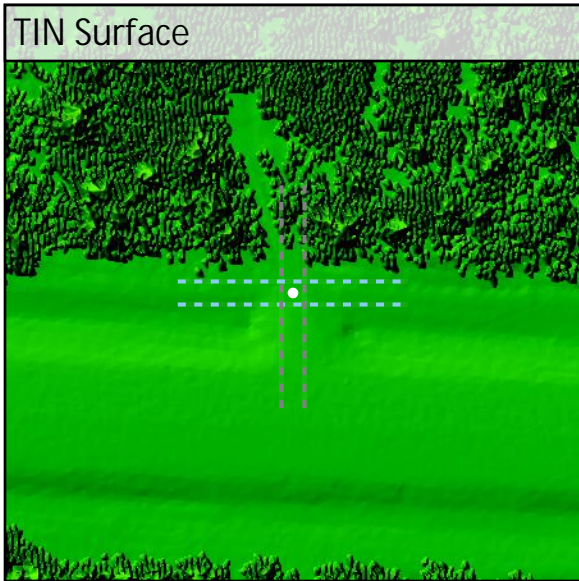
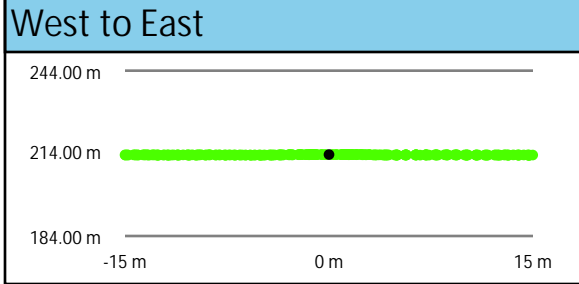
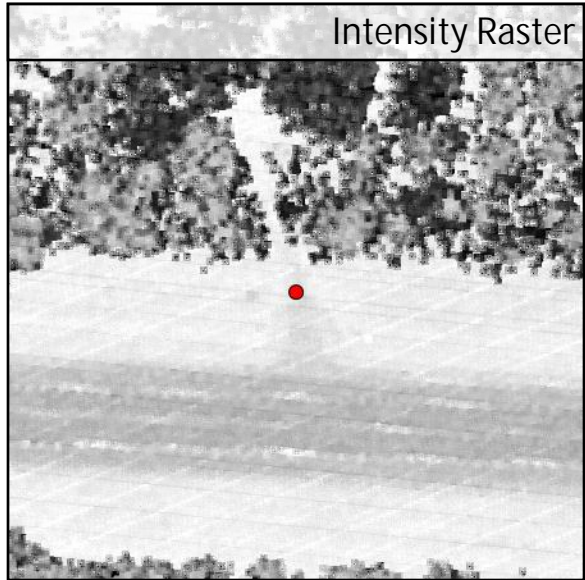
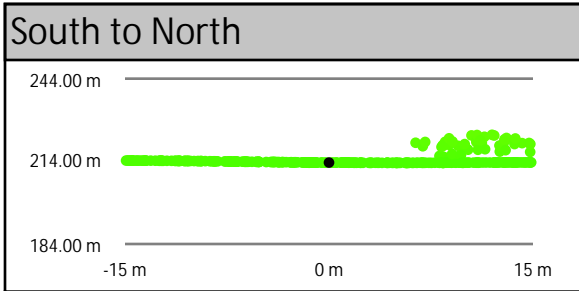
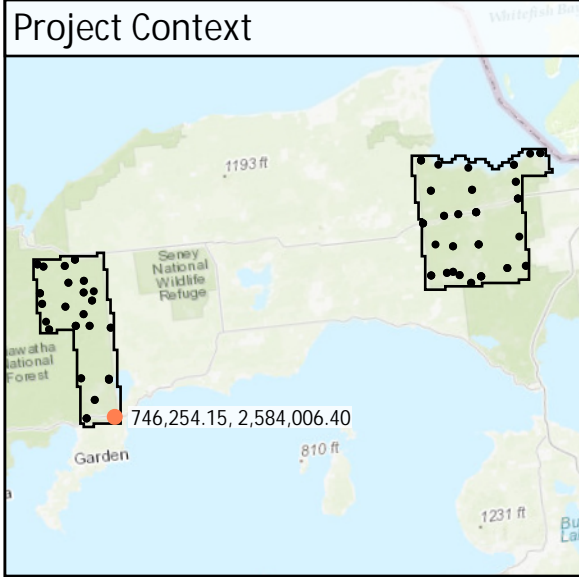


DEM Dz +0.03 m

NVA - BE19

All Points TIN Dz +0.03 m

BE20	Known Z	213.55 m	Point Density	2.94 ppsm
	DEM Dz	-0.01 m	Ground Density	2.94 ppsm
	All Points TIN Dz	-0.01 m	Slope	1.86 °

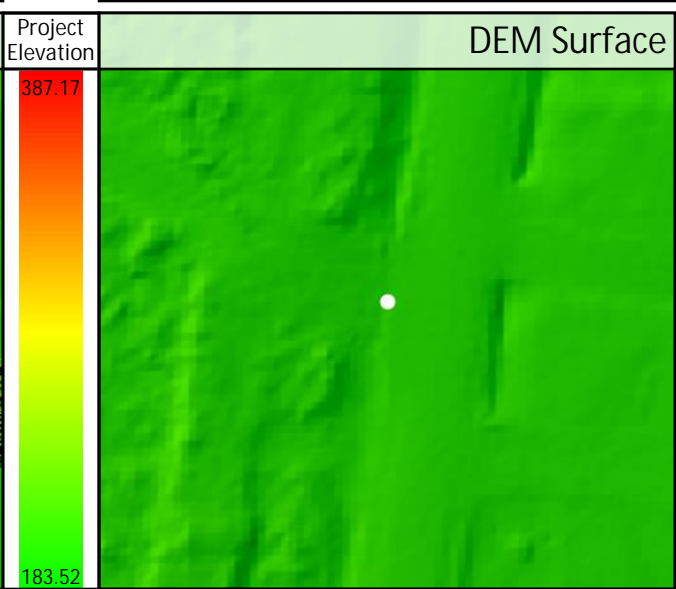
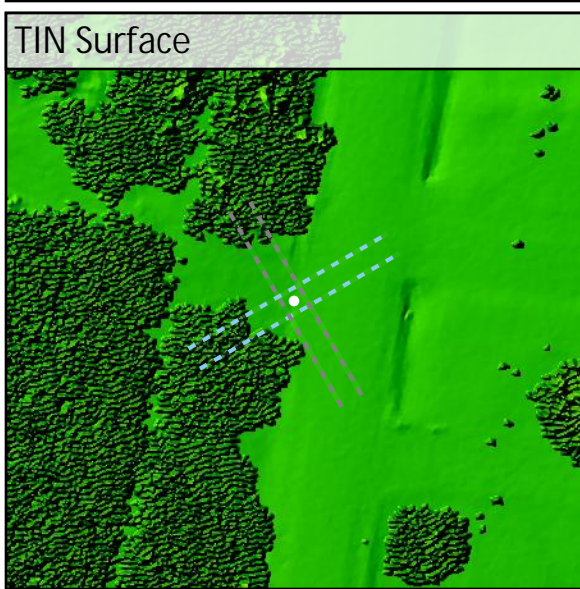
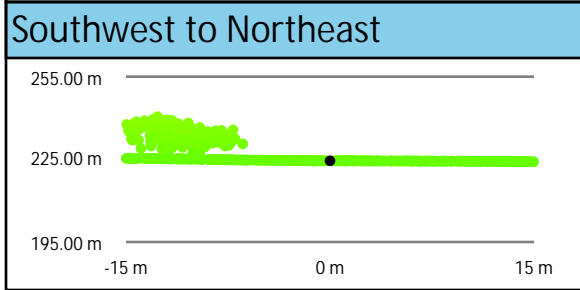
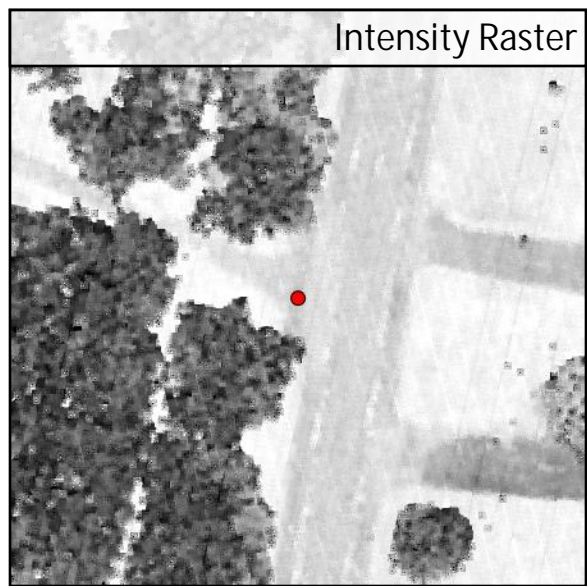
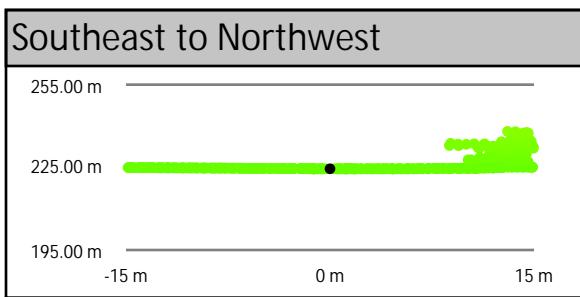
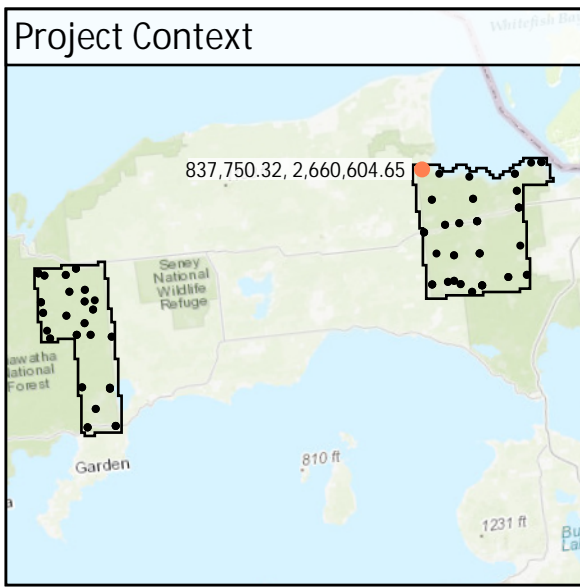


DEM Dz -0.01 m

NVA - BE20

All Points TIN Dz -0.01 m

BE21	Known Z	224.47 m	Point Density	3.29 ppsm
	DEM Dz	0.00 m	Ground Density	3.29 ppsm
	All Points TIN Dz	-0.01 m	Slope	1.51 °

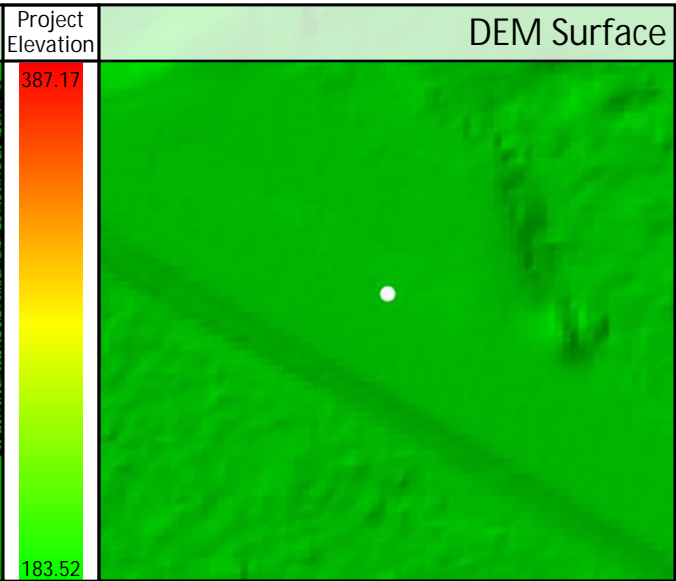
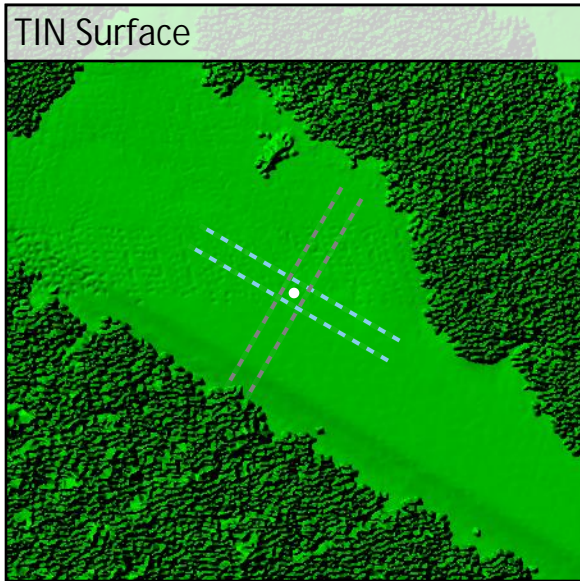
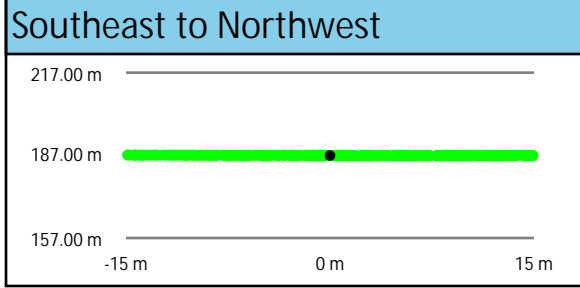
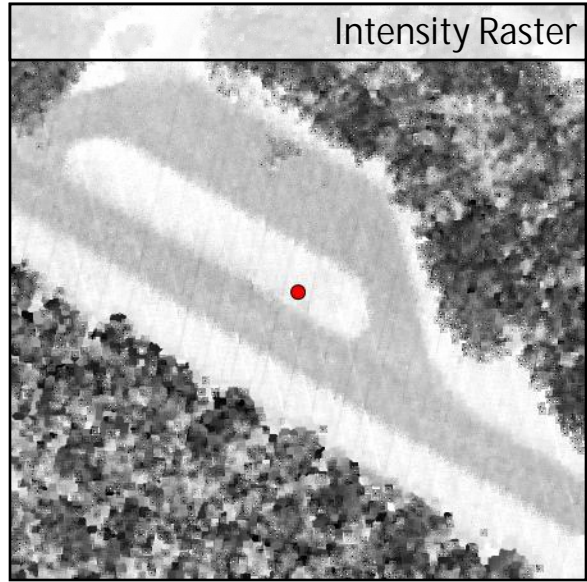
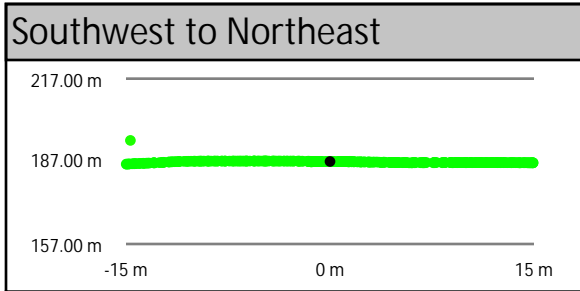
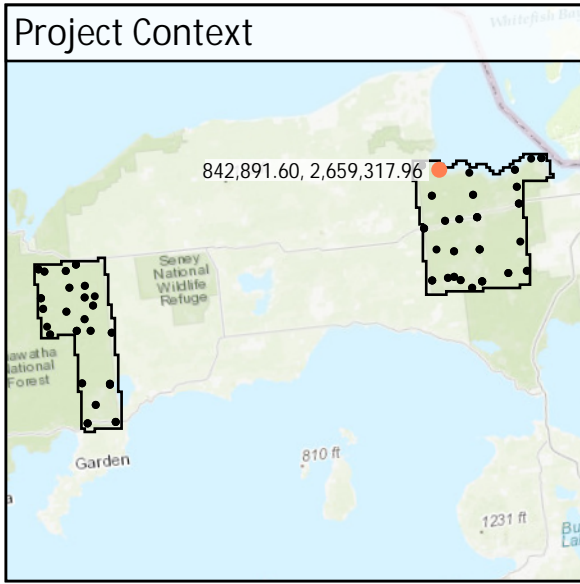


DEM Dz 0.00 m

NVA - BE21

All Points TIN Dz -0.01 m

BE22	Known Z	186.95 m	Point Density	3.71 ppsm
	DEM Dz	-0.01 m	Ground Density	3.71 ppsm
	All Points TIN Dz	0.00 m	Slope	3.32 °

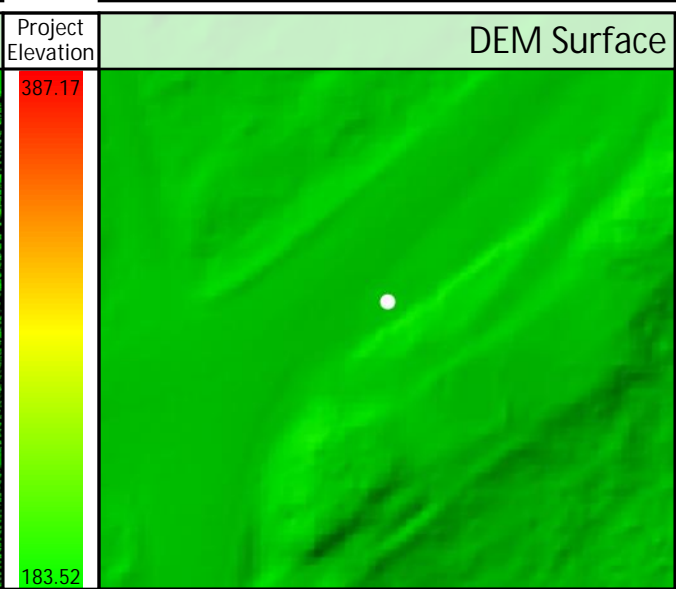
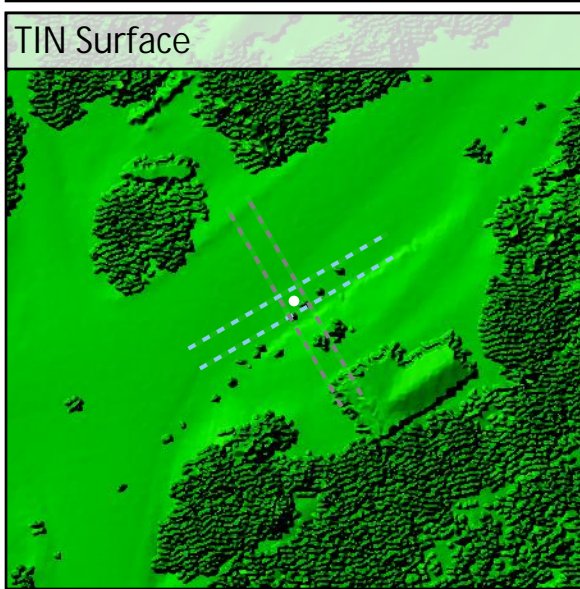
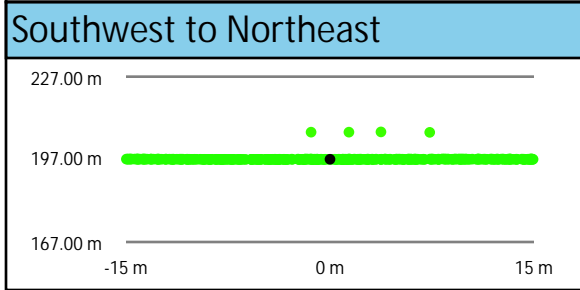
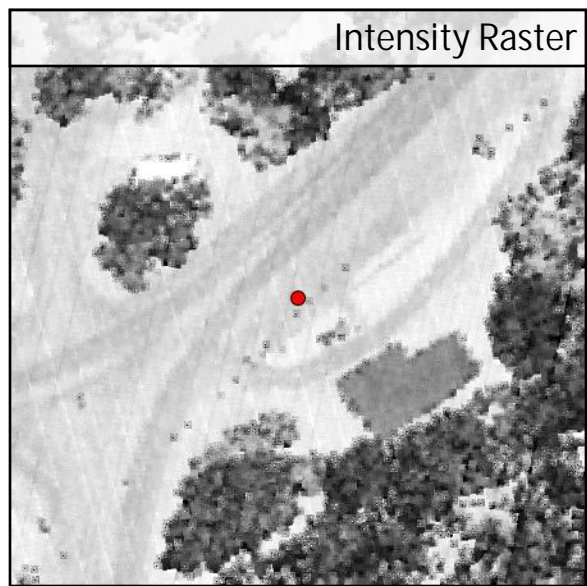
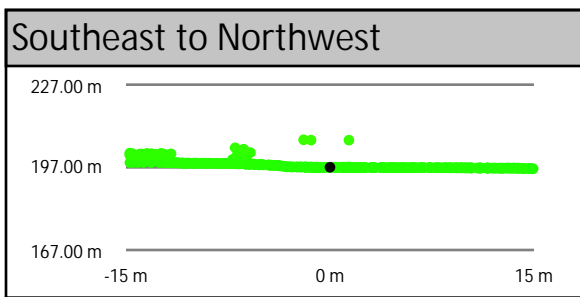
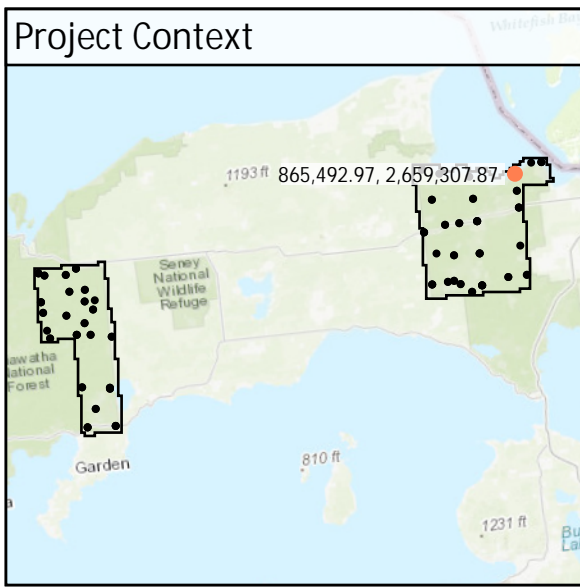


DEM Dz -0.01 m

NVA - BE22

All Points TIN Dz 0.00 m

BE23	Known Z	197.03 m	Point Density	2.86 ppsm
	DEM Dz	-0.02 m	Ground Density	2.94 ppsm
	All Points TIN Dz	-0.03 m	Slope	2.89 °

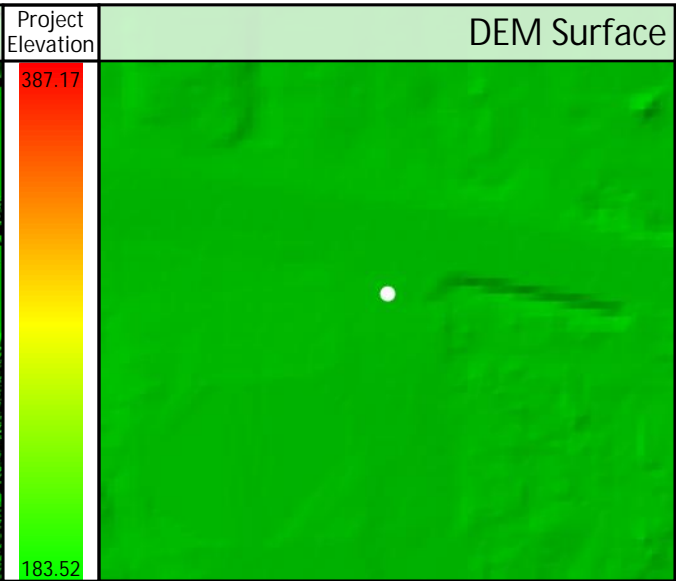
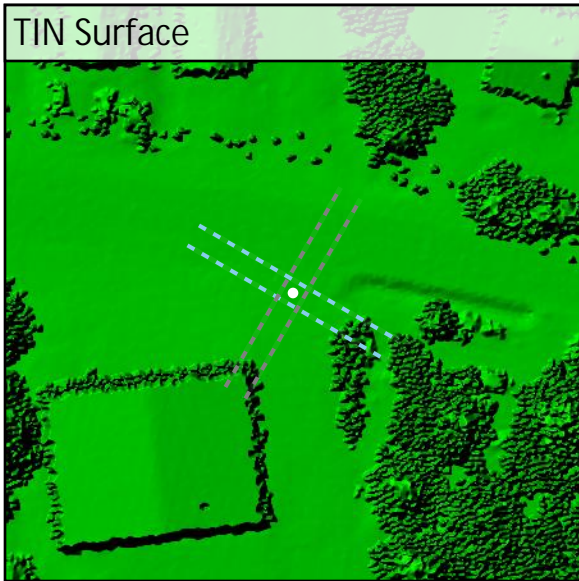
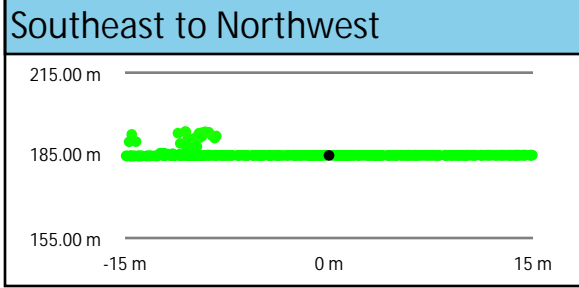
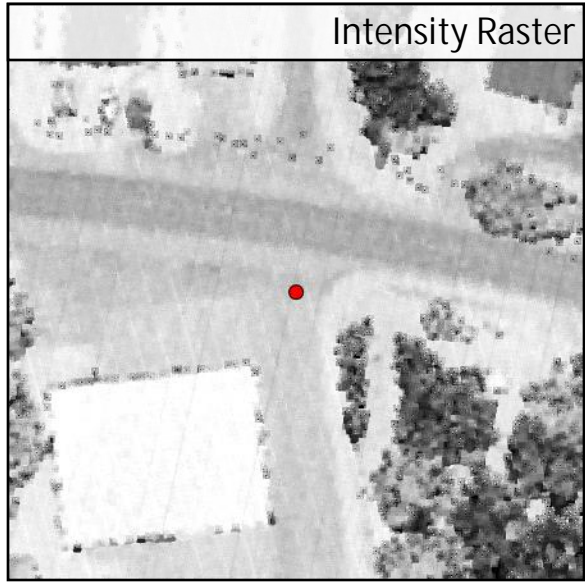
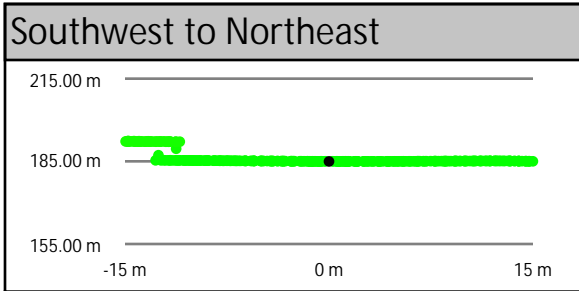
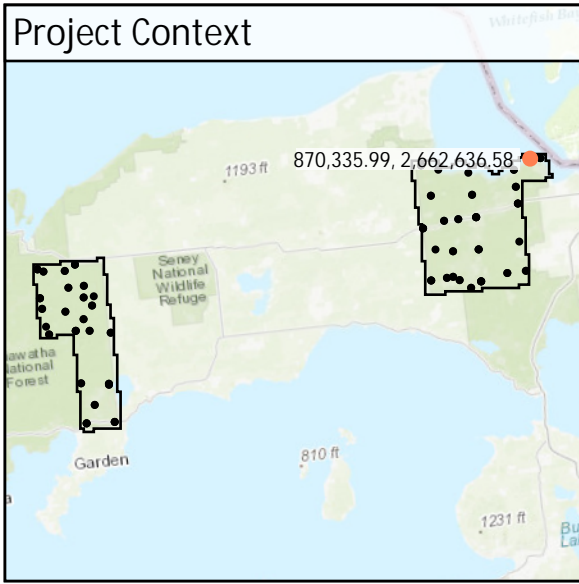


DEM Dz -0.02 m

NVA - BE23

All Points TIN Dz -0.03 m

BE24	Known Z	184.96 m	Point Density	2.86 ppsm
	DEM Dz	0.04 m	Ground Density	2.86 ppsm
	All Points TIN Dz	0.05 m	Slope	0.59 °

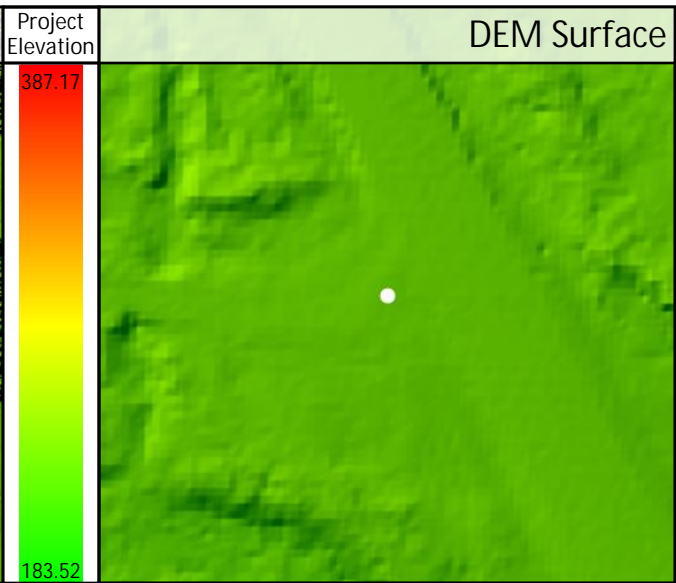
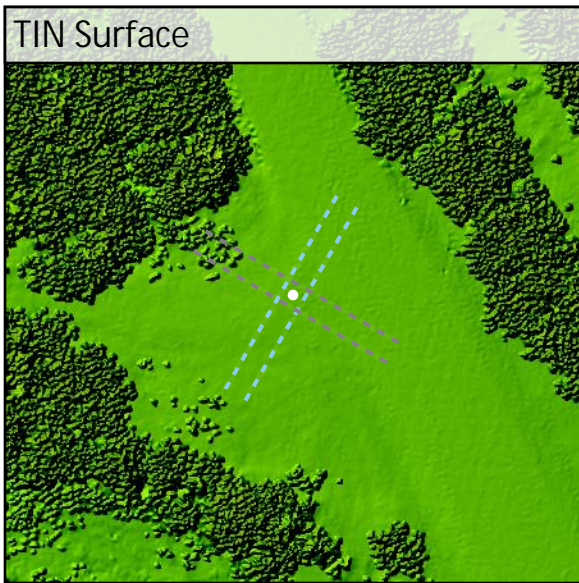
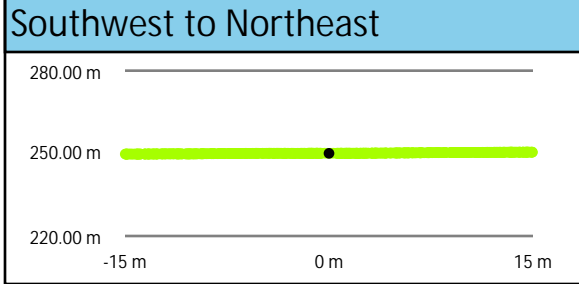
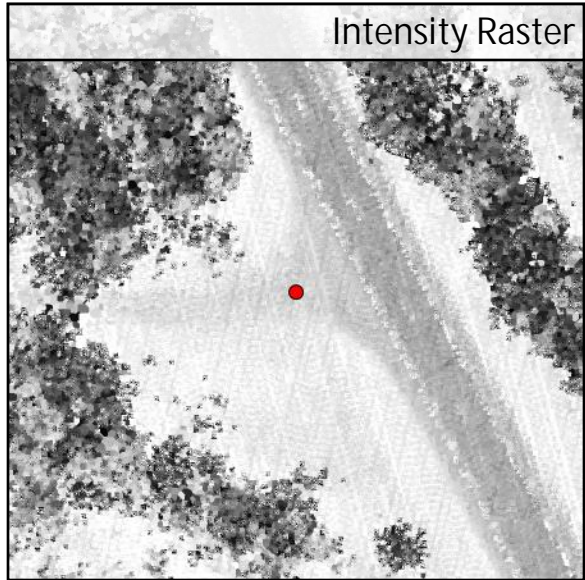
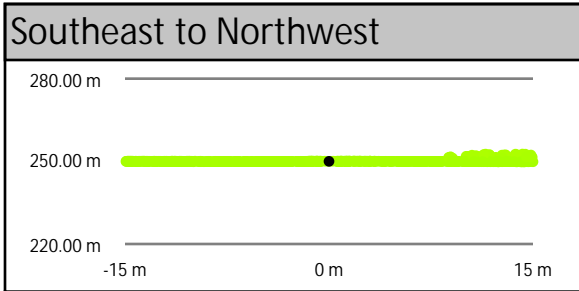
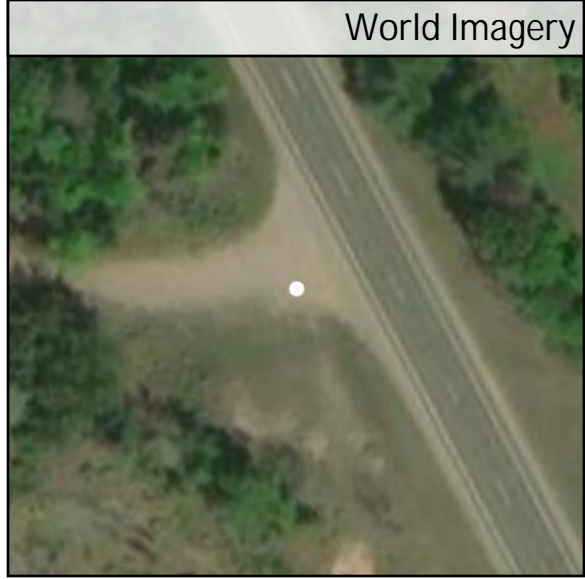
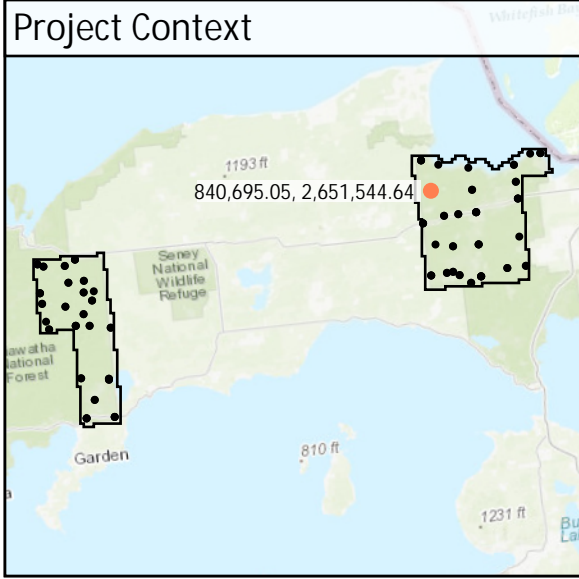


DEM Dz +0.04 m

NVA - BE24

All Points TIN Dz +0.05 m

BE25	Known Z	250.00 m	Point Density	5.41 ppsm
	DEM Dz	0.03 m	Ground Density	5.41 ppsm
	All Points TIN Dz	0.03 m	Slope	0.98 °

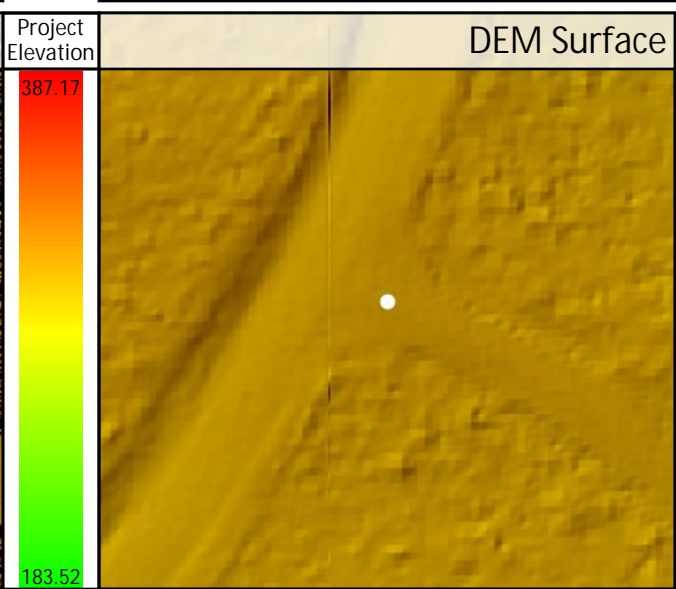
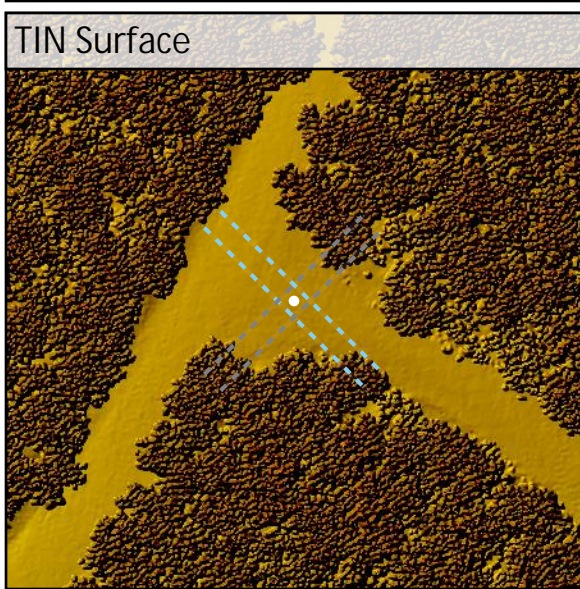
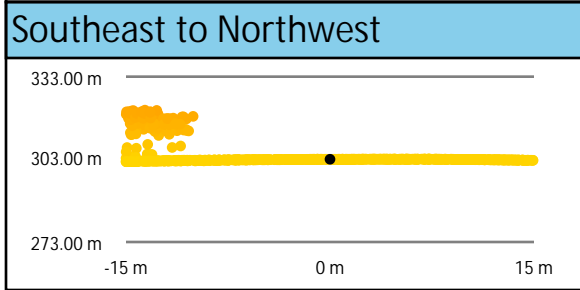
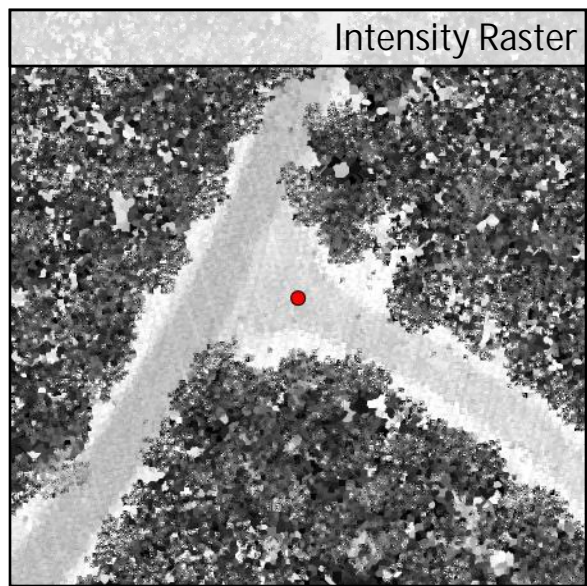
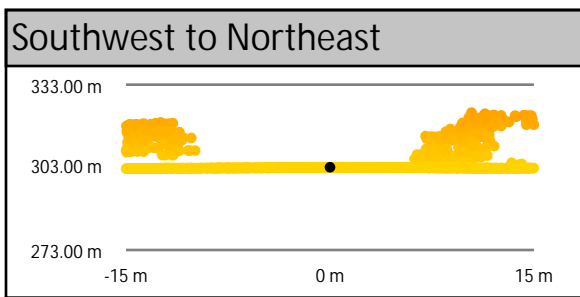
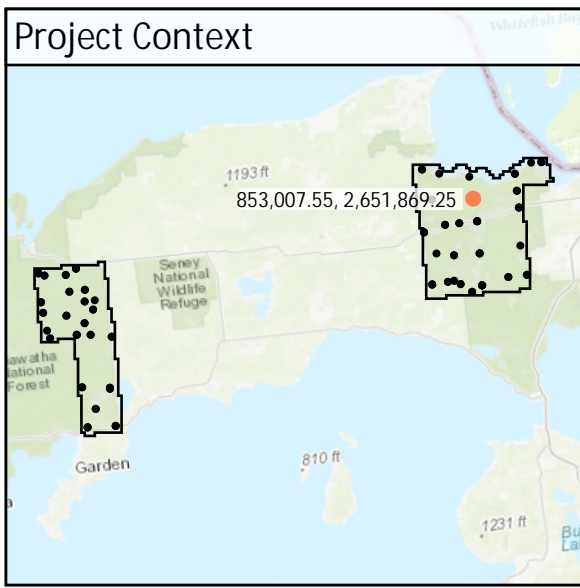


DEM Dz +0.03 m

NVA - BE25

All Points TIN Dz +0.03 m

BE26	Known Z	303.03 m	Point Density	4.85 ppsm
	DEM Dz	-0.02 m	Ground Density	5.45 ppsm
	All Points TIN Dz	-0.01 m	Slope	1.39 °

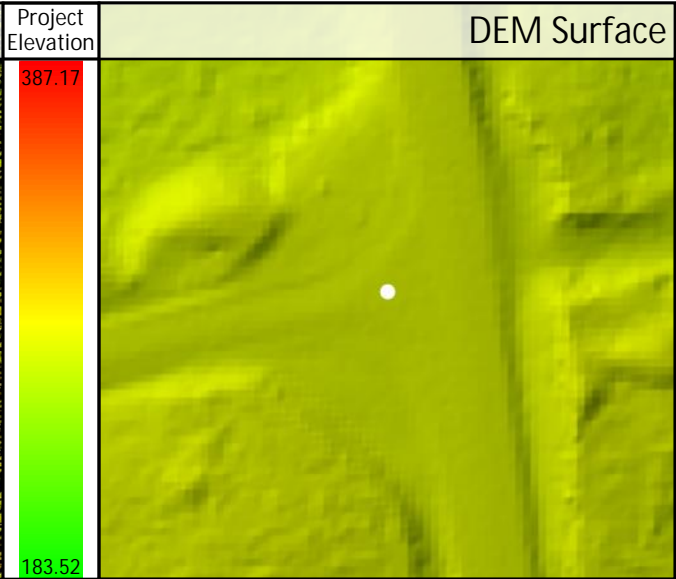
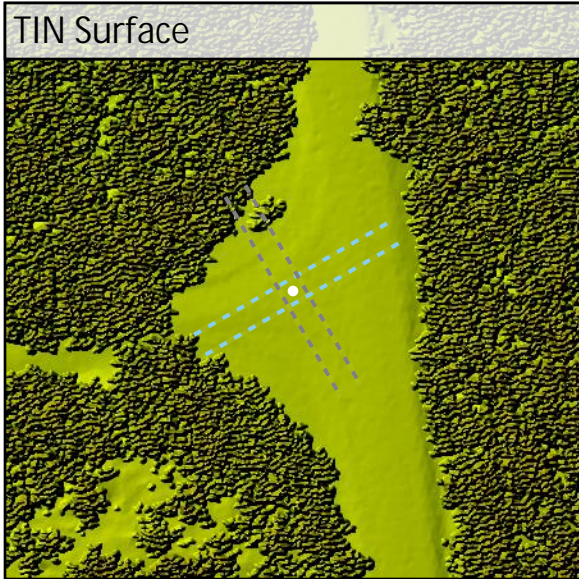
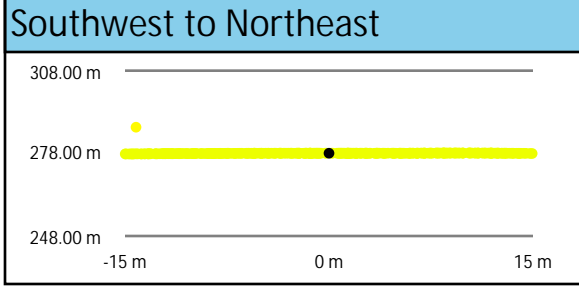
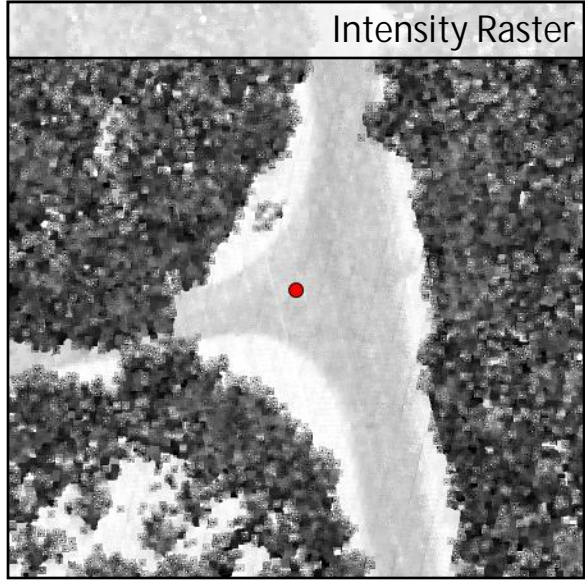
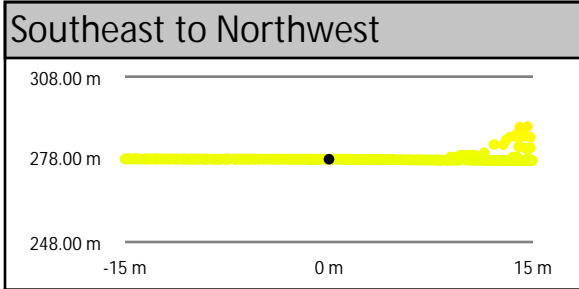
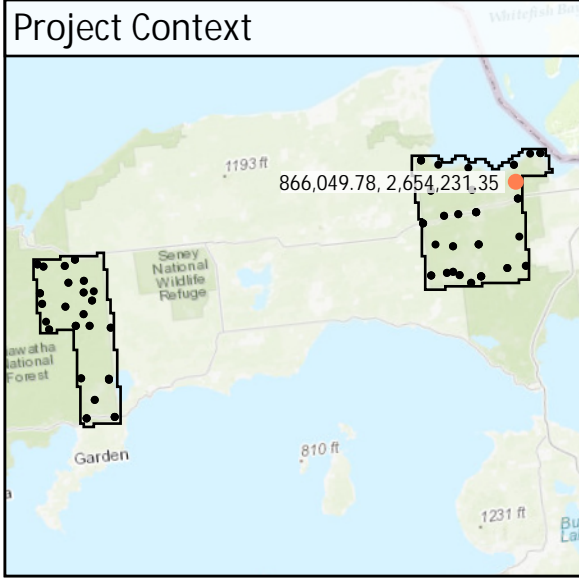


DEM Dz -0.02 m

NVA - BE26

All Points TIN Dz -0.01 m

BE27	Known Z	278.04 m	Point Density	3.22 ppsm
	DEM Dz	0.00 m	Ground Density	3.22 ppsm
	All Points TIN Dz	0.01 m	Slope	1.04 °

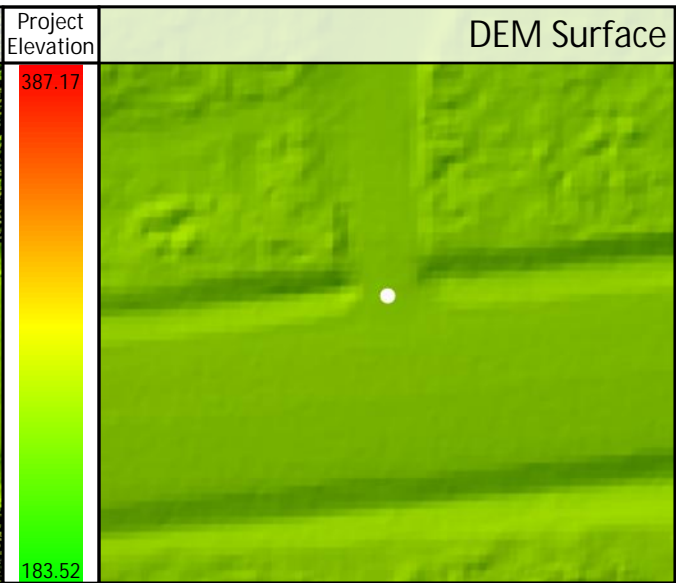
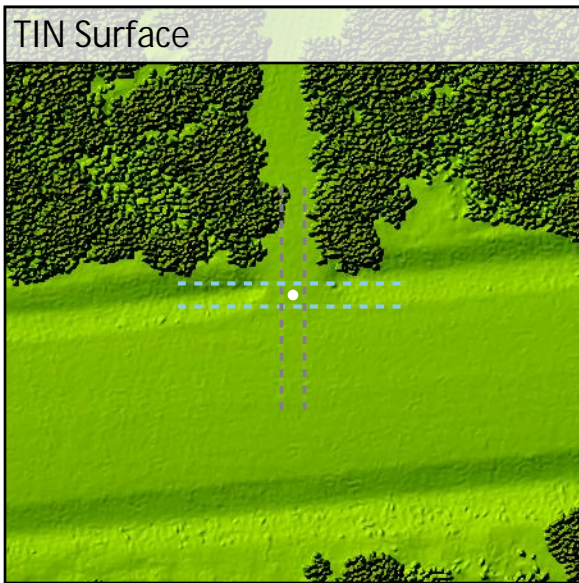
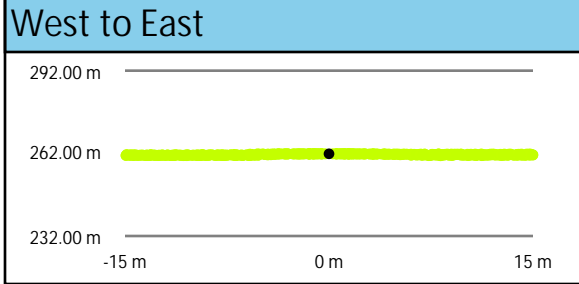
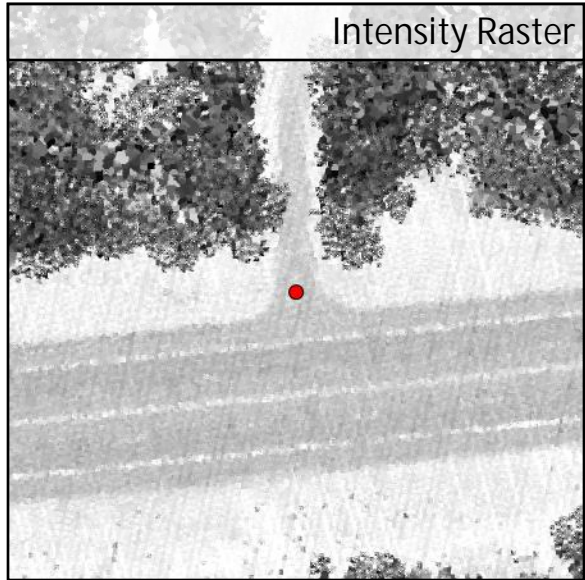
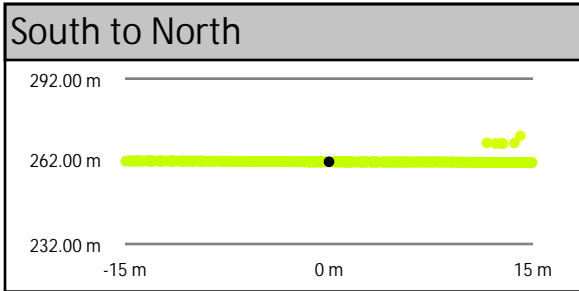
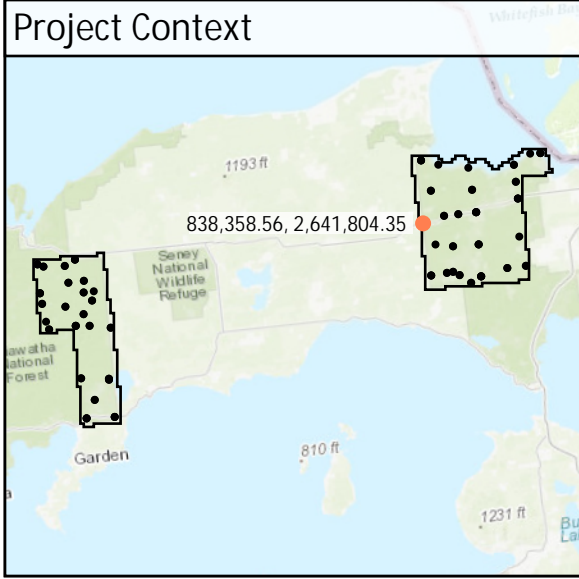


DEM Dz +0.00 m

NVA - BE27

All Points TIN Dz +0.01 m

BE28	Known Z	261.83 m	Point Density	4.95 ppsm
	DEM Dz	-0.03 m	Ground Density	4.95 ppsm
	All Points TIN Dz	-0.02 m	Slope	0.93 °

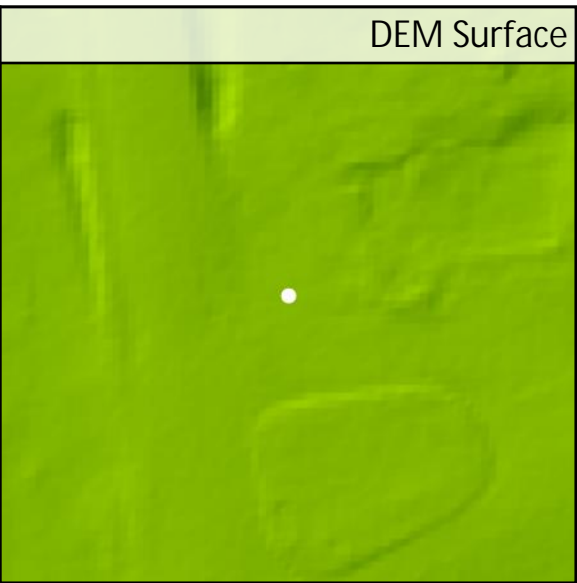
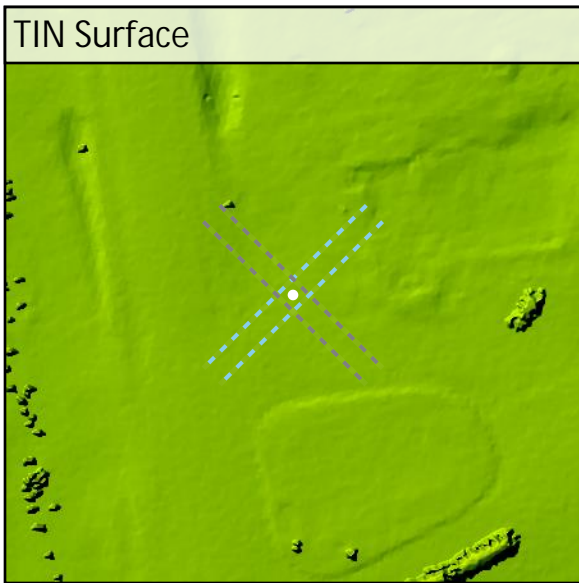
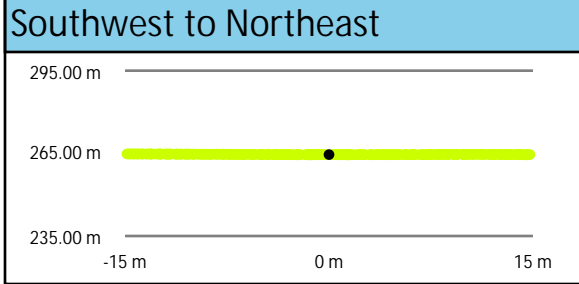
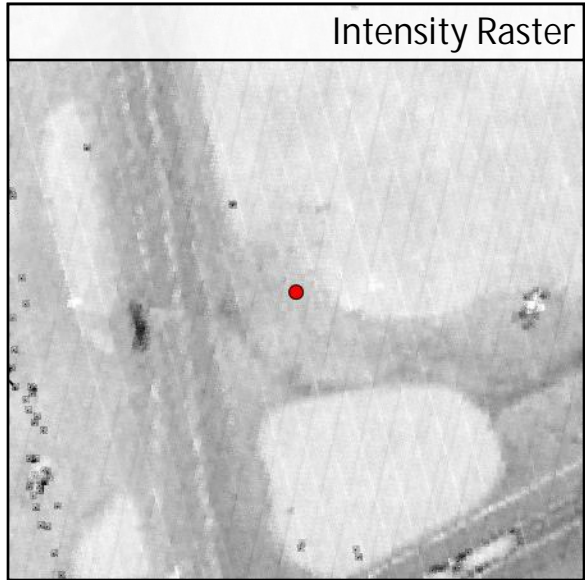
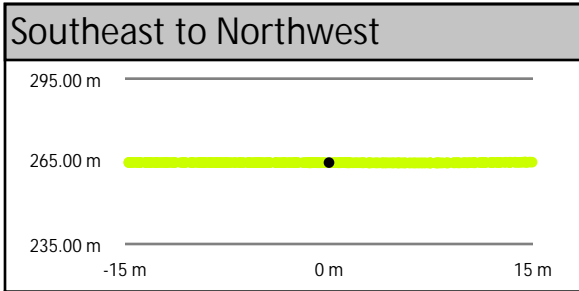
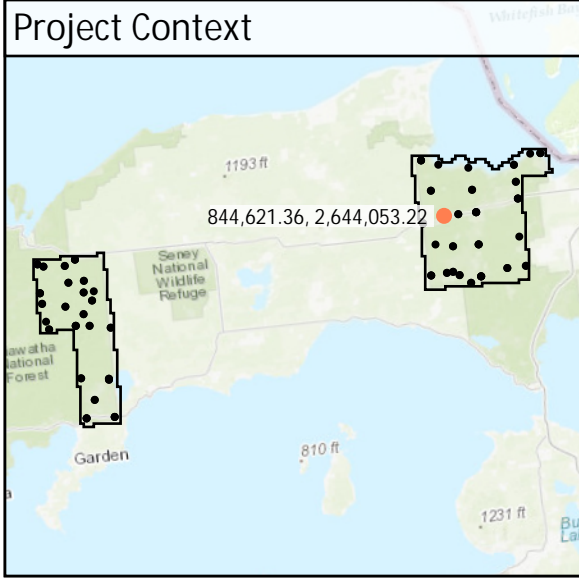


DEM Dz -0.03 m

NVA - BE28

All Points TIN Dz -0.02 m

BE29	Known Z	264.54 m	Point Density	2.86 ppsm
	DEM Dz	-0.04 m	Ground Density	2.86 ppsm
	All Points TIN Dz	-0.04 m	Slope	0.98 °

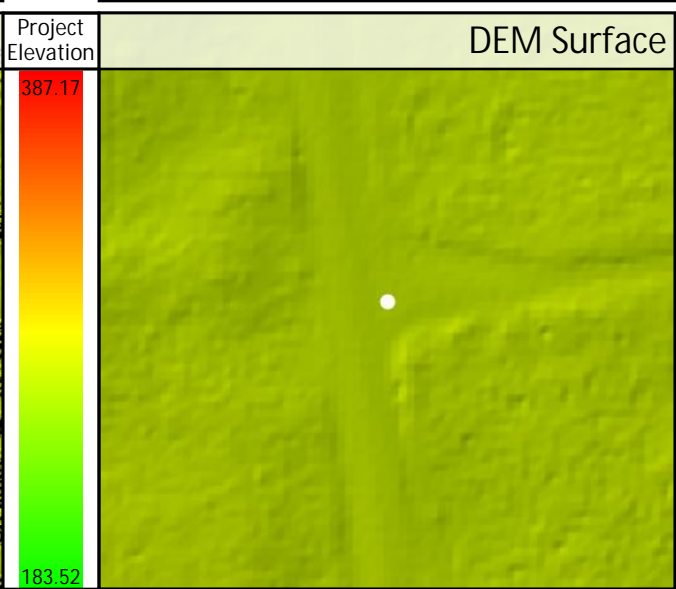
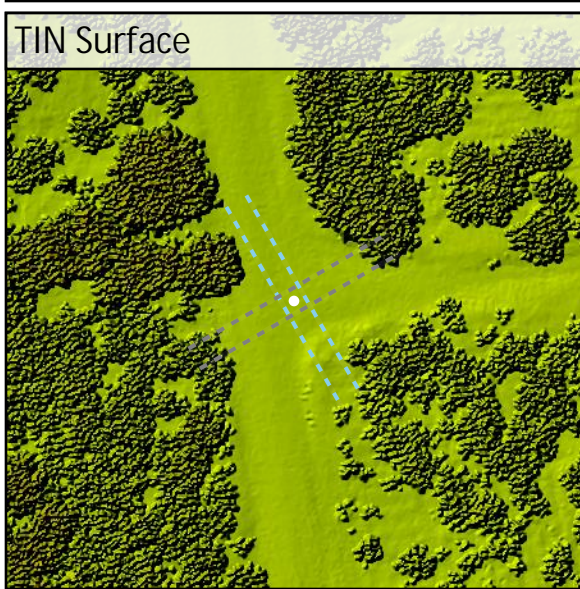
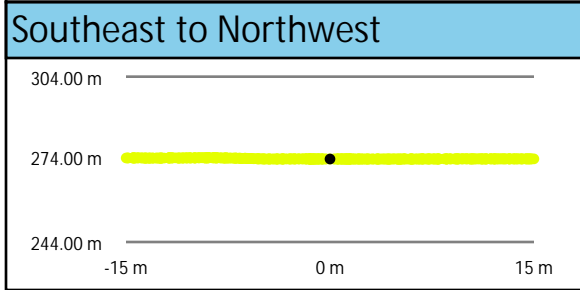
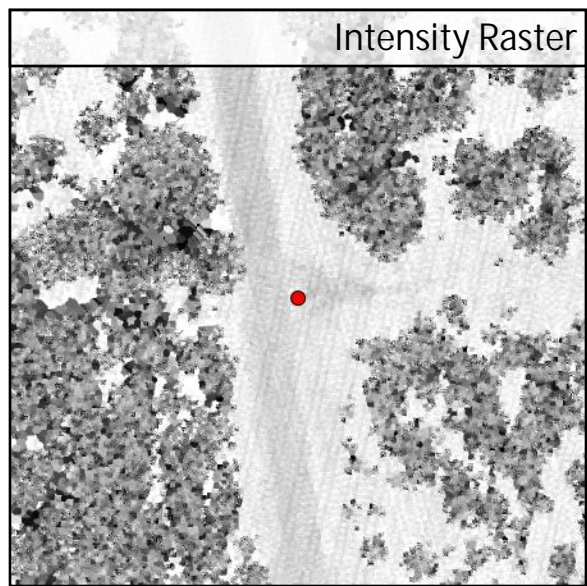
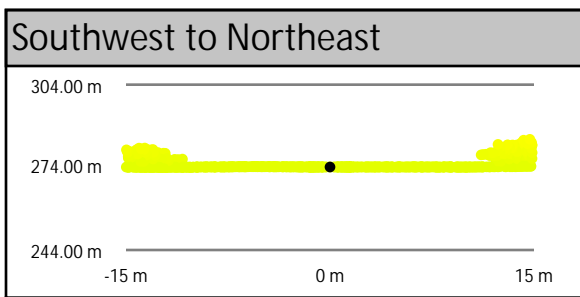
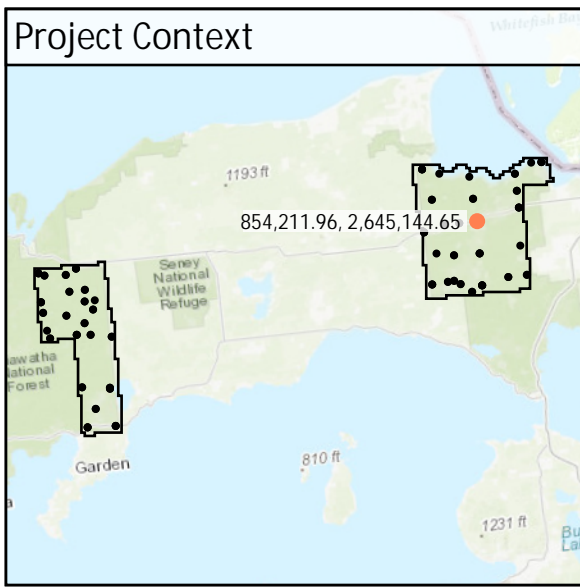


DEM Dz -0.04 m

NVA - BE29

All Points TIN Dz -0.04 m

BE30	Known Z	274.11 m	Point Density	5.13 ppsm
	DEM Dz	0.01 m	Ground Density	5.13 ppsm
	All Points TIN Dz	0.01 m	Slope	0.38 °

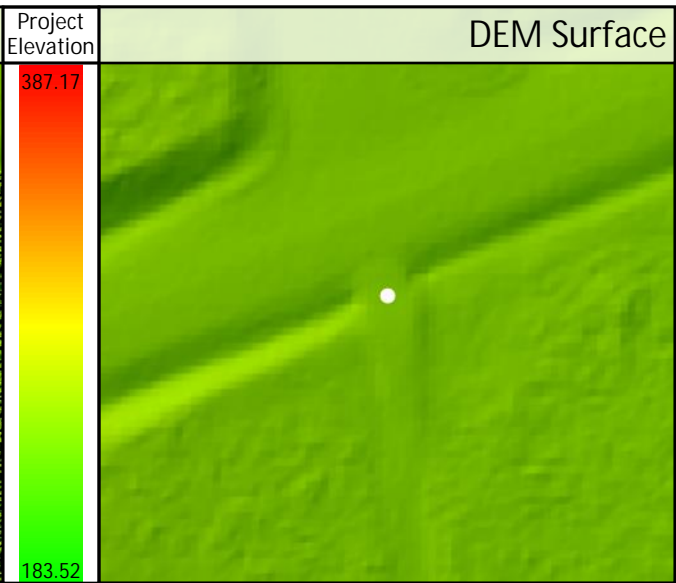
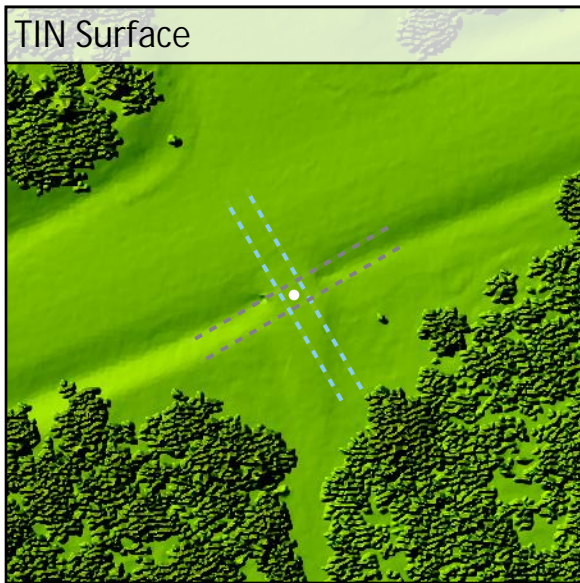
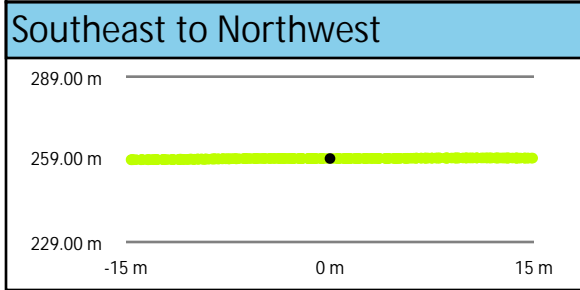
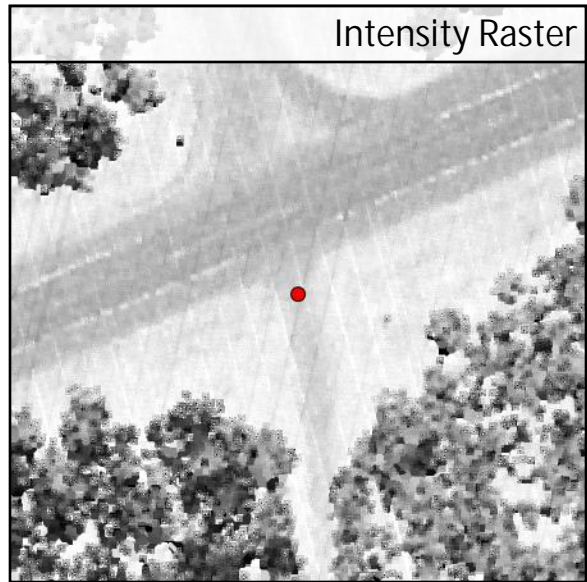
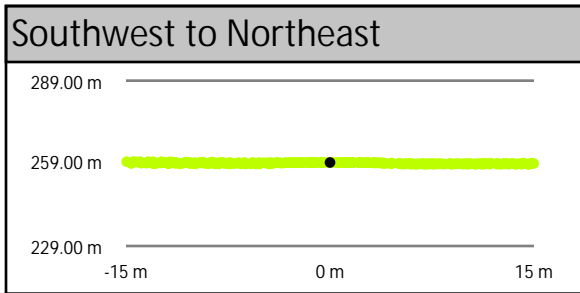
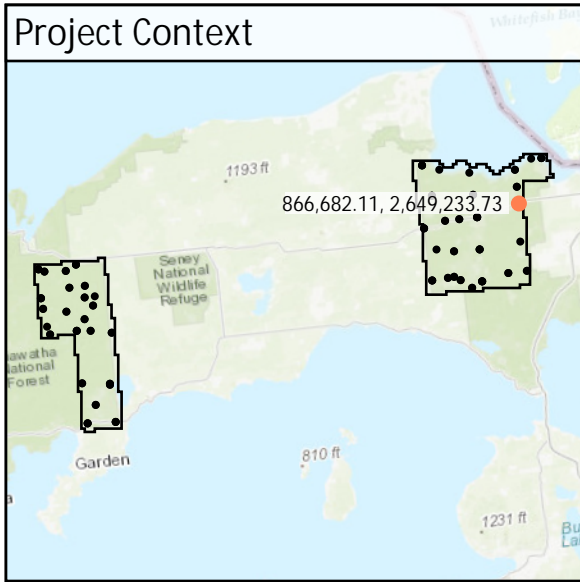


DEM Dz +0.01 m

NVA - BE30

All Points TIN Dz +0.01 m

BE31	Known Z	259.30 m	Point Density	2.94 ppsm
	DEM Dz	0.00 m	Ground Density	2.94 ppsm
	All Points TIN Dz	0.01 m	Slope	0.24 °

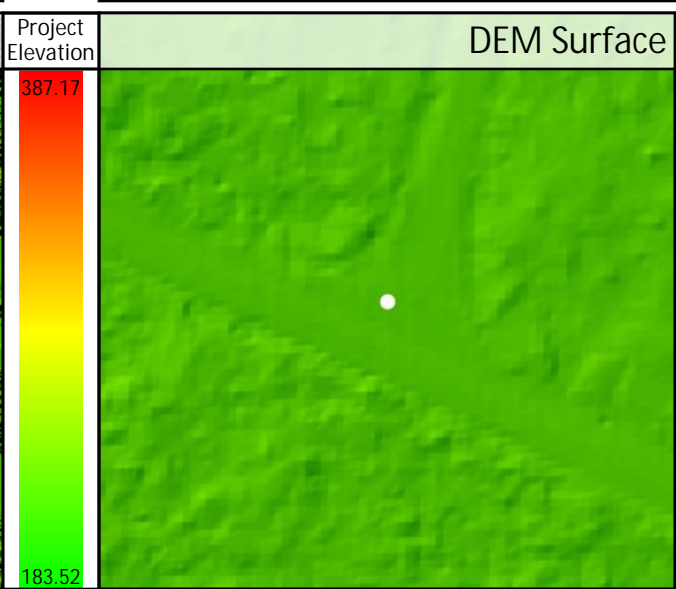
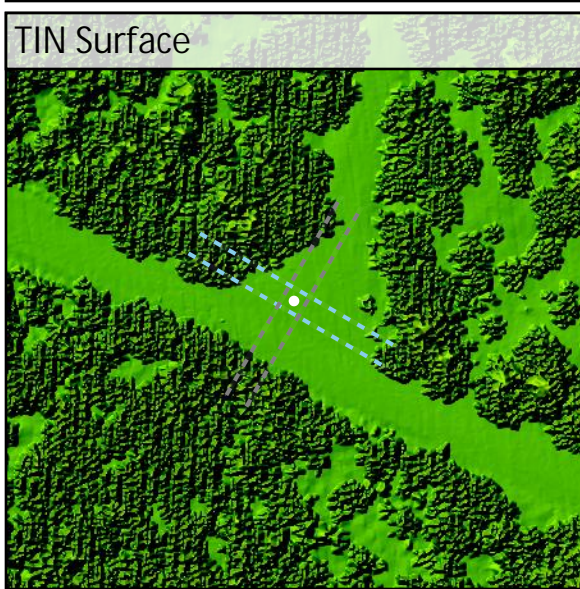
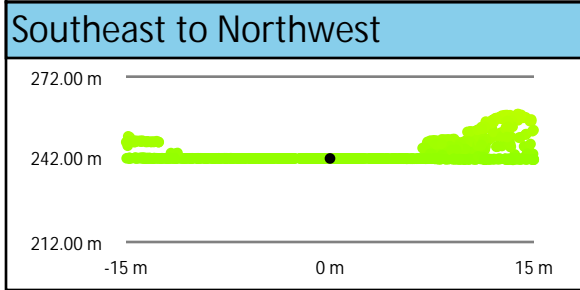
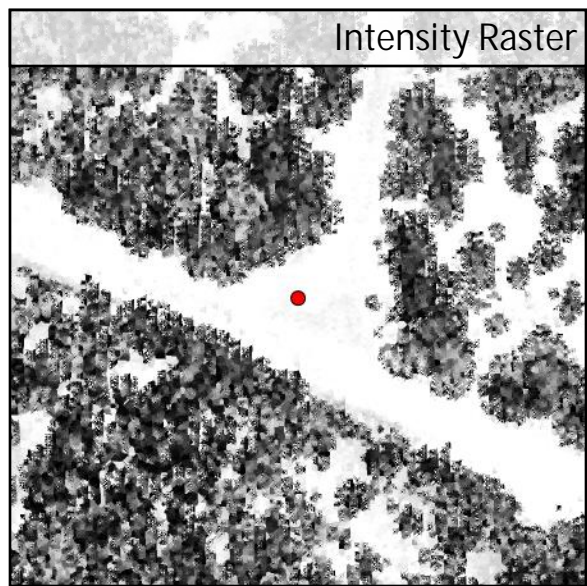
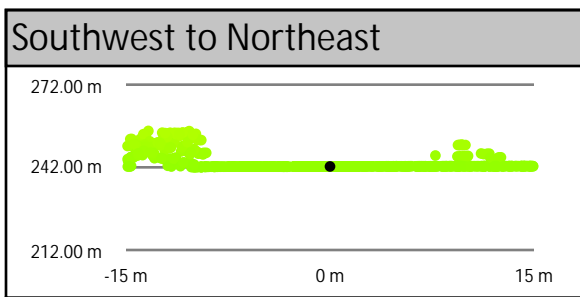
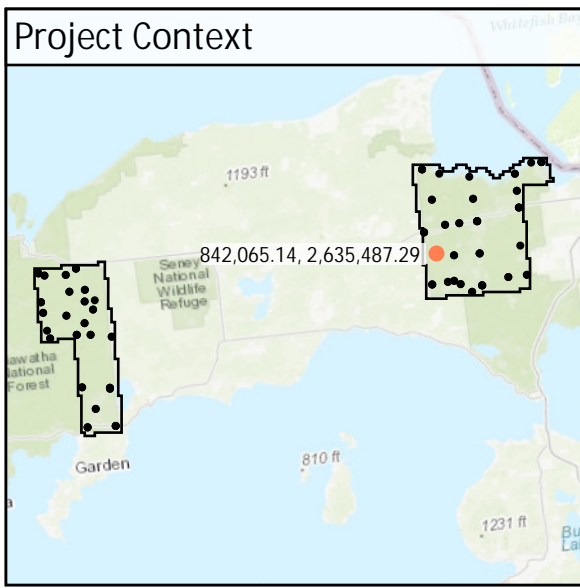


DEM Dz +0.00 m

NVA - BE31

All Points TIN Dz +0.01 m

BE32	Known Z	242.32 m	Point Density	5.62 ppsm
	DEM Dz	0.01 m	Ground Density	5.62 ppsm
	All Points TIN Dz	0.01 m	Slope	1.27 °

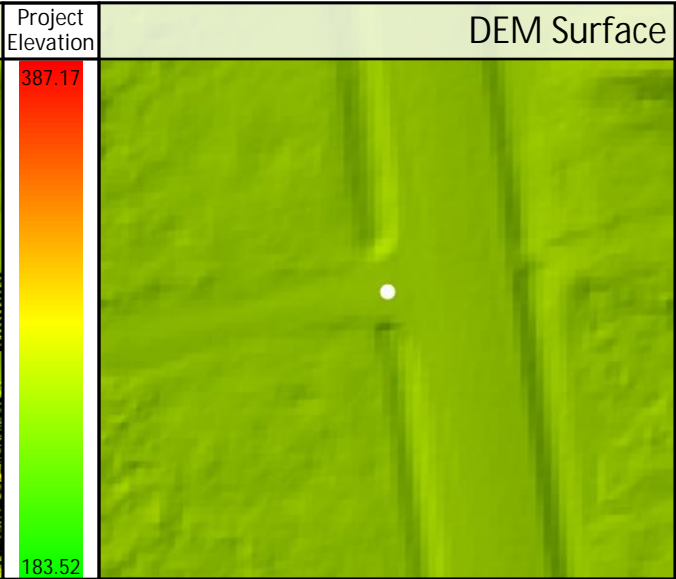
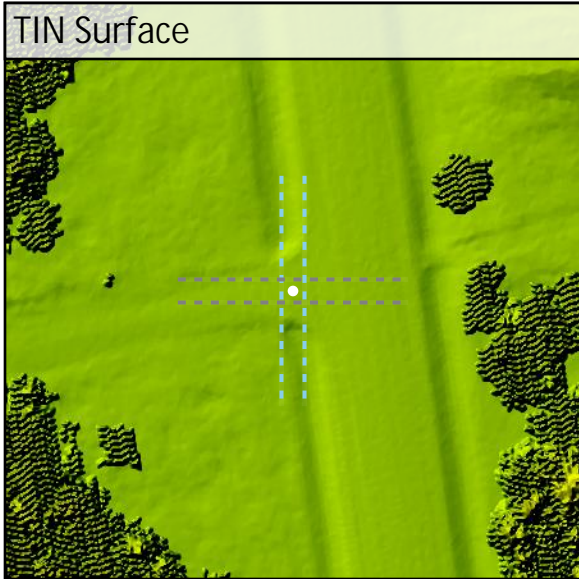
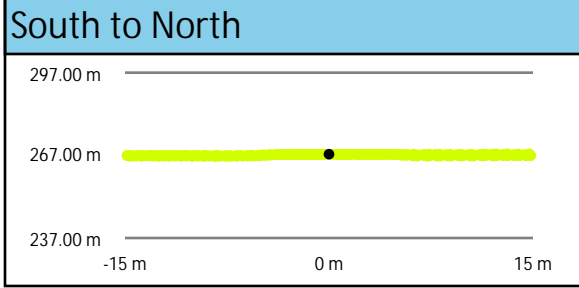
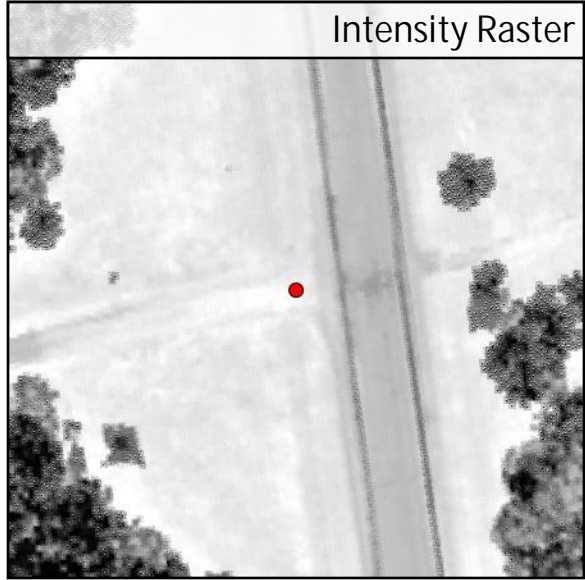
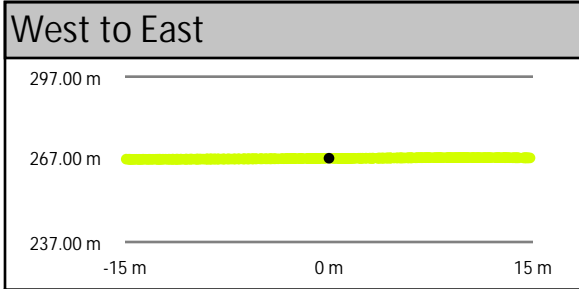
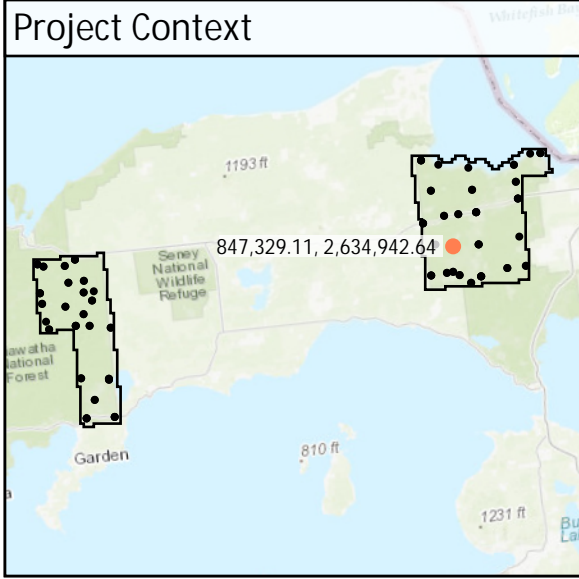


DEM Dz +0.01 m

NVA - BE32

All Points TIN Dz +0.01 m

BE33	Known Z	267.40 m	Point Density	3.40 ppsm
	DEM Dz	-0.05 m	Ground Density	3.40 ppsm
	All Points TIN Dz	-0.05 m	Slope	1.47 °

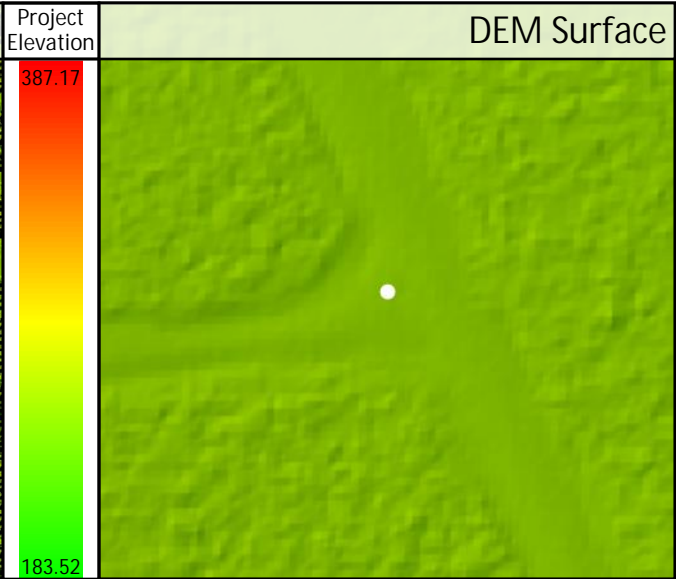
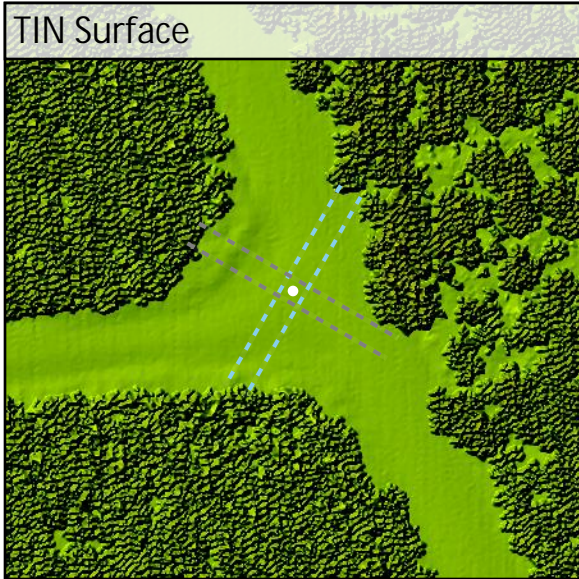
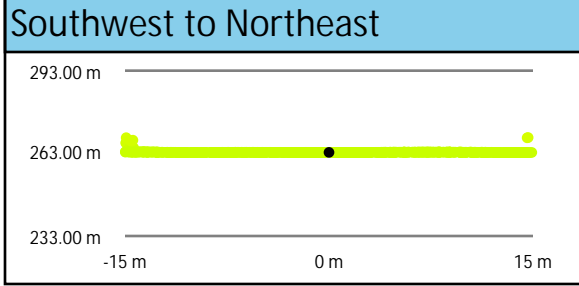
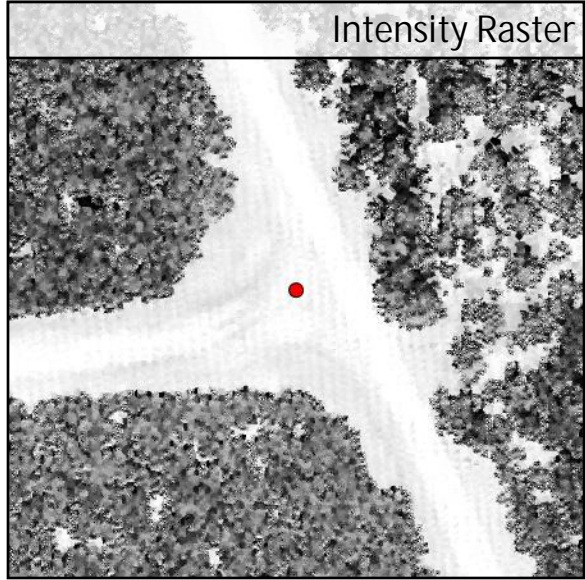
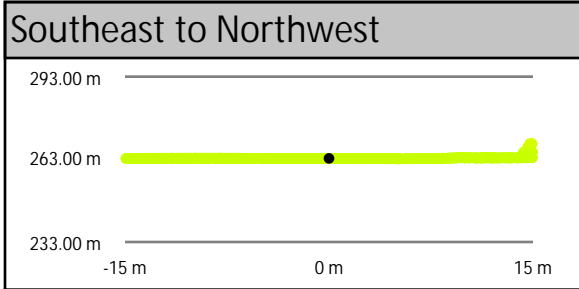
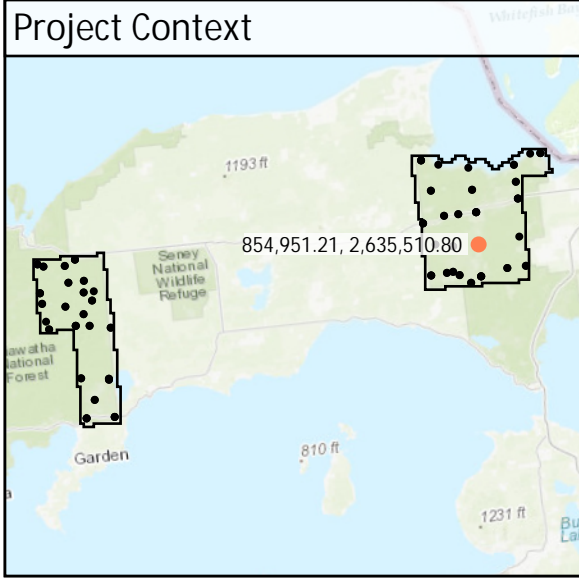


DEM Dz -0.05 m

NVA - BE33

All Points TIN Dz -0.05 m

BE34	Known Z	263.34 m	Point Density	5.84 ppsm
	DEM Dz	0.00 m	Ground Density	5.84 ppsm
	All Points TIN Dz	0.00 m	Slope	0.23 °

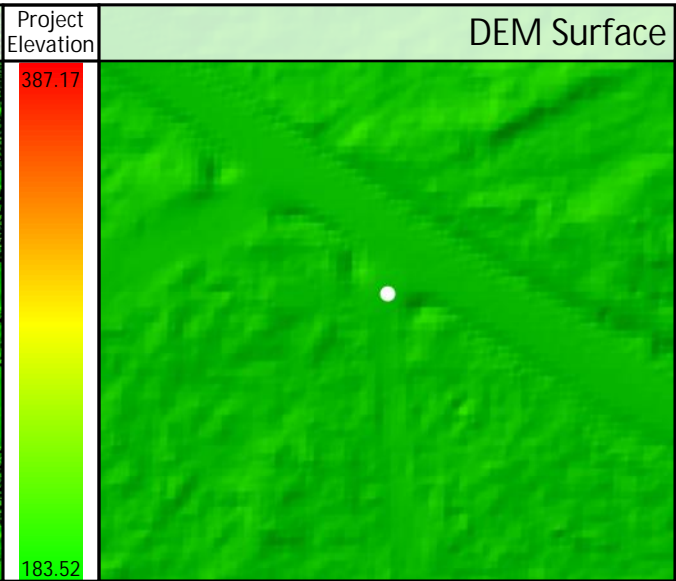
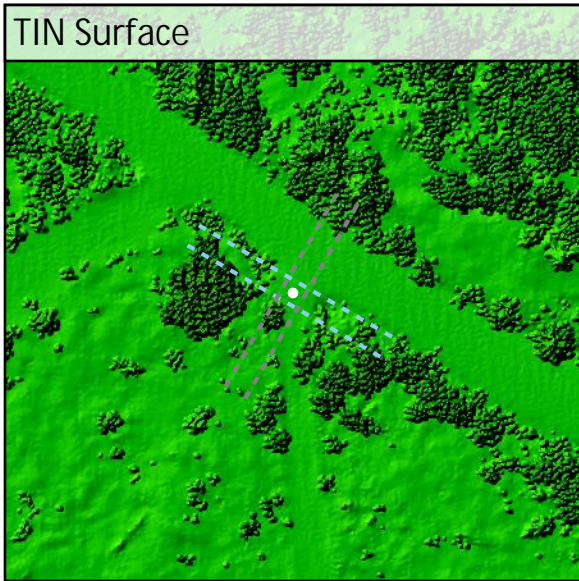
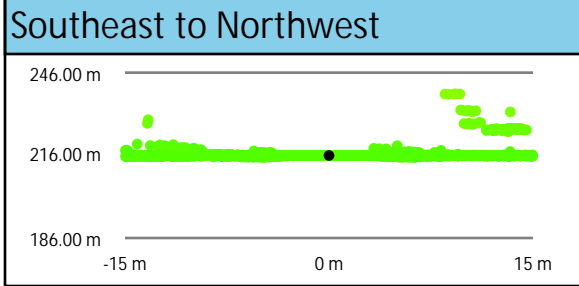
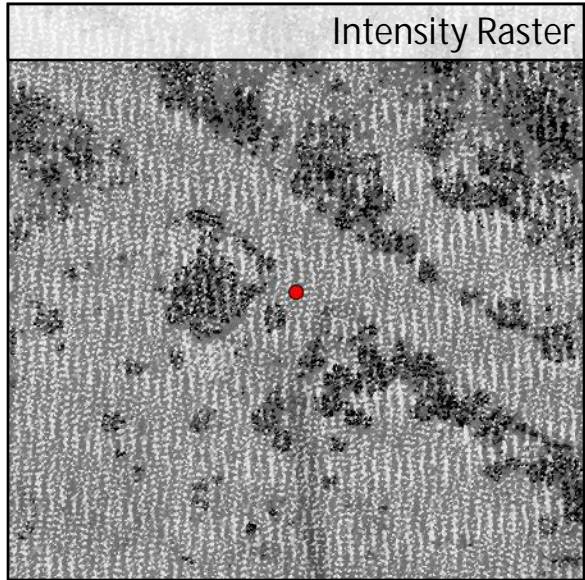
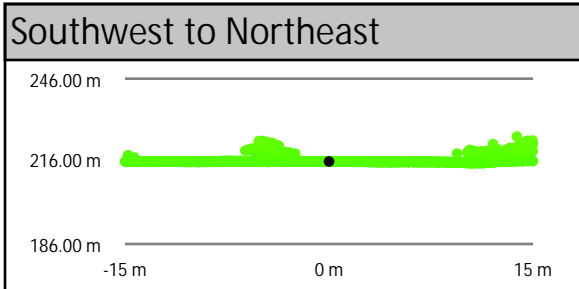
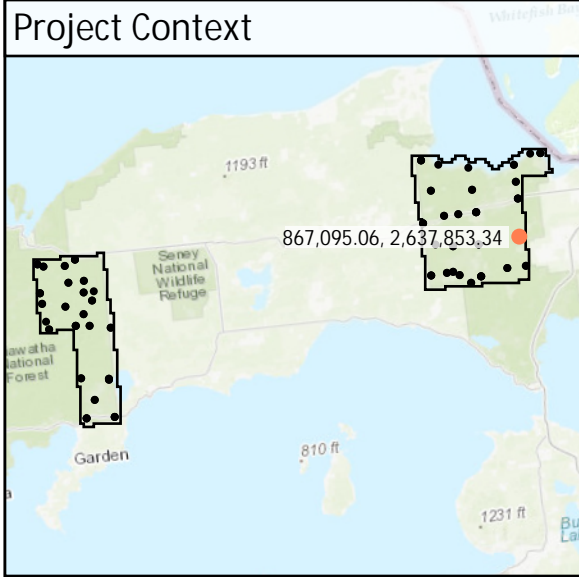


DEM Dz +0.00 m

NVA - BE34

All Points TIN Dz +0.00 m

BE35	Known Z	215.94 m	Point Density	9.41 ppsm
	DEM Dz	0.00 m	Ground Density	9.48 ppsm
	All Points TIN Dz	0.00 m	Slope	1.12 °

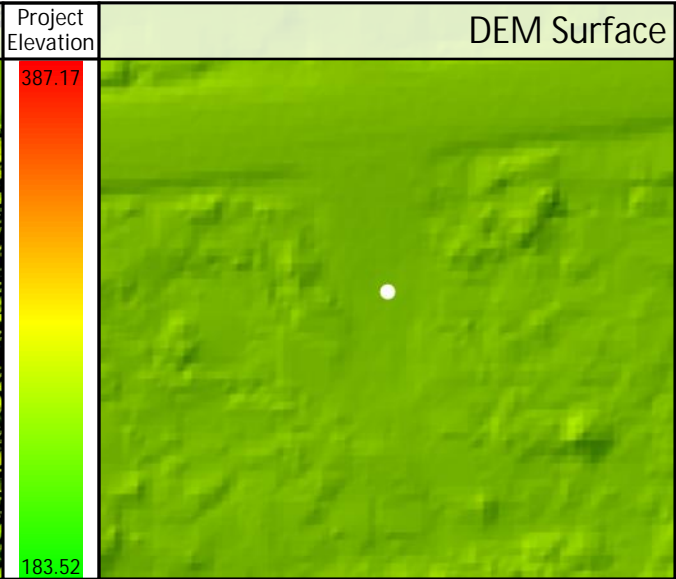
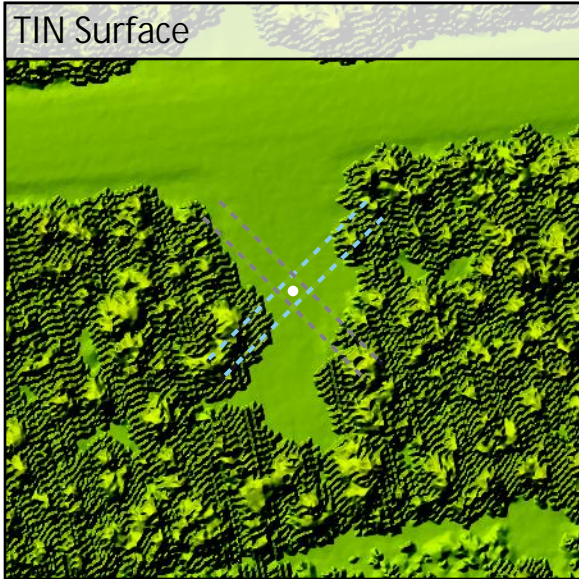
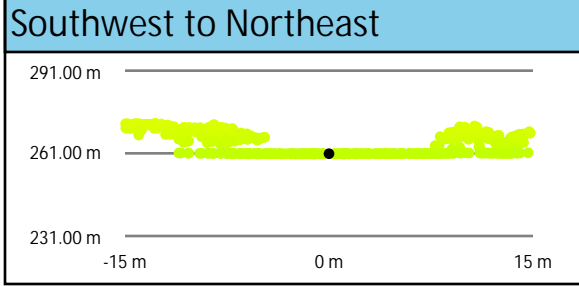
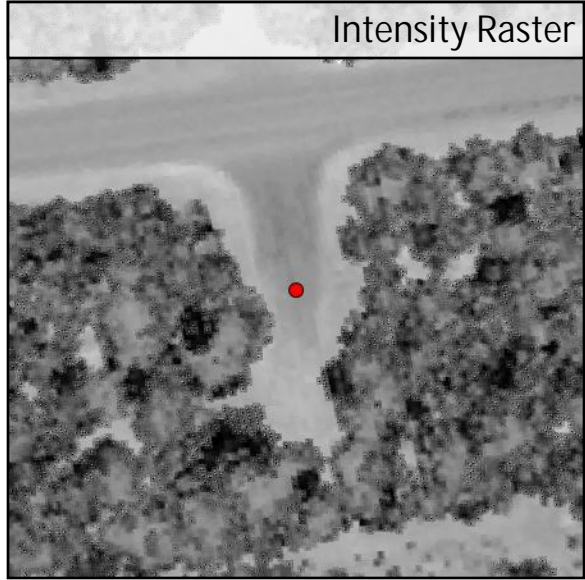
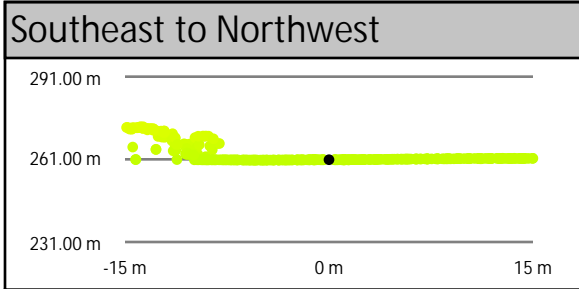
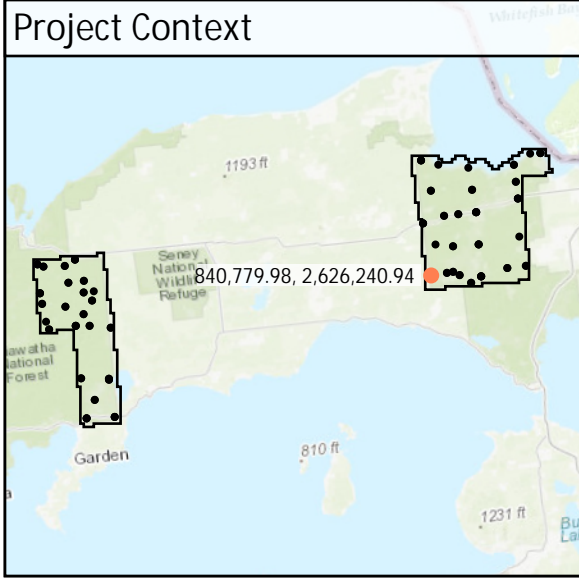


DEM Dz +0.00 m

NVA - BE35

All Points TIN Dz 0.00 m

BE36	Known Z	260.86 m	Point Density	3.11 ppsm
	DEM Dz	-0.01 m	Ground Density	3.11 ppsm
	All Points TIN Dz	-0.01 m	Slope	1.52 °

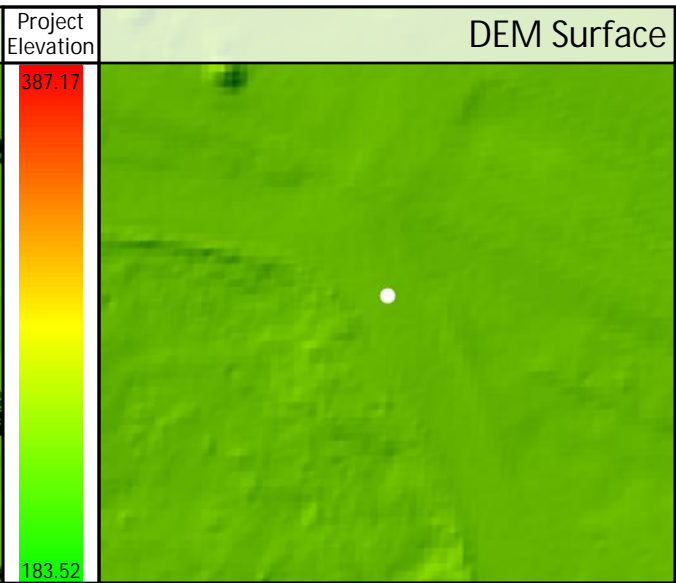
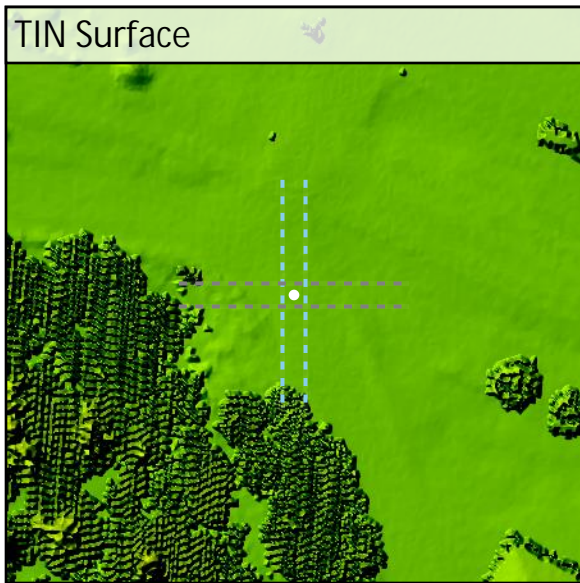
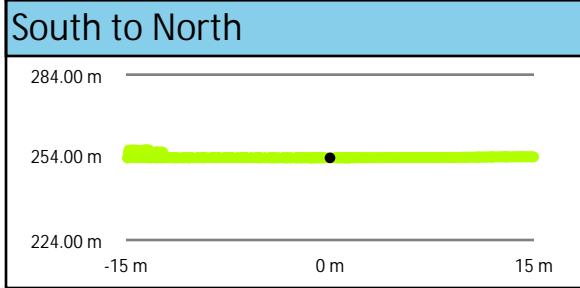
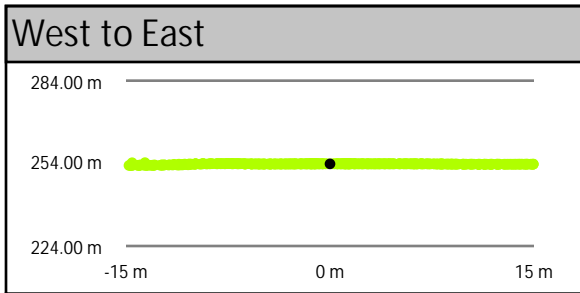
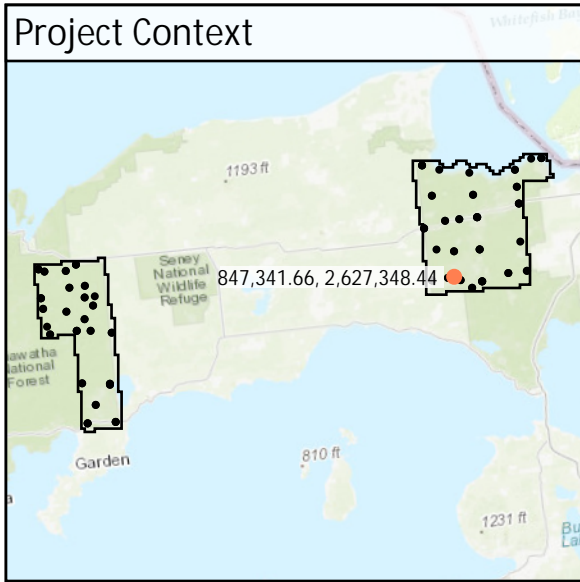


DEM Dz -0.01 m

NVA - BE36

All Points TIN Dz -0.01 m

BE37	Known Z	253.81 m	Point Density	5.06 ppsm
	DEM Dz	0.02 m	Ground Density	5.06 ppsm
	All Points TIN Dz	0.02 m	Slope	0.55 °

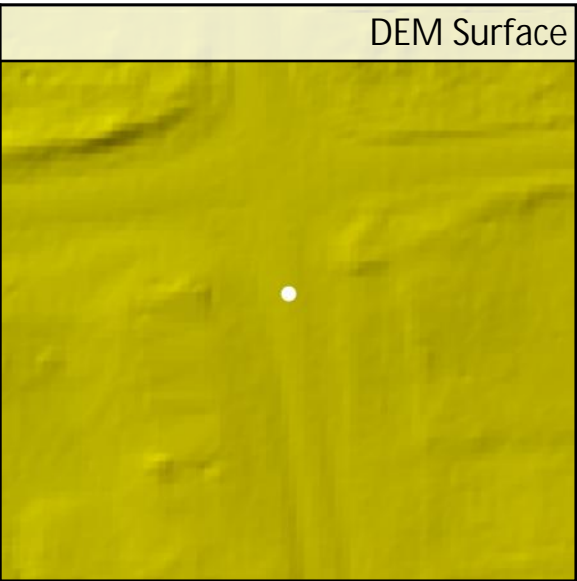
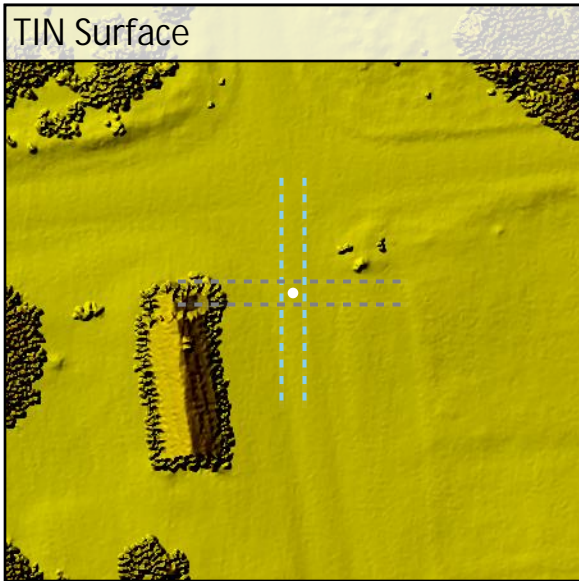
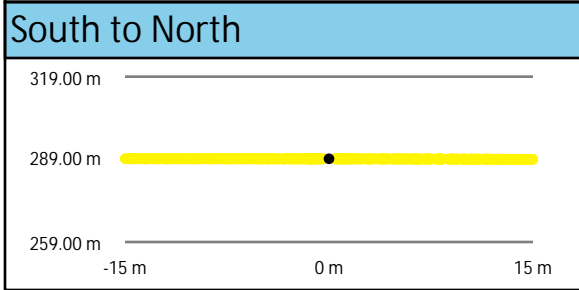
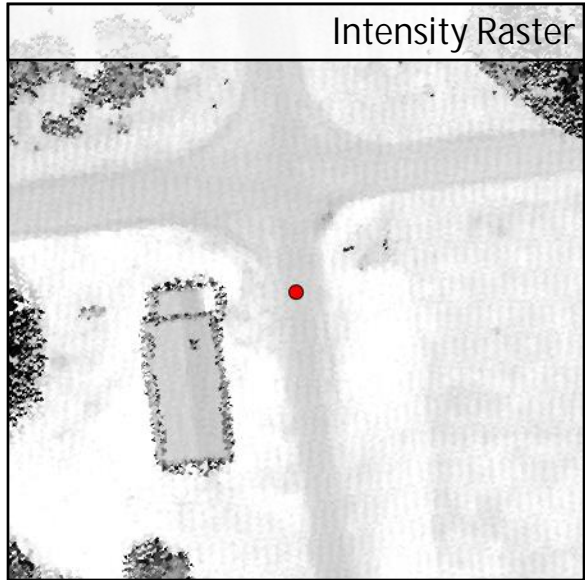
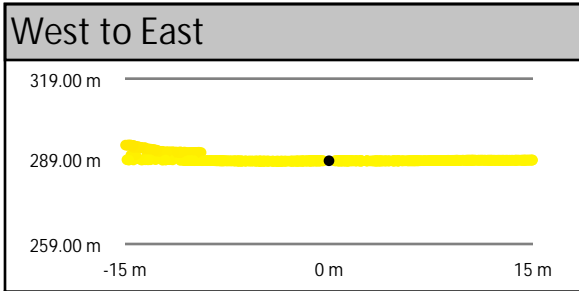
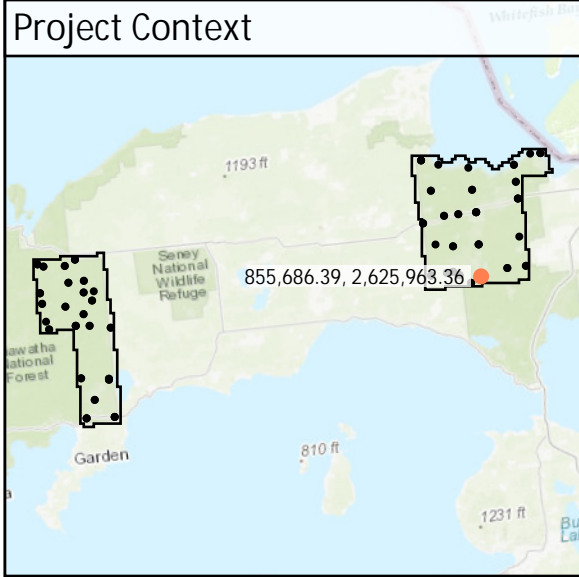


DEM Dz +0.02 m

NVA - BE37

All Points TIN Dz +0.02 m

BE38	Known Z	289.21 m	Point Density	6.30 ppsm
	DEM Dz	-0.03 m	Ground Density	6.30 ppsm
	All Points TIN Dz	-0.03 m	Slope	1.35 °

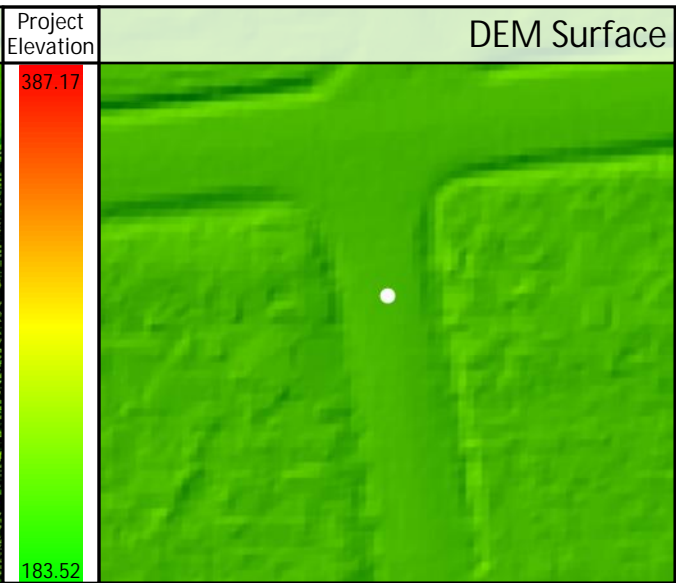
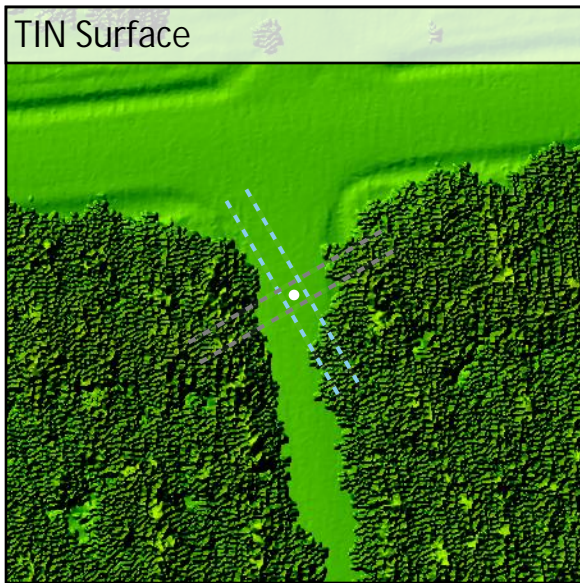
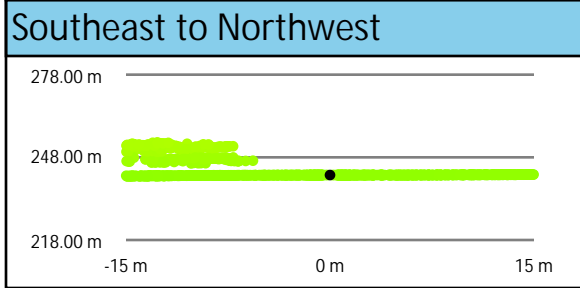
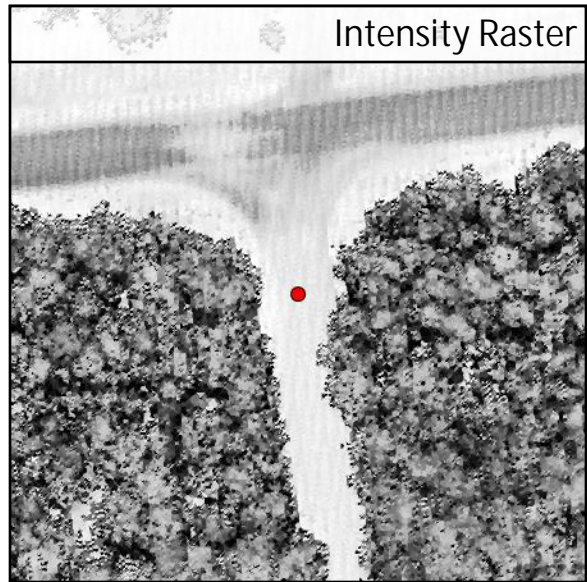
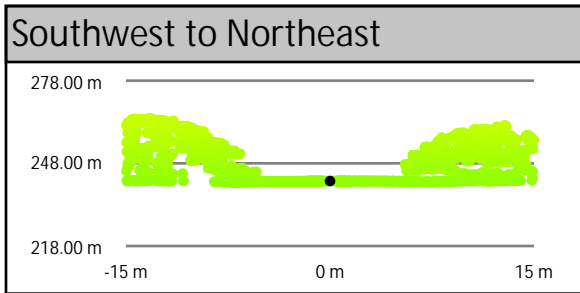
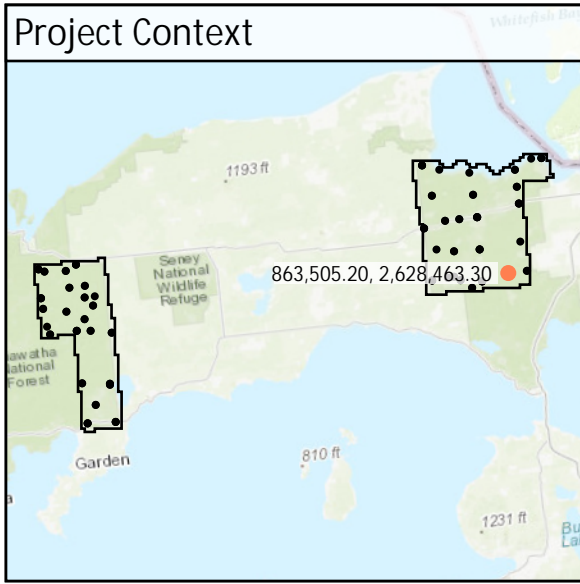


DEM Dz -0.03 m

NVA - BE38

All Points TIN Dz -0.03 m

BE39	Known Z	241.57 m	Point Density	6.65 ppsm
	DEM Dz	-0.01 m	Ground Density	6.65 ppsm
	All Points TIN Dz	0.00 m	Slope	1.07 °

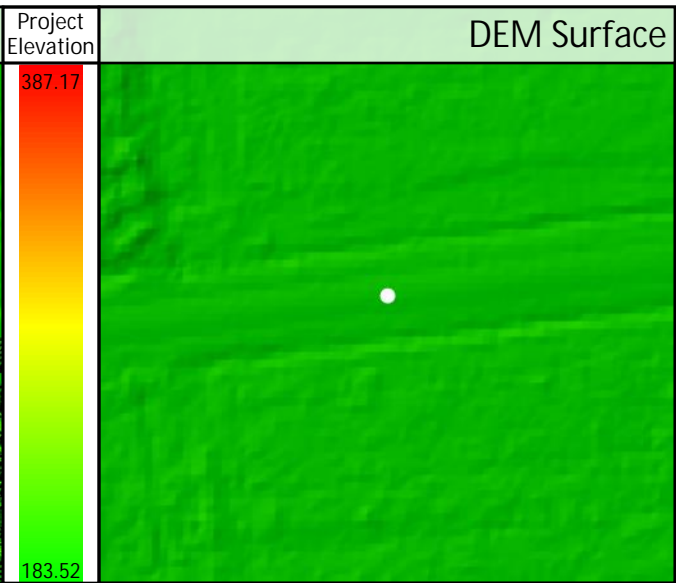
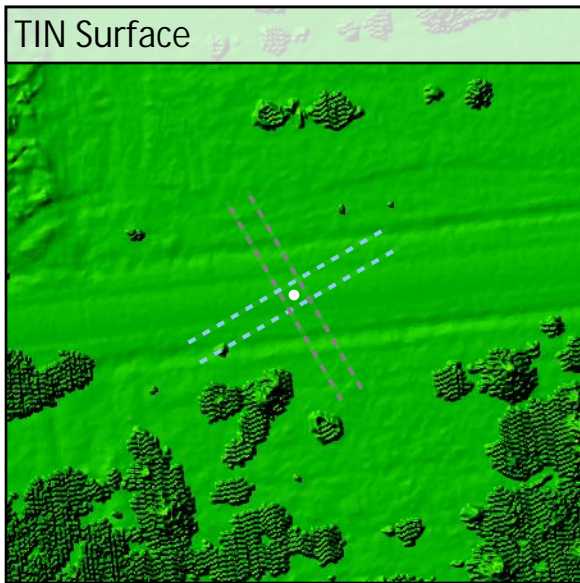
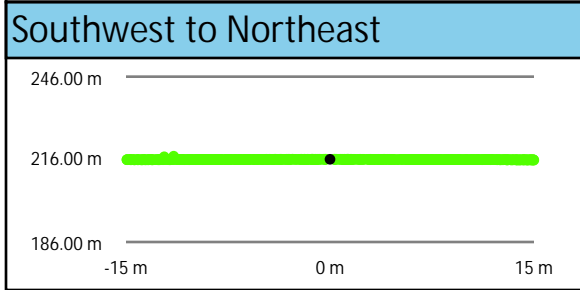
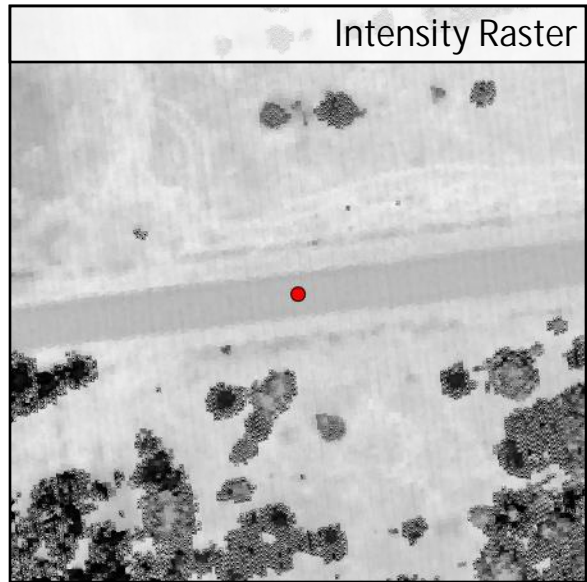
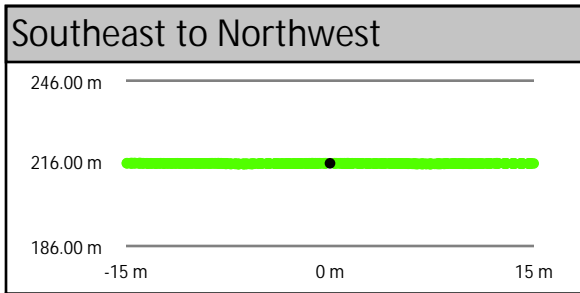
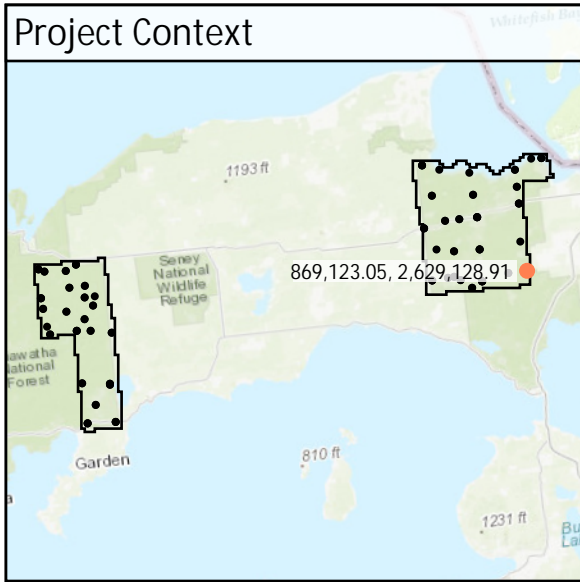


DEM Dz -0.01 m

NVA - BE39

All Points TIN Dz 0.00 m

BE40	Known Z	216.01 m	Point Density	4.28 ppsm
	DEM Dz	0.00 m	Ground Density	4.28 ppsm
	All Points TIN Dz	0.01 m	Slope	0.22 °

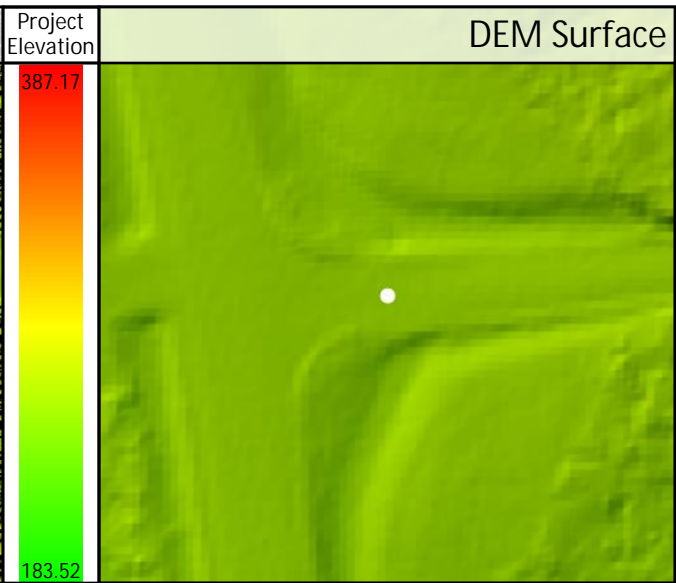
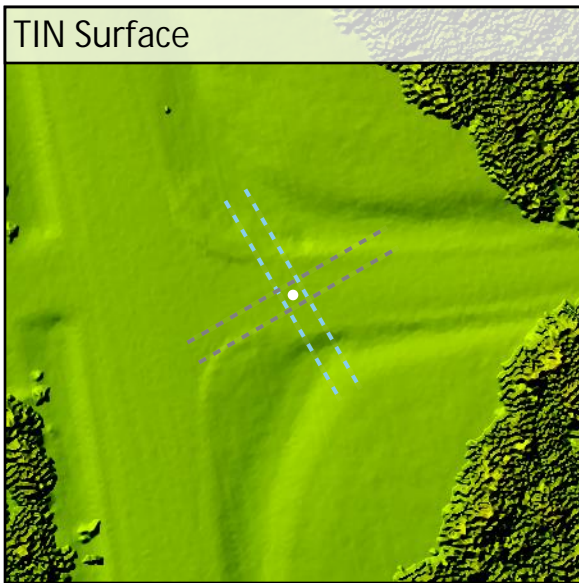
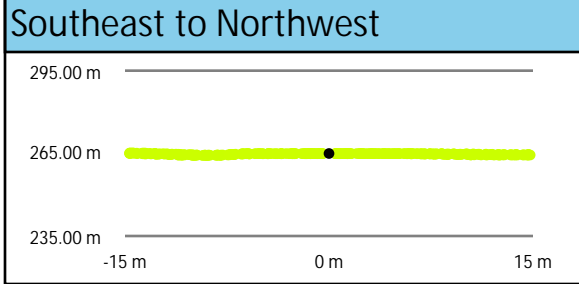
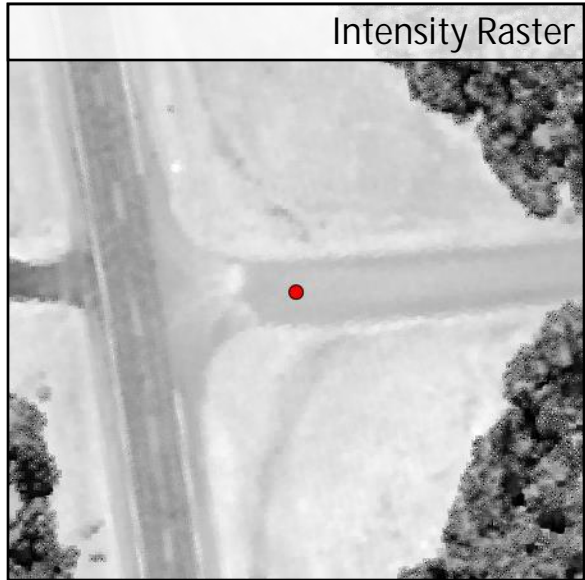
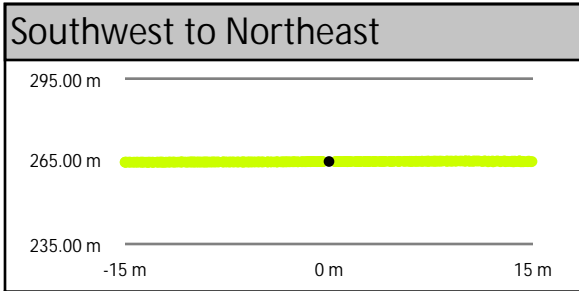
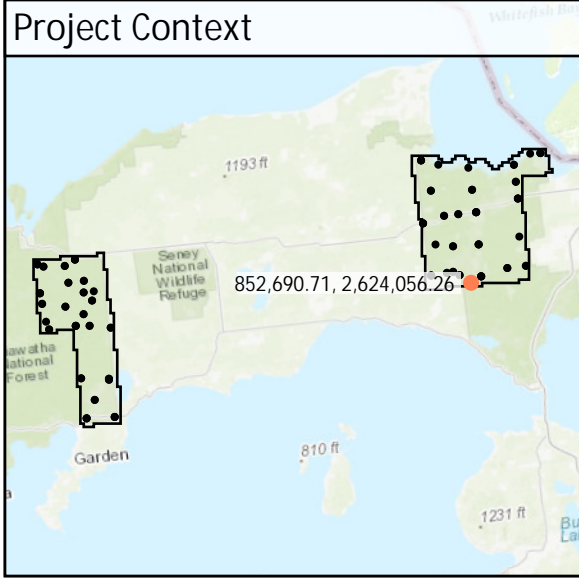


DEM Dz +0.00 m

NVA - BE40

All Points TIN Dz +0.01 m

BE41	Known Z	264.94 m	Point Density	3.15 ppsm
	DEM Dz	-0.05 m	Ground Density	3.15 ppsm
	All Points TIN Dz	-0.05 m	Slope	1.31 °

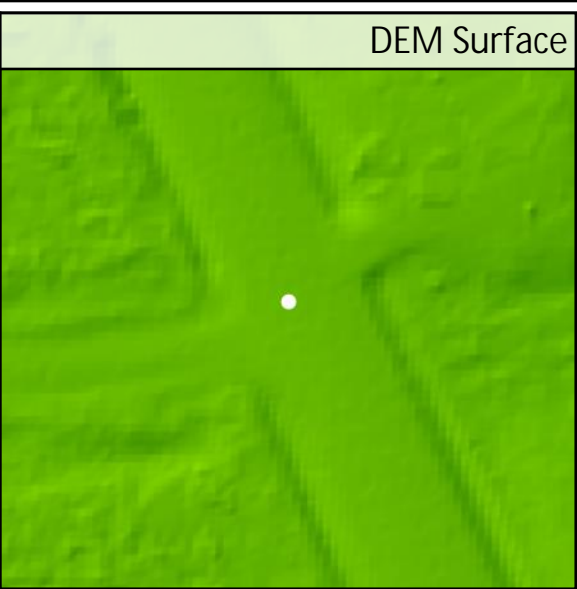
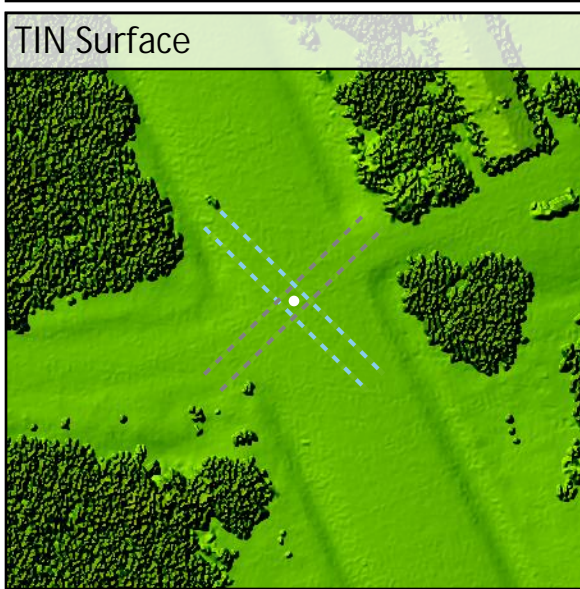
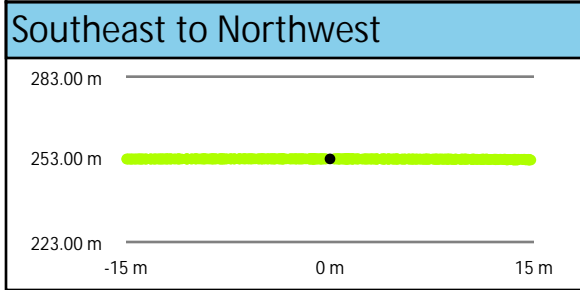
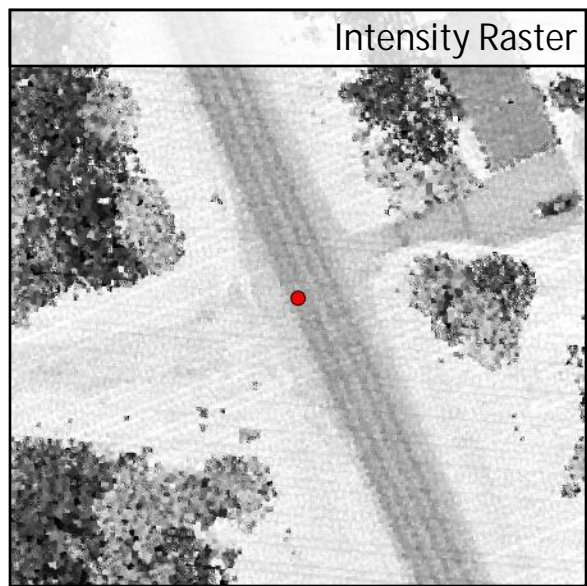
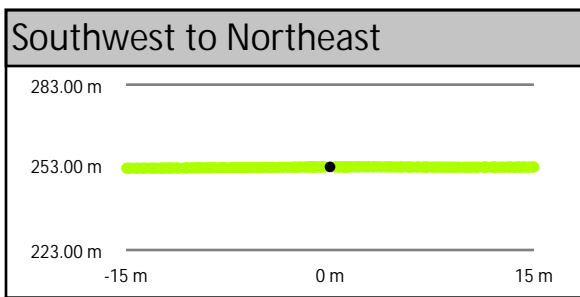
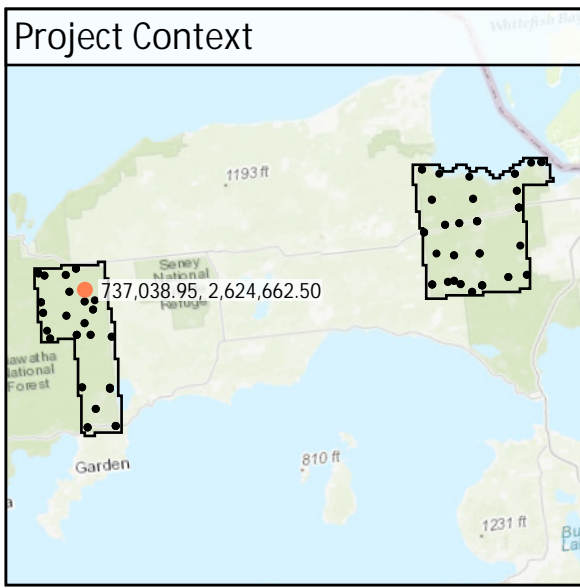


DEM Dz -0.05 m

NVA - BE41

All Points TIN Dz -0.05 m

UA01	Known Z	253.16 m	Point Density	4.85 ppsm
	DEM Dz	-0.01 m	Ground Density	4.85 ppsm
	All Points TIN Dz	0.00 m	Slope	0.97 °



DEM Dz -0.01 m

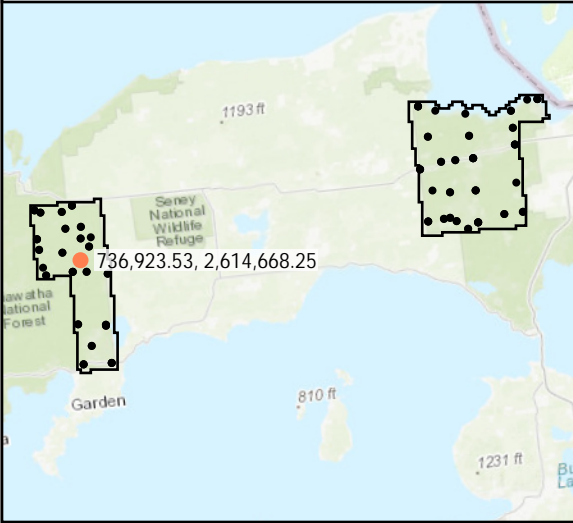
NVA - UA01

All Points TIN Dz 0.00 m

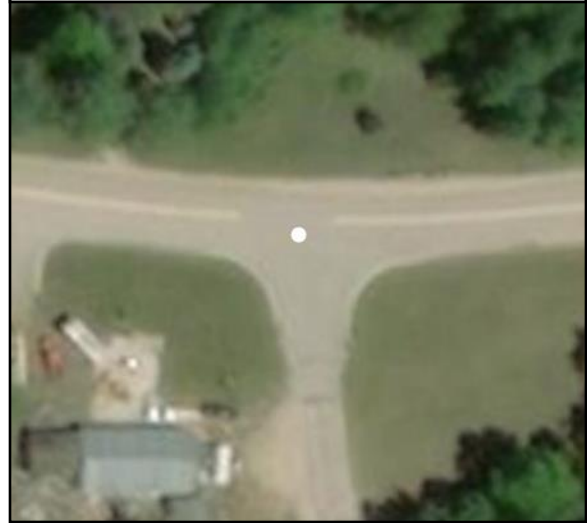
UA02

Known Z	224.54 m	Point Density	4.95 ppsm
DEM Dz	0.00 m	Ground Density	4.95 ppsm
All Points TIN Dz	0.01 m	Slope	1.05 °

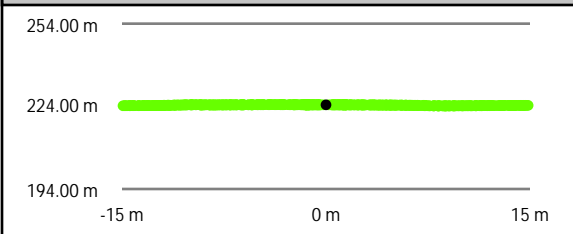
Project Context



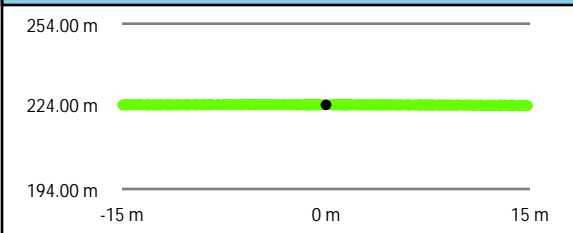
World Imagery



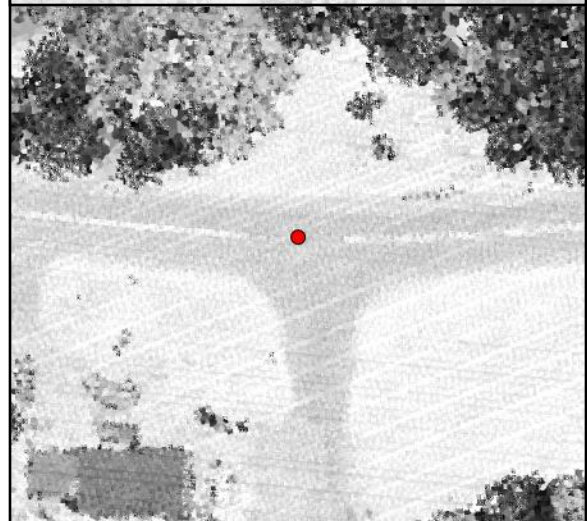
Southwest to Northeast



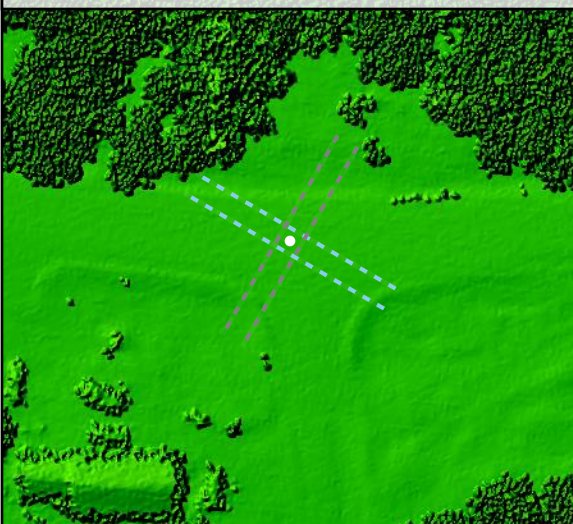
Southeast to Northwest



Intensity Raster



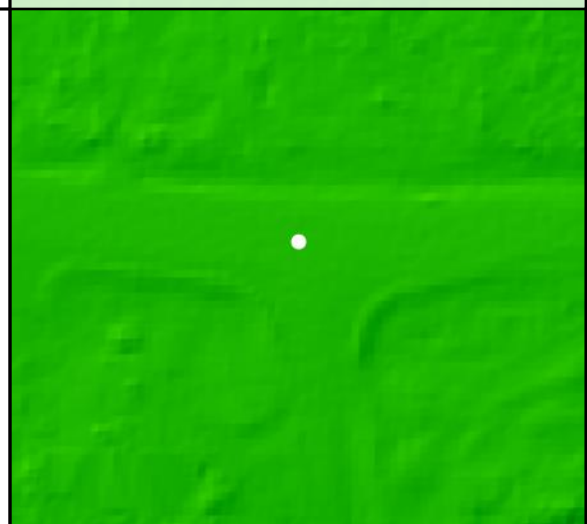
TIN Surface



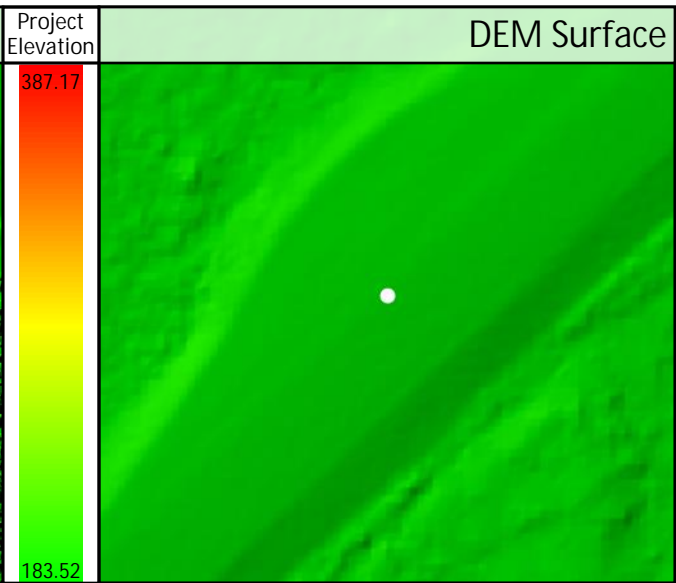
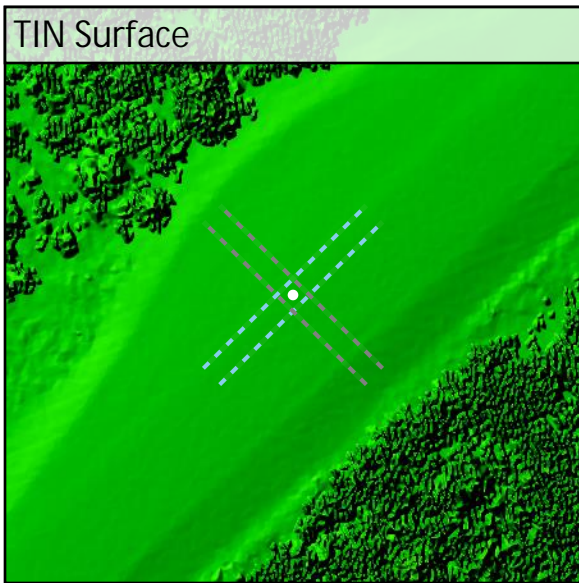
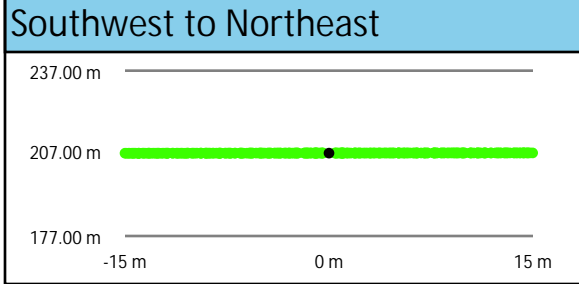
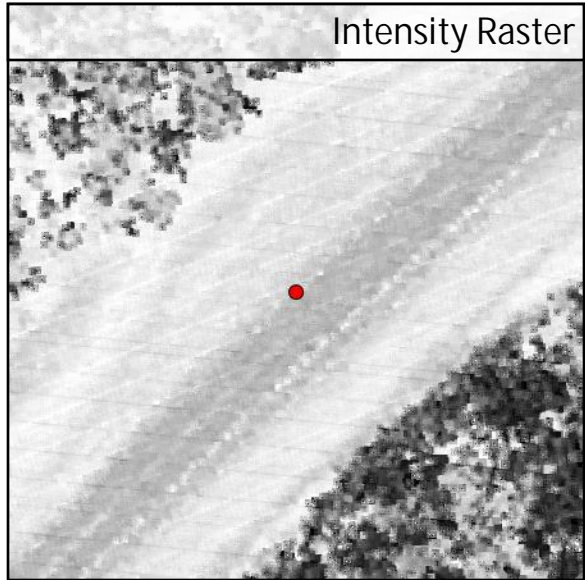
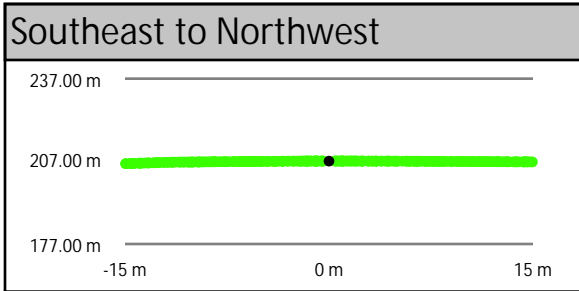
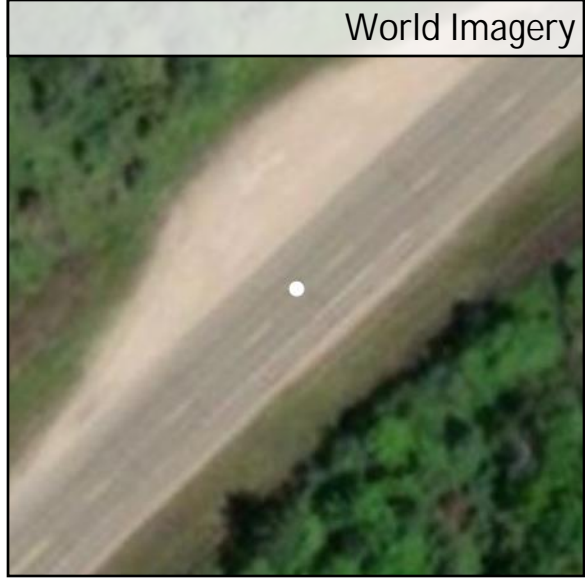
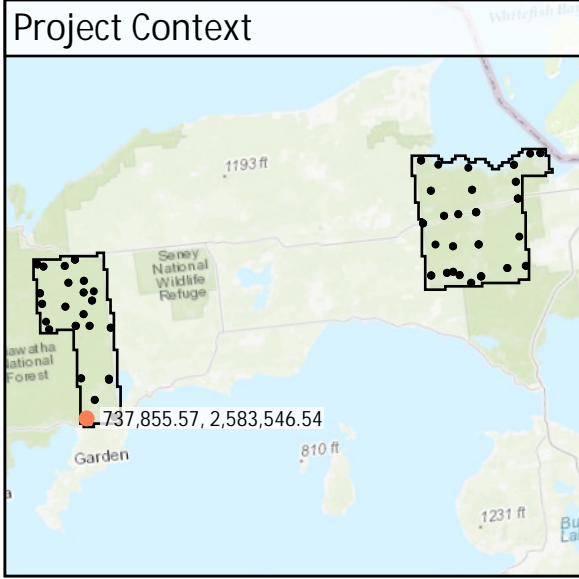
Project Elevation



DEM Surface



UA03	Known Z	207.07 m	Point Density	2.72 ppsm
	DEM Dz	0.03 m	Ground Density	2.72 ppsm
	All Points TIN Dz	0.03 m	Slope	0.55 °

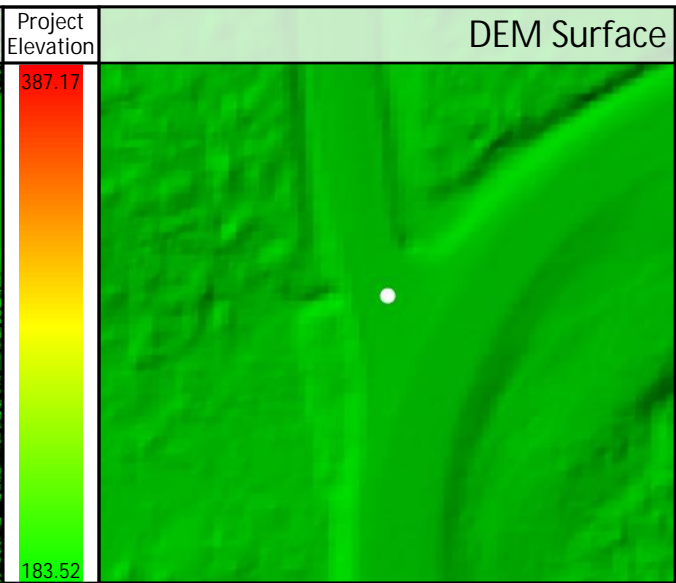
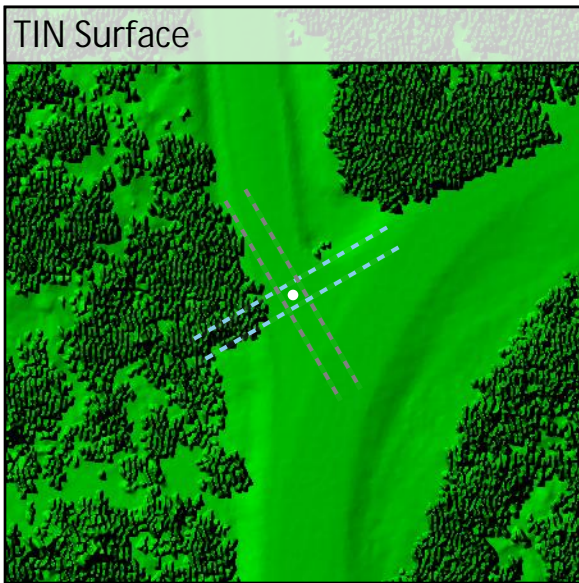
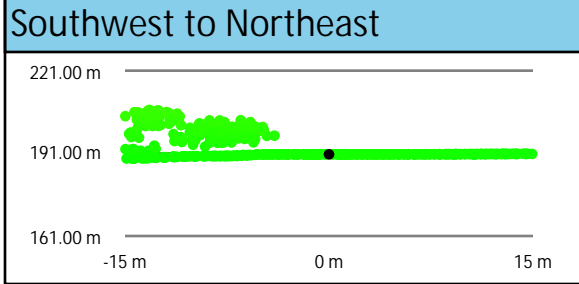
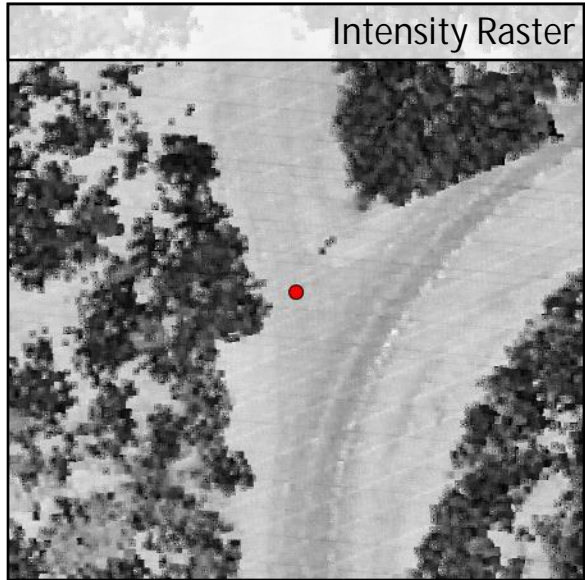
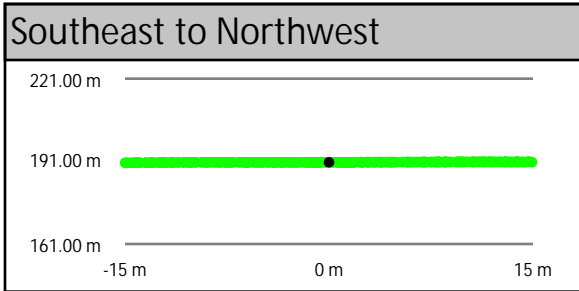
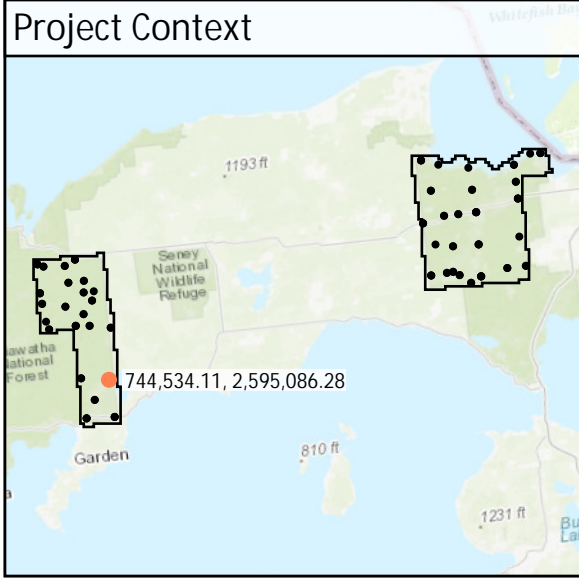


DEM Dz +0.03 m

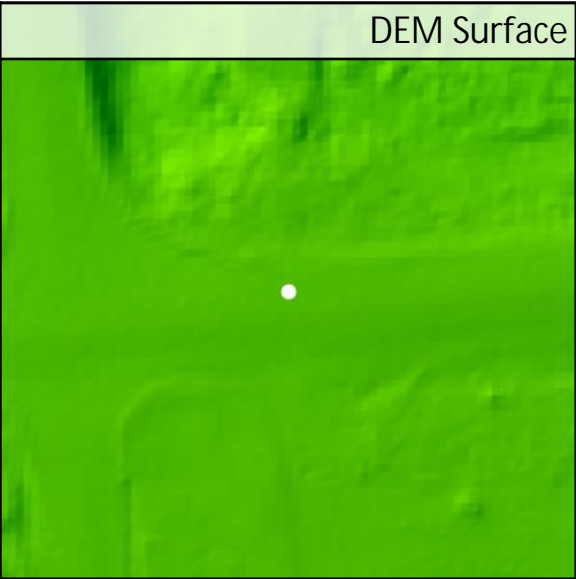
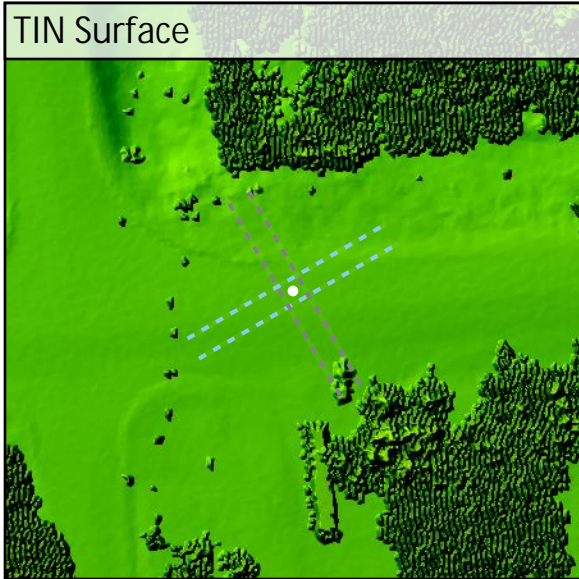
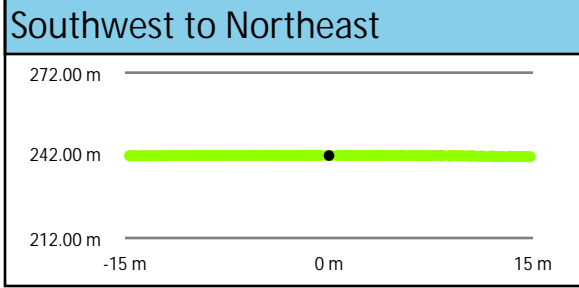
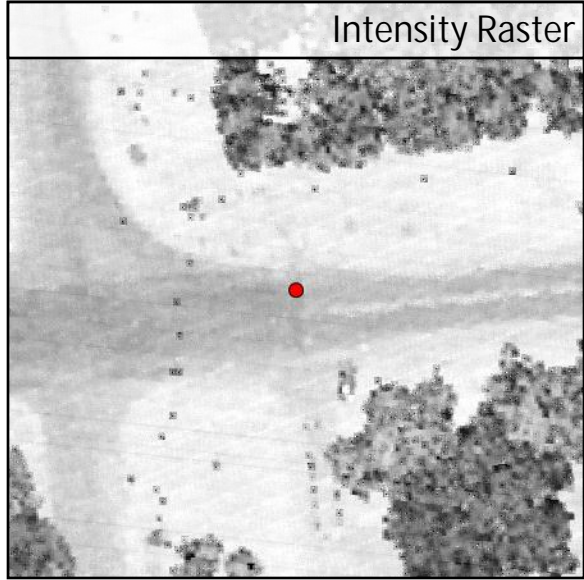
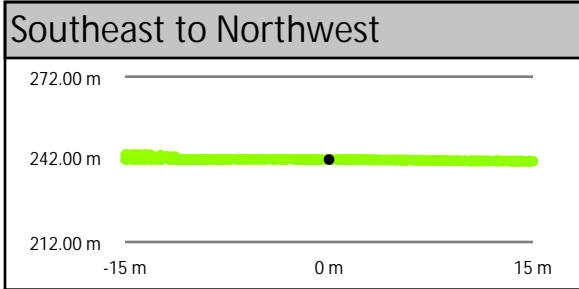
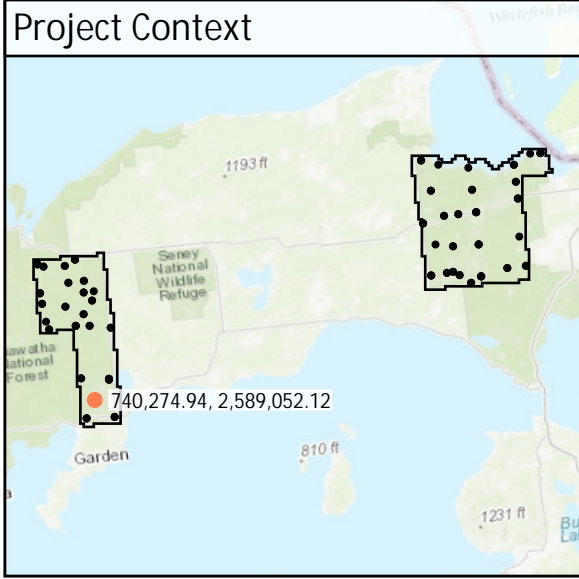
NVA - UA03

All Points TIN Dz +0.03 m

UA04	Known Z	190.63 m	Point Density	2.79 ppsm
	DEM Dz	0.01 m	Ground Density	2.79 ppsm
	All Points TIN Dz	0.01 m	Slope	0.74 °



UA05	Known Z	241.92 m	Point Density	3.47 ppsm
	DEM Dz	0.00 m	Ground Density	3.47 ppsm
	All Points TIN Dz	0.00 m	Slope	2.09 °

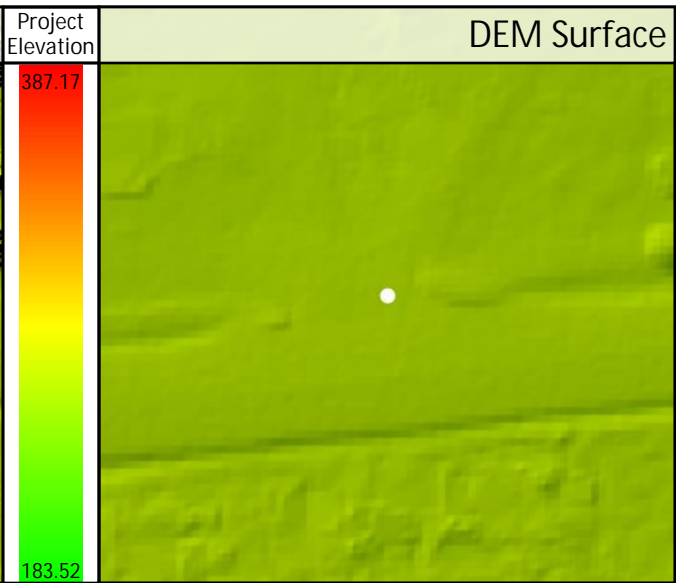
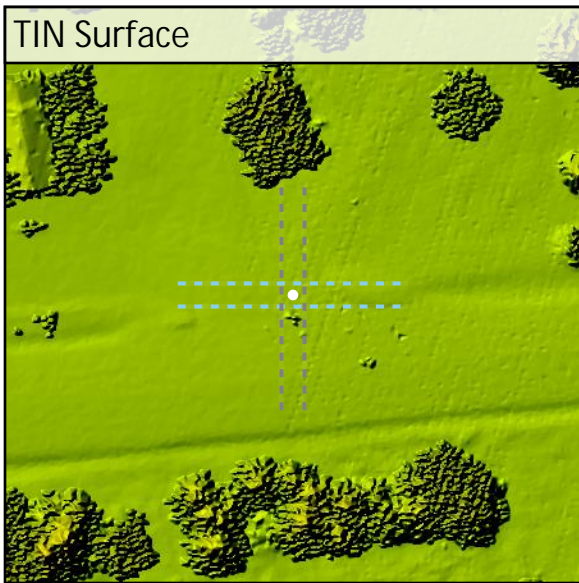
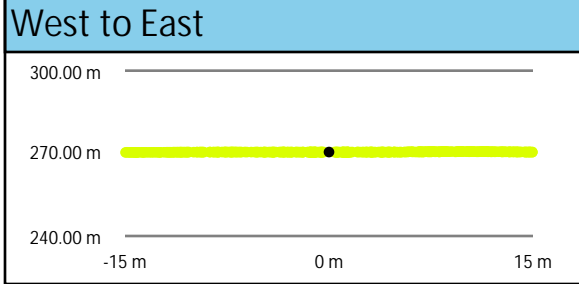
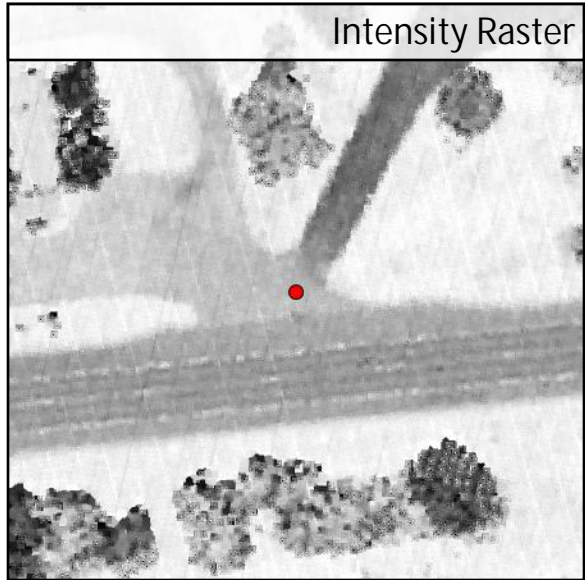
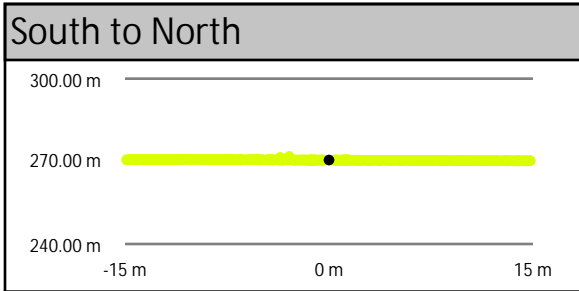
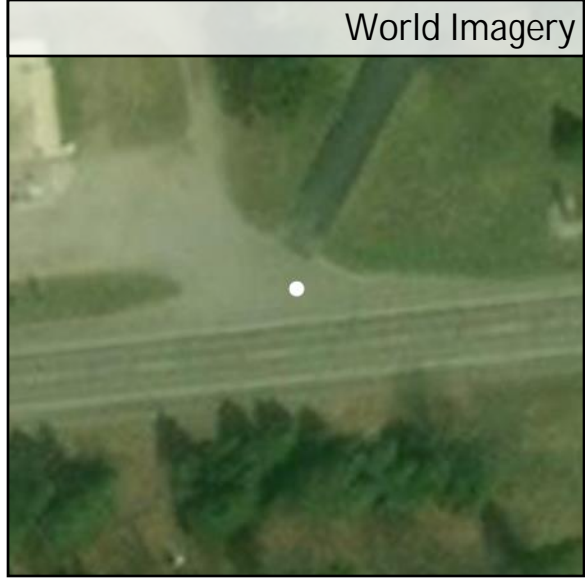
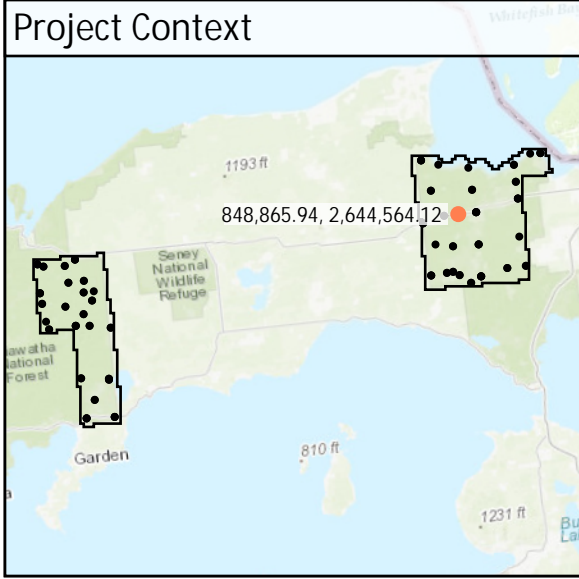


DEM Dz +0.00 m

NVA - UA05

All Points TIN Dz 0.00 m

UA06	Known Z	270.47 m	Point Density	3.43 ppsm
	DEM Dz	-0.03 m	Ground Density	3.47 ppsm
	All Points TIN Dz	-0.02 m	Slope	1.35 °

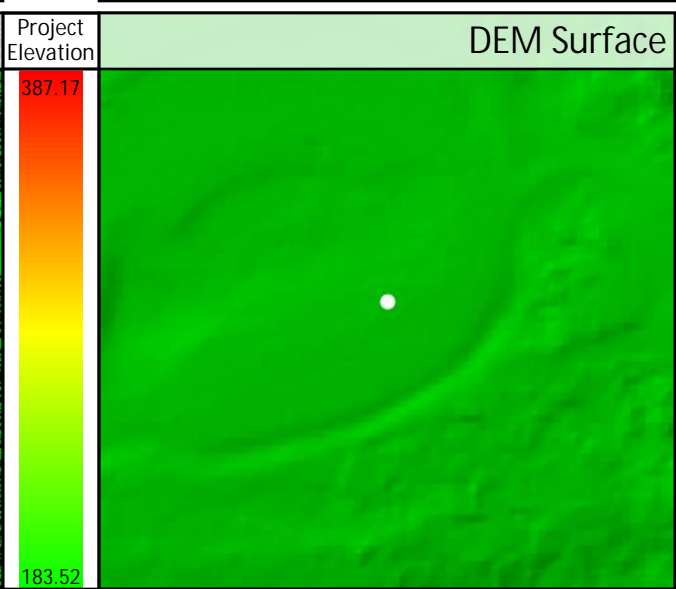
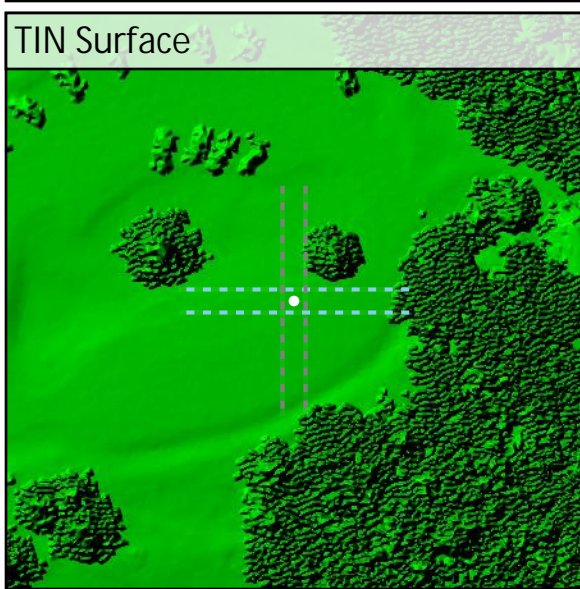
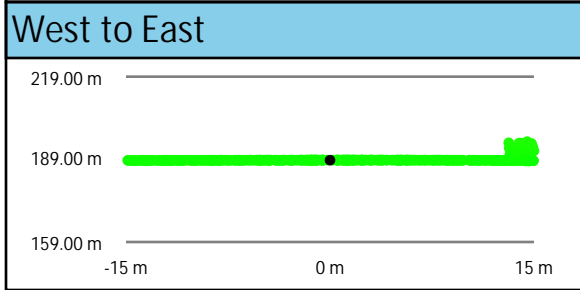
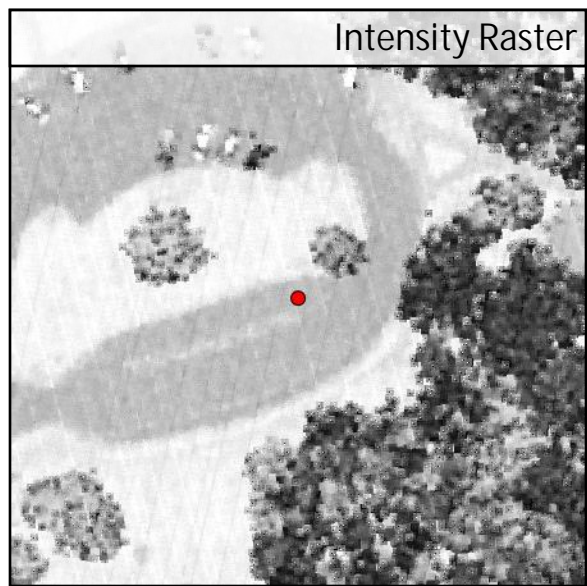
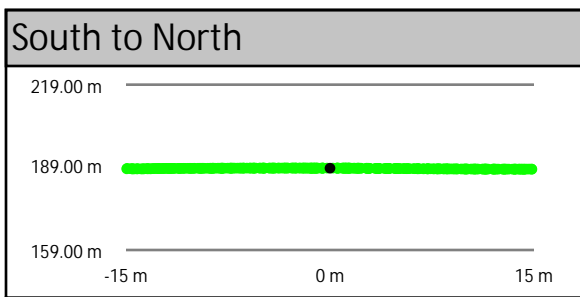
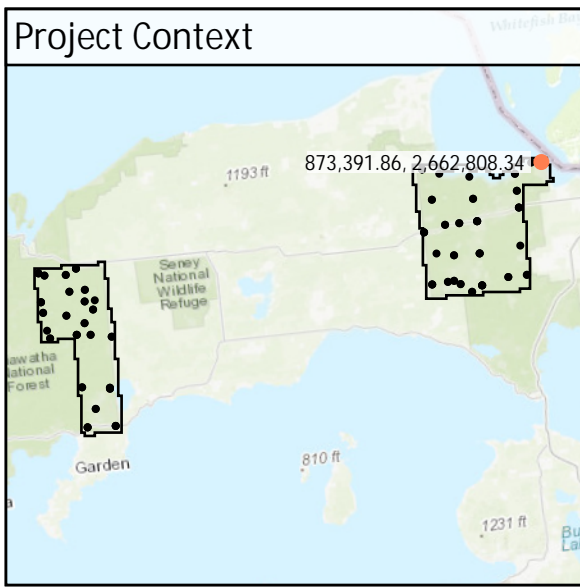


DEM Dz -0.03 m

NVA - UA06

All Points TIN Dz -0.02 m

UA07	Known Z	188.69 m	Point Density	3.15 ppsm
	DEM Dz	0.02 m	Ground Density	3.15 ppsm
	All Points TIN Dz	0.03 m	Slope	0.90 °

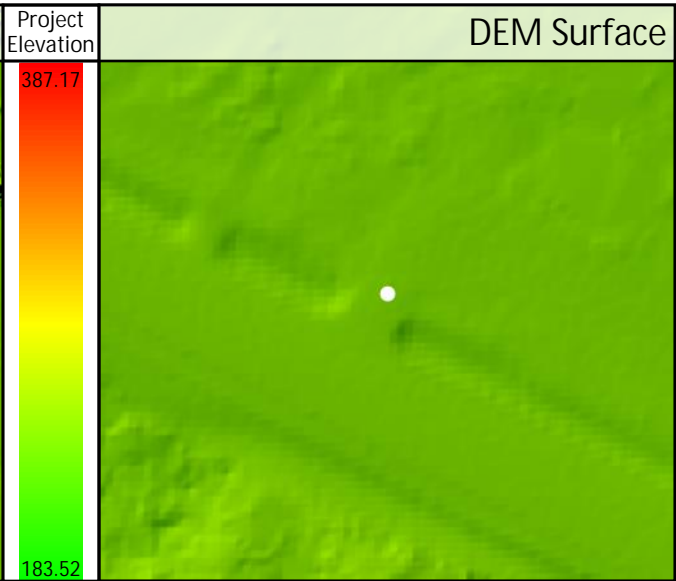
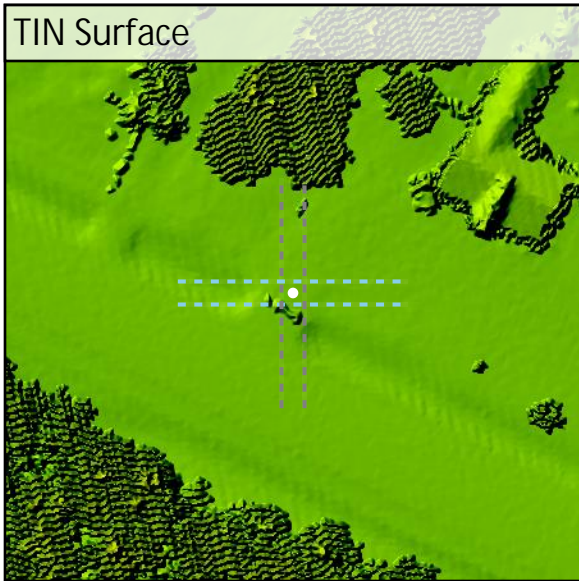
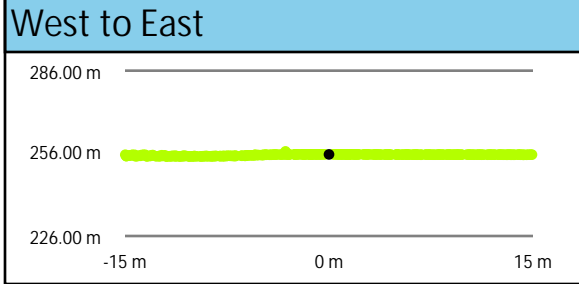
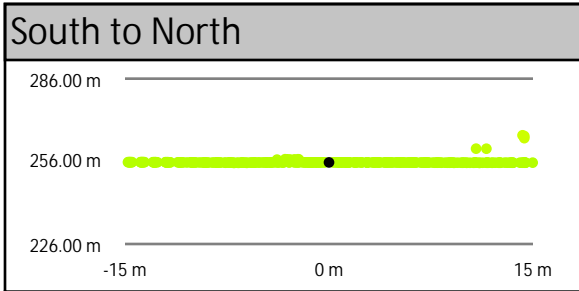
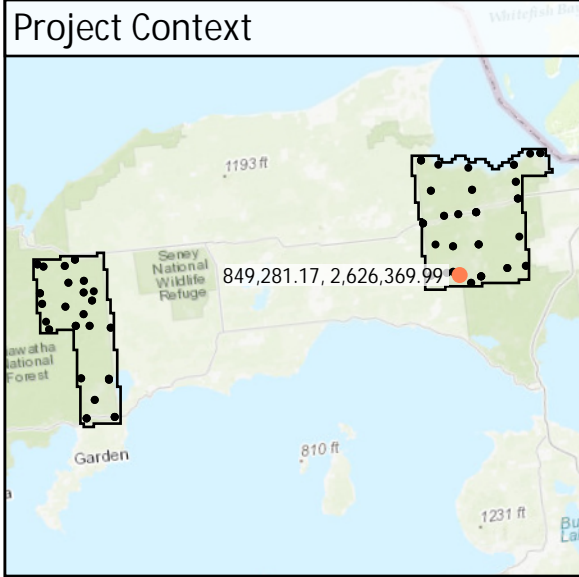


DEM Dz +0.02 m

NVA - UA07

All Points TIN Dz +0.03 m

UA08	Known Z	255.61 m	Point Density	3.01 ppsm
	DEM Dz	0.02 m	Ground Density	3.01 ppsm
	All Points TIN Dz	0.02 m	Slope	0.17 °

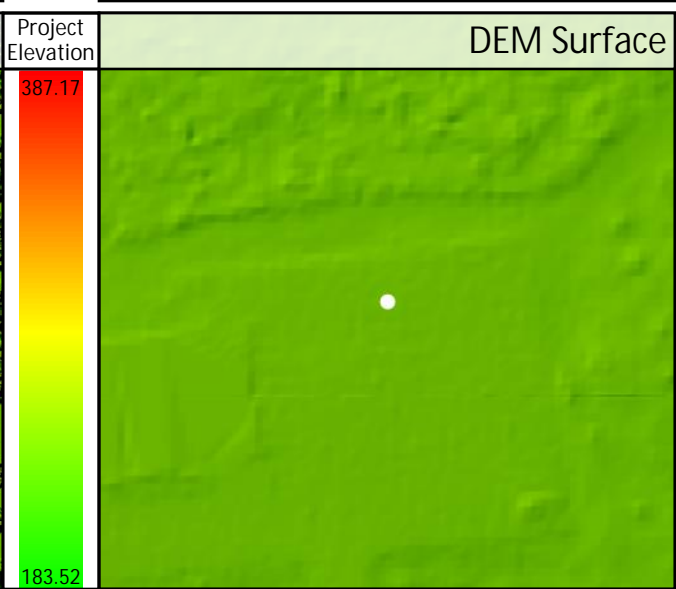
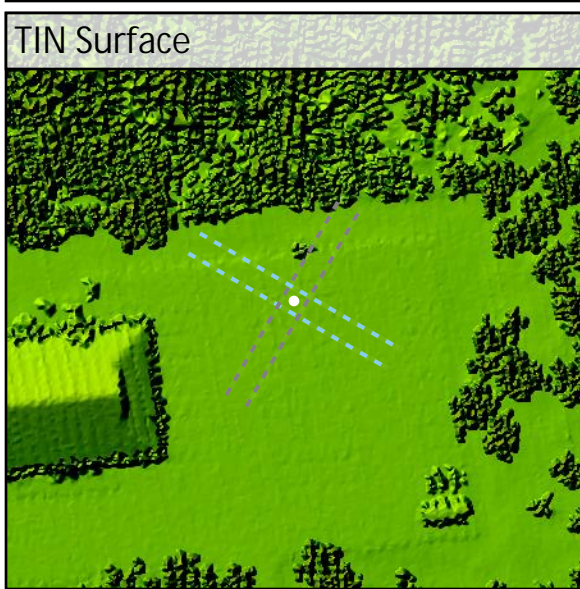
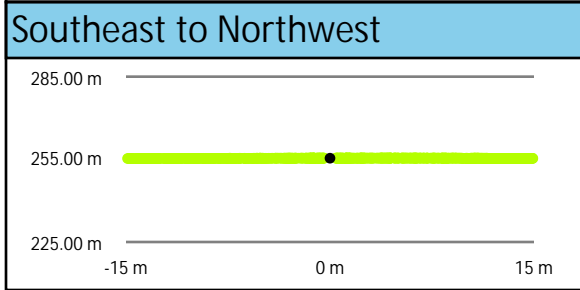
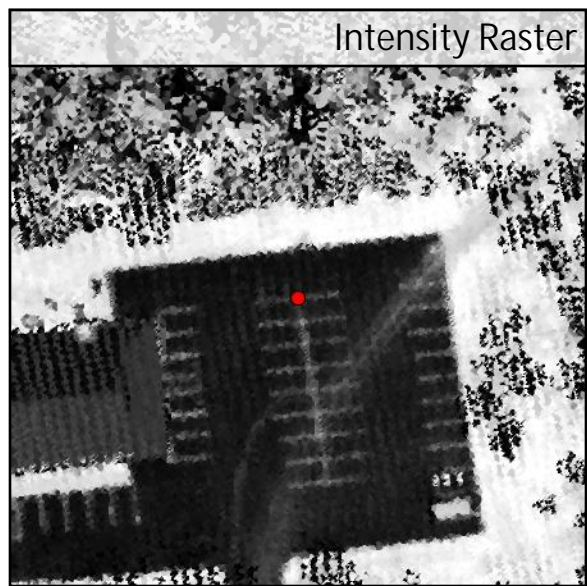
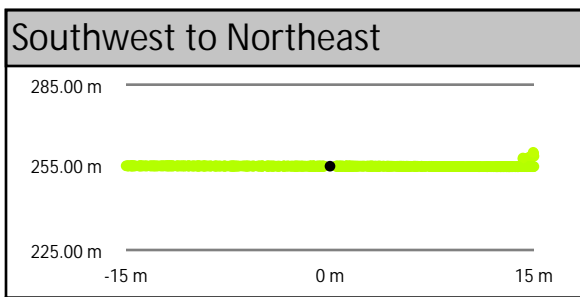
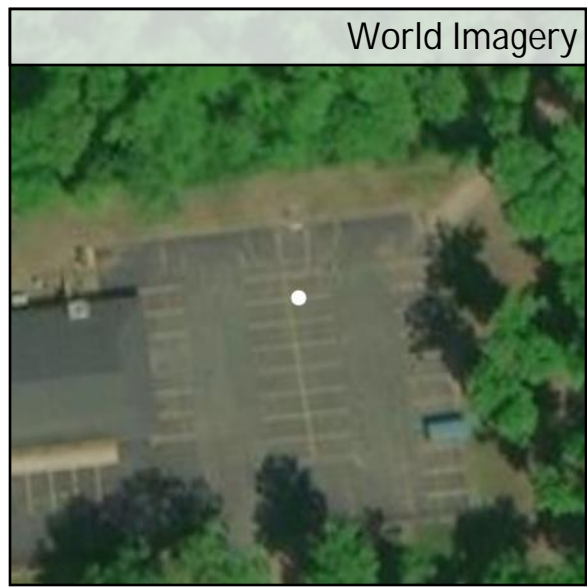
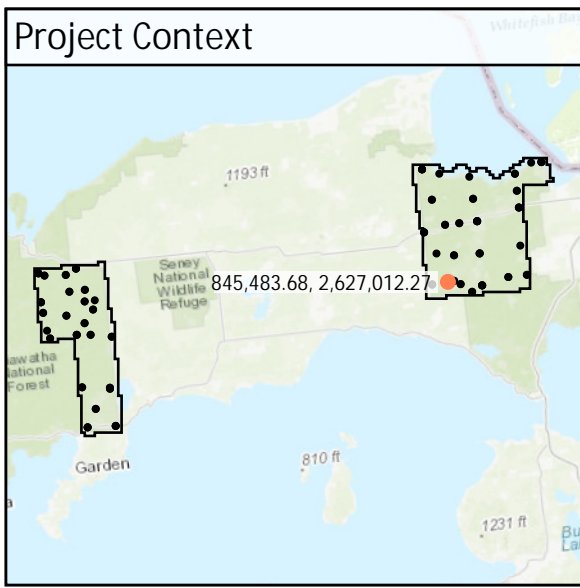


DEM Dz +0.02 m

NVA - UA08

All Points TIN Dz +0.02 m

UA09	Known Z	255.41 m	Point Density	6.37 ppsm
	DEM Dz	0.01 m	Ground Density	6.37 ppsm
	All Points TIN Dz	0.00 m	Slope	0.41 °

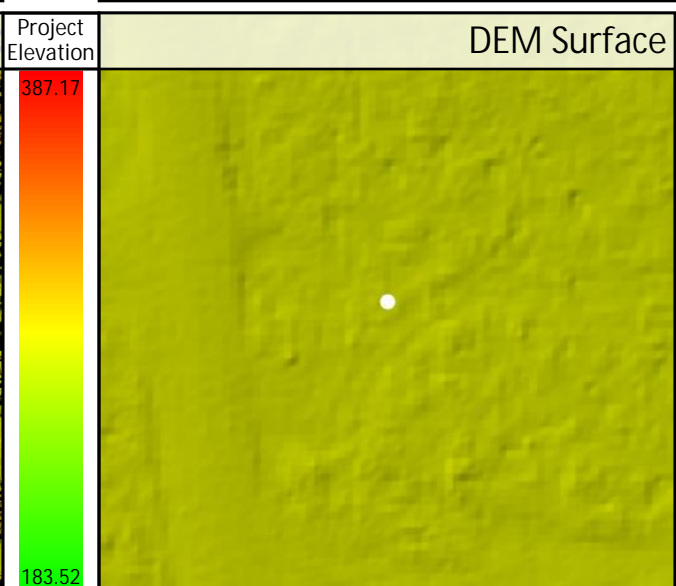
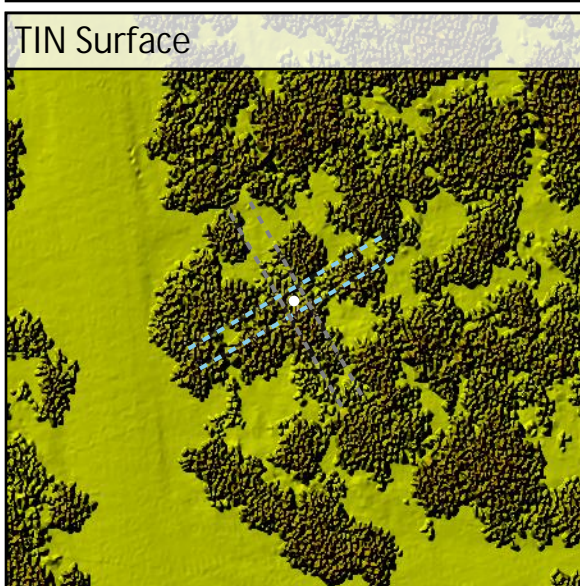
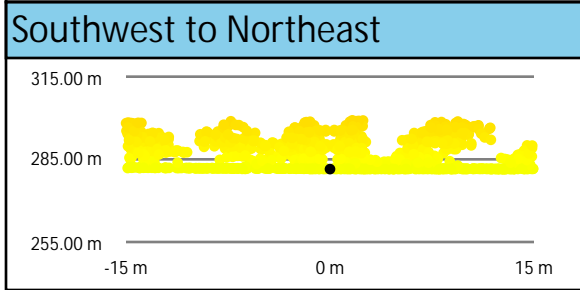
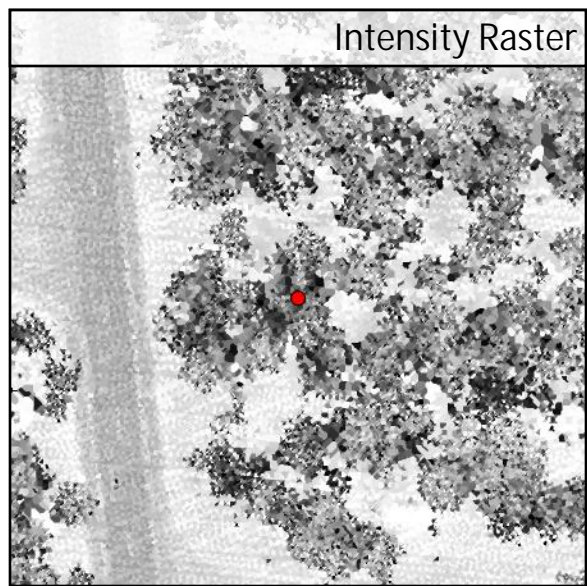
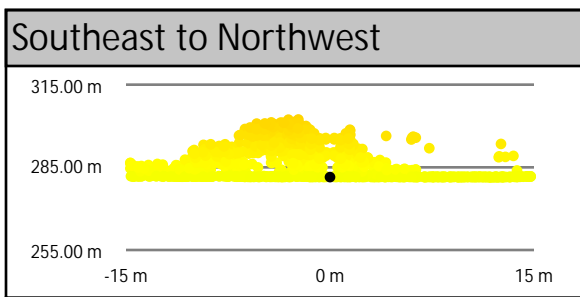
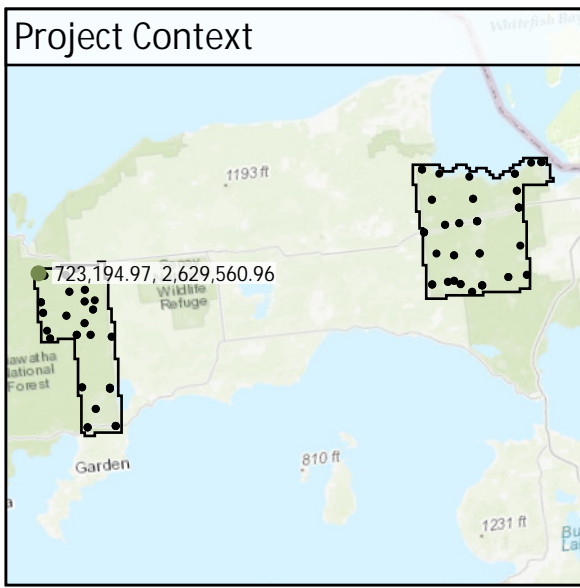


DEM Dz +0.01 m

NVA - UA09

All Points TIN Dz +0.00 m

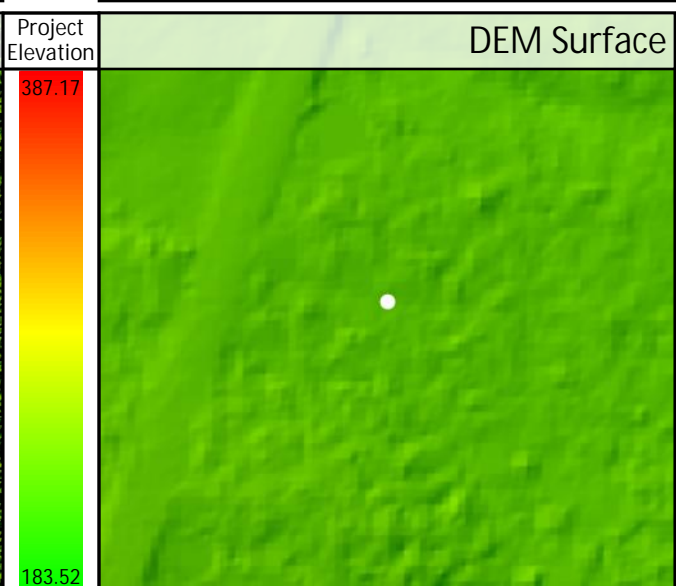
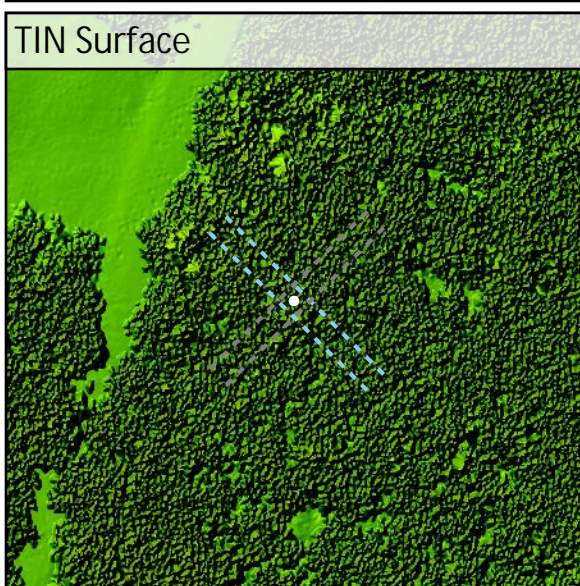
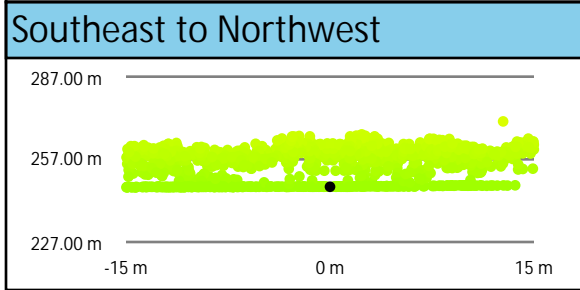
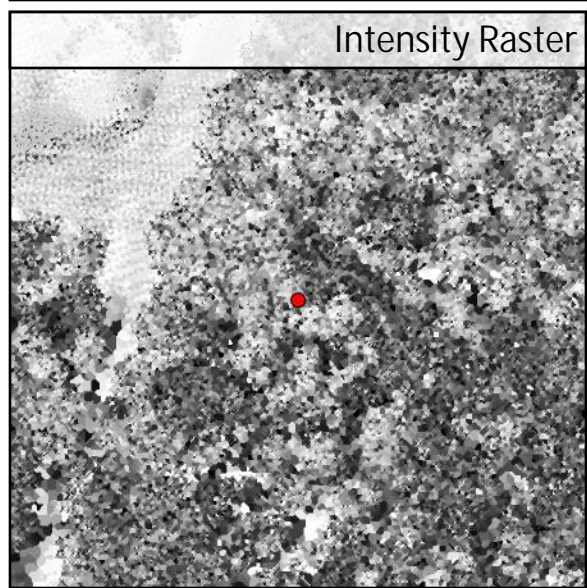
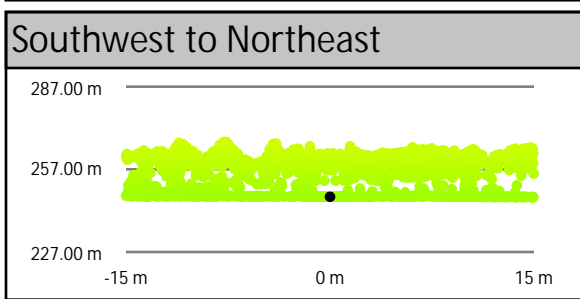
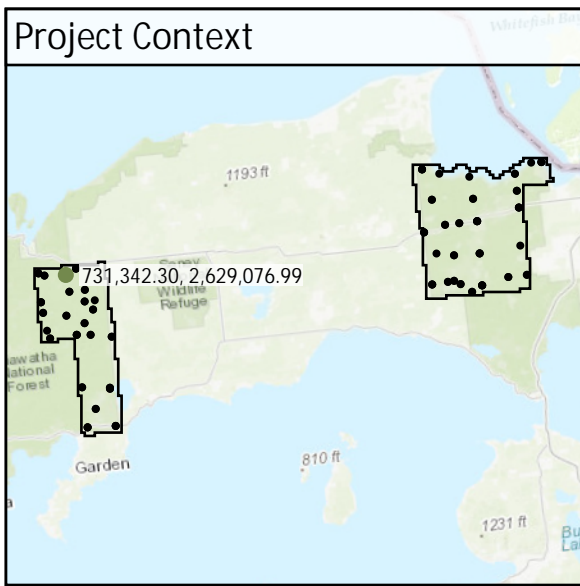
FO01	Known Z	281.45 m	Point Density	5.94 ppsm
	DEM Dz	0.12 m	Ground Density	14.78 ppsm
	All Points TIN Dz	N/A	Slope	1.47 °



DEM Dz +0.12 m

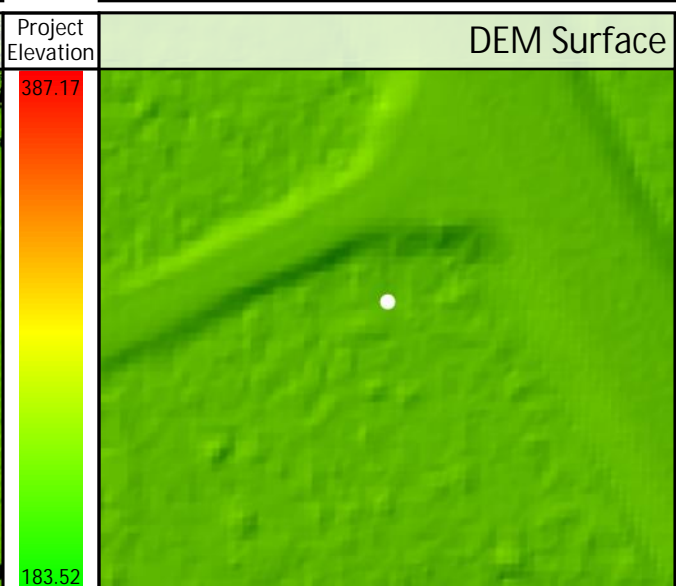
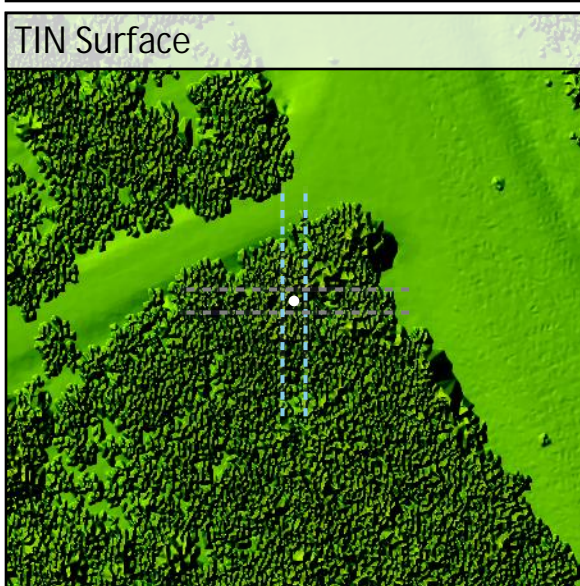
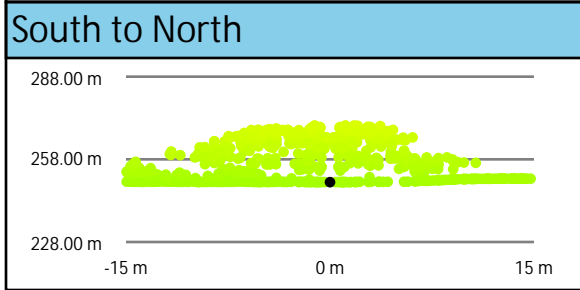
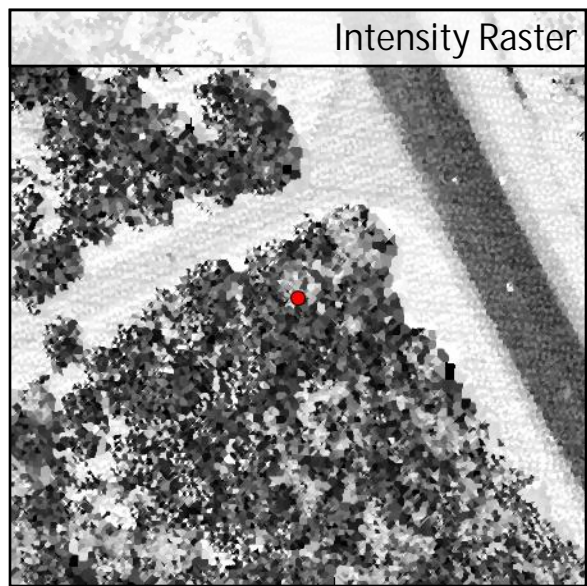
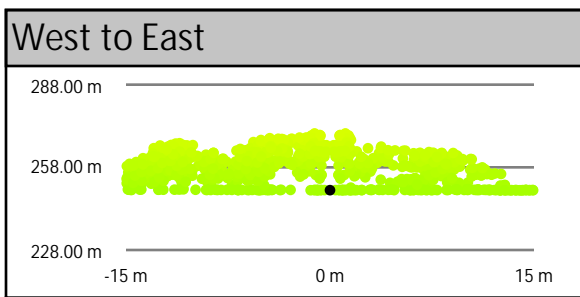
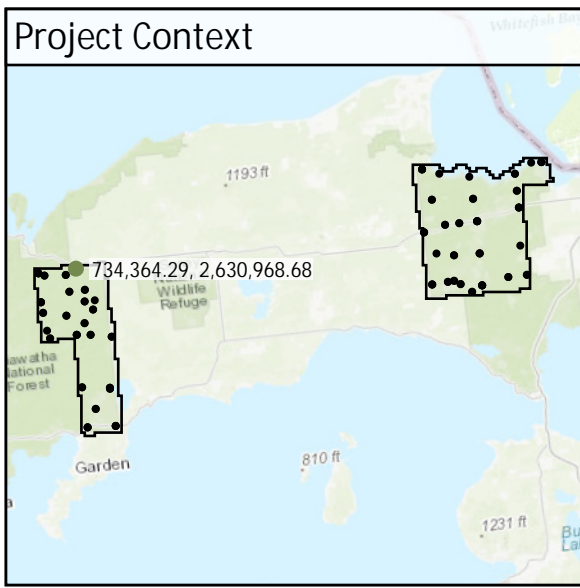
VVA - FO01

FO02	Known Z	247.04 m	Point Density	5.41 ppsm
	DEM Dz	0.07 m	Ground Density	12.66 ppsm
	All Points TIN Dz	N/A	Slope	1.99 °



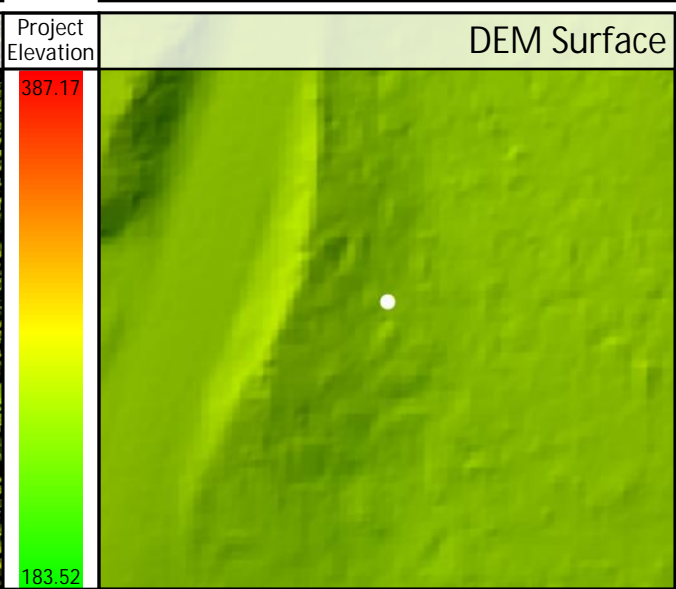
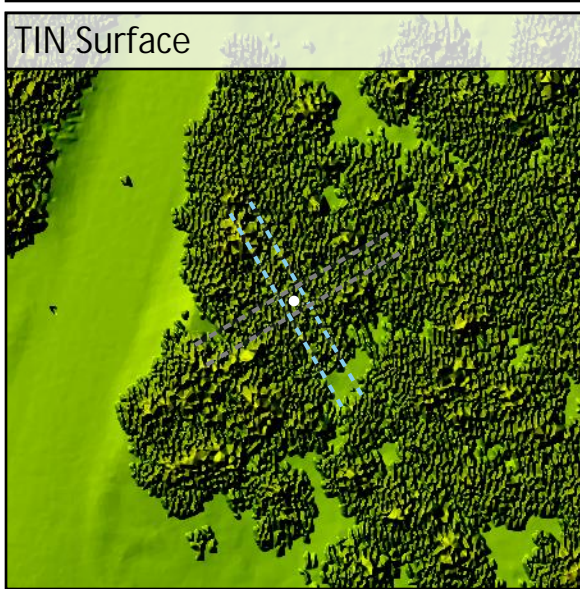
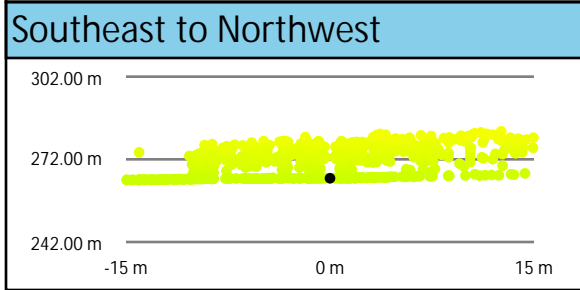
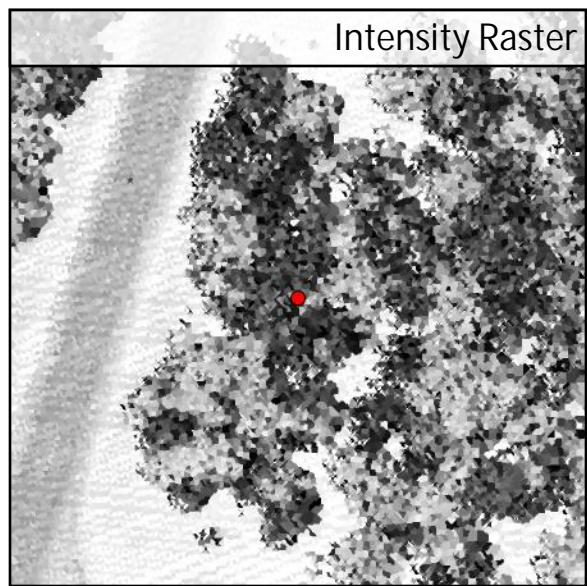
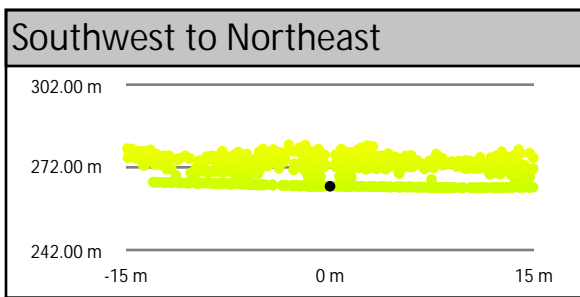
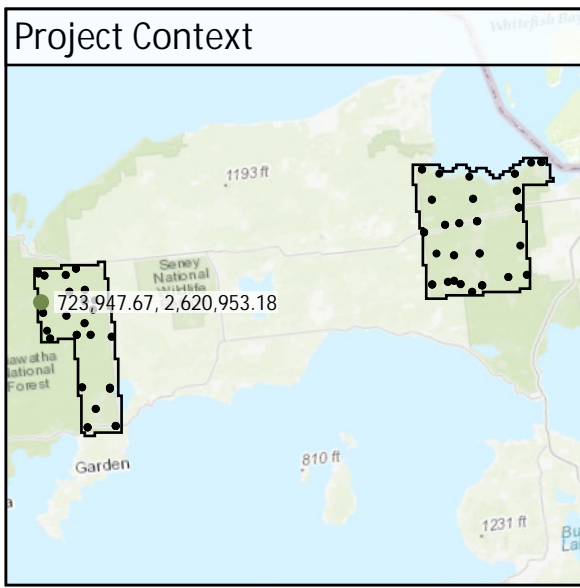
VVA - FO02
DEM Dz +0.07 m

FO03	Known Z	249.71 m	Point Density	2.65 ppsm
	DEM Dz	0.05 m	Ground Density	8.10 ppsm
	All Points TIN Dz	N/A	Slope	2.18 °



VVA - FO03
DEM Dz +0.05 m

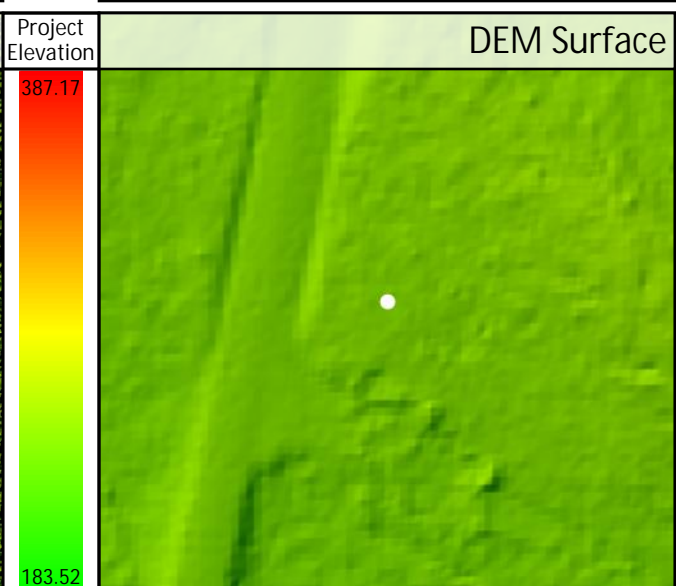
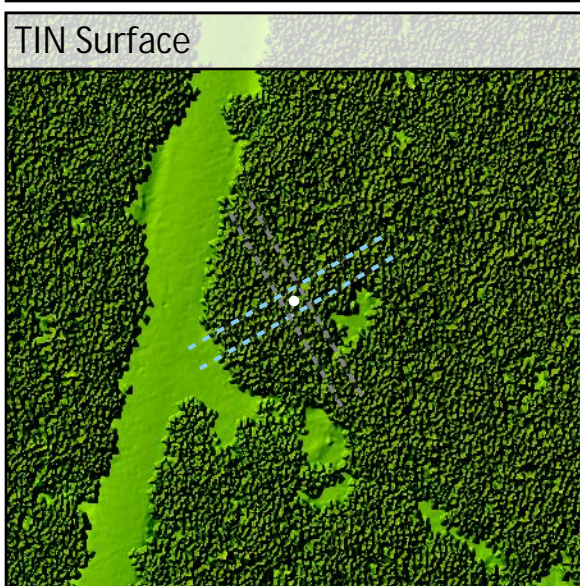
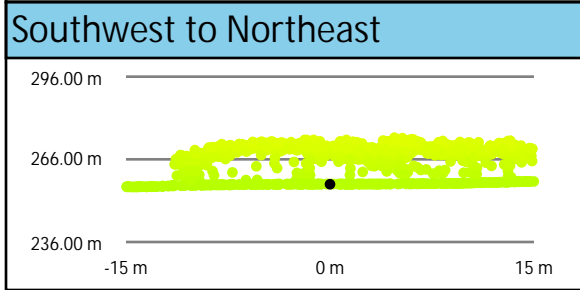
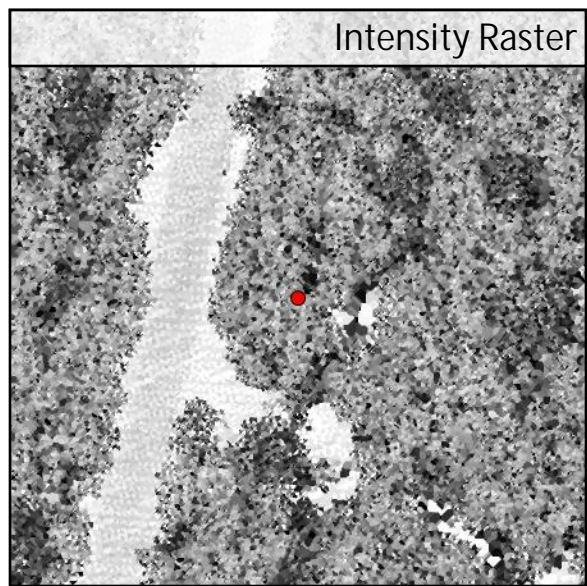
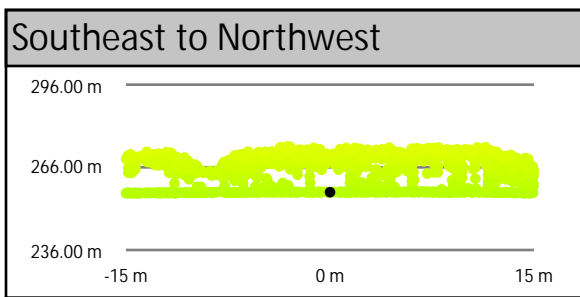
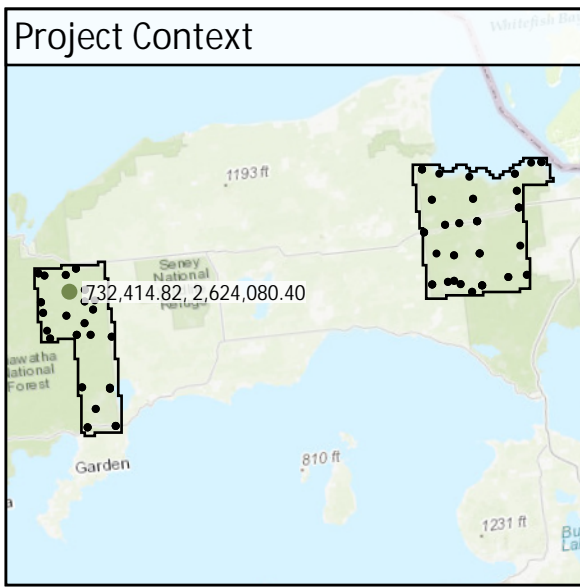
FO04	Known Z	265.13 m	Point Density	2.48 ppsm
	DEM Dz	0.06 m	Ground Density	7.99 ppsm
	All Points TIN Dz	N/A	Slope	5.58 °



DEM Dz +0.06 m

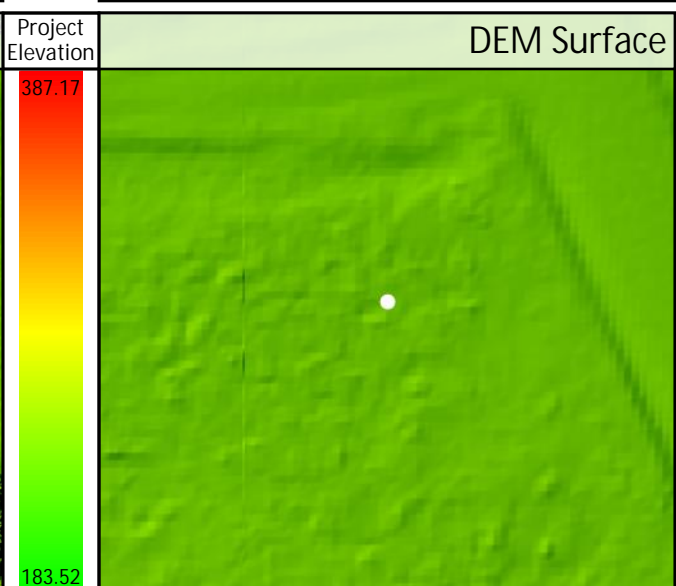
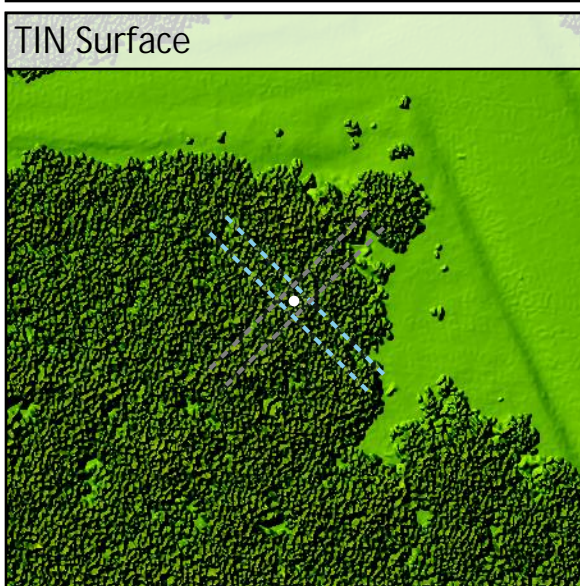
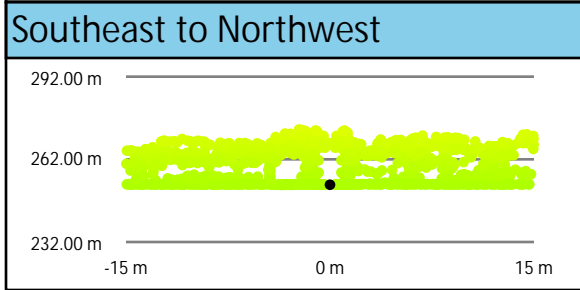
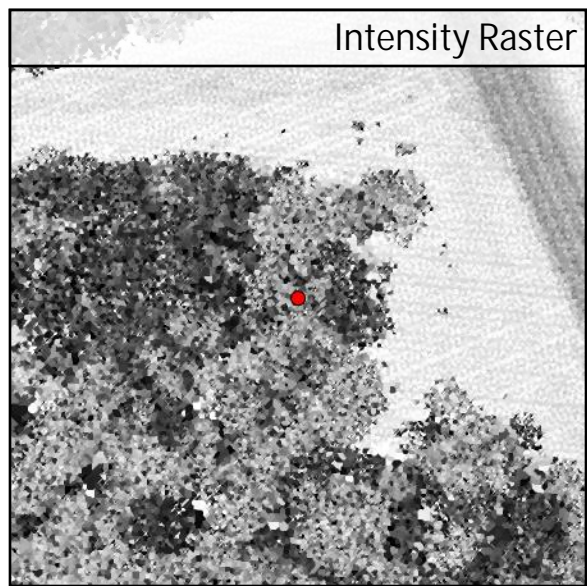
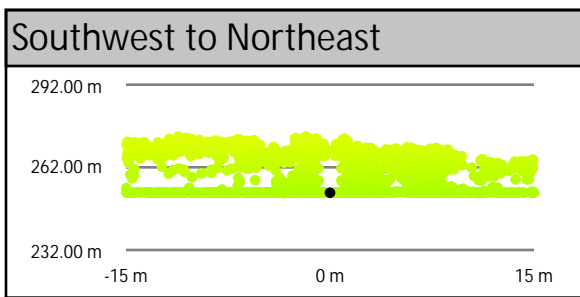
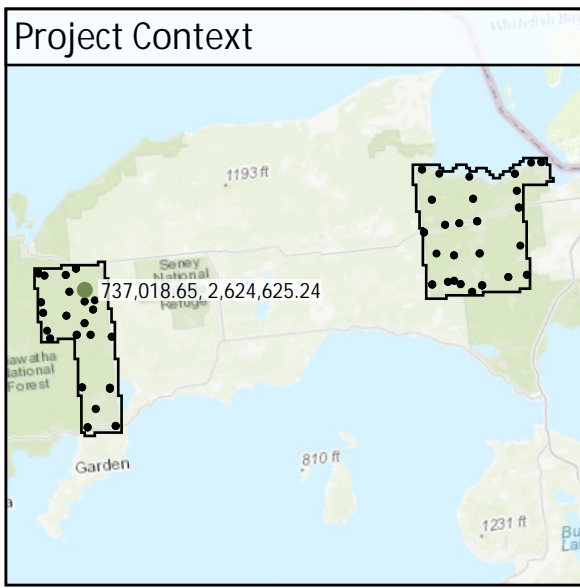
VVA - FO04

FO05	Known Z	256.97 m	Point Density	4.92 ppsm
	DEM Dz	0.05 m	Ground Density	10.47 ppsm
	All Points TIN Dz	N/A	Slope	1.18 °



VVA - FO05
DEM Dz +0.05 m

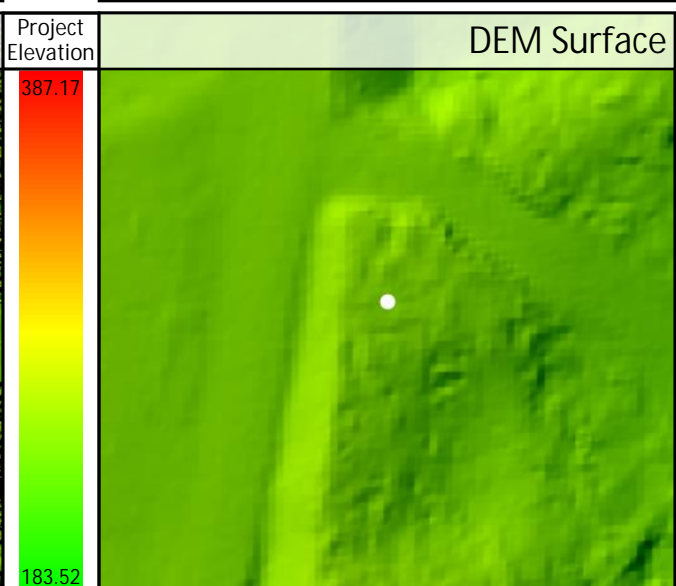
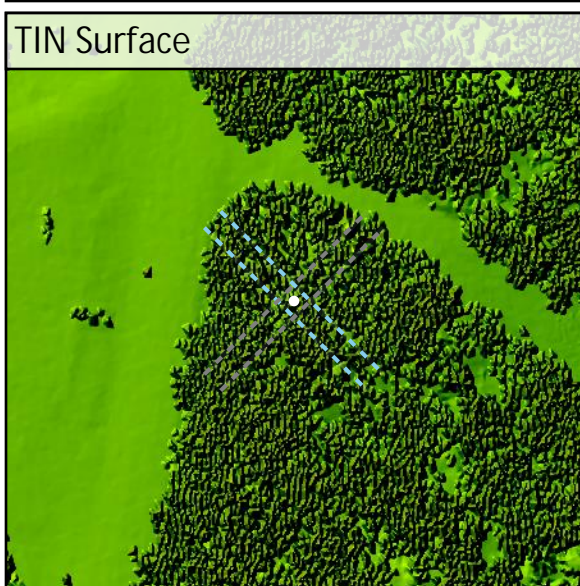
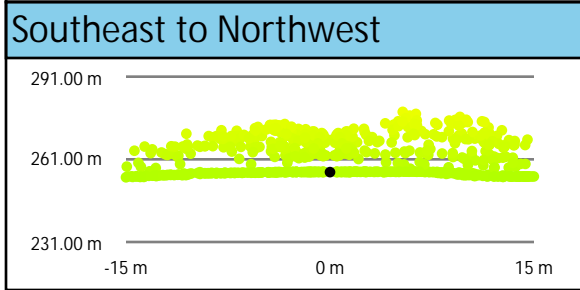
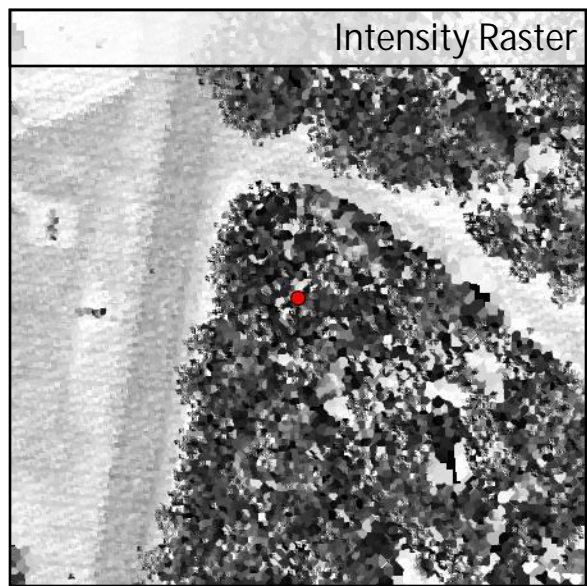
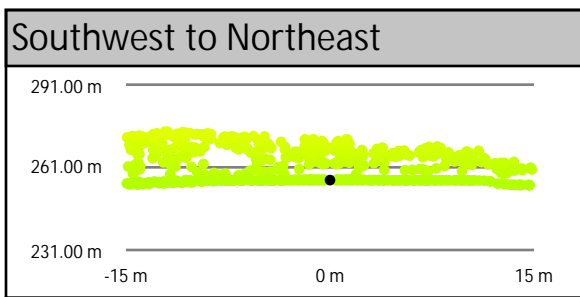
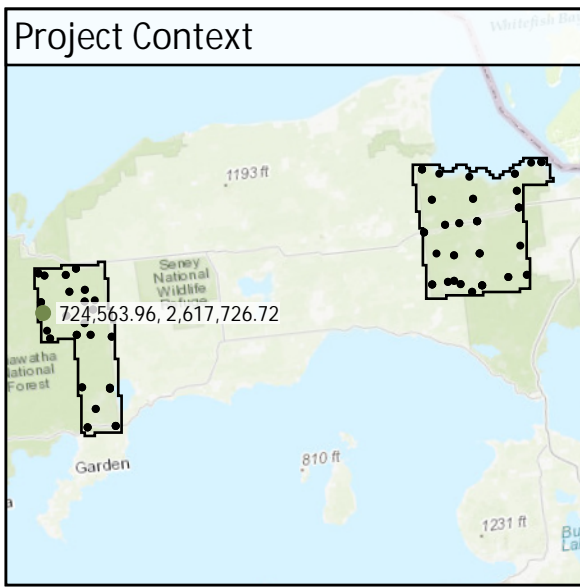
FO06	Known Z	252.78 m	Point Density	6.19 ppsm
	DEM Dz	0.07 m	Ground Density	14.36 ppsm
	All Points TIN Dz	N/A	Slope	1.13 °



DEM Dz +0.07 m

VVA - FO06

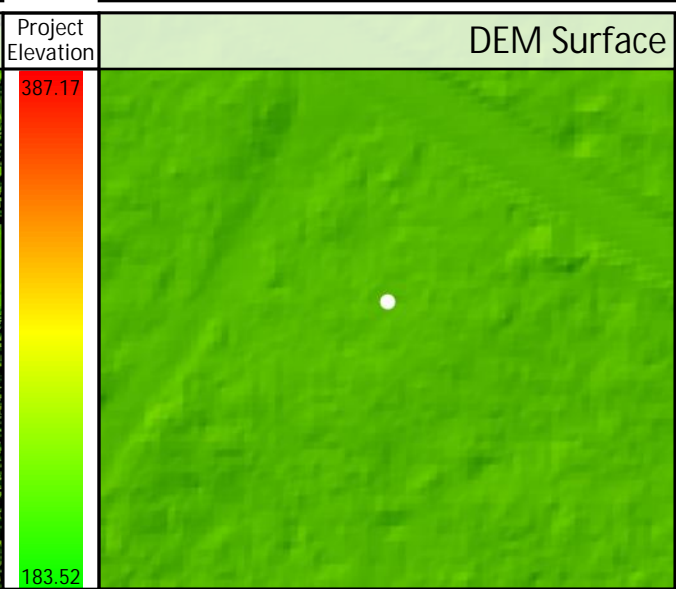
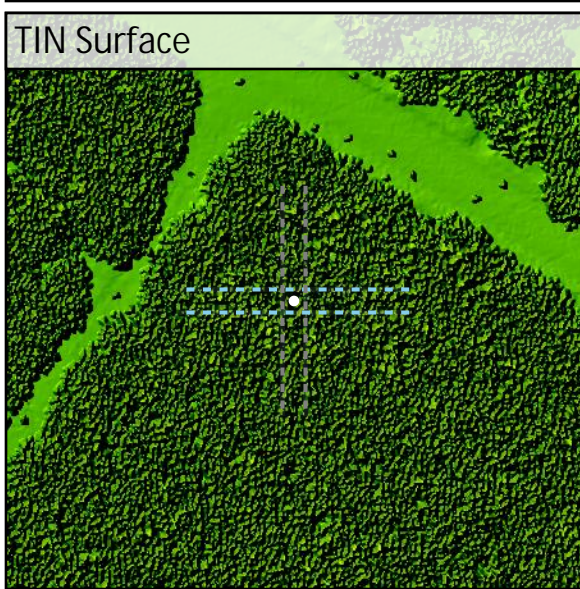
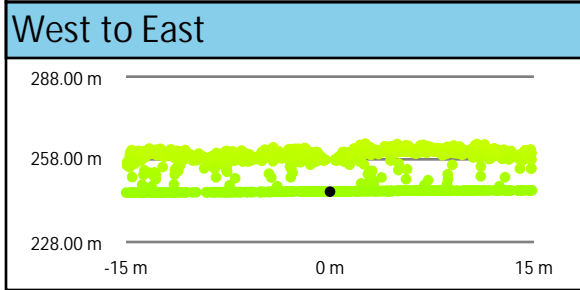
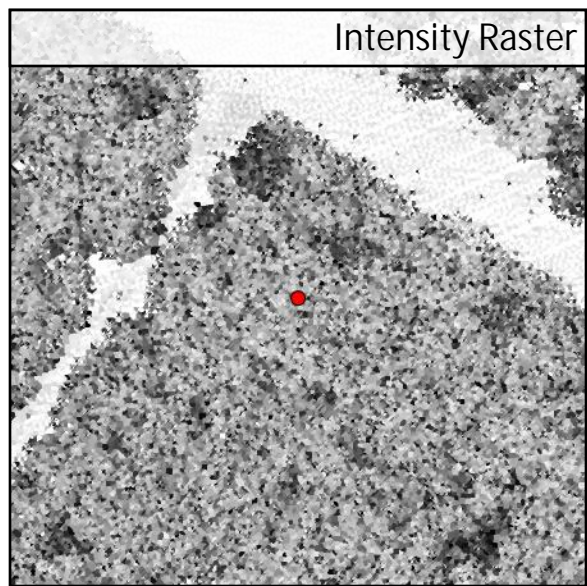
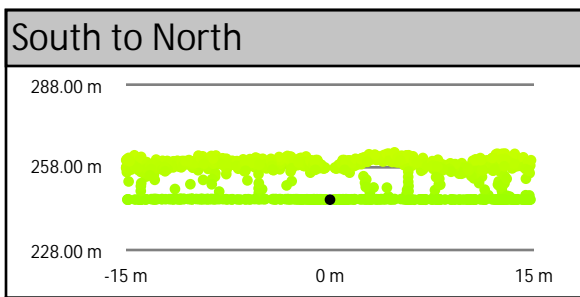
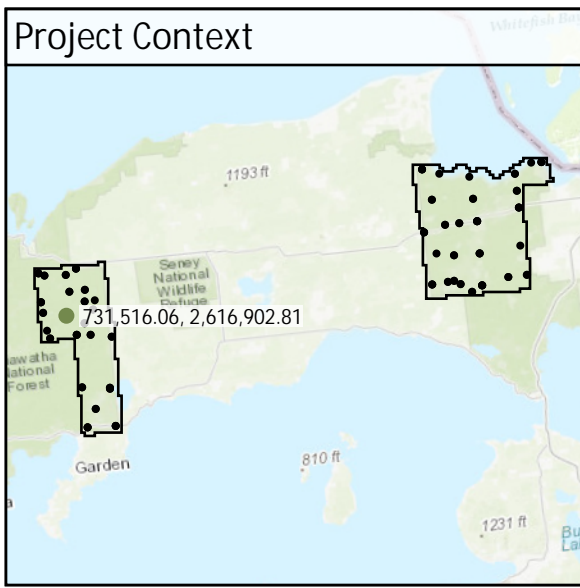
FO07	Known Z	256.36 m	Point Density	2.69 ppsm
	DEM Dz	0.07 m	Ground Density	5.76 ppsm
	All Points TIN Dz	N/A	Slope	1.27 °



DEM Dz +0.07 m

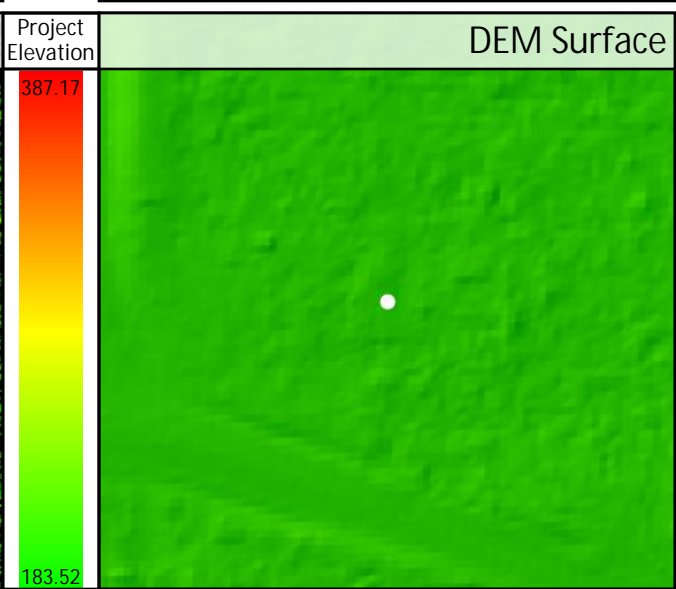
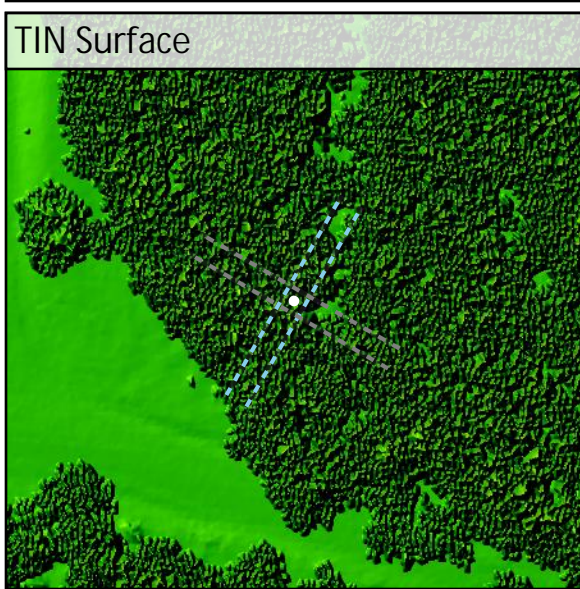
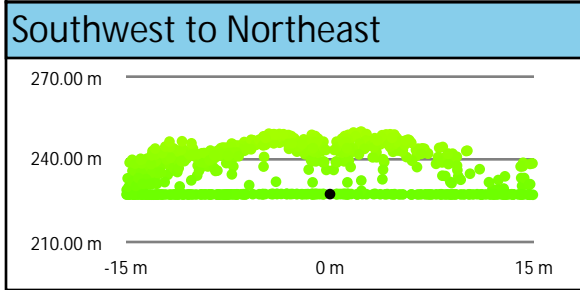
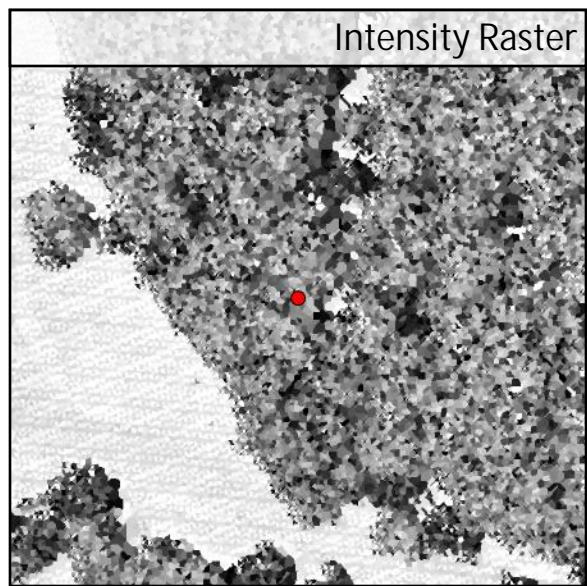
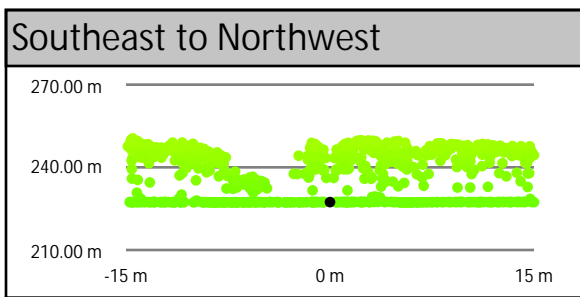
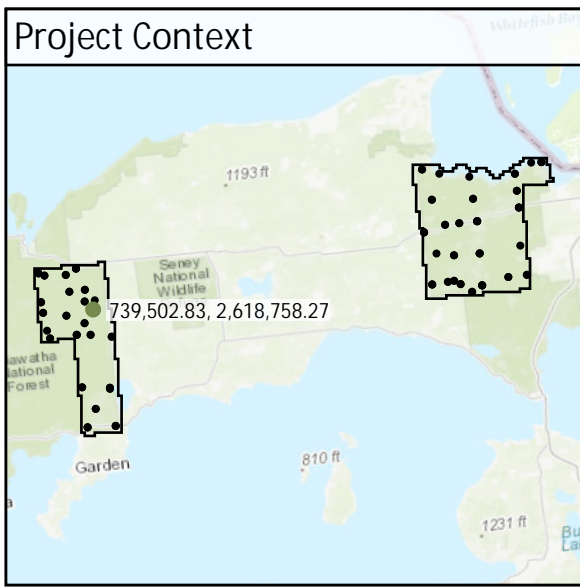
VVA - FO07

FO08	Known Z	246.26 m	Point Density	5.06 ppsm
	DEM Dz	0.11 m	Ground Density	10.04 ppsm
	All Points TIN Dz	N/A	Slope	1.13 °



VVA - FO08
DEM Dz +0.11 m

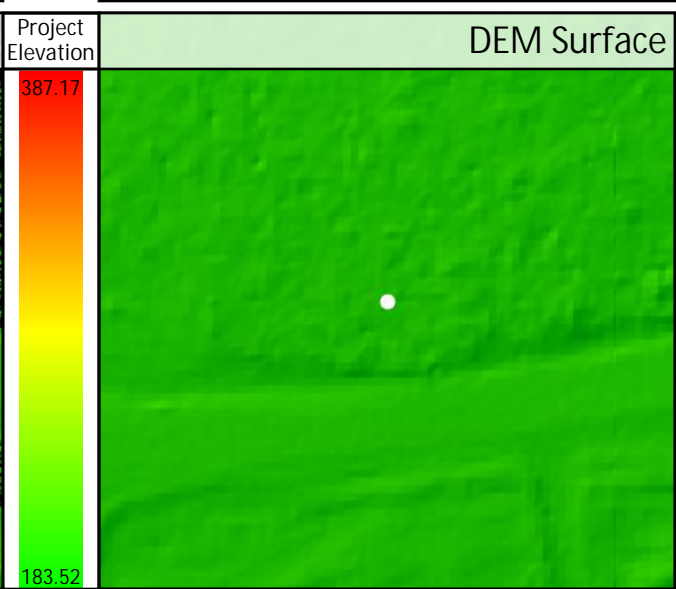
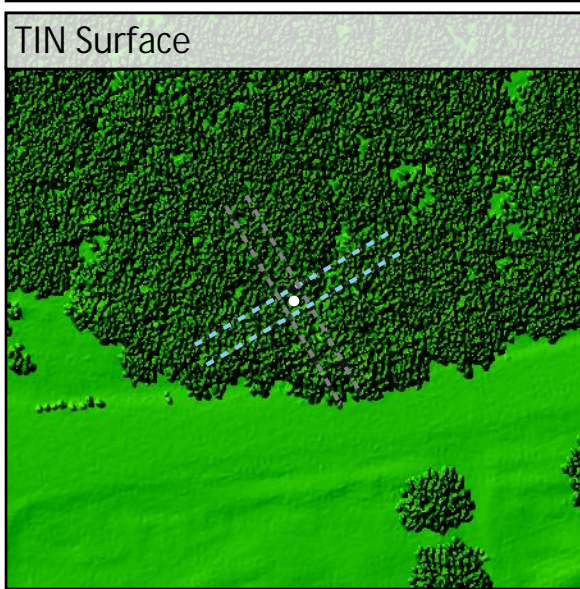
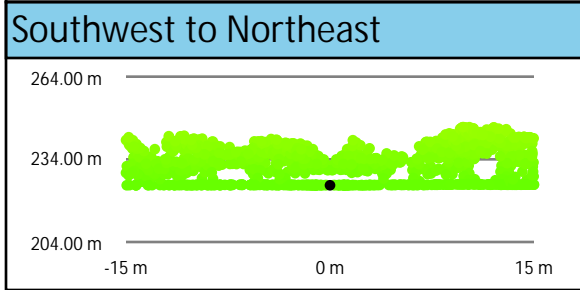
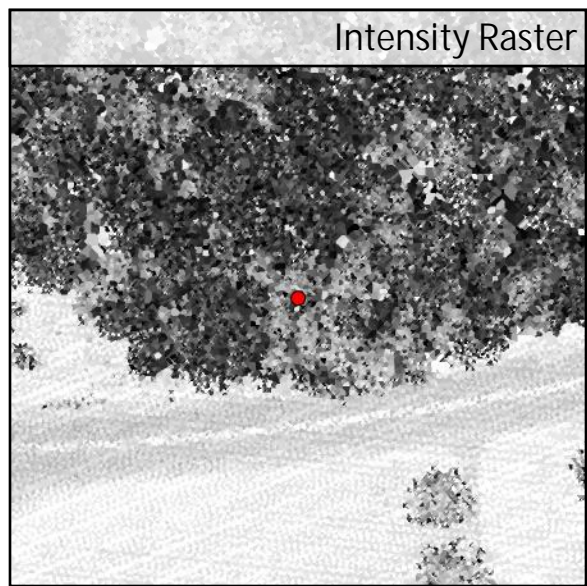
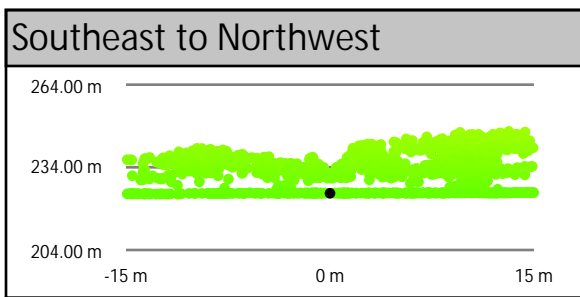
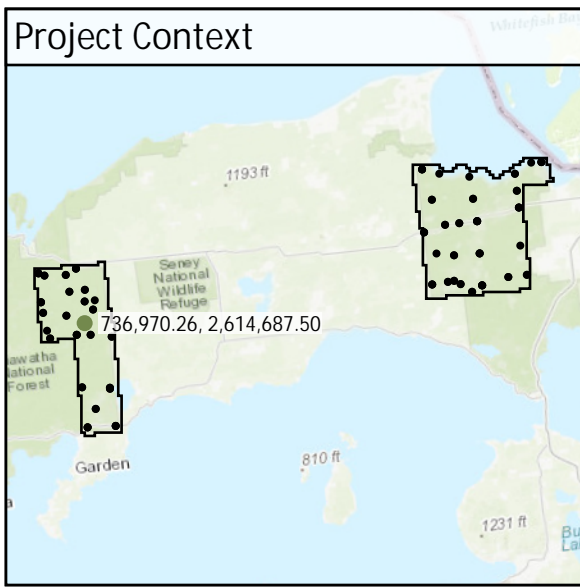
FO09	Known Z	227.38 m	Point Density	2.05 ppsm
	DEM Dz	0.00 m	Ground Density	6.12 ppsm
	All Points TIN Dz	N/A	Slope	1.80 °



DEM Dz 0.00 m

VVA - FO09

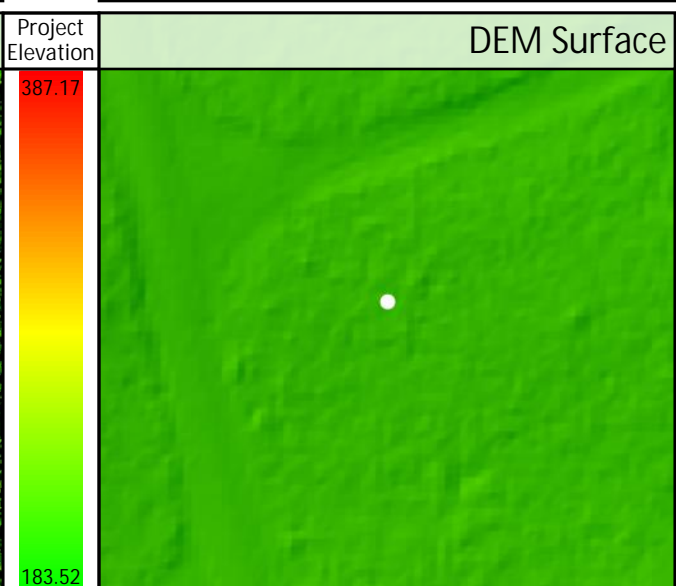
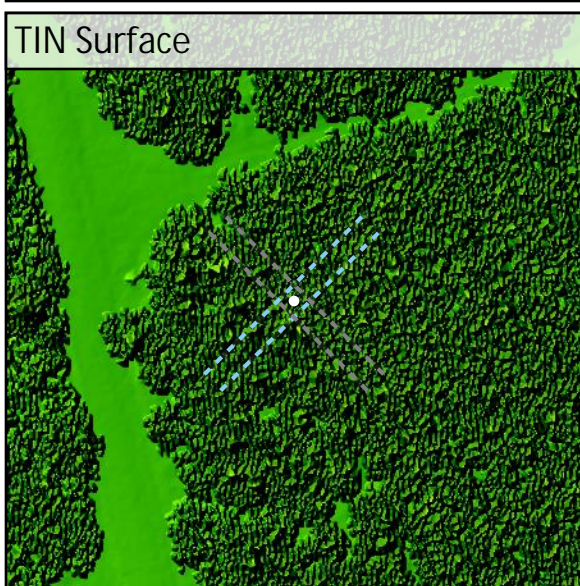
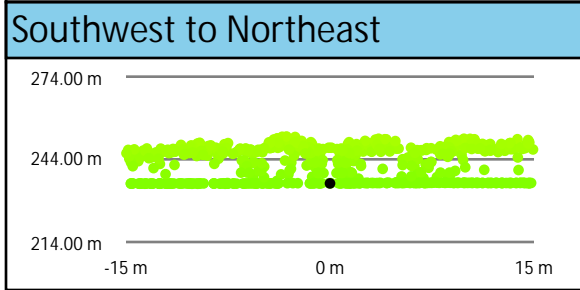
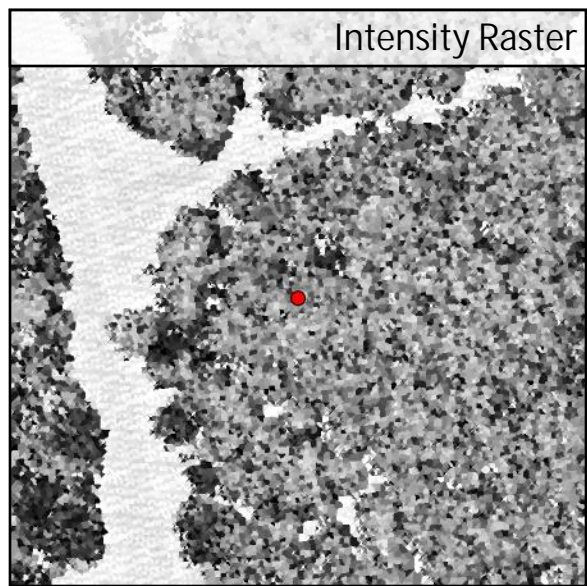
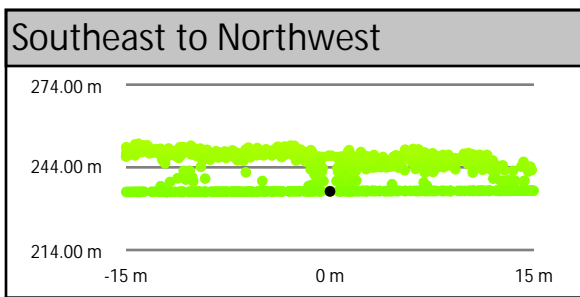
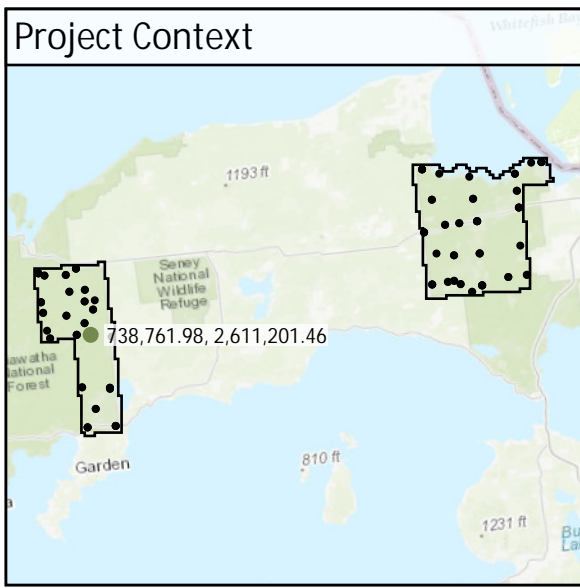
FO10	Known Z	224.58 m	Point Density	5.48 ppsm
	DEM Dz	0.07 m	Ground Density	11.32 ppsm
	All Points TIN Dz	N/A	Slope	0.83 °



DEM Dz +0.07 m

VVA - FO10

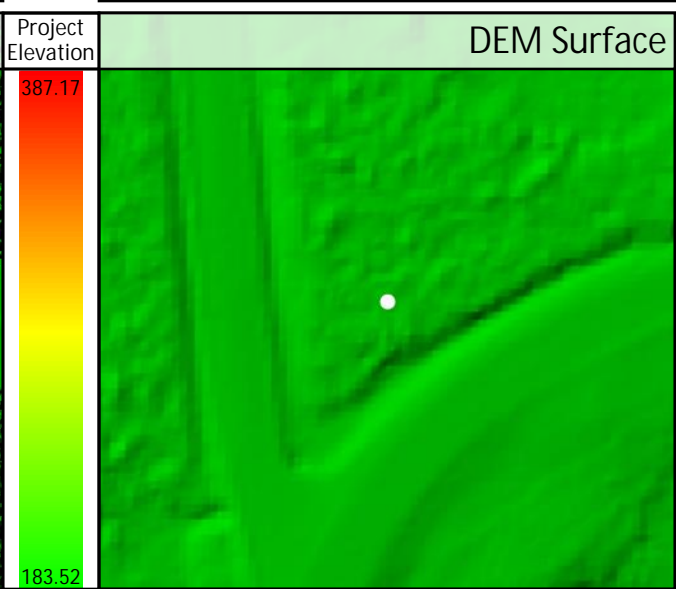
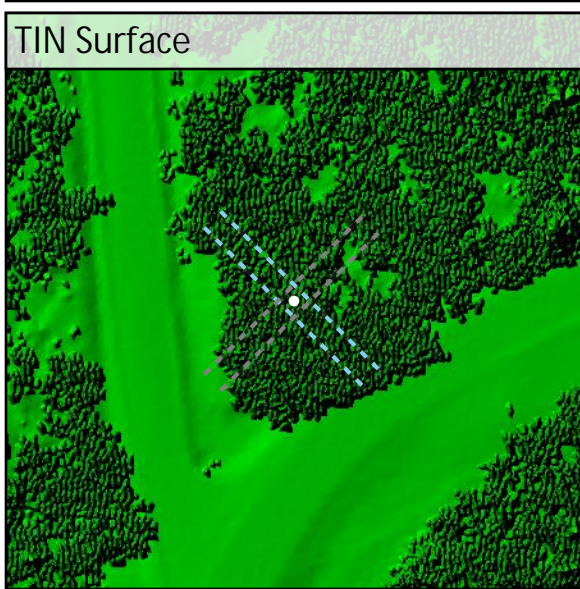
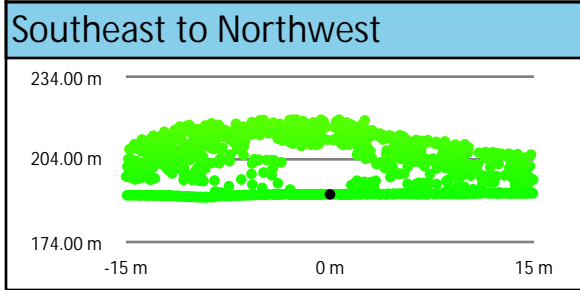
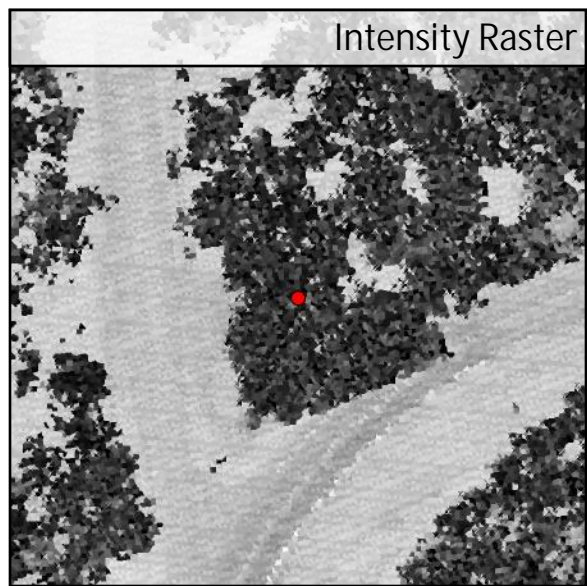
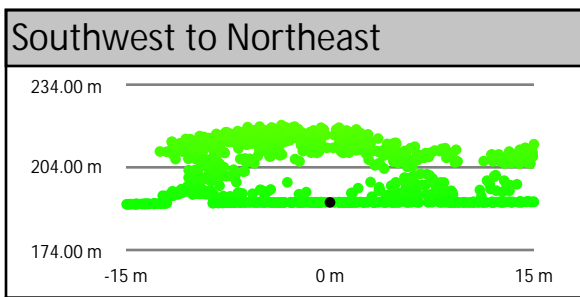
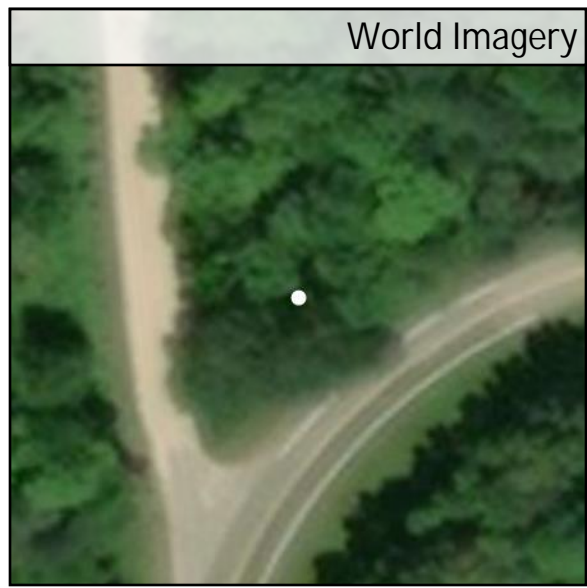
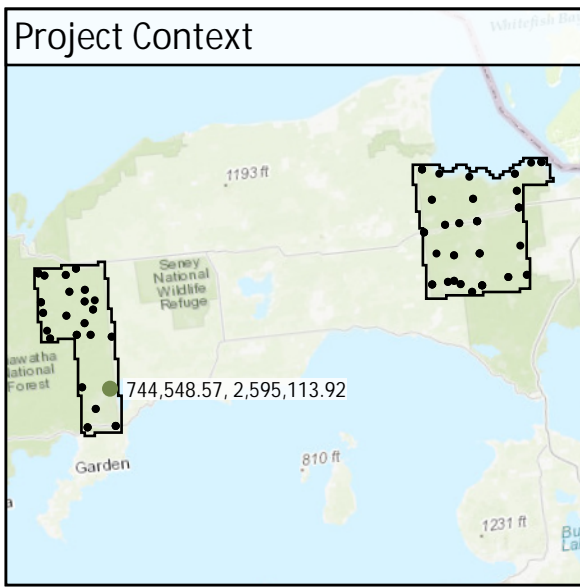
FO11	Known Z	235.27 m	Point Density	2.83 ppsm
	DEM Dz	0.08 m	Ground Density	6.86 ppsm
	All Points TIN Dz	N/A	Slope	1.41 °



DEM Dz +0.08 m

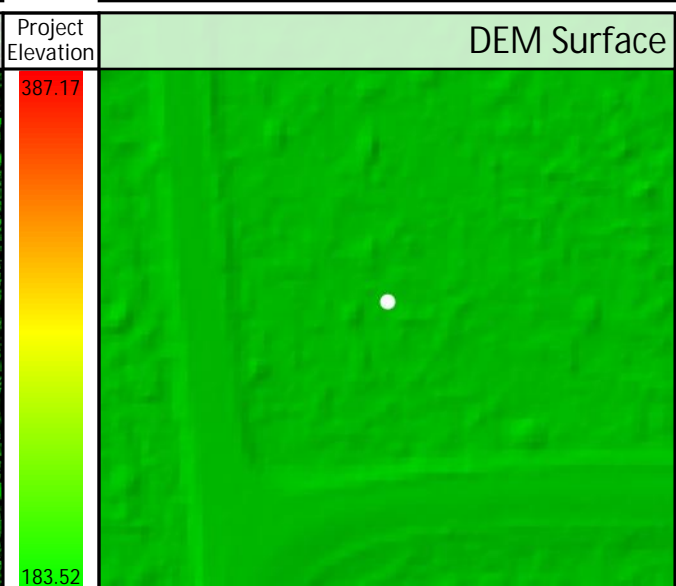
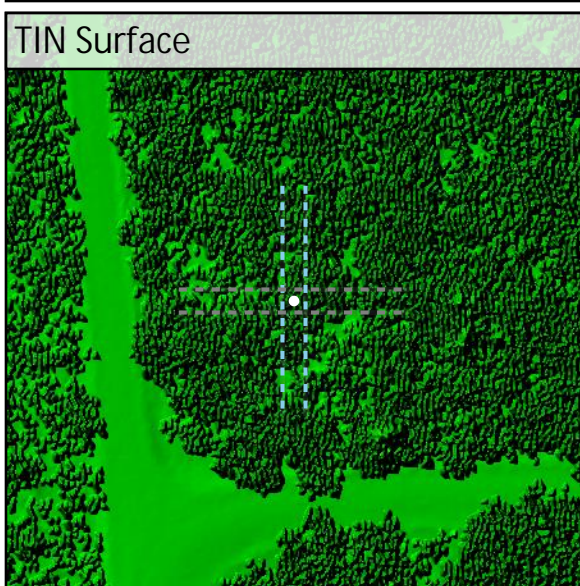
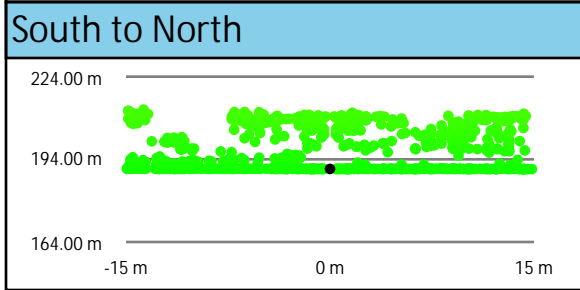
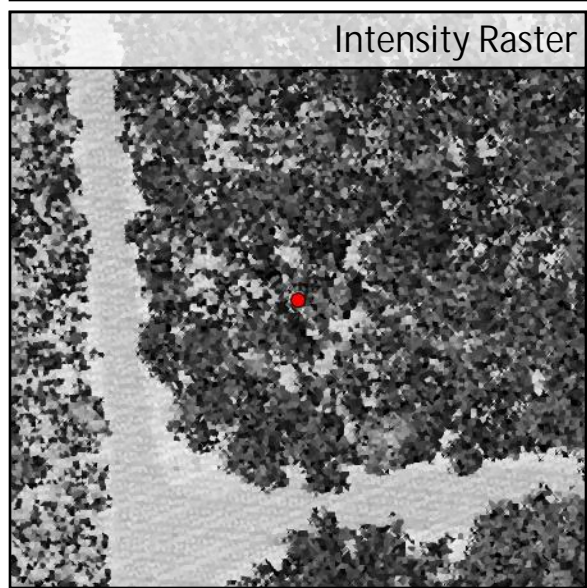
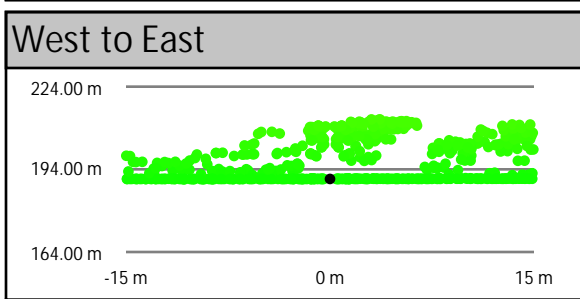
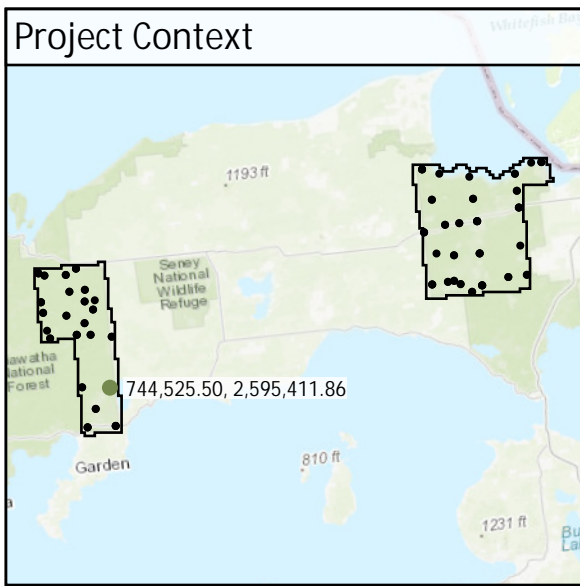
VVA - FO11

F012	Known Z	191.27 m	Point Density	2.94 ppsm
	DEM Dz	0.05 m	Ground Density	9.16 ppsm
	All Points TIN Dz	N/A	Slope	2.10 °



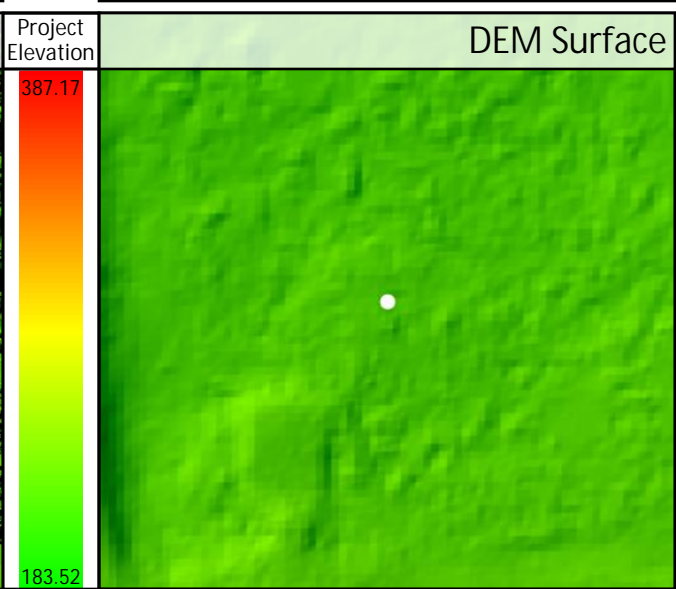
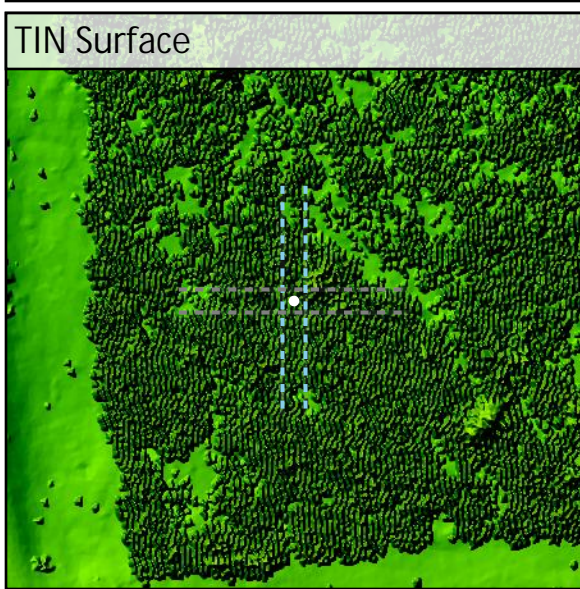
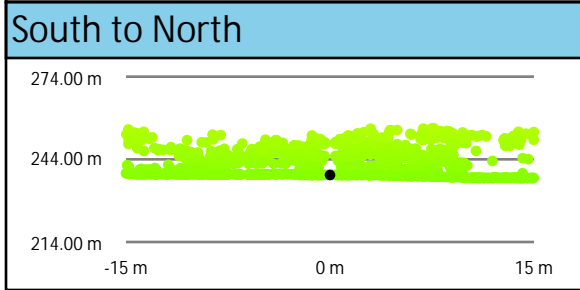
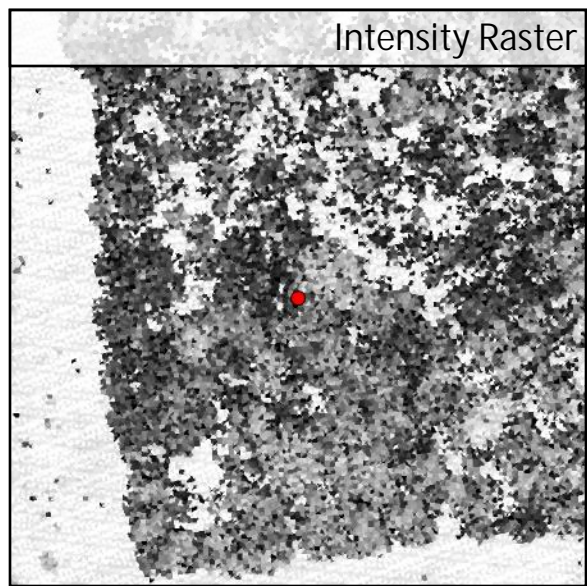
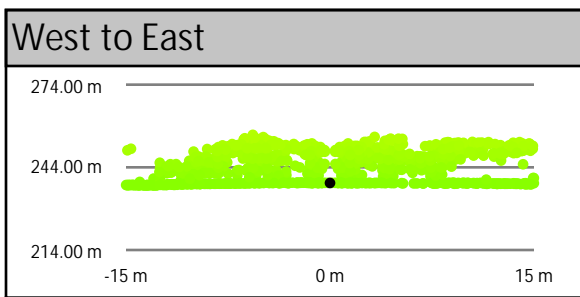
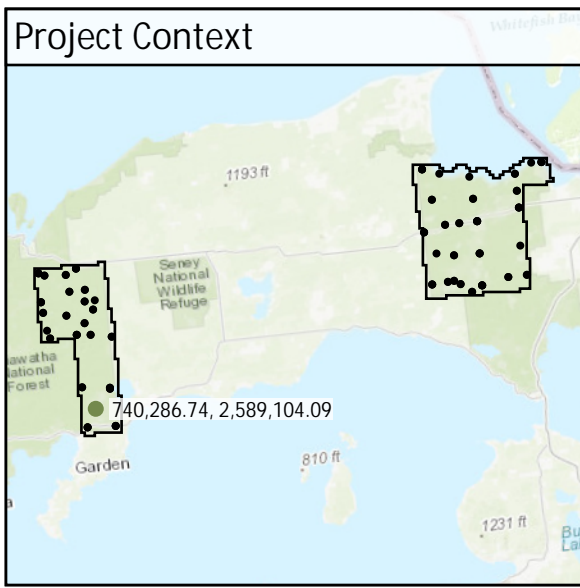
VVA - F012
DEM Dz +0.05 m

F013	Known Z	190.51 m	Point Density	3.25 ppsm
	DEM Dz	0.01 m	Ground Density	7.75 ppsm
	All Points TIN Dz	N/A	Slope	0.99 °



VVA - F013
DEM Dz +0.01 m

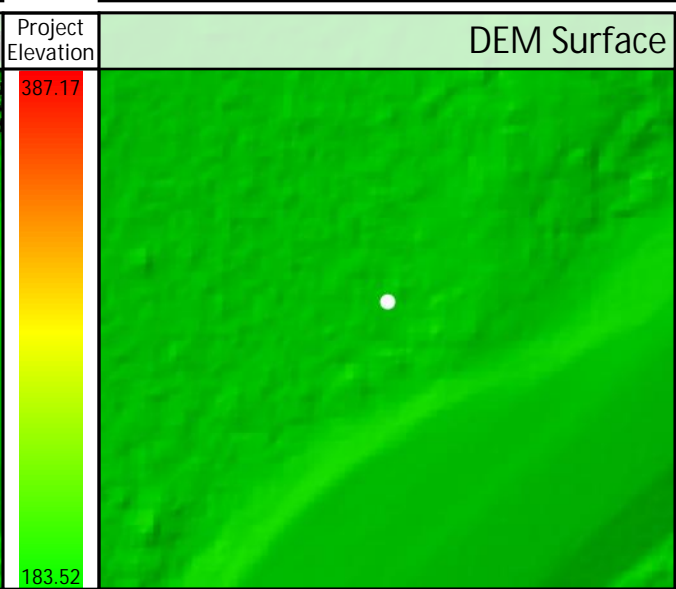
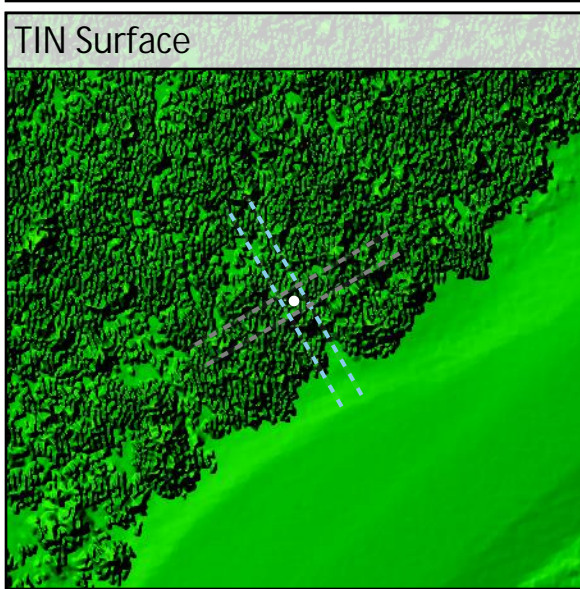
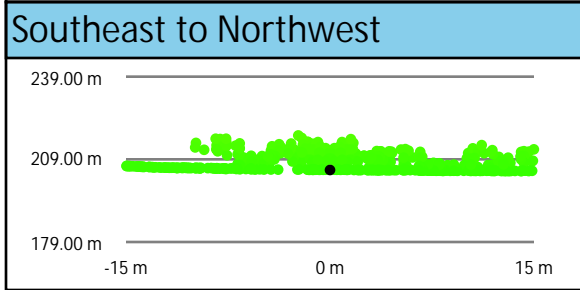
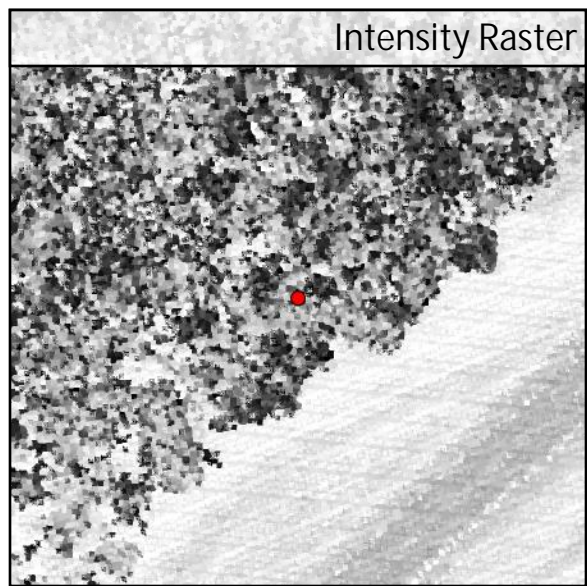
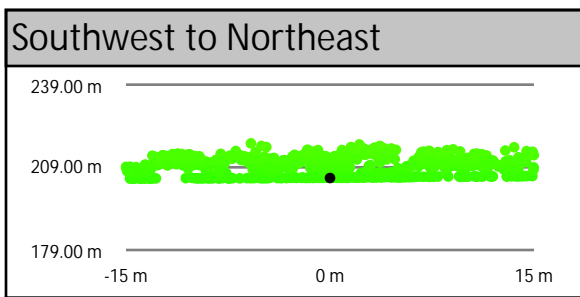
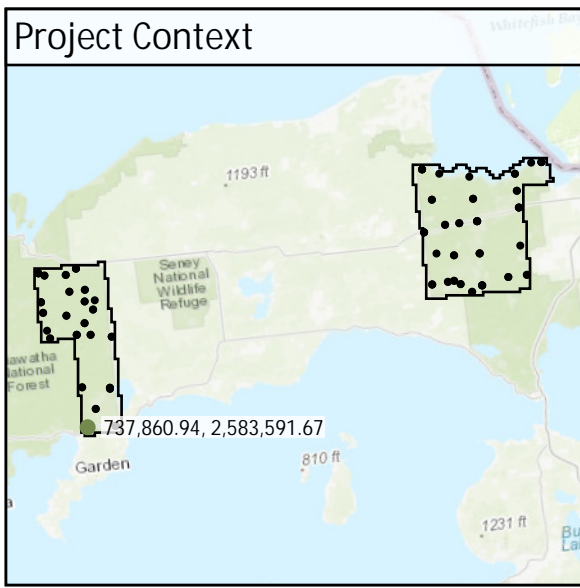
FO14	Known Z	238.32 m	Point Density	3.40 ppsm
	DEM Dz	0.03 m	Ground Density	9.41 ppsm
	All Points TIN Dz	N/A	Slope	3.75 °



DEM Dz +0.03 m

VVA - FO14

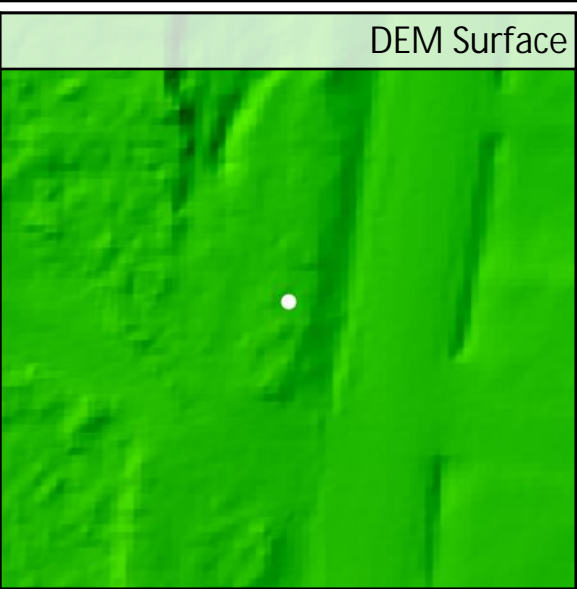
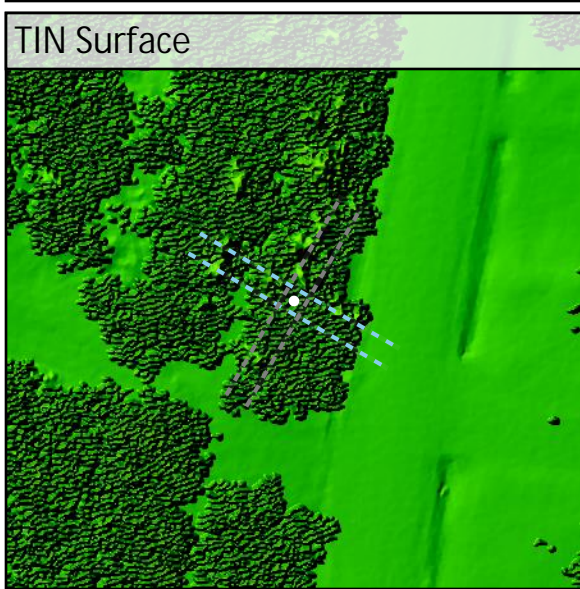
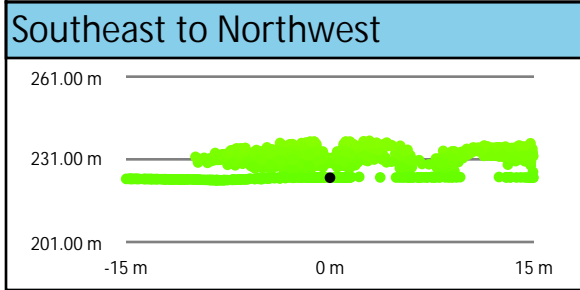
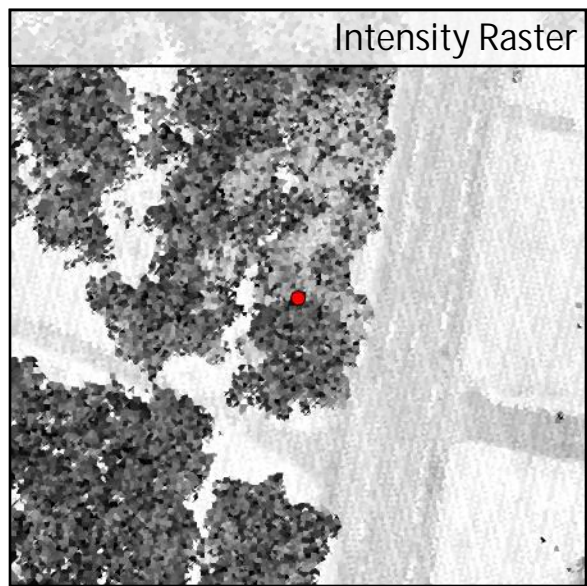
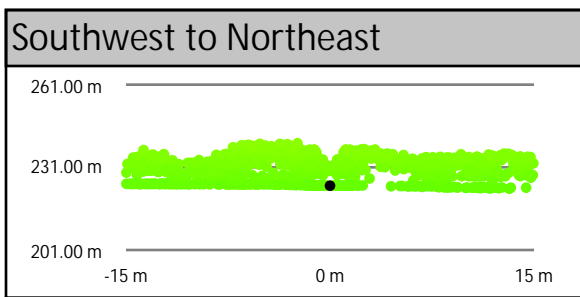
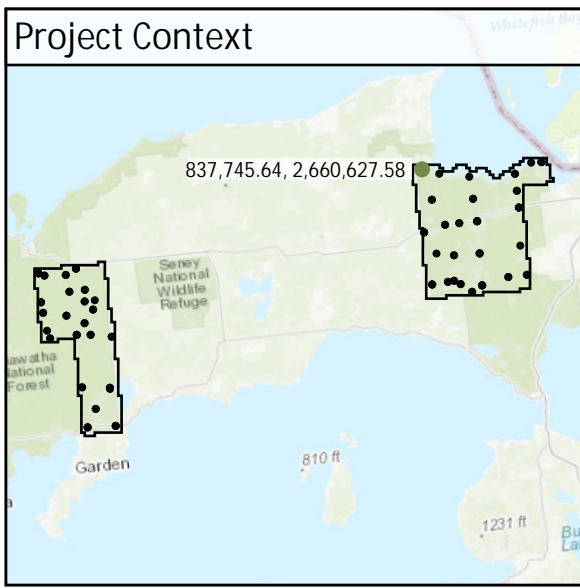
F015	Known Z	205.13 m	Point Density	2.86 ppsm
	DEM Dz	0.09 m	Ground Density	5.87 ppsm
	All Points TIN Dz	N/A	Slope	3.85 °



DEM Dz +0.09 m

VVA - F015

F016	Known Z	224.33 m	Point Density	3.18 ppsm
	DEM Dz	0.09 m	Ground Density	10.26 ppsm
	All Points TIN Dz	N/A	Slope	3.35 °



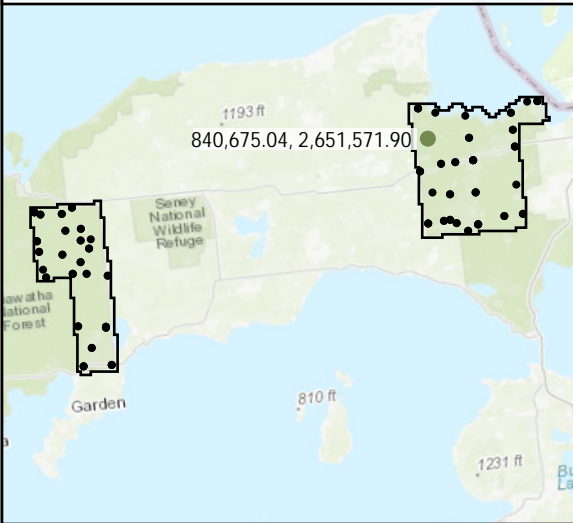
DEM Dz +0.09 m

VVA - F016

FO17

Known Z	249.93 m	Point Density	6.01 ppsm
DEM Dz	0.11 m	Ground Density	13.79 ppsm
All Points TIN Dz	N/A	Slope	1.76 °

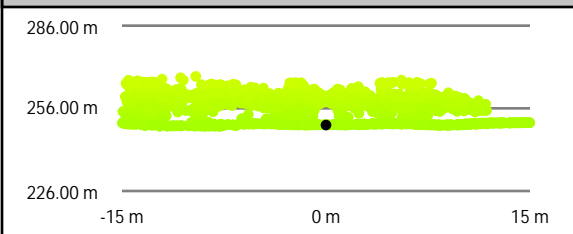
Project Context



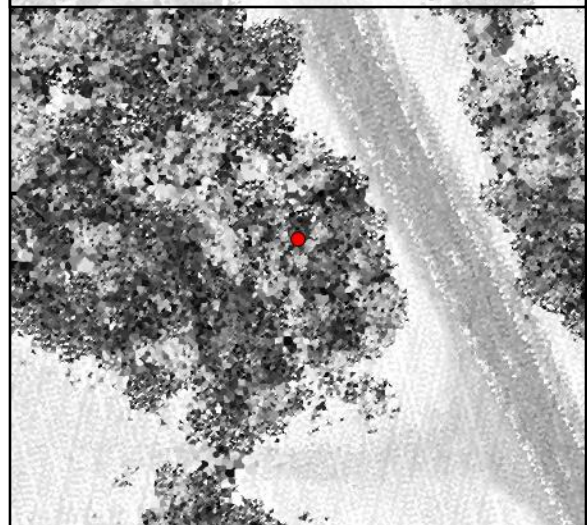
World Imagery



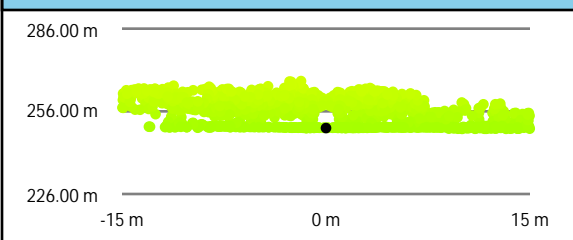
Southwest to Northeast



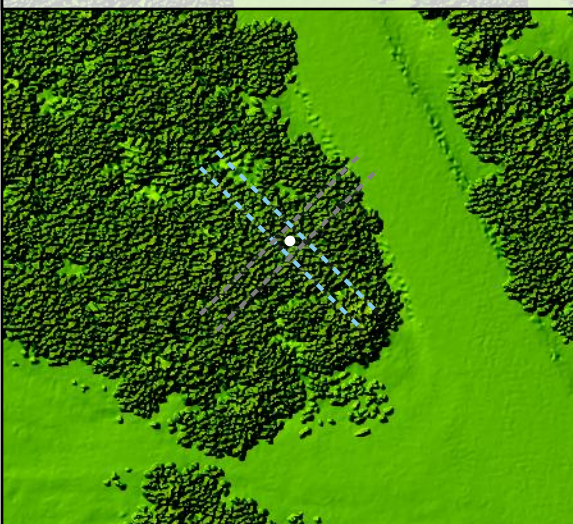
Intensity Raster



Southeast to Northwest



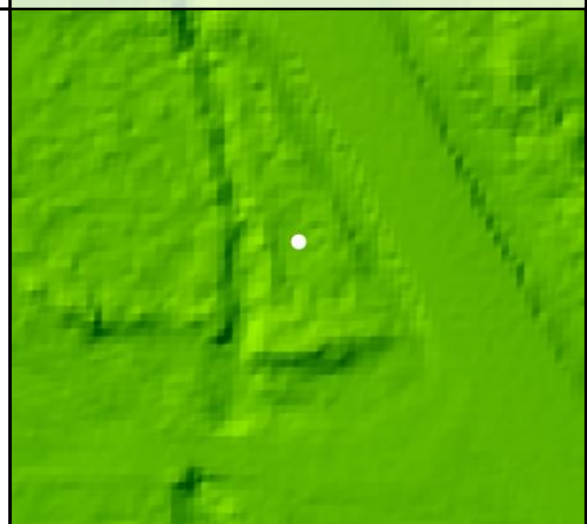
TIN Surface



Project Elevation



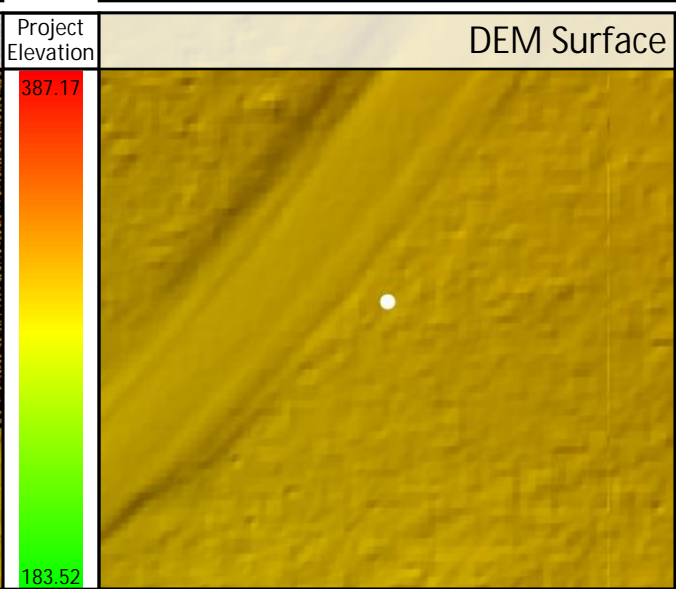
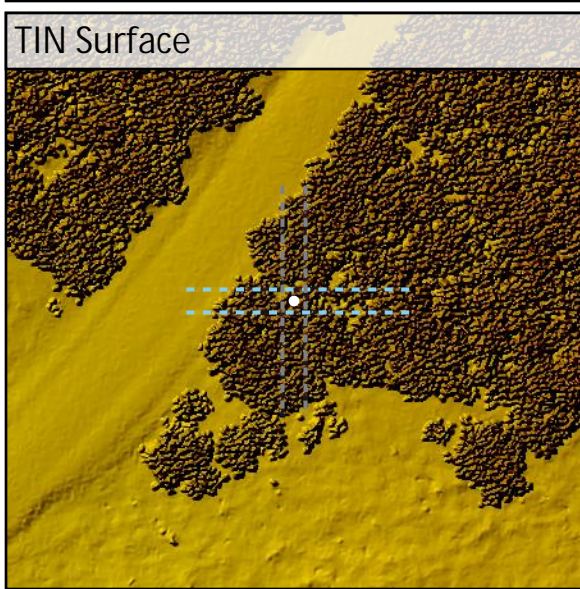
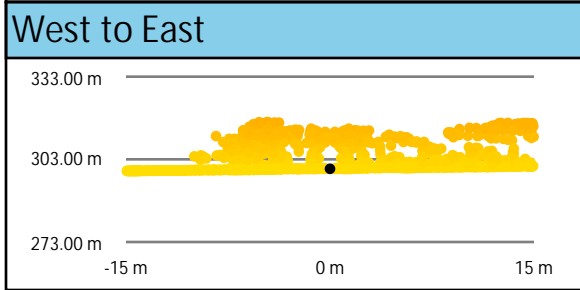
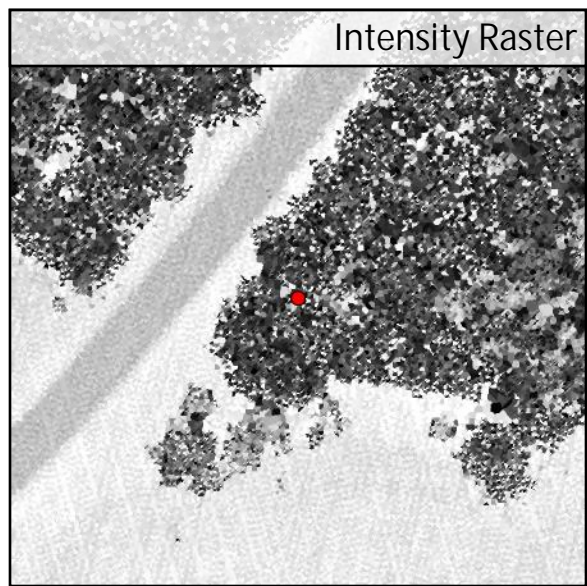
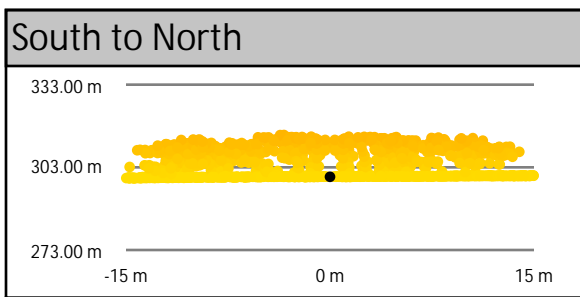
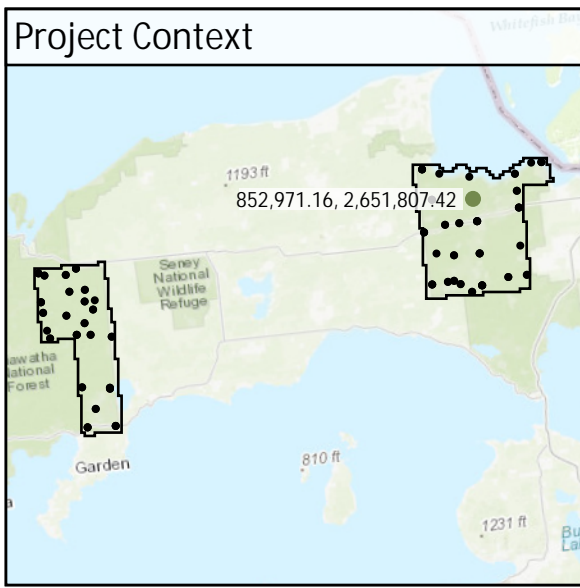
DEM Surface



DEM Dz +0.11 m

VVA - FO17

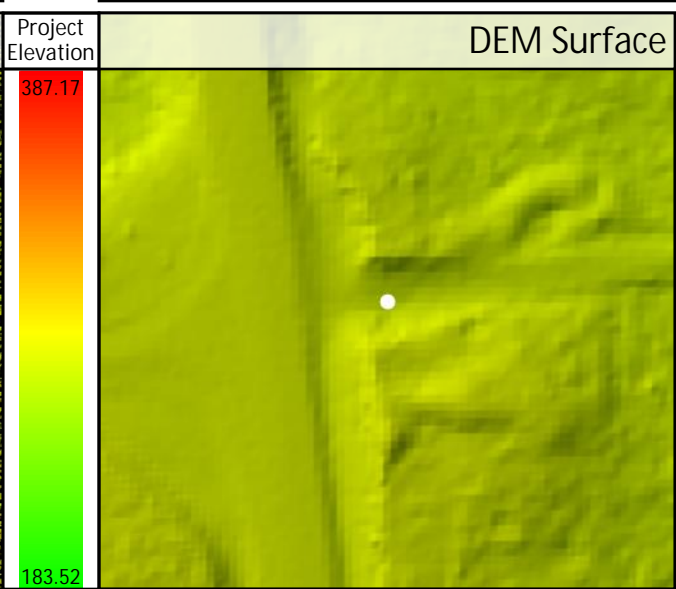
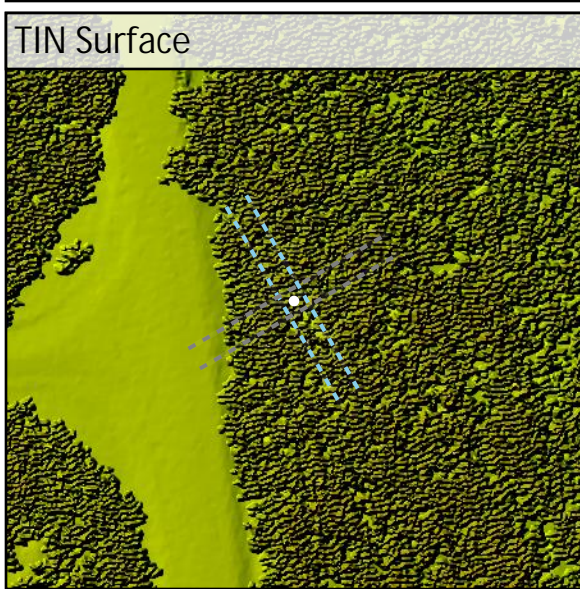
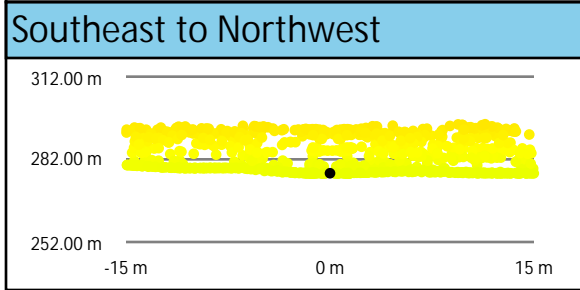
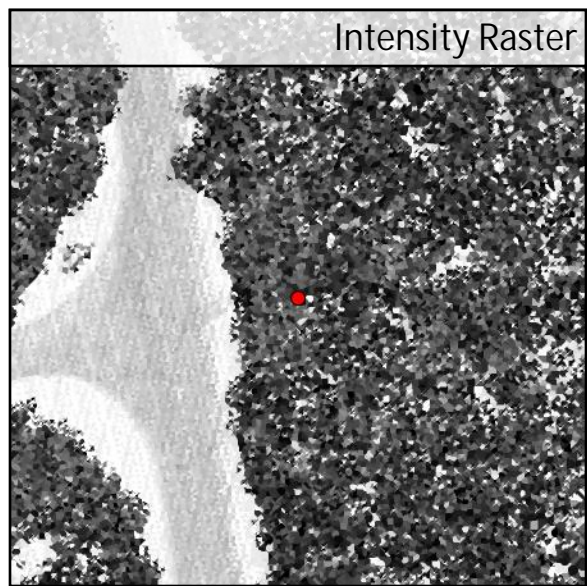
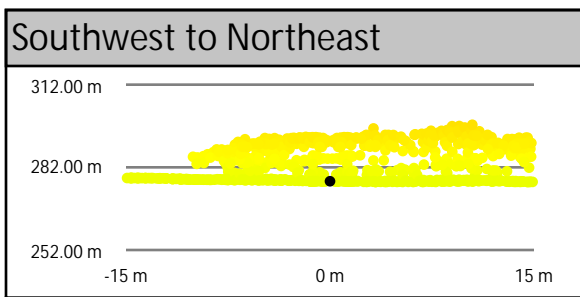
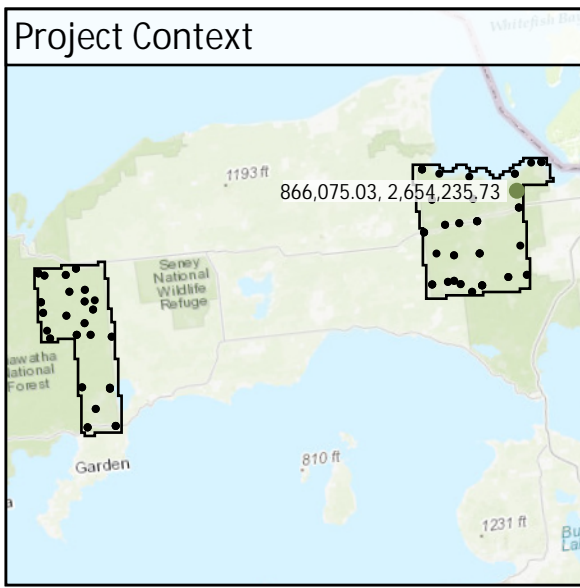
F018	Known Z	299.56 m	Point Density	5.59 ppsm
	DEM Dz	0.05 m	Ground Density	11.67 ppsm
	All Points TIN Dz	N/A	Slope	4.33 °



DEM Dz +0.05 m

VVA - F018

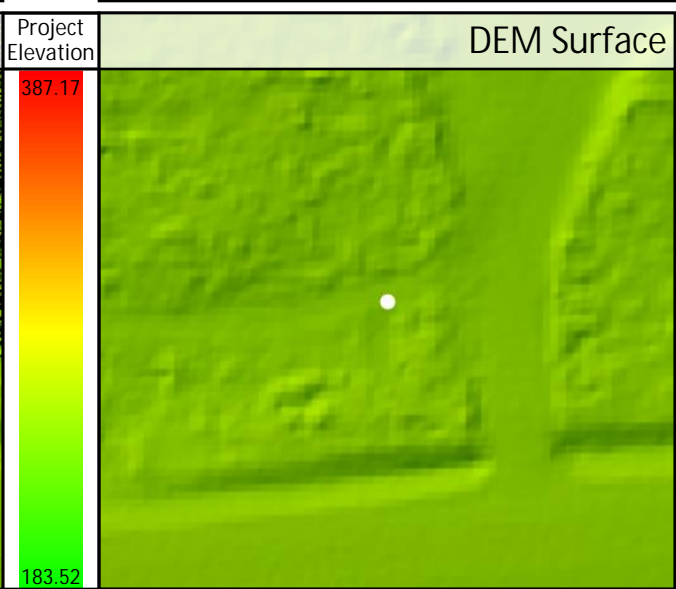
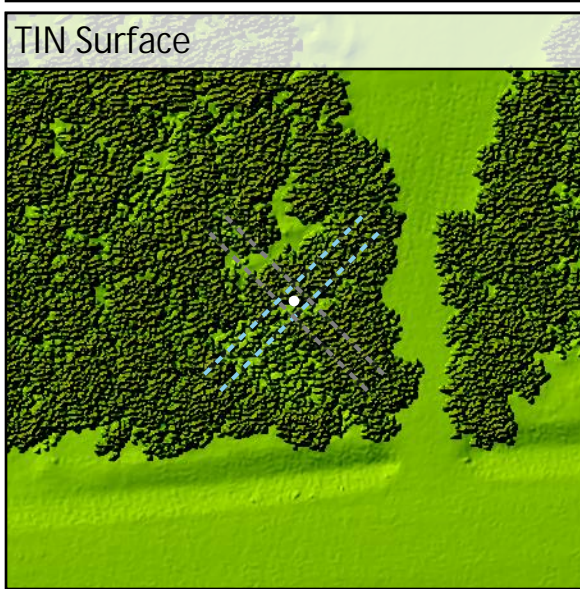
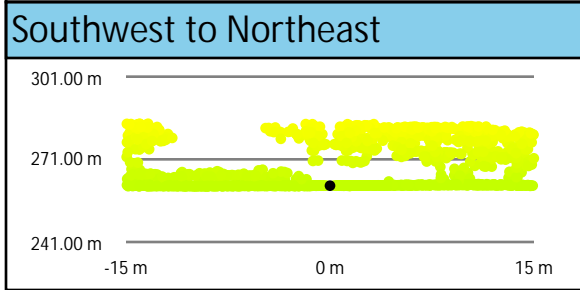
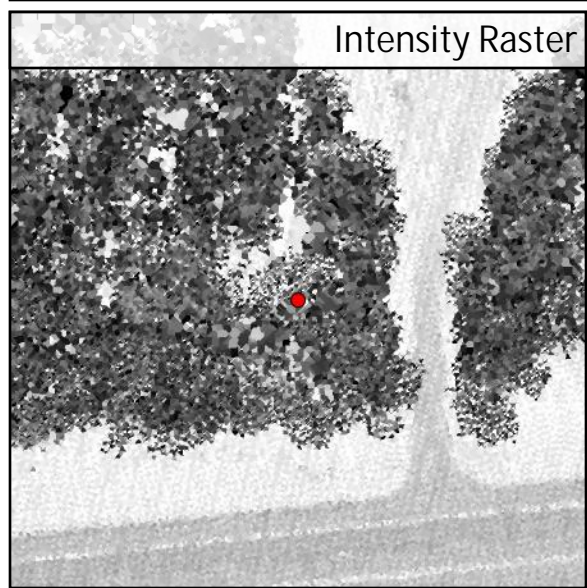
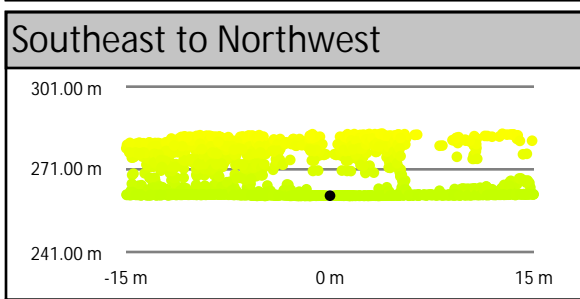
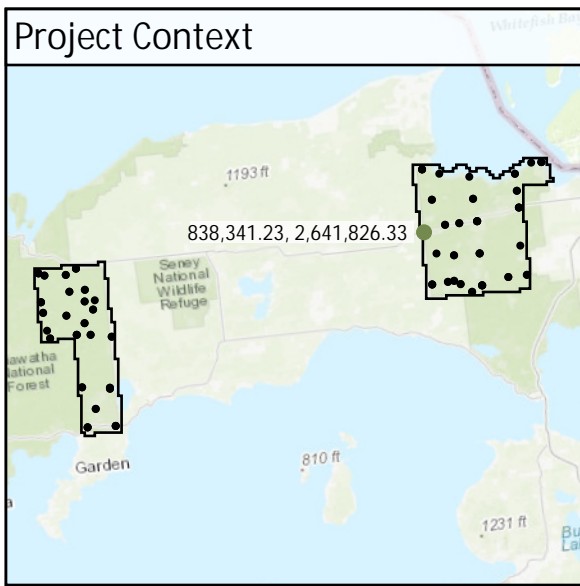
F019	Known Z	276.95 m	Point Density	2.83 ppsm
	DEM Dz	0.01 m	Ground Density	7.18 ppsm
	All Points TIN Dz	N/A	Slope	4.12 °



DEM Dz +0.01 m

VVA - F019

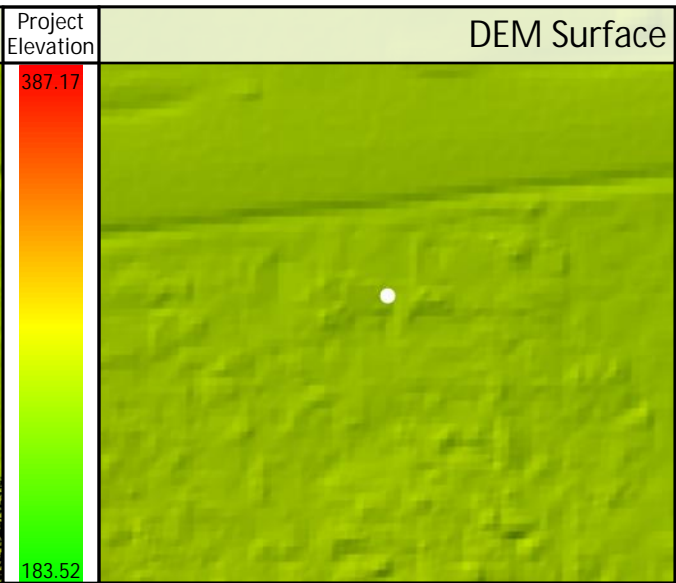
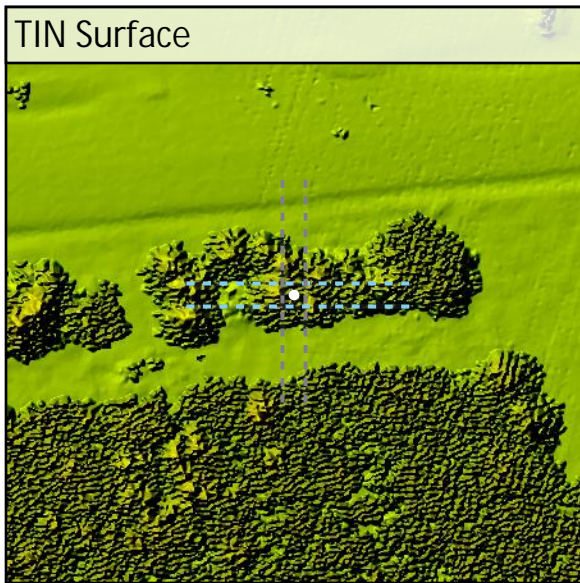
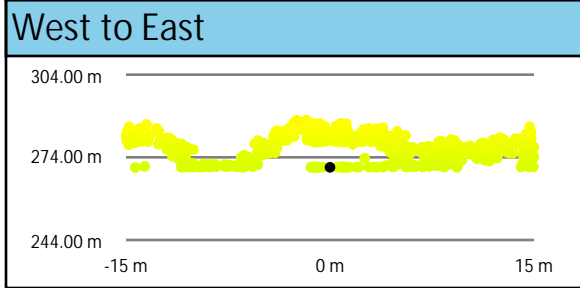
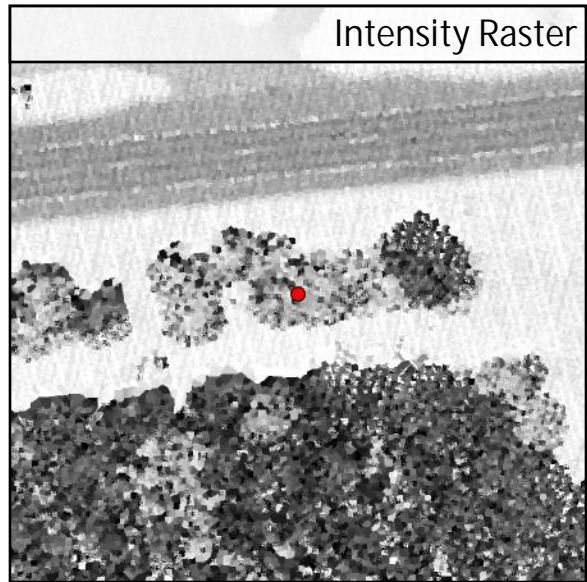
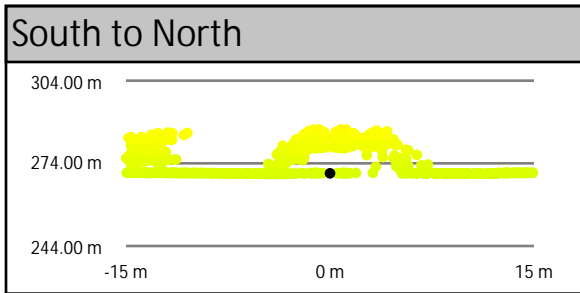
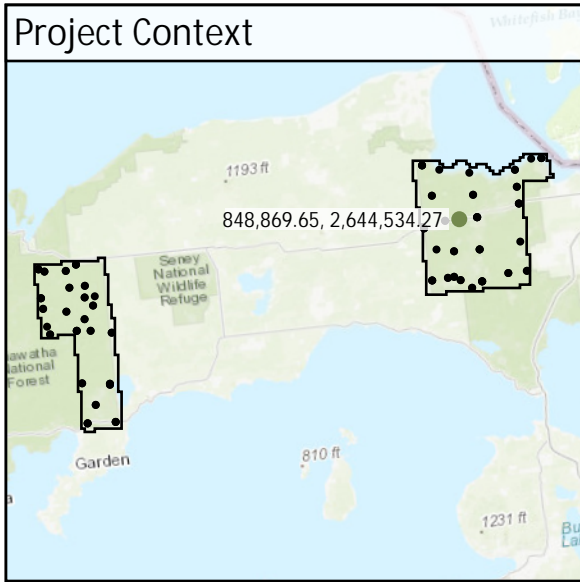
FO20	Known Z	261.43 m	Point Density	4.88 ppsm
	DEM Dz	0.02 m	Ground Density	11.28 ppsm
	All Points TIN Dz	N/A	Slope	1.94 °



DEM Dz +0.02 m

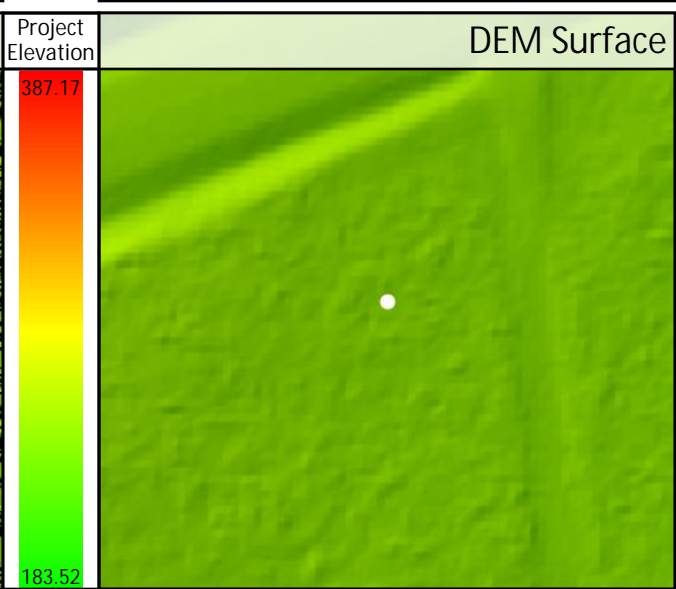
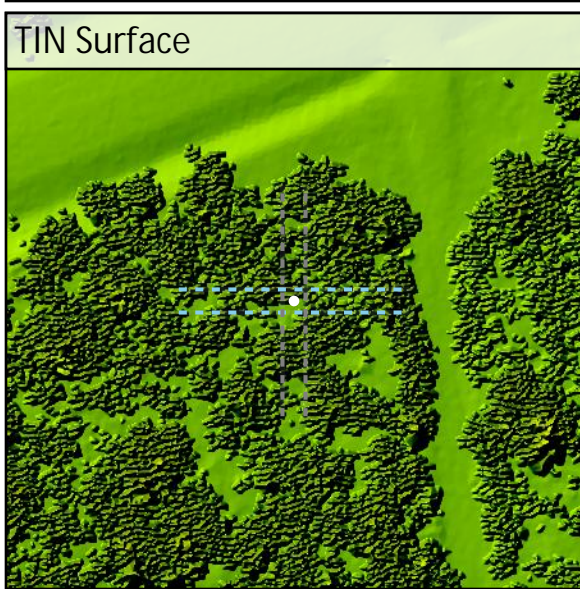
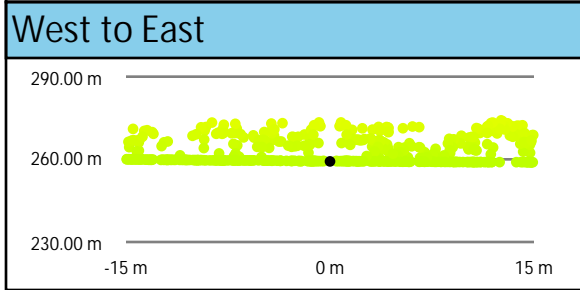
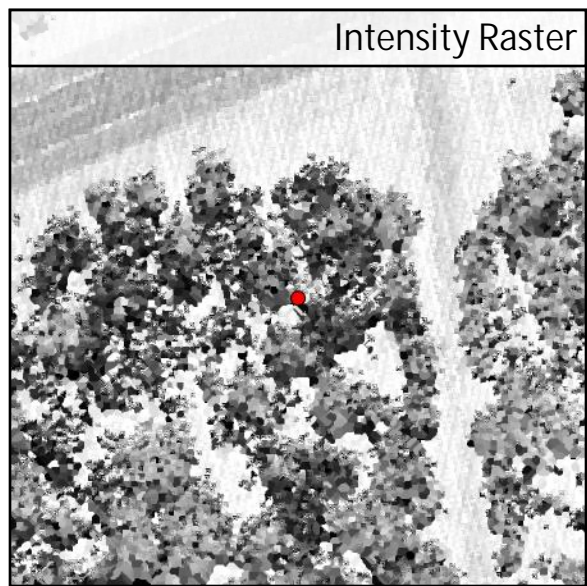
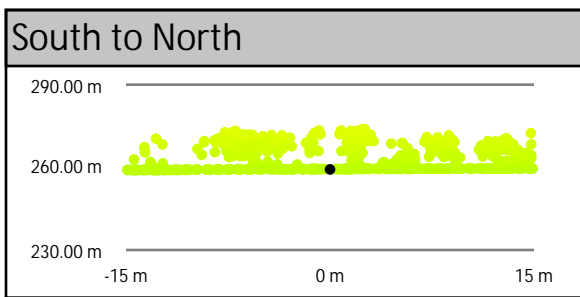
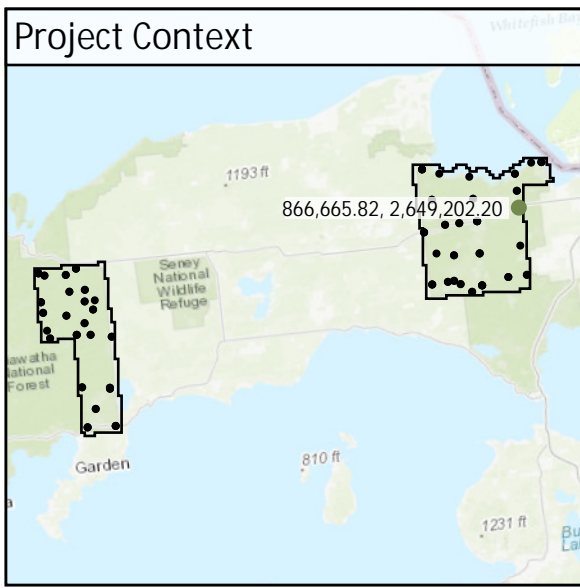
VVA - FO20

FO21	Known Z	270.37 m	Point Density	3.04 ppsm
	DEM Dz	0.08 m	Ground Density	5.80 ppsm
	All Points TIN Dz	N/A	Slope	2.41 °



VVA - FO21
DEM Dz +0.08 m

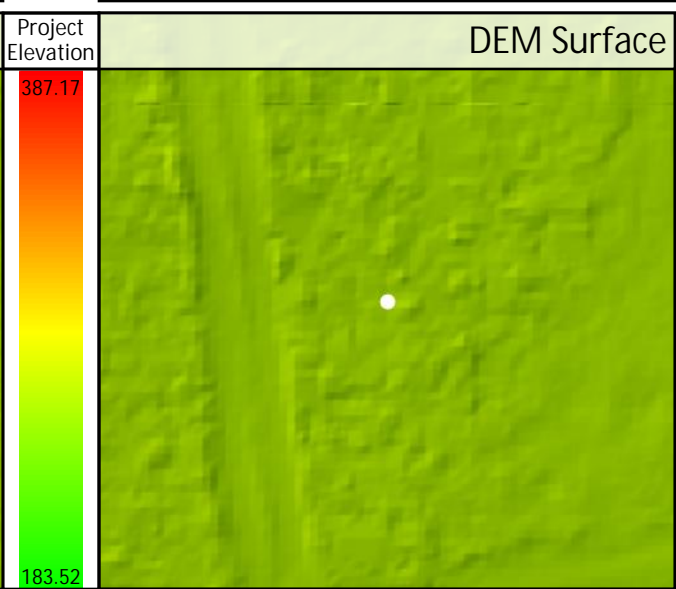
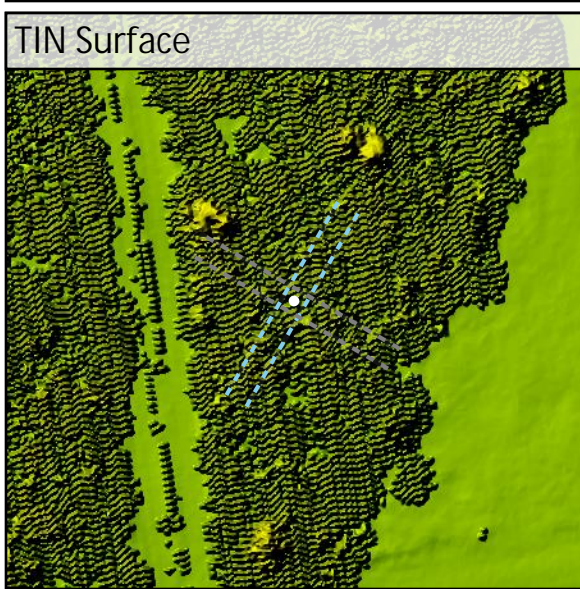
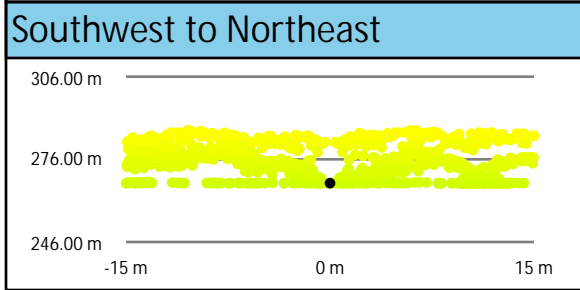
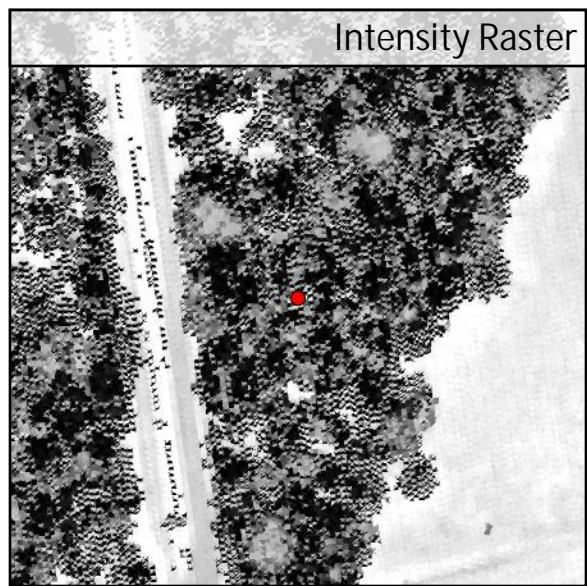
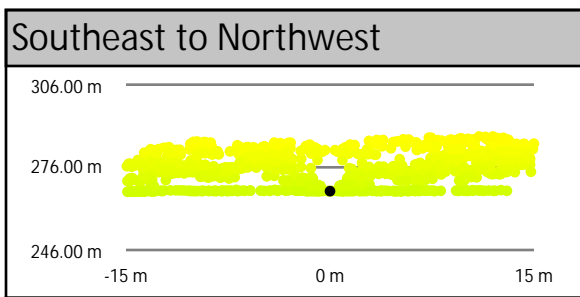
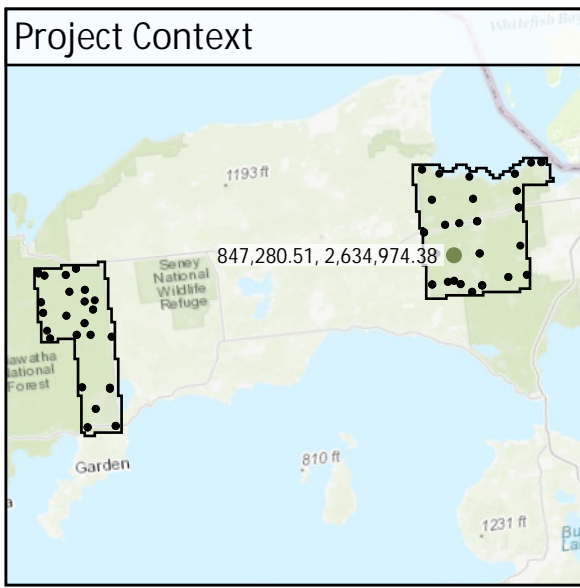
FO22	Known Z	259.25 m	Point Density	2.62 ppsm
	DEM Dz	0.12 m	Ground Density	4.88 ppsm
	All Points TIN Dz	N/A	Slope	3.06 °



DEM Dz +0.12 m

VVA - FO22

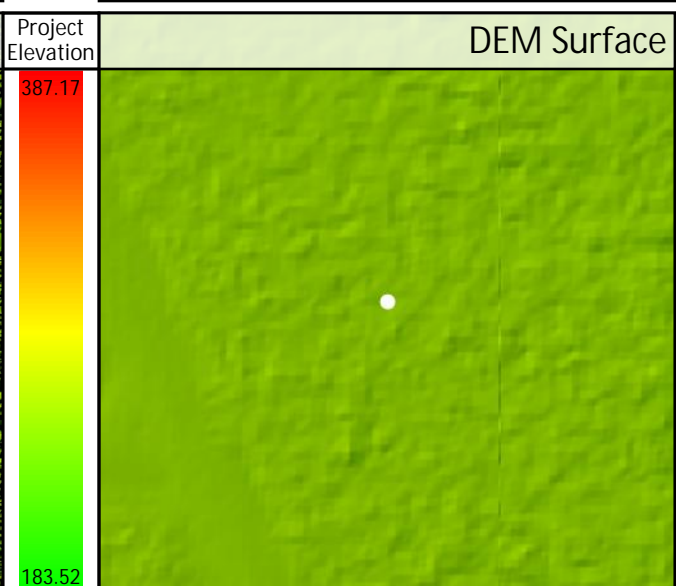
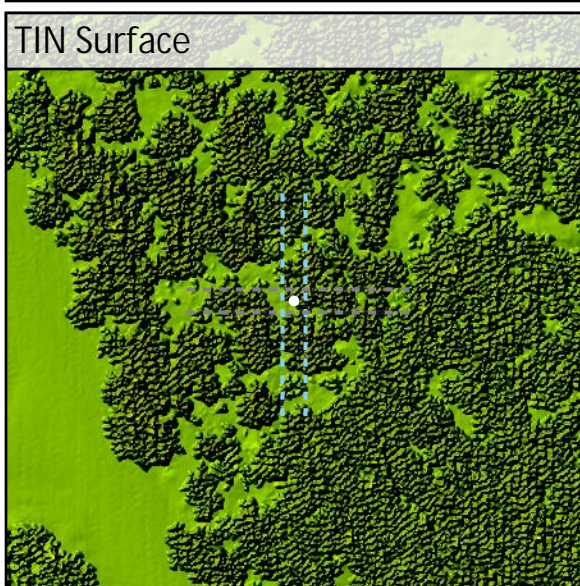
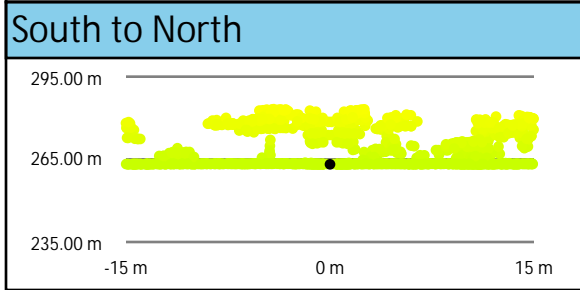
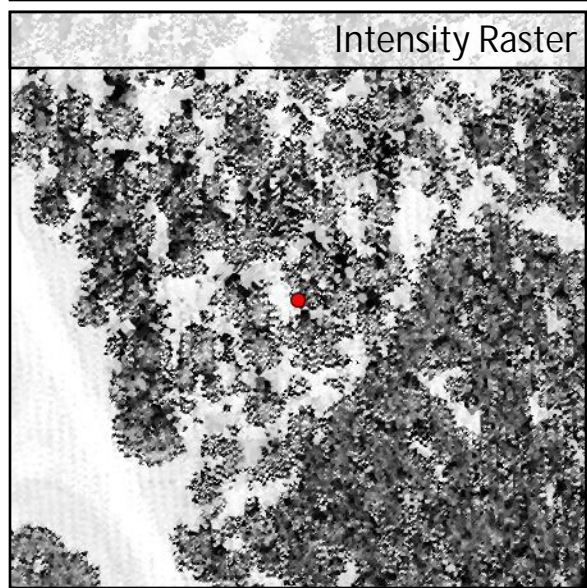
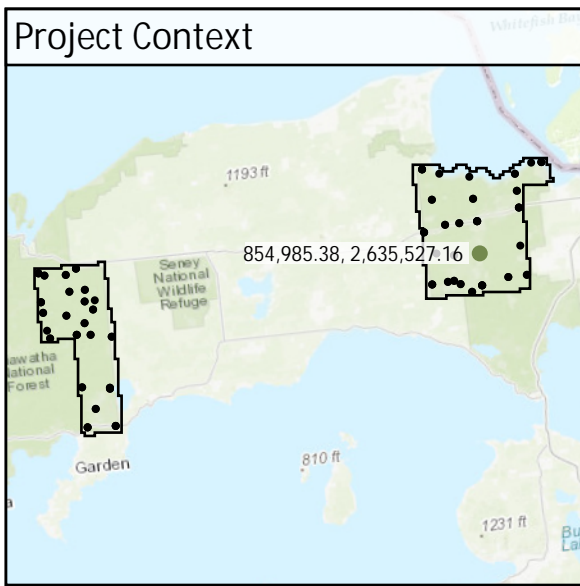
FO23	Known Z	267.36 m	Point Density	5.16 ppsm
	DEM Dz	0.03 m	Ground Density	8.24 ppsm
	All Points TIN Dz	N/A	Slope	2.25 °



DEM Dz +0.03 m

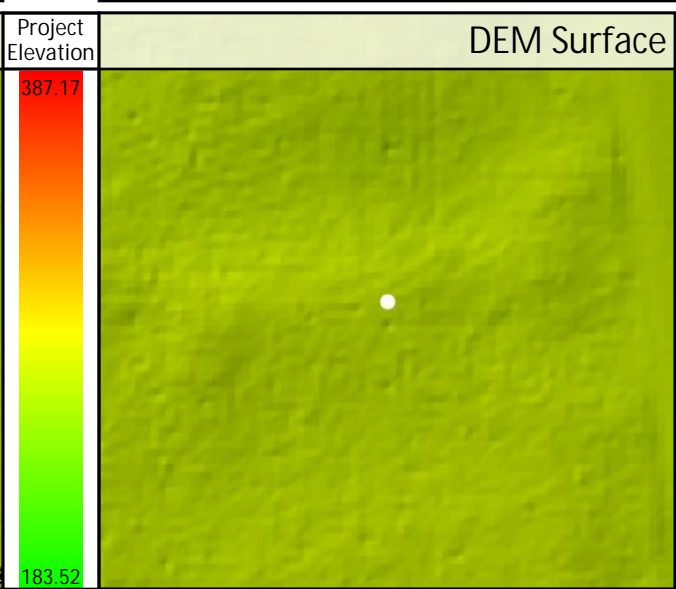
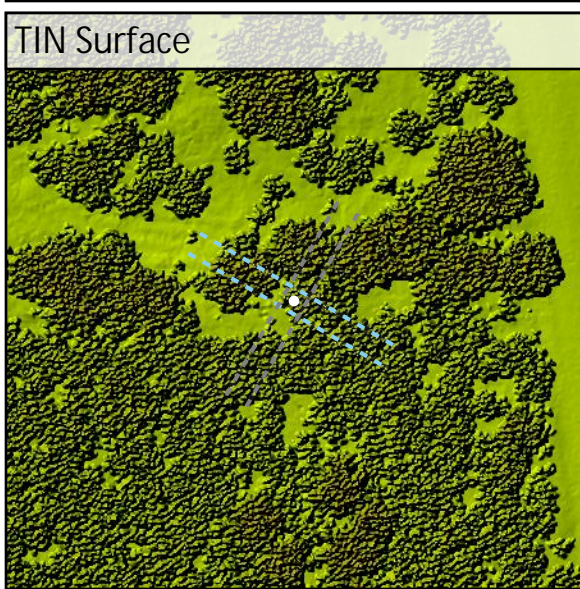
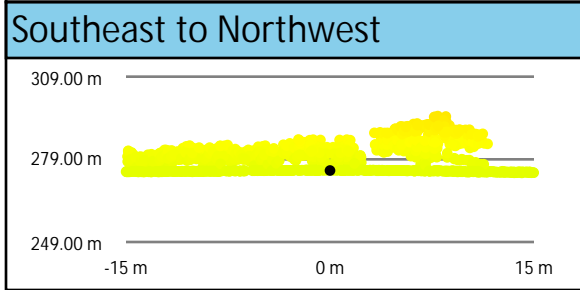
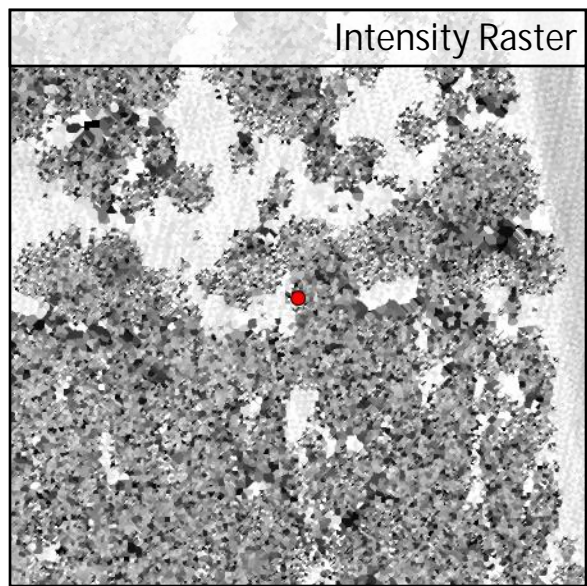
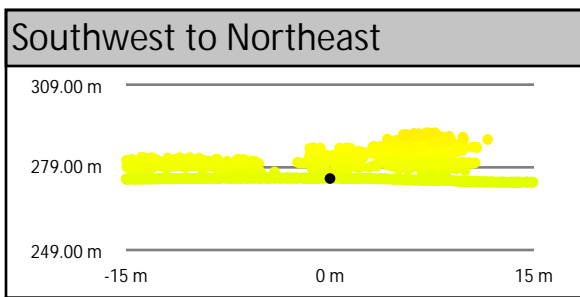
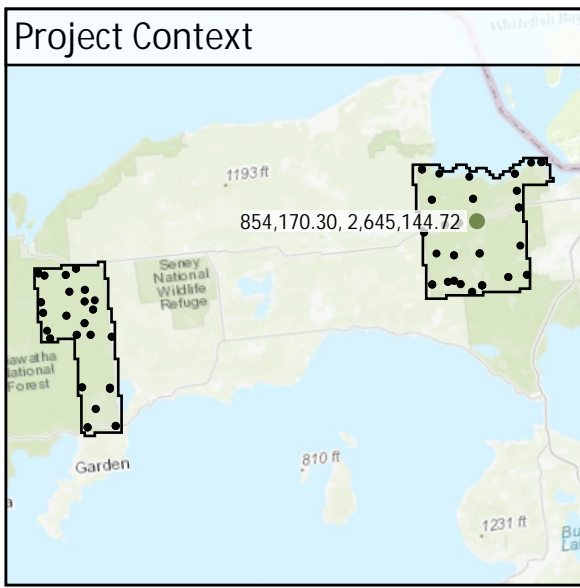
VVA - FO23

FO24	Known Z	263.19 m	Point Density	7.32 ppsm
	DEM Dz	0.09 m	Ground Density	11.07 ppsm
	All Points TIN Dz	N/A	Slope	0.57 °



VVA - FO24
DEM Dz +0.09 m

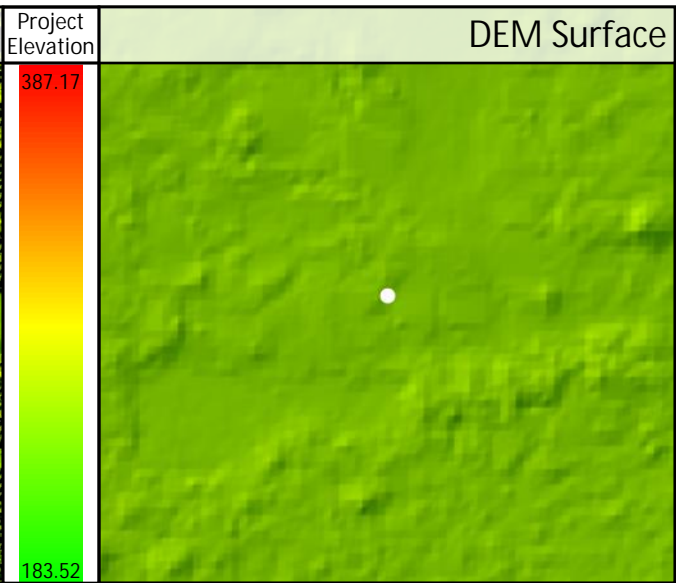
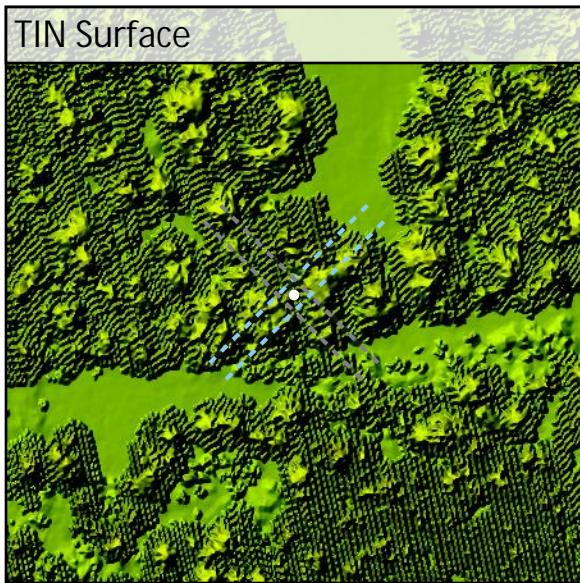
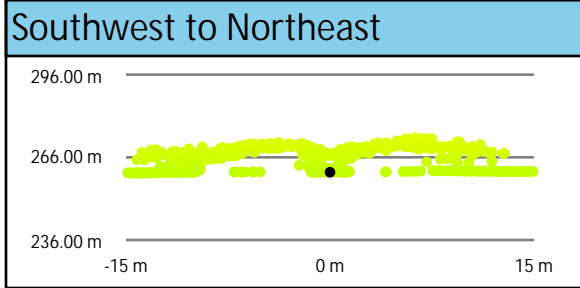
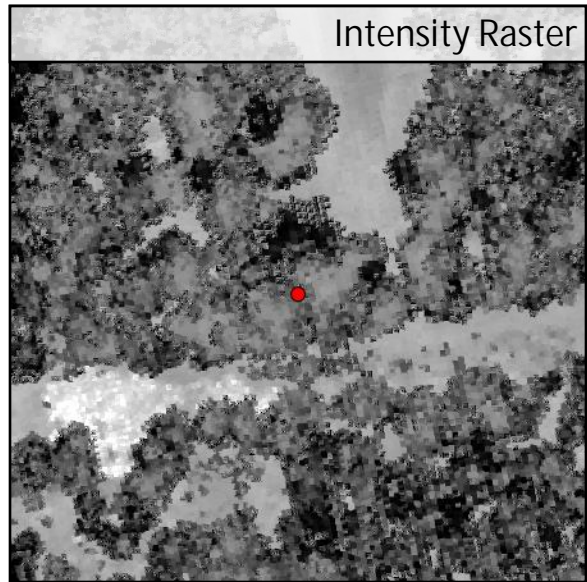
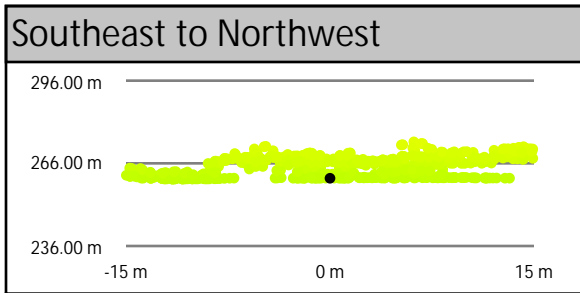
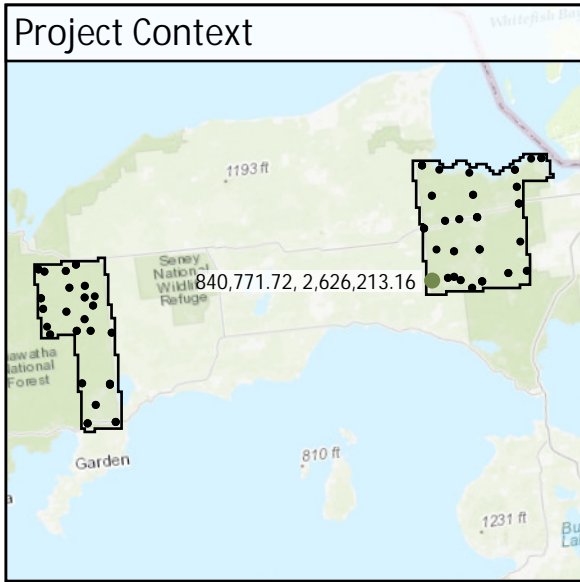
FO25	Known Z	274.94 m	Point Density	4.35 ppsm
	DEM Dz	0.09 m	Ground Density	9.16 ppsm
	All Points TIN Dz	N/A	Slope	1.07 °



DEM Dz +0.09 m

VVA - FO25

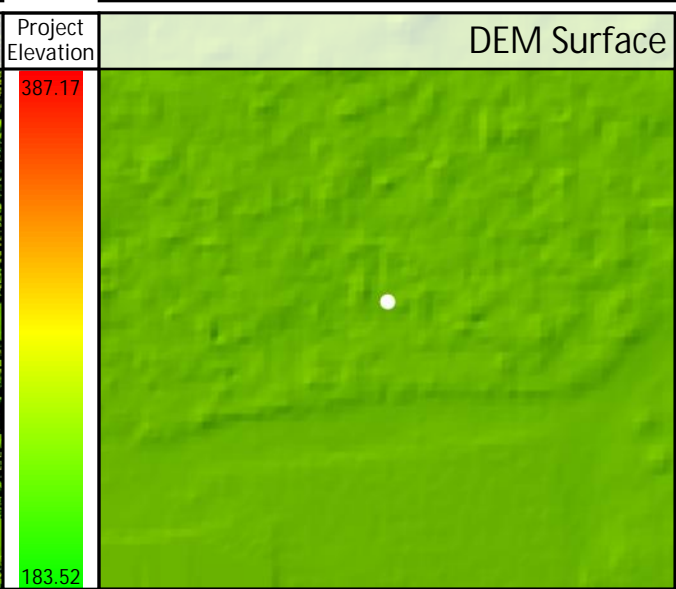
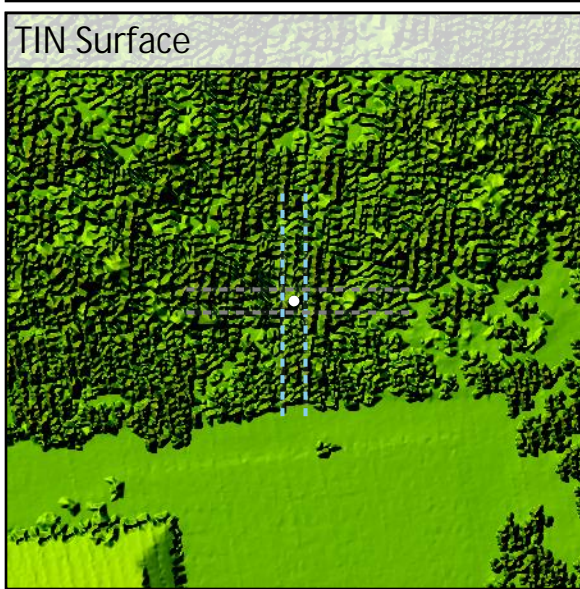
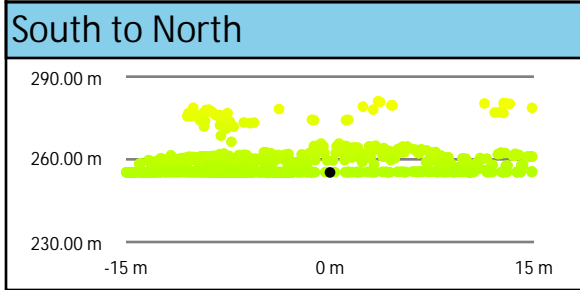
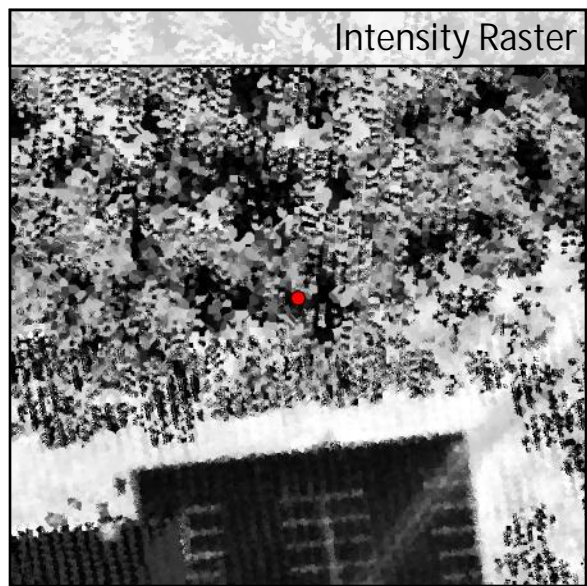
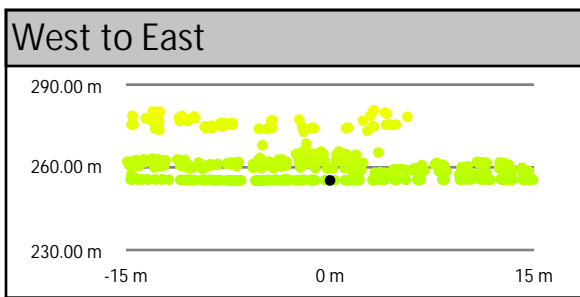
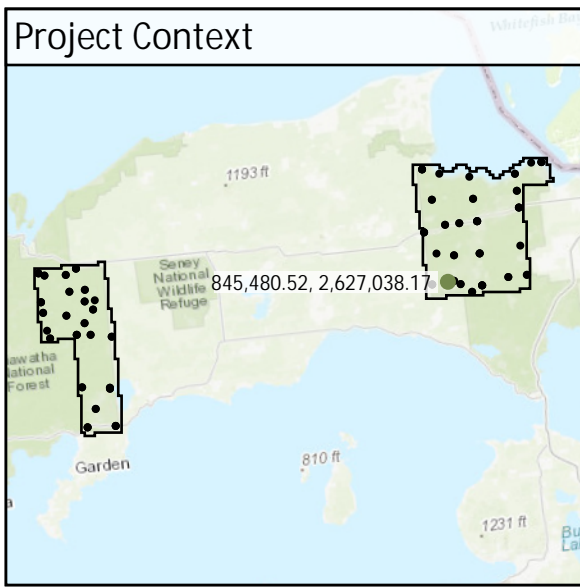
FO26	Known Z	260.58 m	Point Density	4.39 ppsm
	DEM Dz	0.08 m	Ground Density	5.06 ppsm
	All Points TIN Dz	N/A	Slope	4.31 °



DEM Dz +0.08 m

VVA - FO26

FO27	Known Z	255.24 m	Point Density	2.79 ppsm
	DEM Dz	0.11 m	Ground Density	5.09 ppsm
	All Points TIN Dz	N/A	Slope	1.17 °



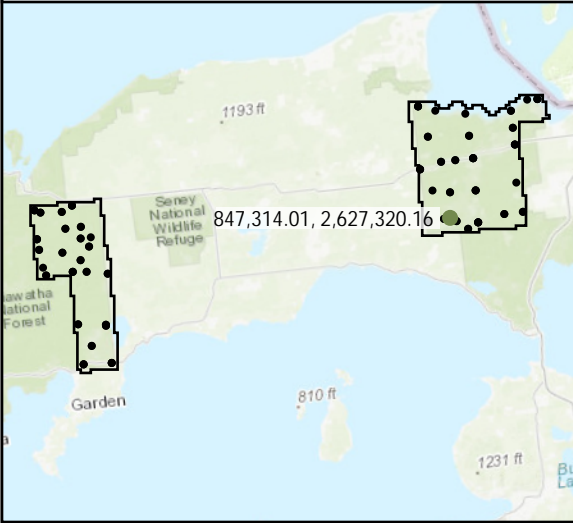
DEM Dz +0.11 m

VVA - FO27

FO28

Known Z	252.76 m	Point Density	3.78 ppsm
DEM Dz	0.10 m	Ground Density	5.66 ppsm
All Points TIN Dz	N/A	Slope	0.71 °

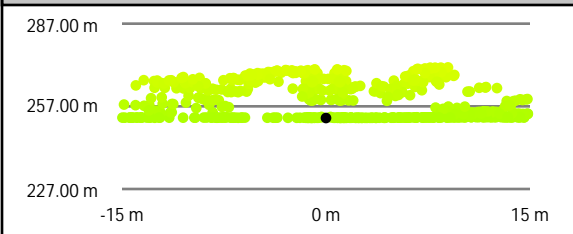
Project Context



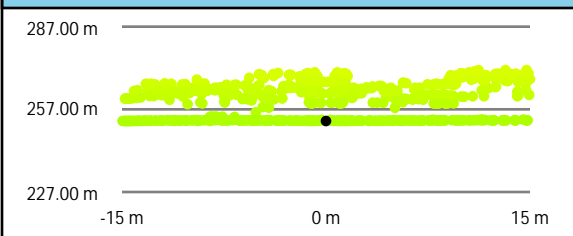
World Imagery



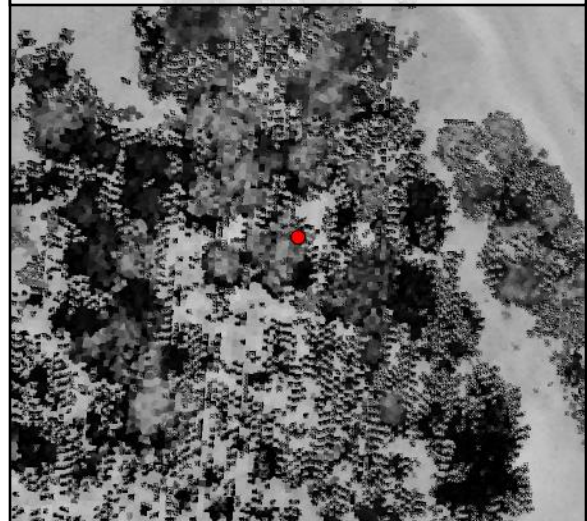
Southwest to Northeast



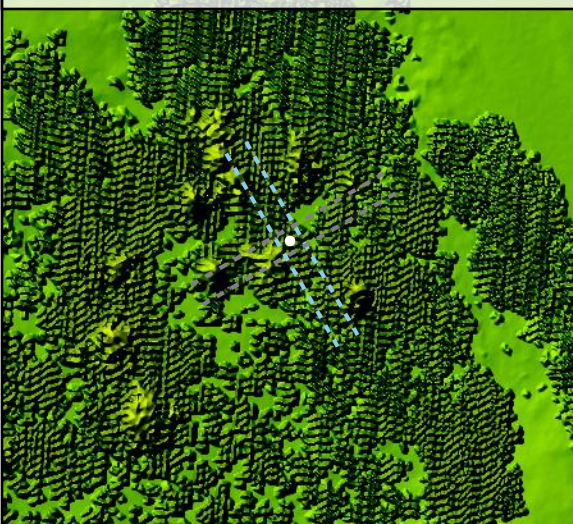
Southeast to Northwest



Intensity Raster



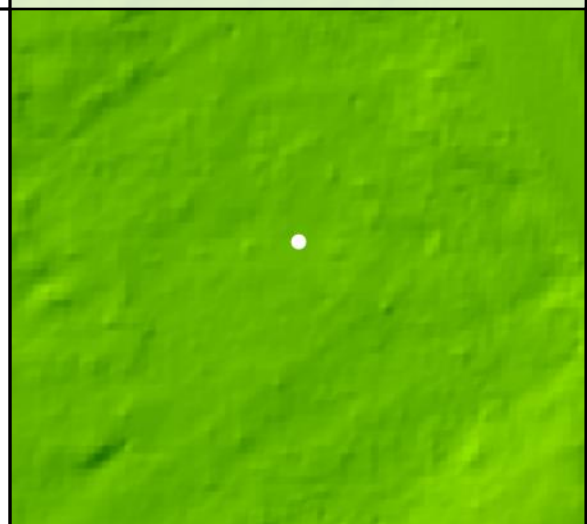
TIN Surface



Project Elevation



DEM Surface



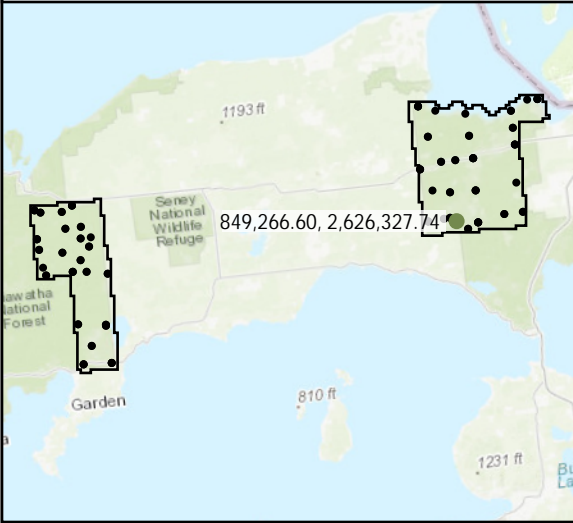
DEM Dz +0.10 m

VVA - FO28

FO29

Known Z	255.70 m	Point Density	3.75 ppsm
DEM Dz	0.14 m	Ground Density	7.46 ppsm
All Points TIN Dz	N/A	Slope	1.08 °

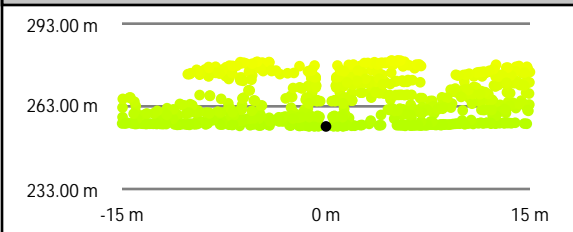
Project Context



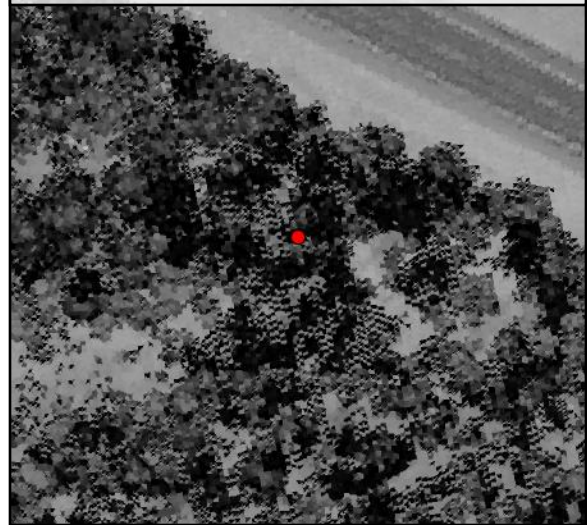
World Imagery



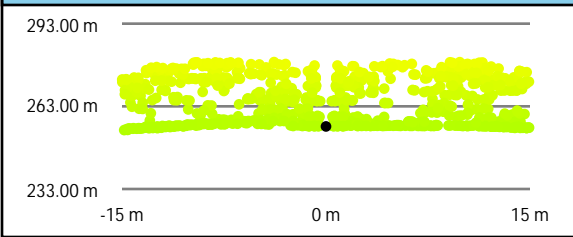
Southwest to Northeast



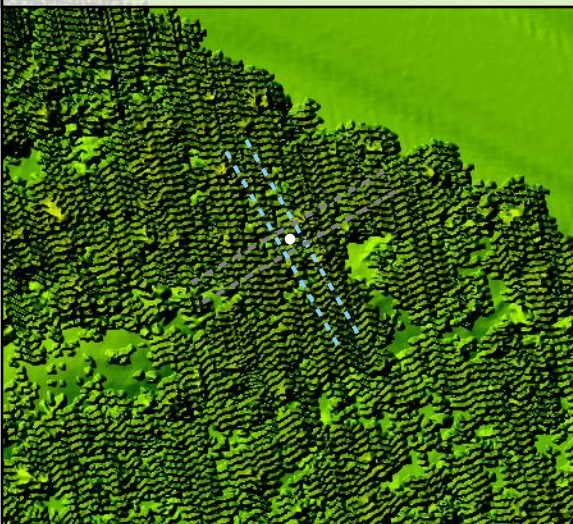
Intensity Raster



Southeast to Northwest



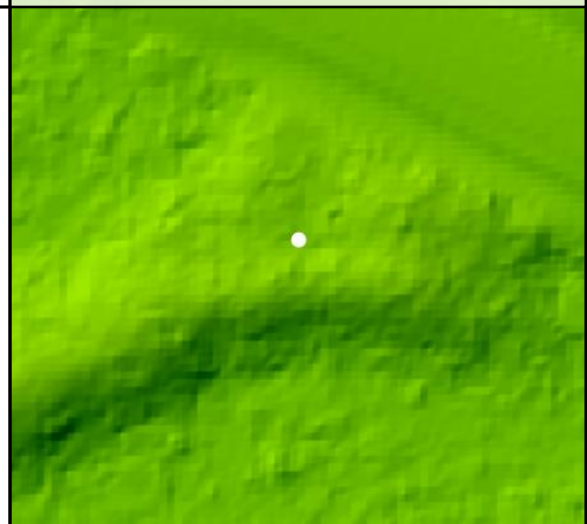
TIN Surface



Project Elevation



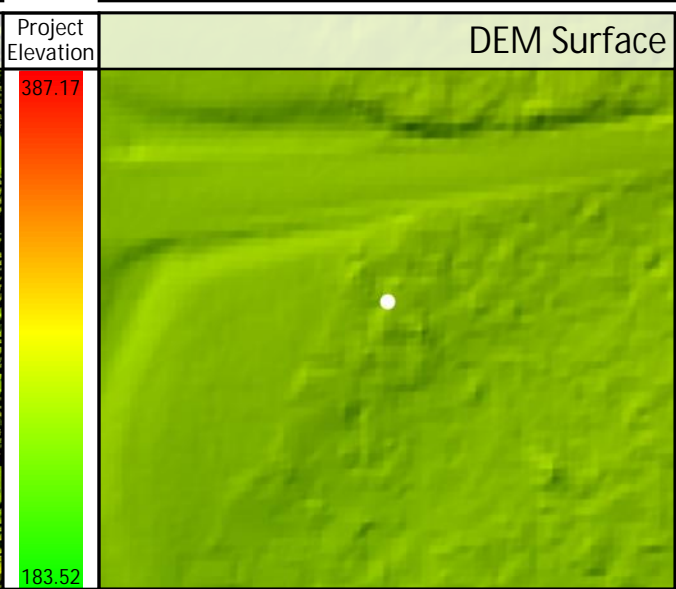
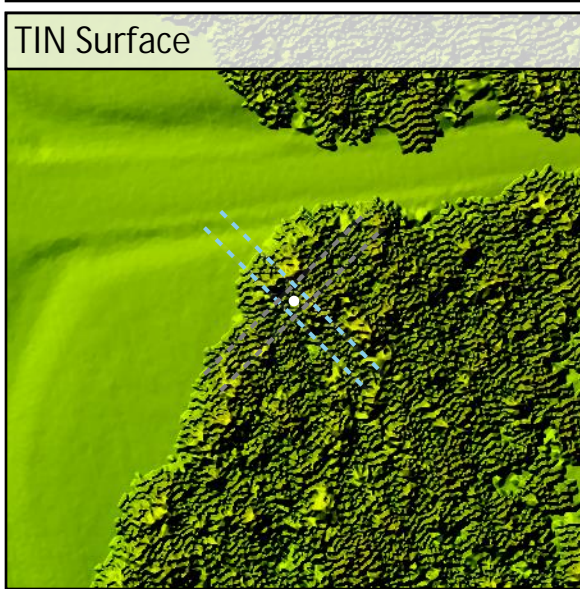
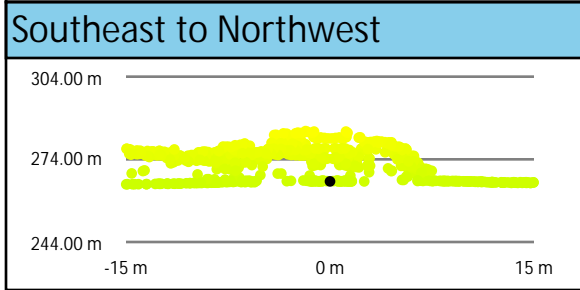
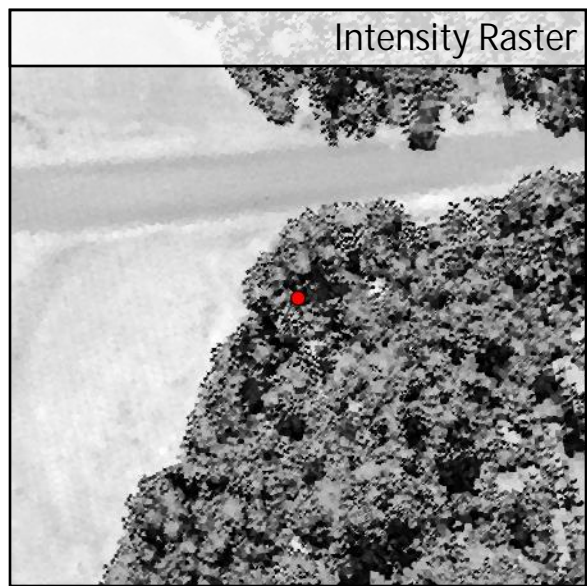
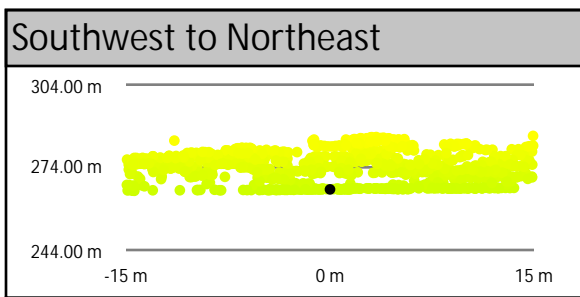
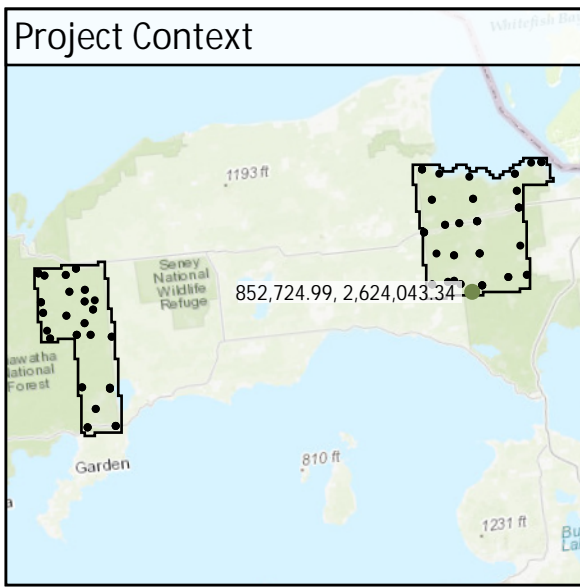
DEM Surface



DEM Dz +0.14 m

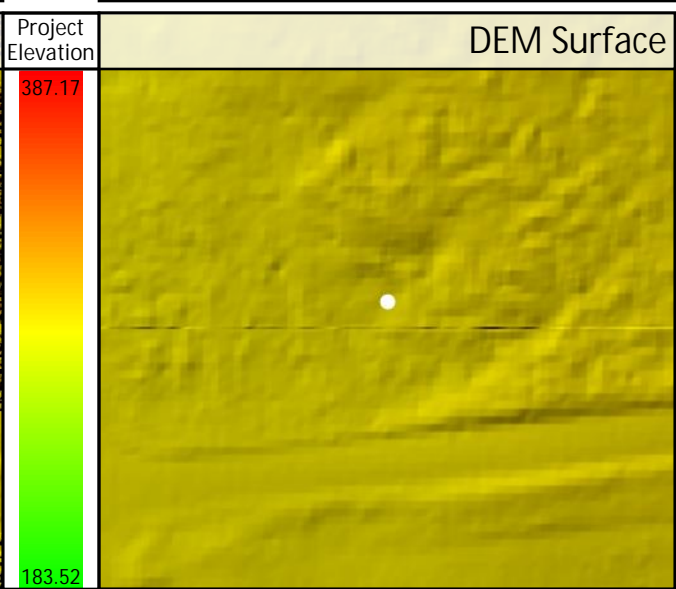
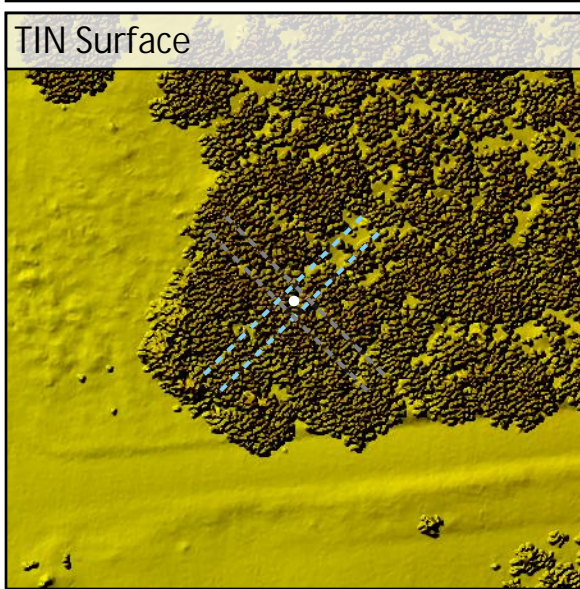
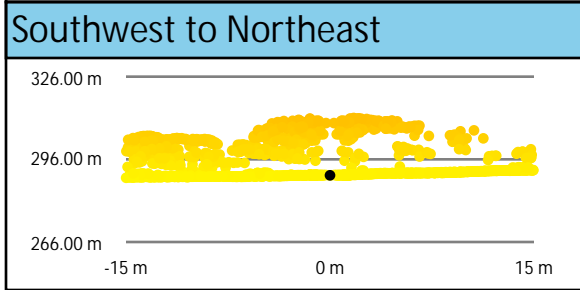
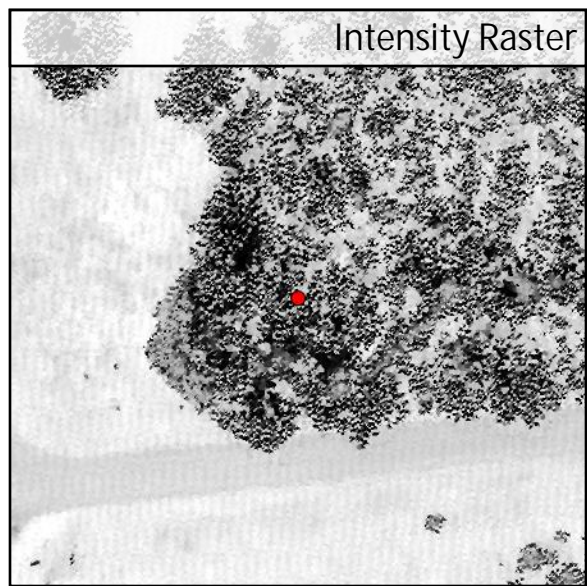
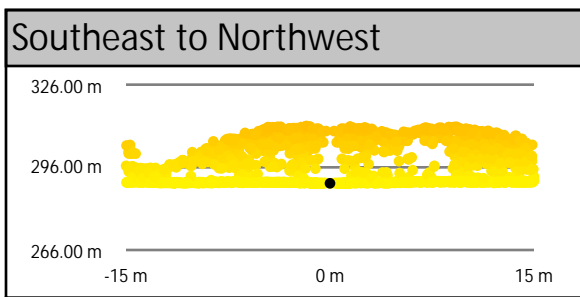
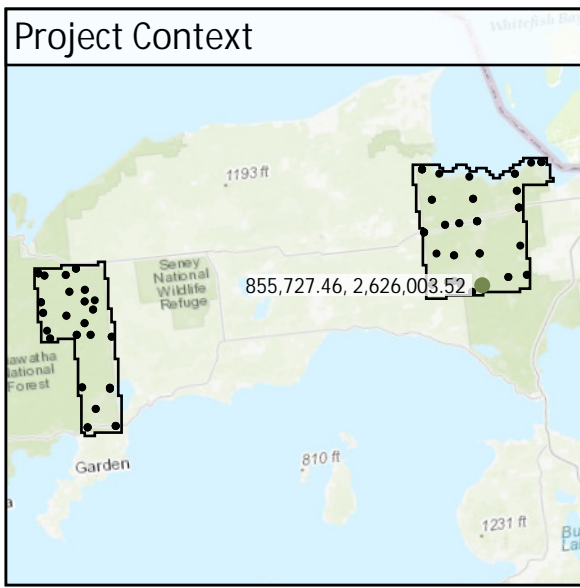
VVA - FO29

FO30	Known Z	265.99 m	Point Density	4.42 ppsm
	DEM Dz	0.12 m	Ground Density	7.99 ppsm
	All Points TIN Dz	N/A	Slope	4.71 °



VVA - FO30
DEM Dz +0.12 m

FO31	Known Z	290.20 m	Point Density	10.36 ppsm
	DEM Dz	0.03 m	Ground Density	17.54 ppsm
	All Points TIN Dz	N/A	Slope	3.47 °



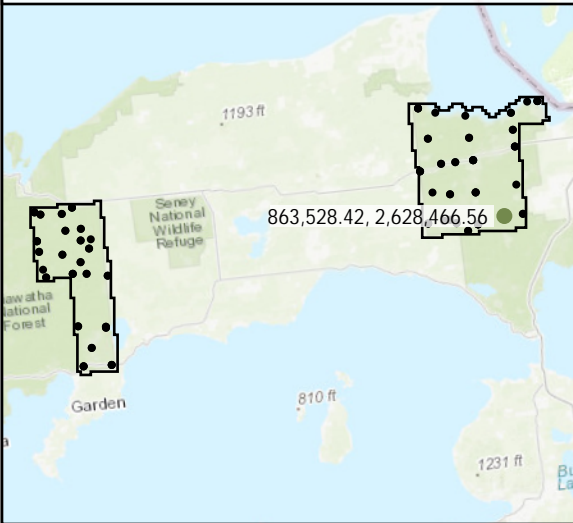
DEM Dz +0.03 m

VVA - FO31

FO32

Known Z	241.53 m	Point Density	8.06 ppsm
DEM Dz	0.13 m	Ground Density	15.24 ppsm
All Points TIN Dz	N/A	Slope	2.52 °

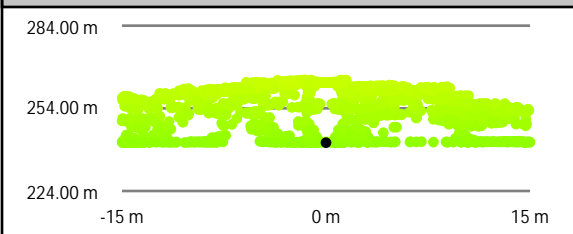
Project Context



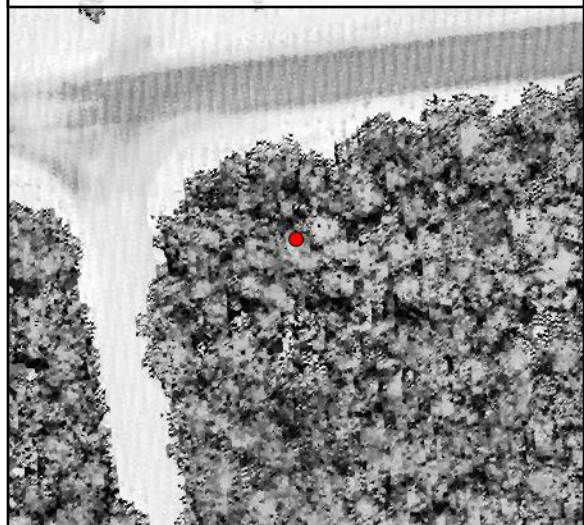
World Imagery



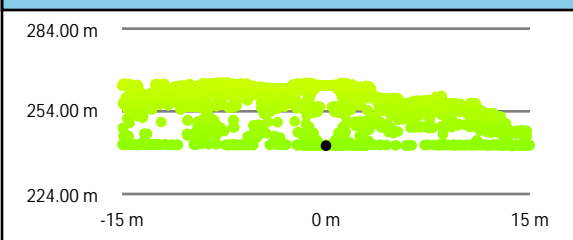
Southwest to Northeast



Intensity Raster



Southeast to Northwest



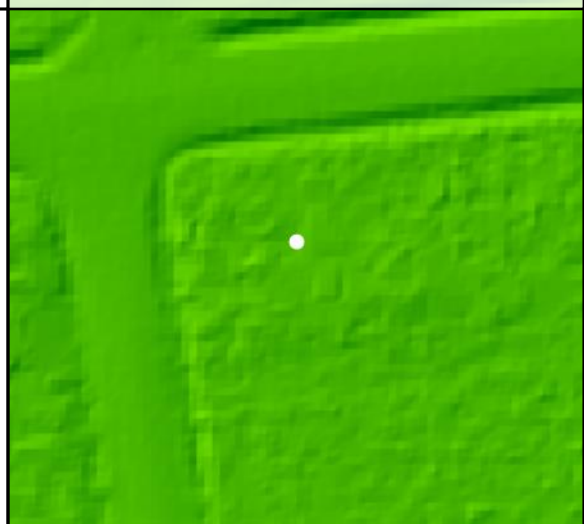
TIN Surface



Project Elevation



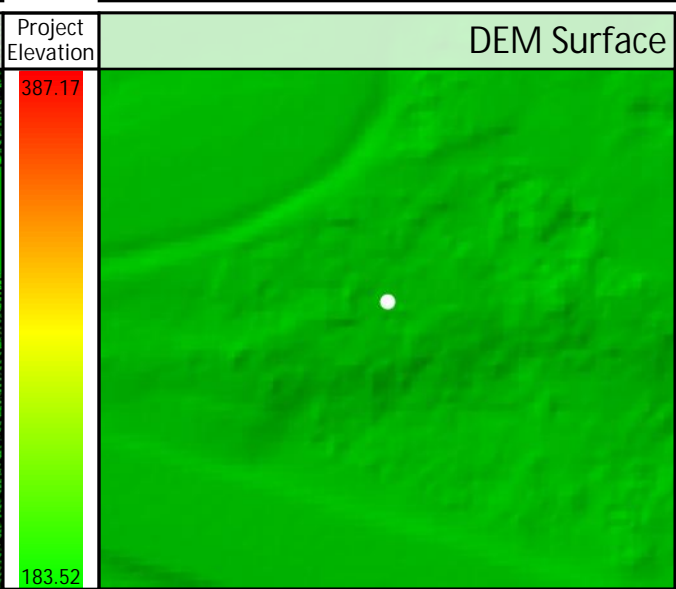
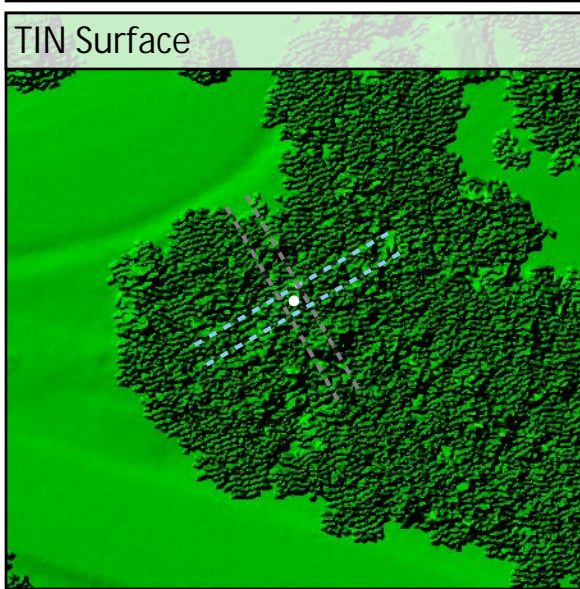
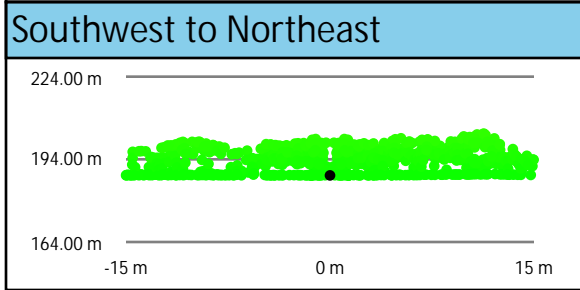
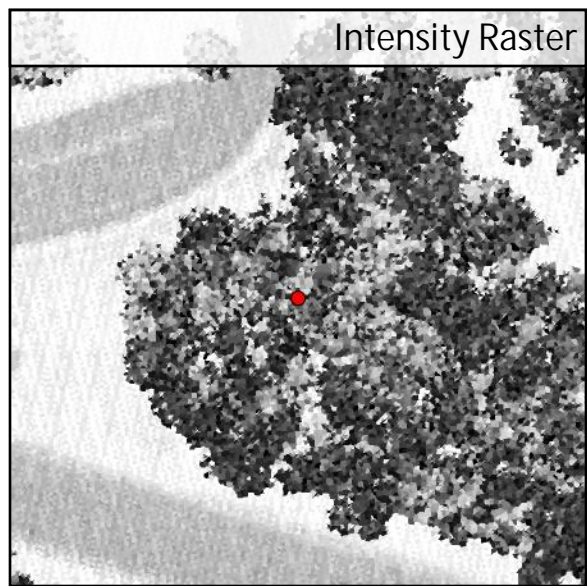
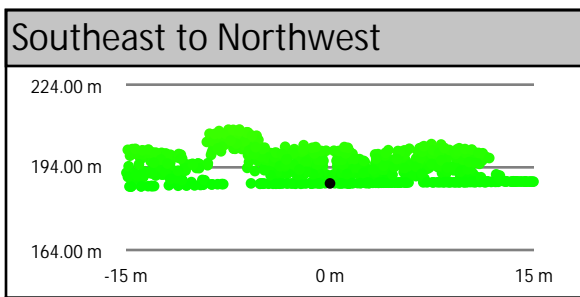
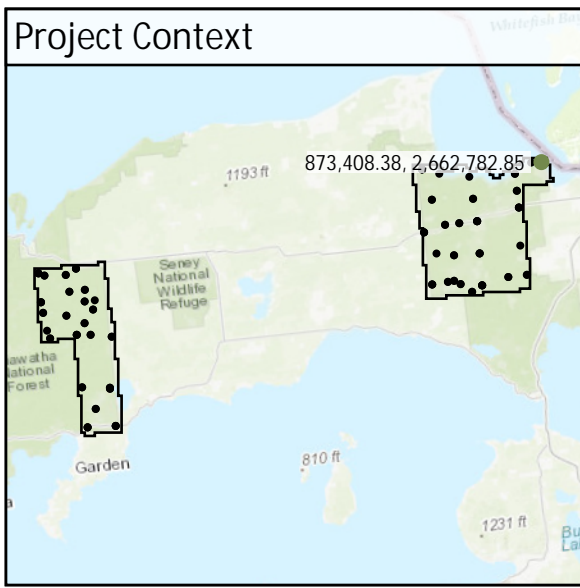
DEM Surface



DEM Dz +0.13 m

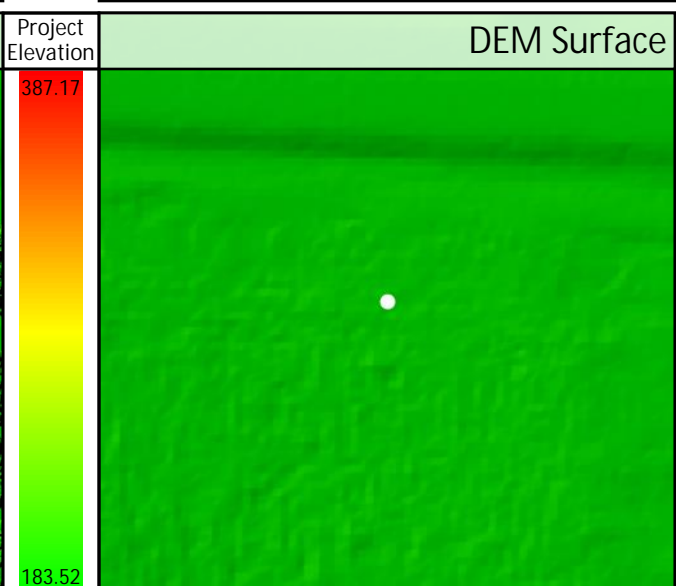
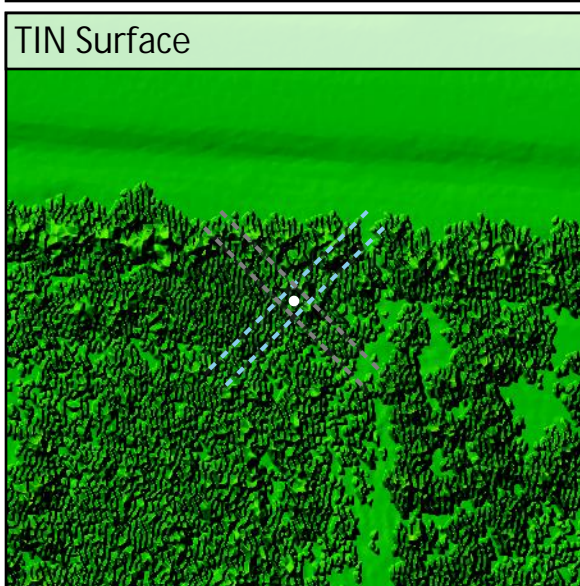
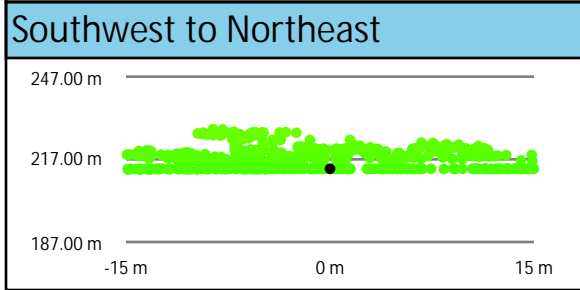
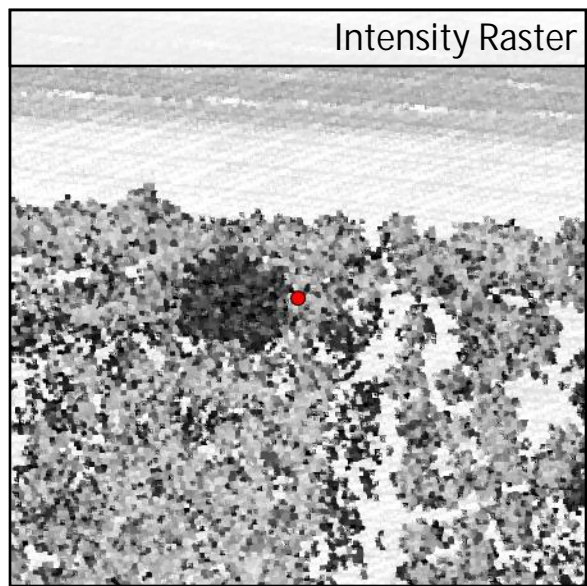
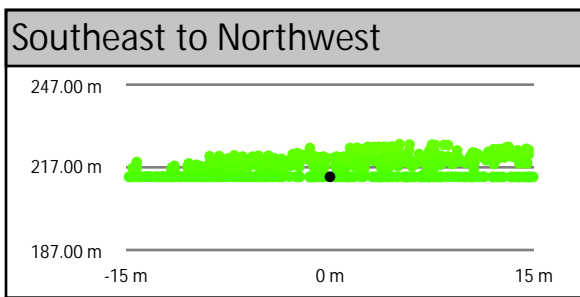
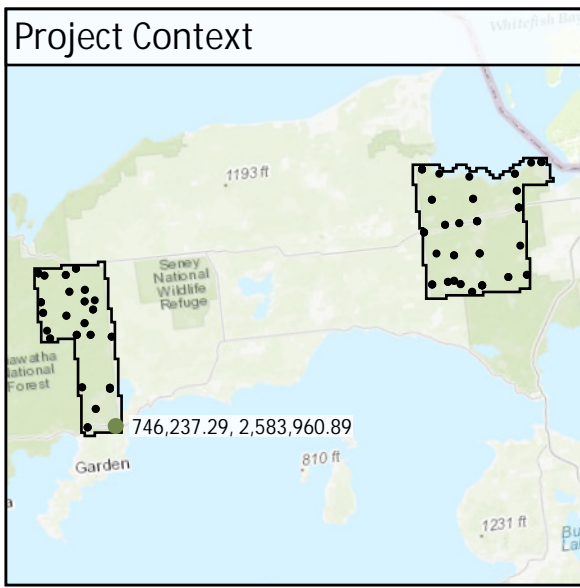
VVA - FO32

FO33	Known Z	188.16 m	Point Density	3.11 ppsm
	DEM Dz	0.08 m	Ground Density	7.89 ppsm
	All Points TIN Dz	N/A	Slope	1.49°



VVA - FO33
DEM Dz +0.08 m

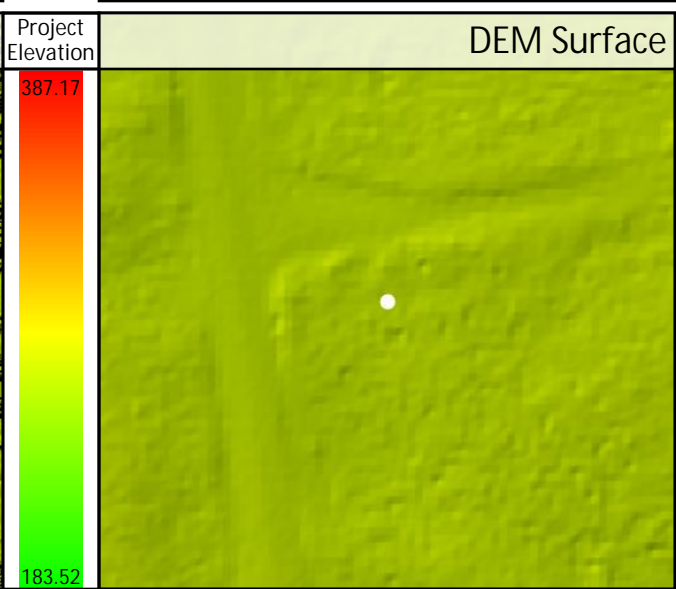
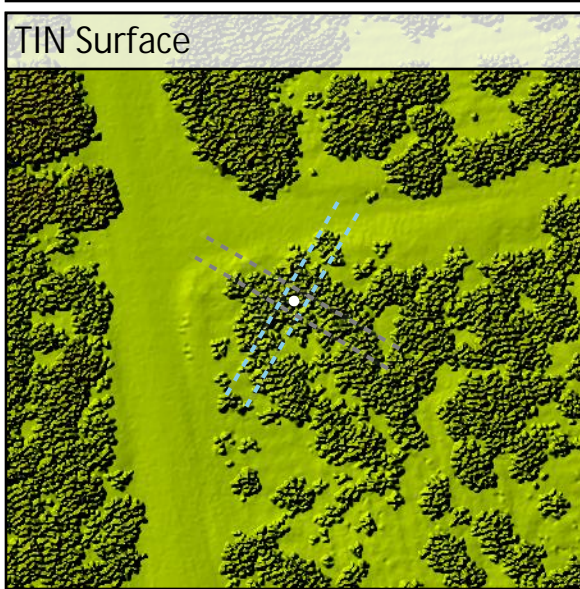
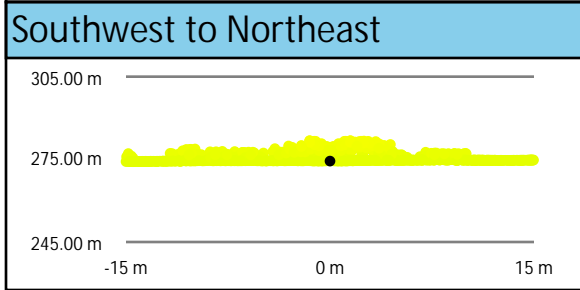
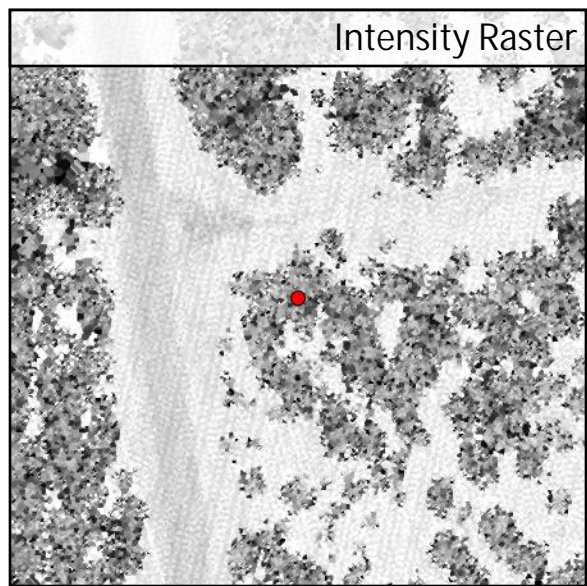
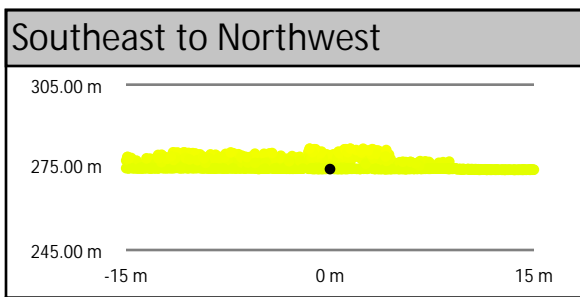
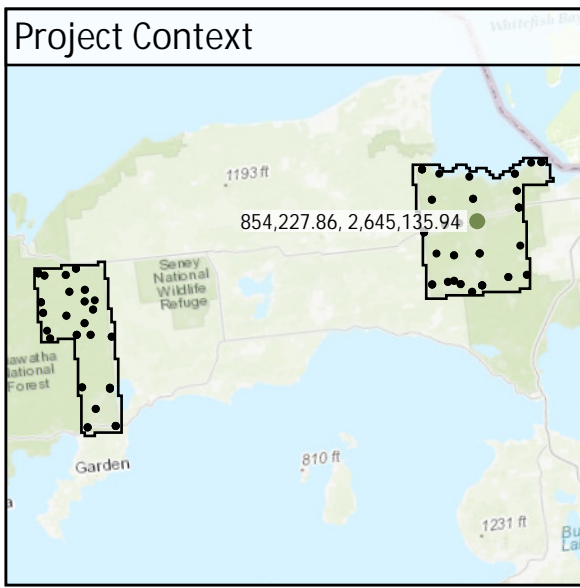
SH01	Known Z	213.56 m	Point Density	2.48 ppsm
	DEM Dz	0.02 m	Ground Density	5.52 ppsm
	All Points TIN Dz	N/A	Slope	1.07 °



DEM Dz +0.02 m

VVA - SH01

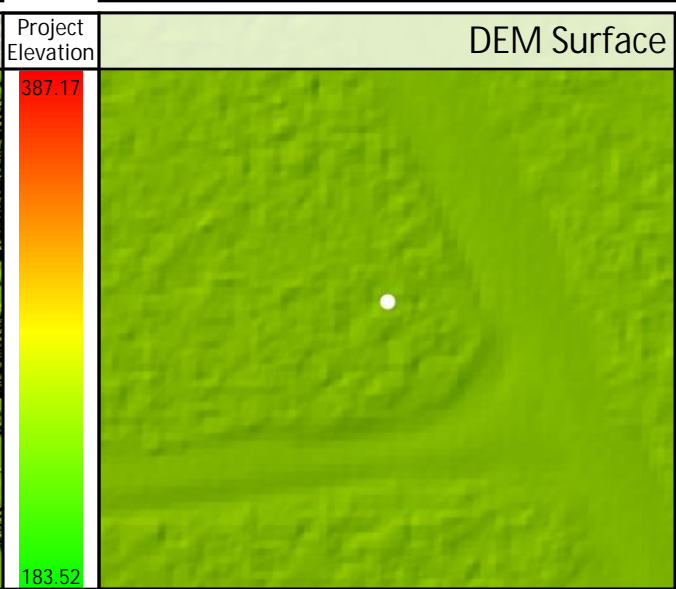
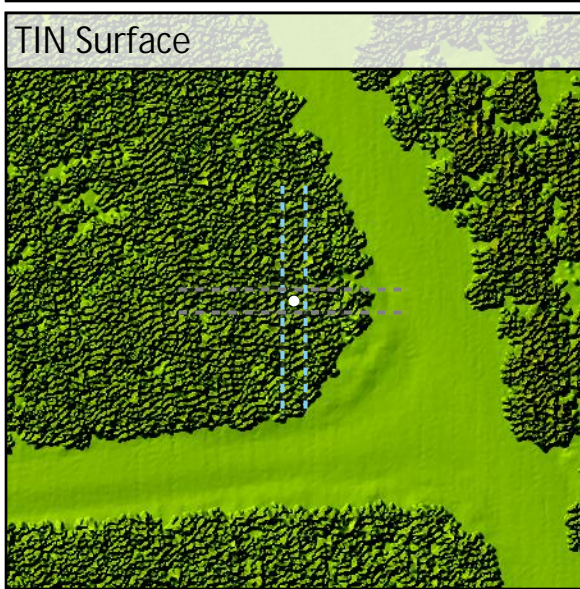
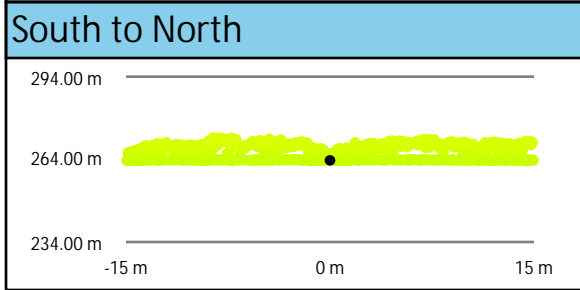
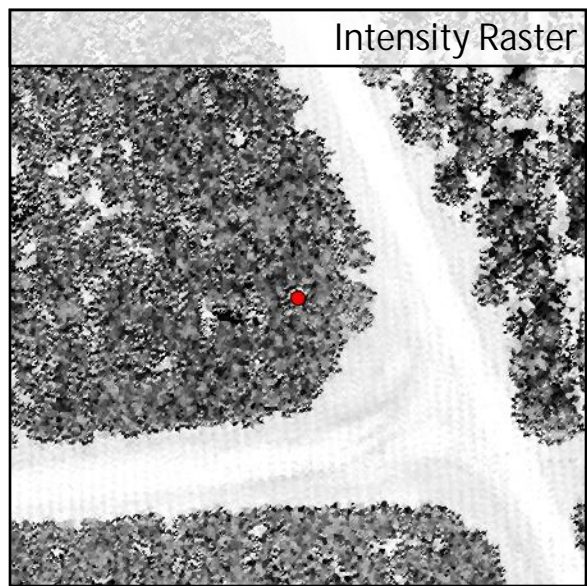
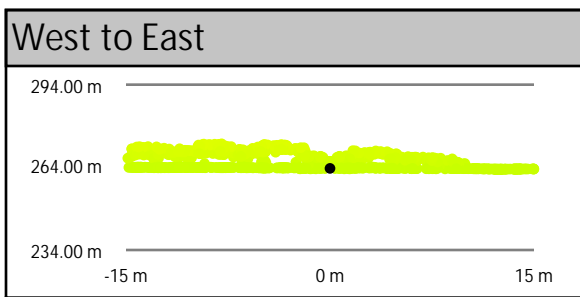
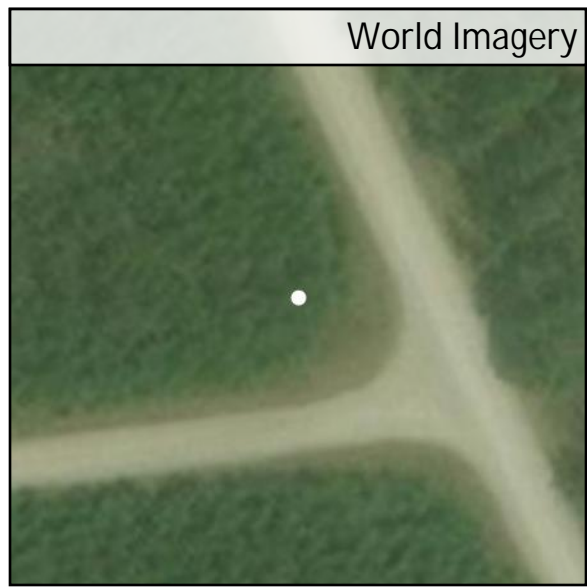
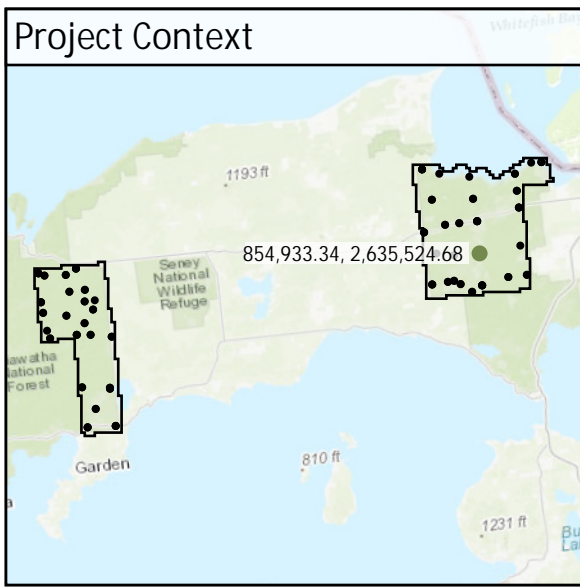
SH02	Known Z	274.36 m	Point Density	5.59 ppsm
	DEM Dz	0.09 m	Ground Density	10.50 ppsm
	All Points TIN Dz	N/A	Slope	1.16 °



DEM Dz +0.09 m

VVA - SH02

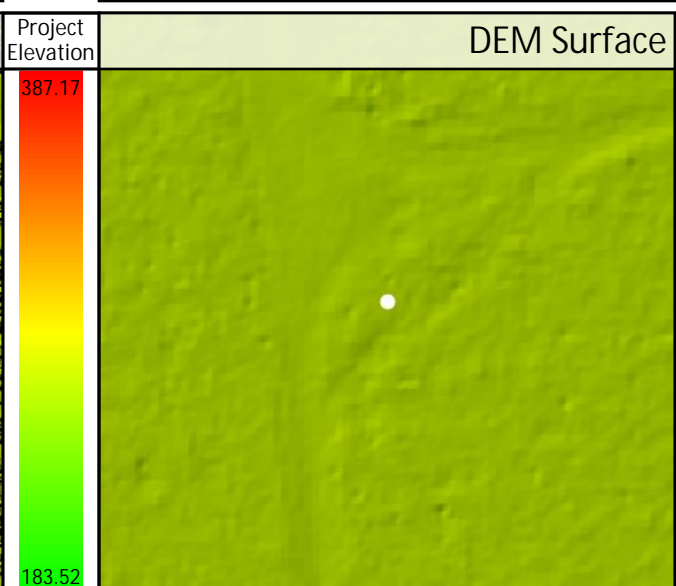
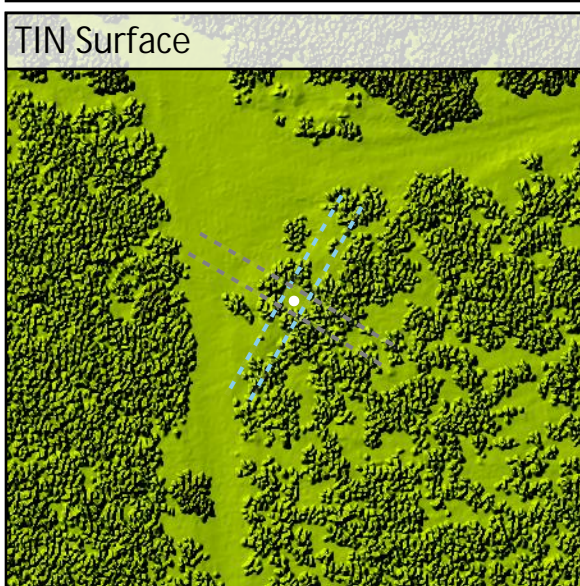
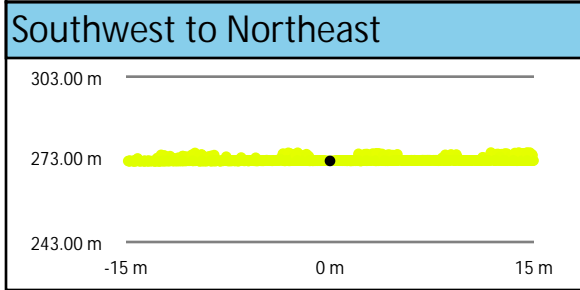
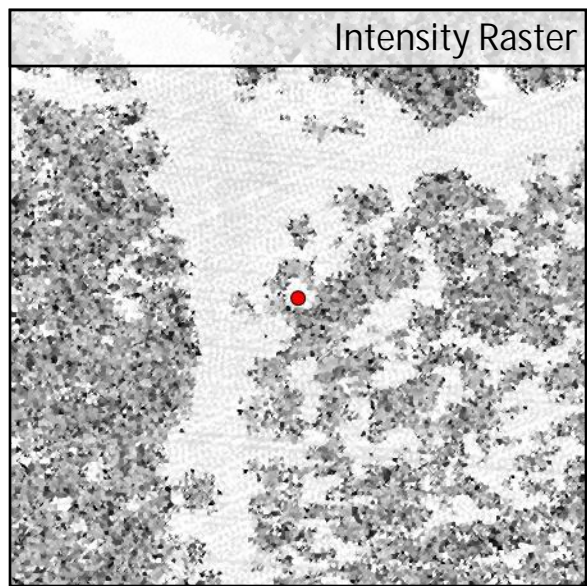
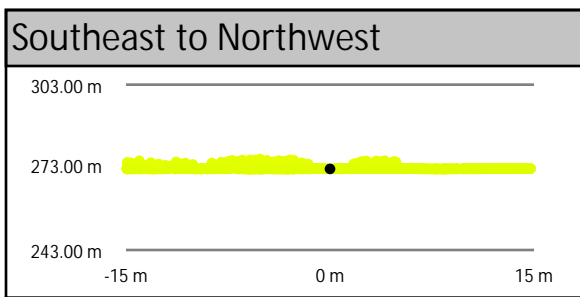
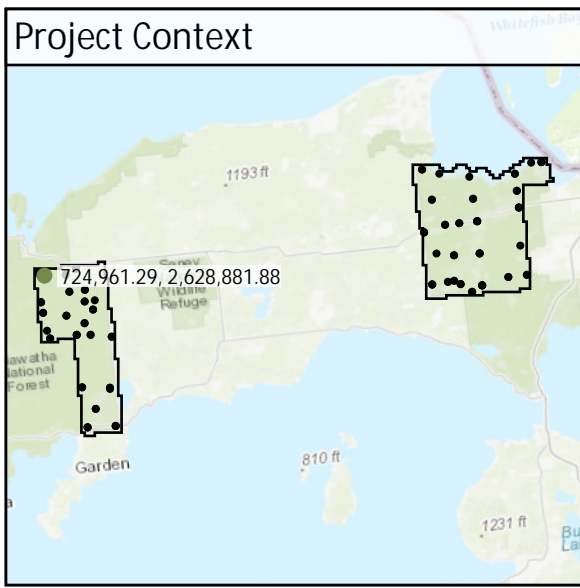
SH03	Known Z	263.62 m	Point Density	7.67 ppsm
	DEM Dz	0.11 m	Ground Density	10.57 ppsm
	All Points TIN Dz	N/A	Slope	1.30 °



DEM Dz +0.11 m

VVA - SH03

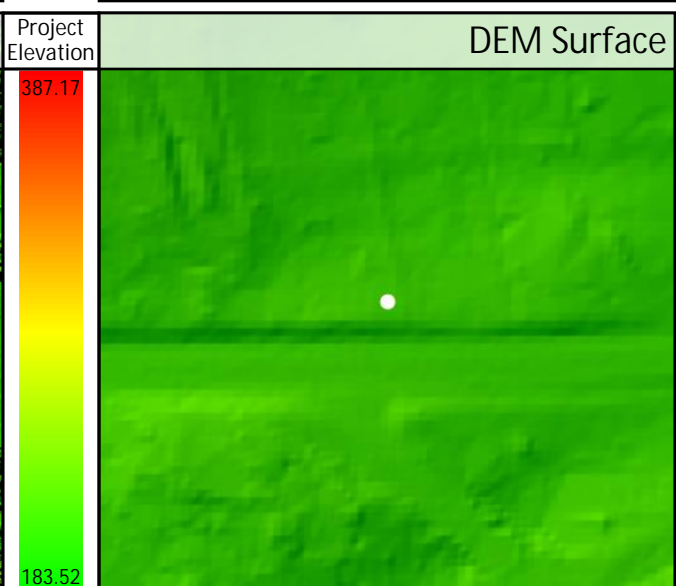
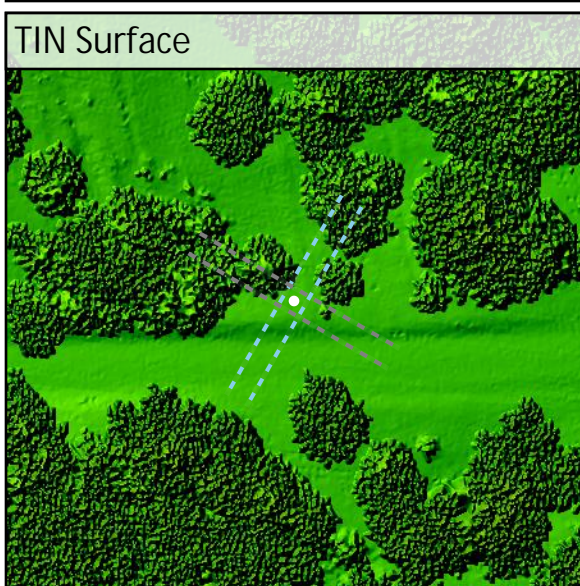
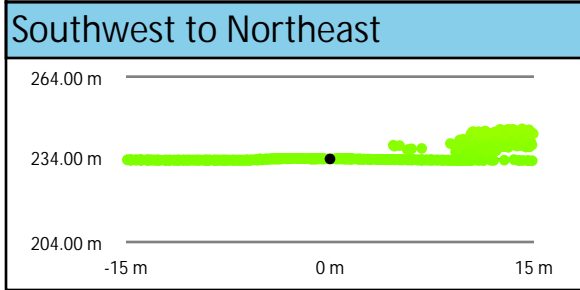
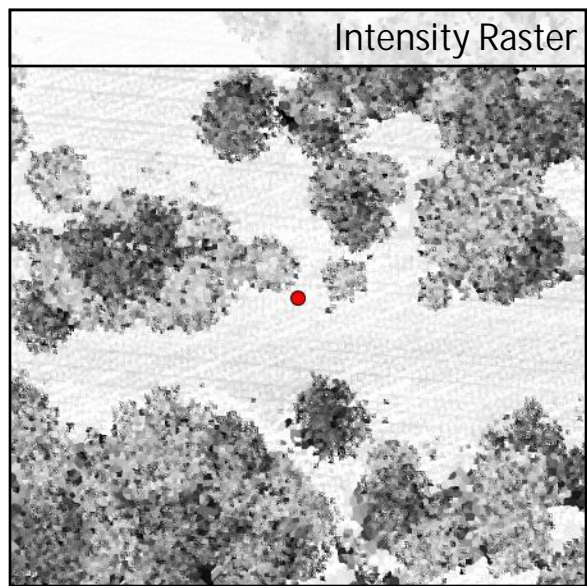
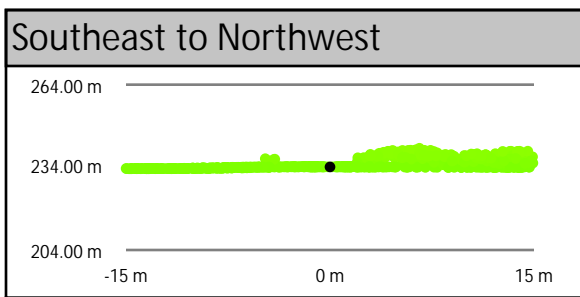
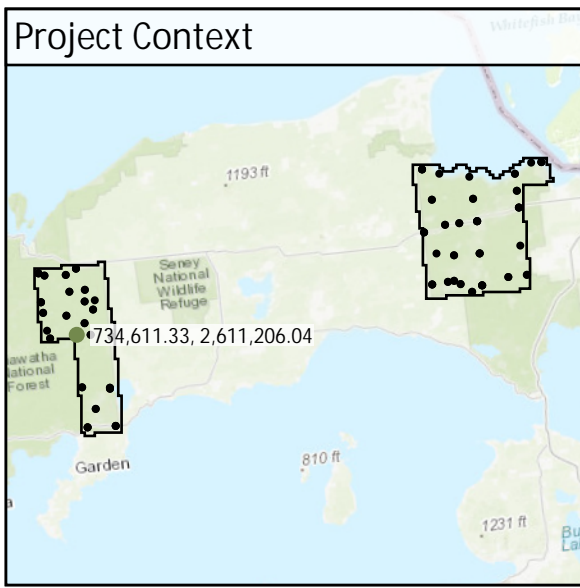
TW01	Known Z	272.42 m	Point Density	5.20 ppsm
	DEM Dz	0.09 m	Ground Density	7.71 ppsm
	All Points TIN Dz	N/A	Slope	1.66 °



DEM Dz +0.09 m

VWA - TW01

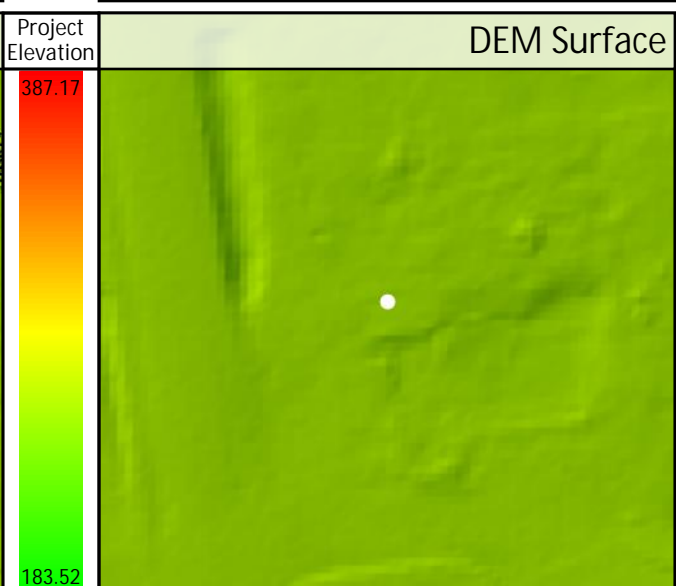
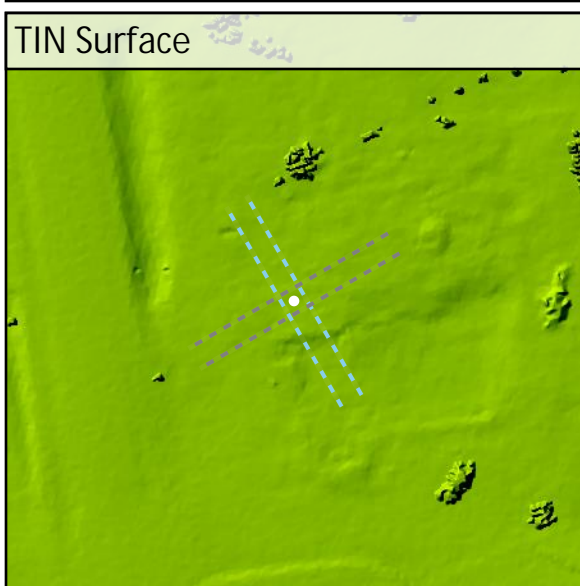
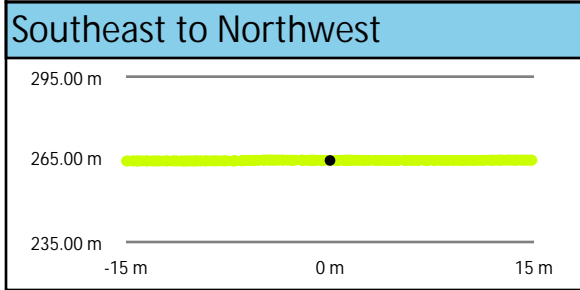
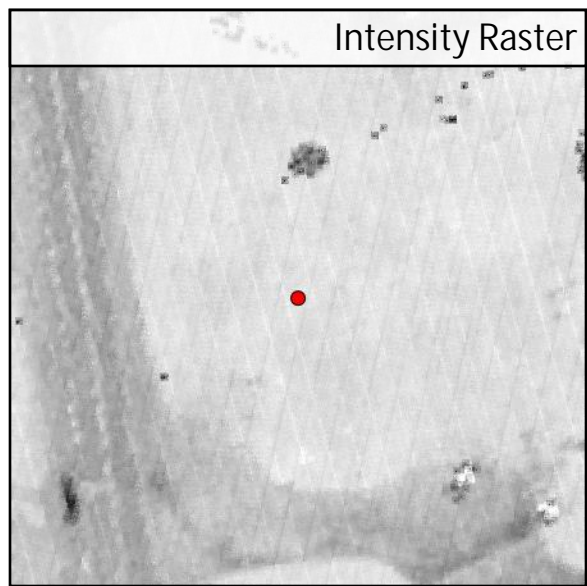
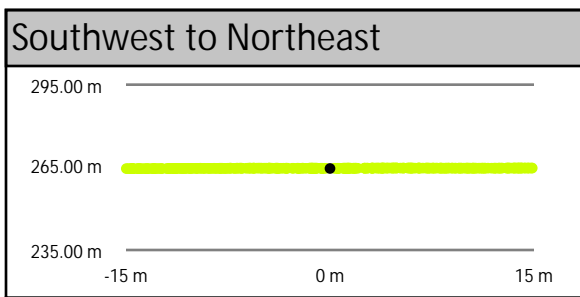
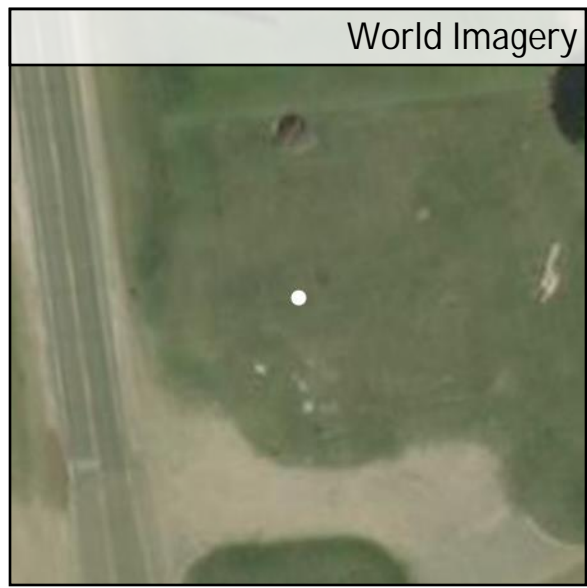
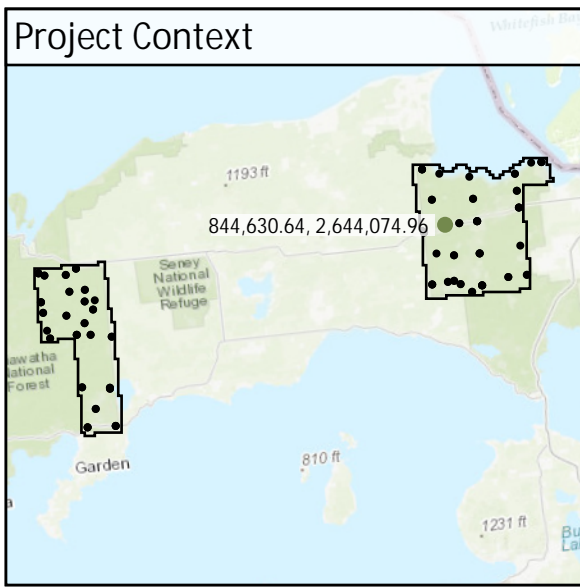
TW02	Known Z	234.14 m	Point Density	4.85 ppsm
	DEM Dz	0.04 m	Ground Density	5.41 ppsm
	All Points TIN Dz	N/A	Slope	3.18 °



DEM Dz +0.04 m

VWA - TW02

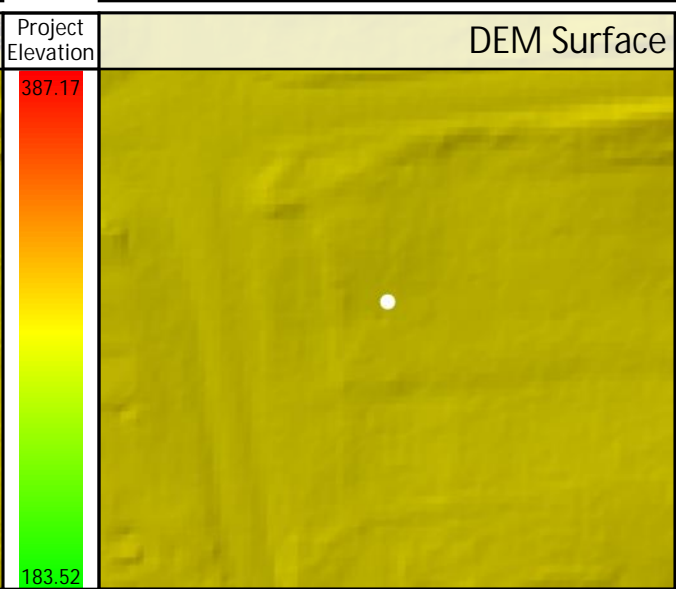
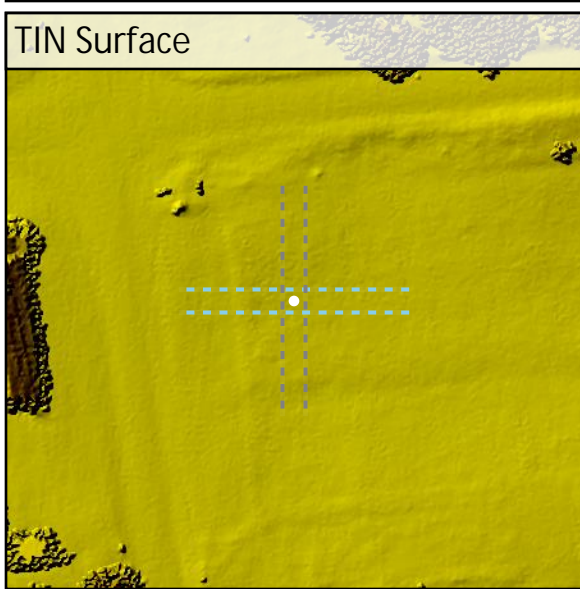
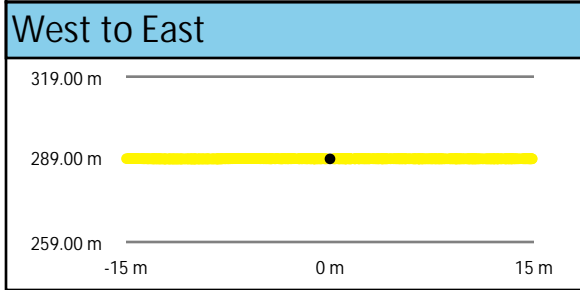
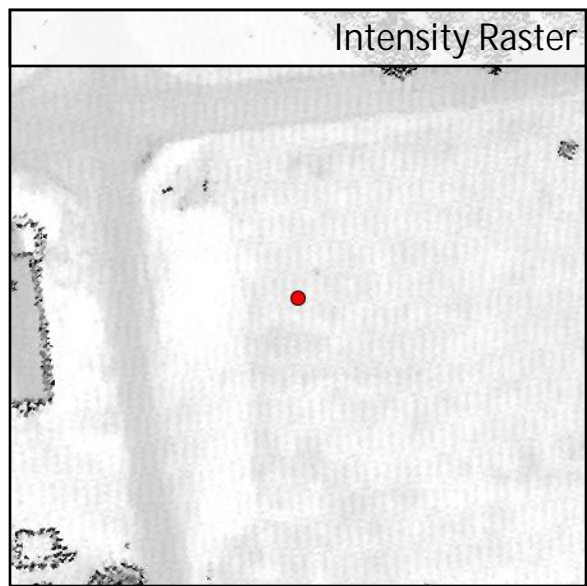
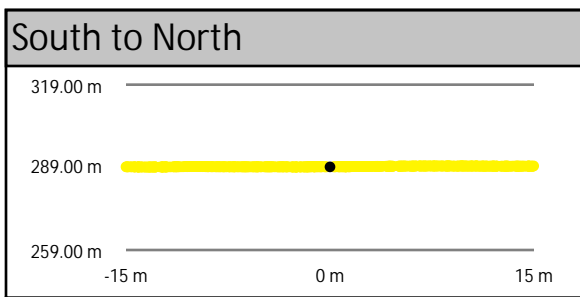
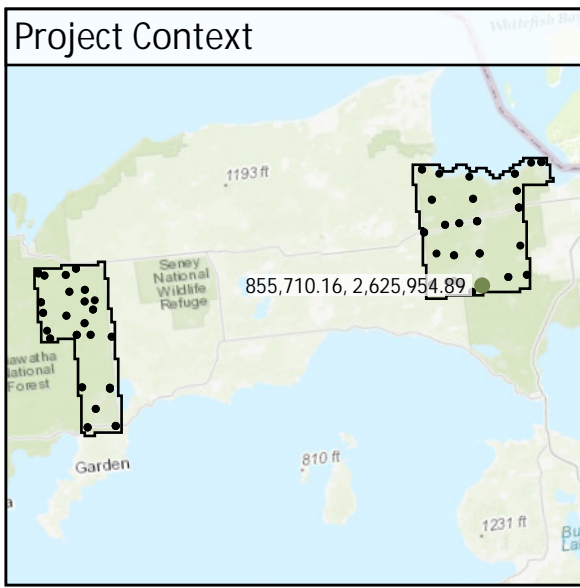
TW03	Known Z	264.58 m	Point Density	2.76 ppsm
	DEM Dz	0.08 m	Ground Density	2.76 ppsm
	All Points TIN Dz	N/A	Slope	0.15 °



DEM Dz +0.08 m

VVA - TW03

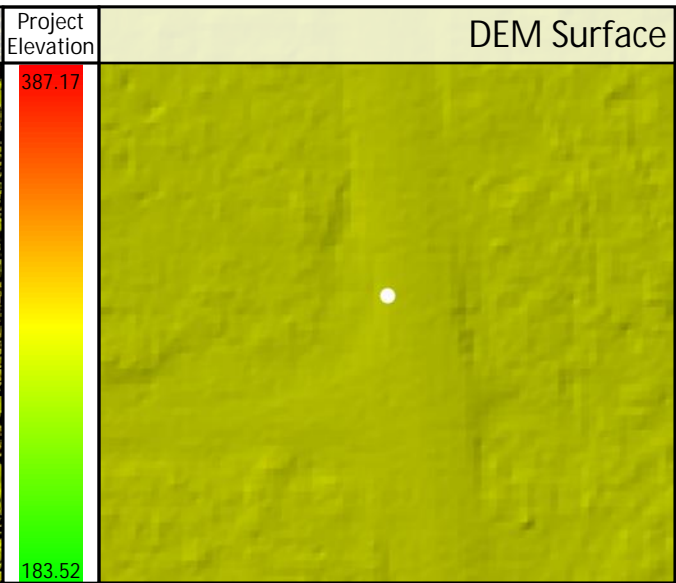
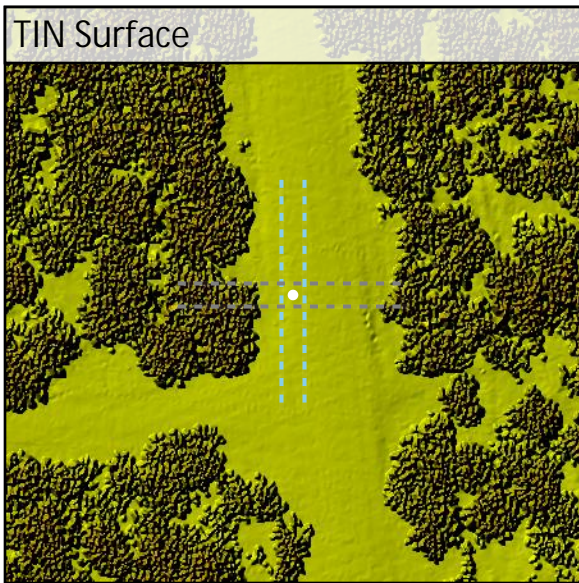
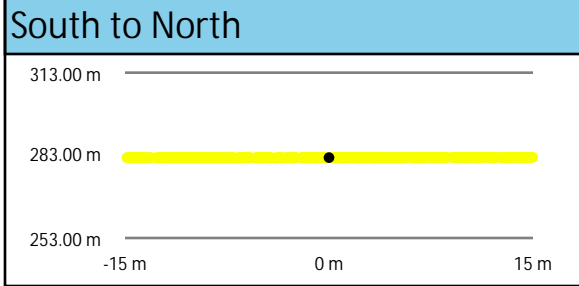
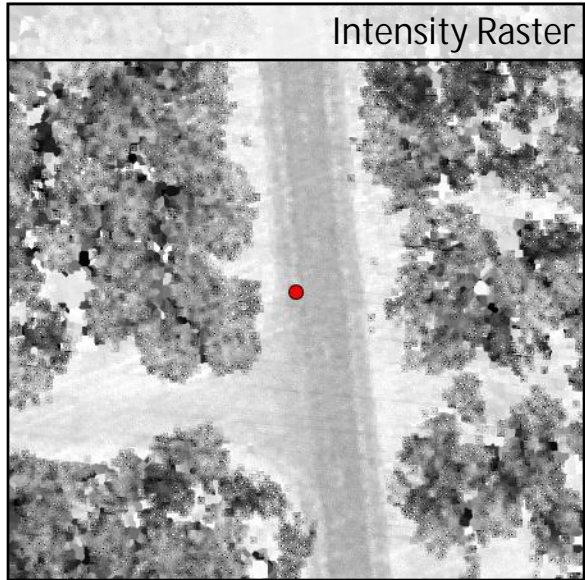
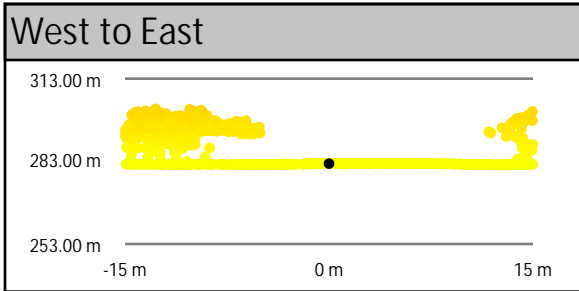
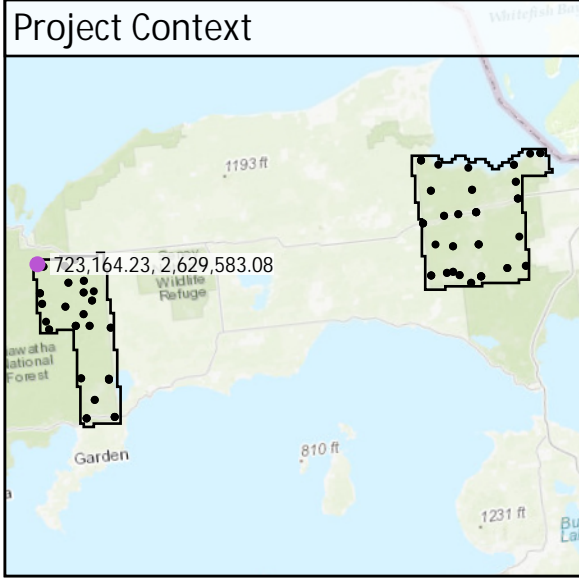
TW04	Known Z	289.17 m	Point Density	6.44 ppsm
	DEM Dz	0.03 m	Ground Density	6.44 ppsm
	All Points TIN Dz	N/A	Slope	2.06 °



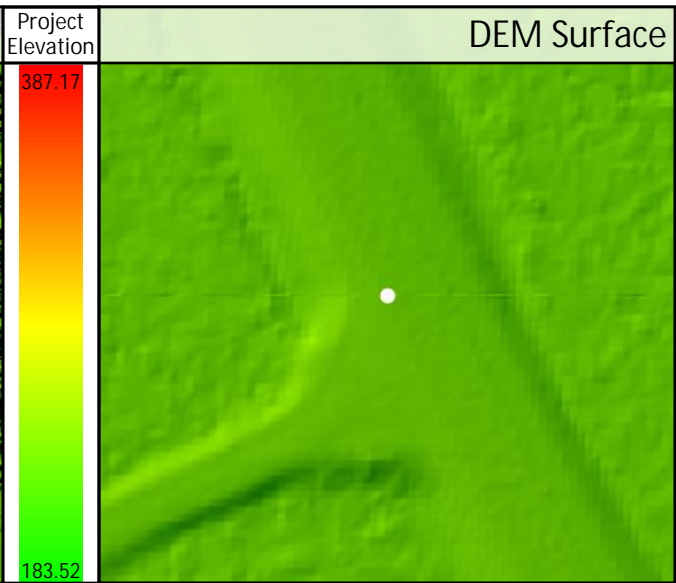
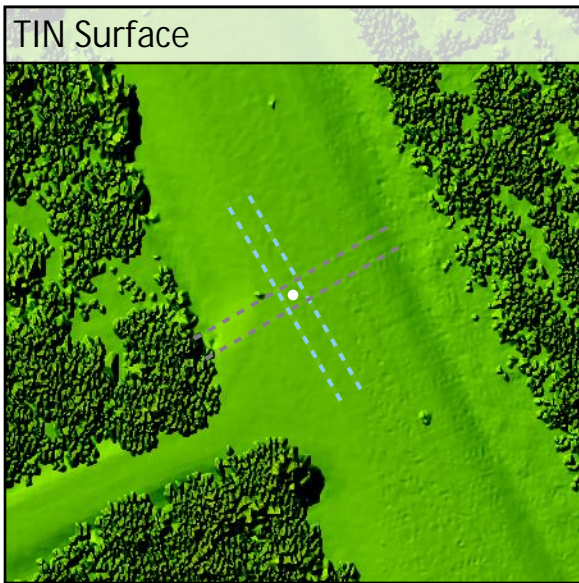
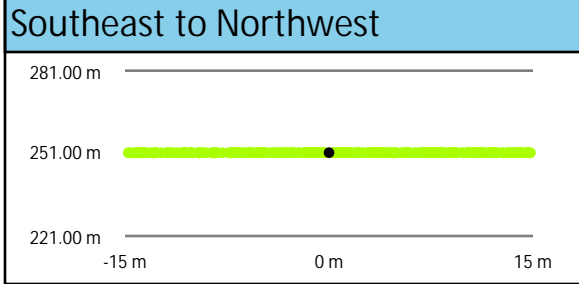
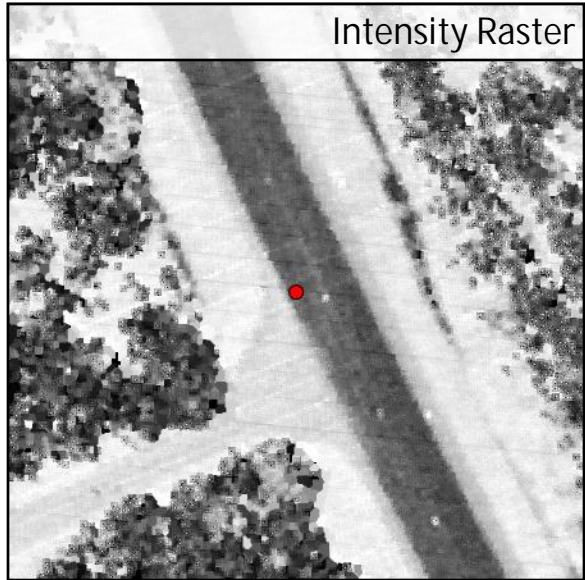
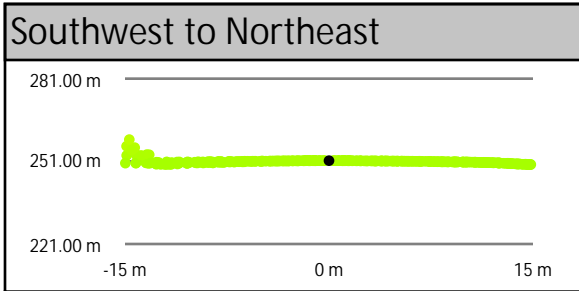
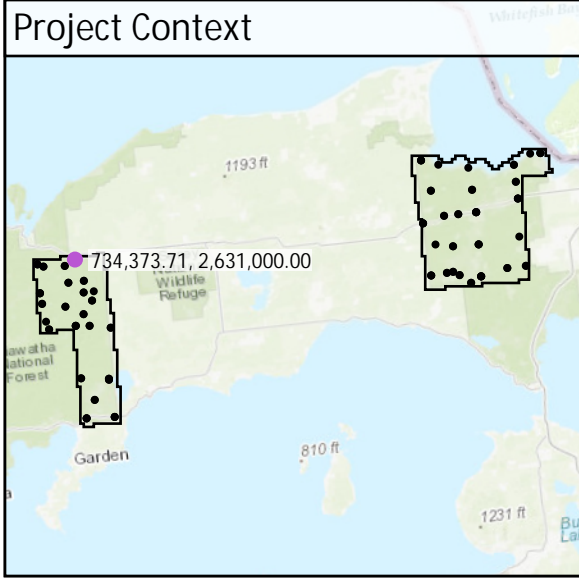
DEM Dz +0.03 m

VVA - TW04

CA01	Known Z	282.17 m	Point Density	3.25 ppsm
	DEM Dz	0.01 m	Ground Density	3.89 ppsm
	All Points TIN Dz	0.03 m	Slope	4.40 °



CA02	Known Z	251.24 m	Point Density	2.69 ppsm
	DEM Dz	0.00 m	Ground Density	2.69 ppsm
	All Points TIN Dz	0.00 m	Slope	1.11 °

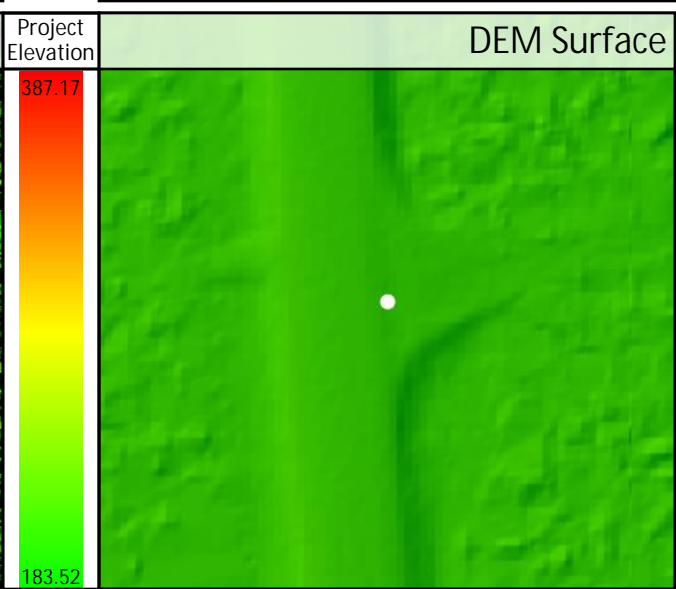
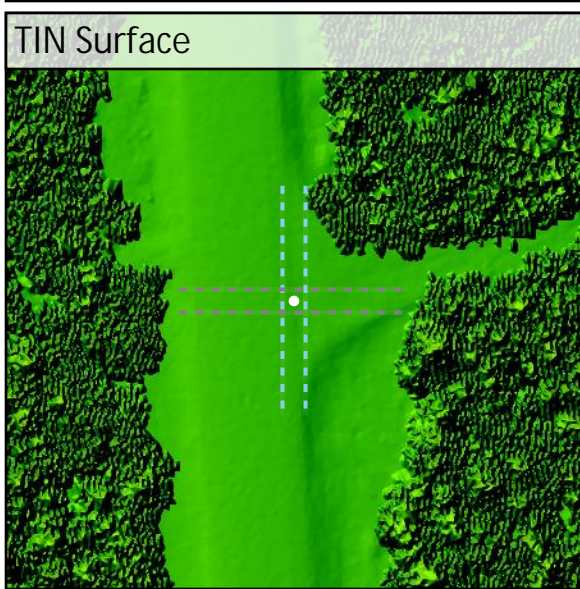
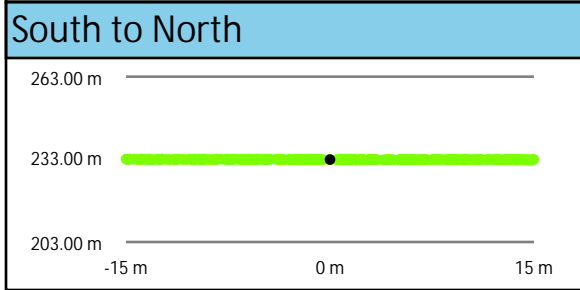
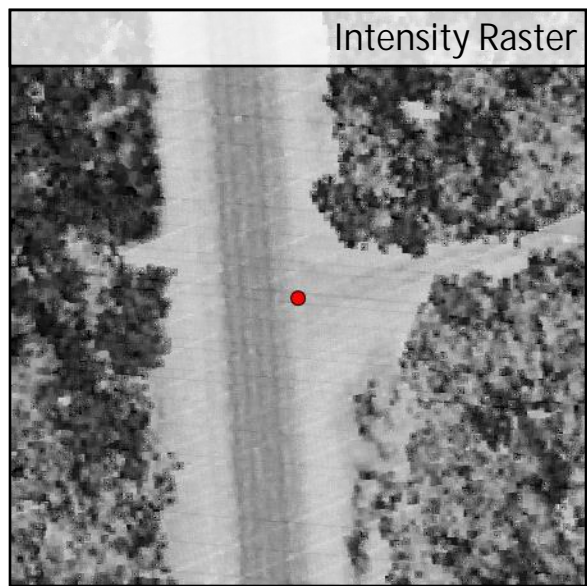
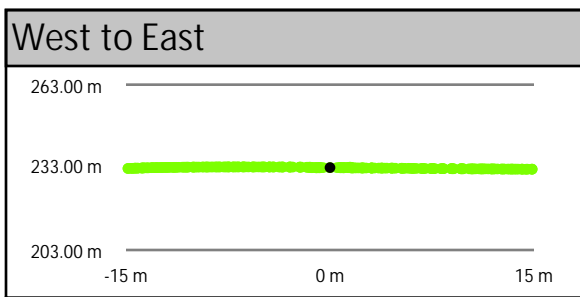
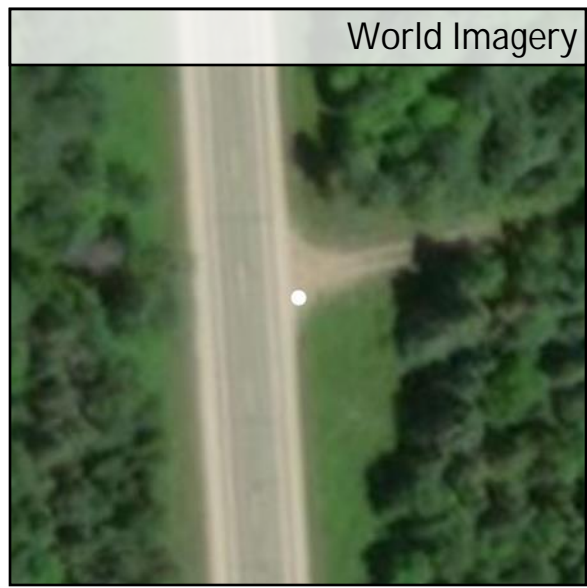
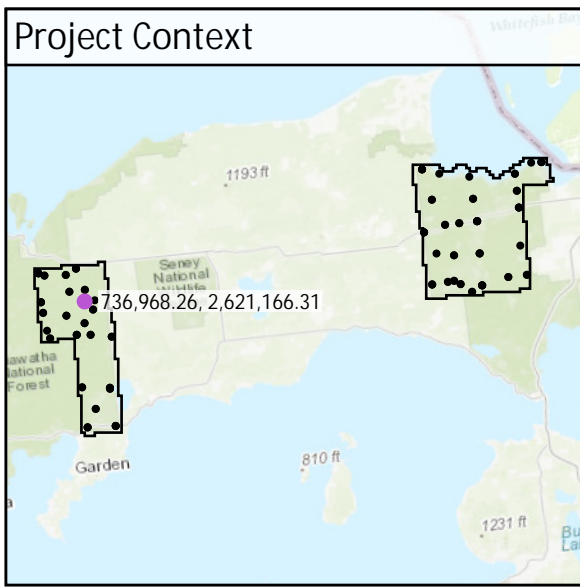


DEM Dz 0.00 m

CAL - CA02

All Points TIN Dz +0.00 m

CA03	Known Z	232.91 m	Point Density	2.90 ppsm
	DEM Dz	-0.01 m	Ground Density	2.90 ppsm
	All Points TIN Dz	-0.02 m	Slope	5.24 °

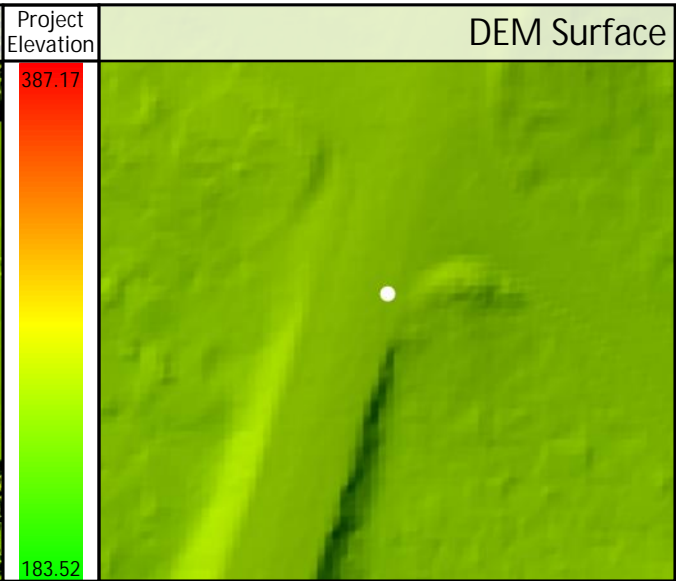
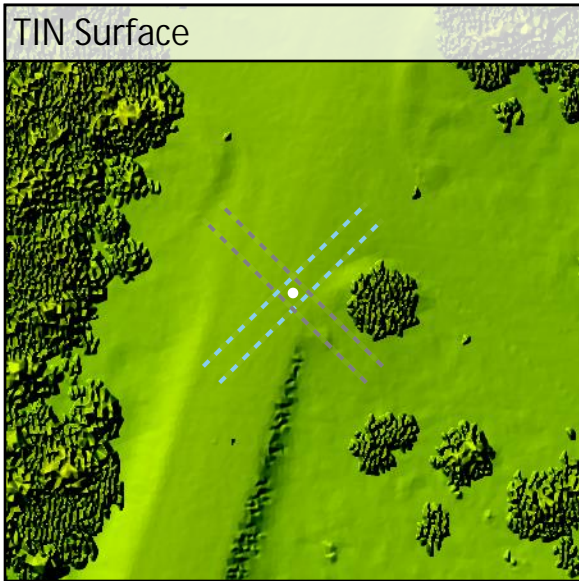
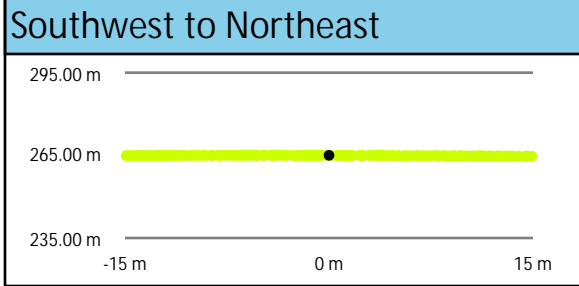
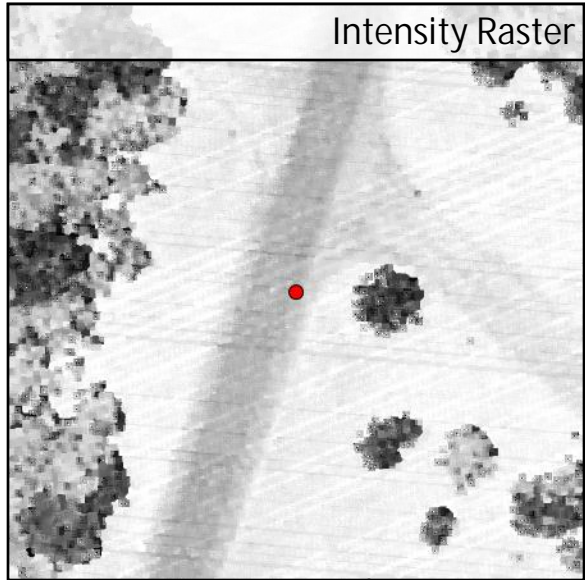
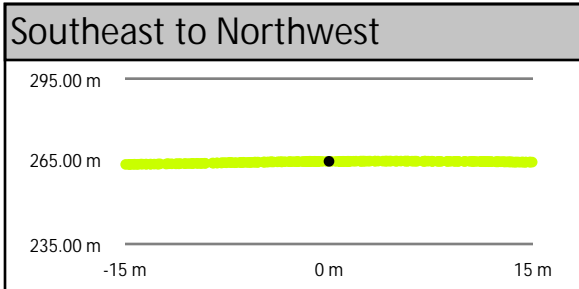
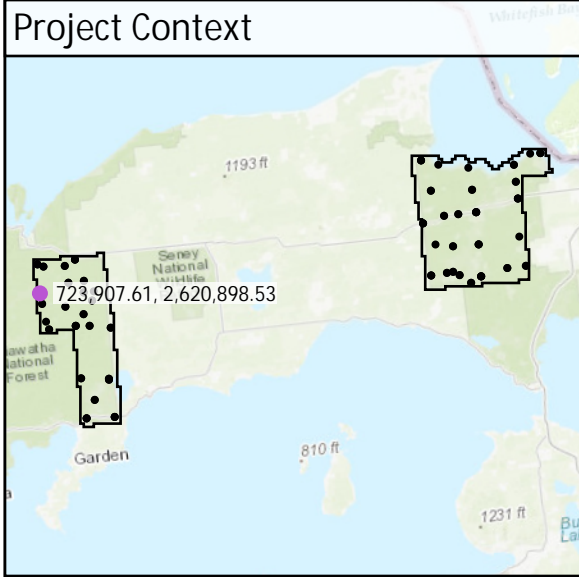


DEM Dz -0.01 m

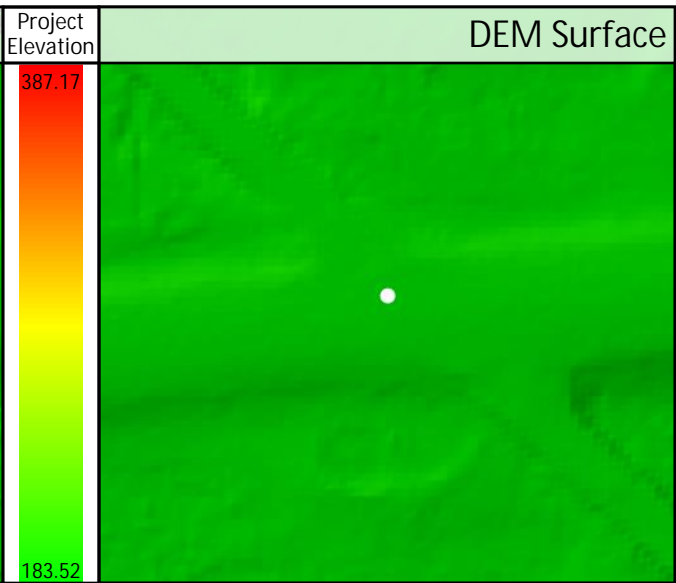
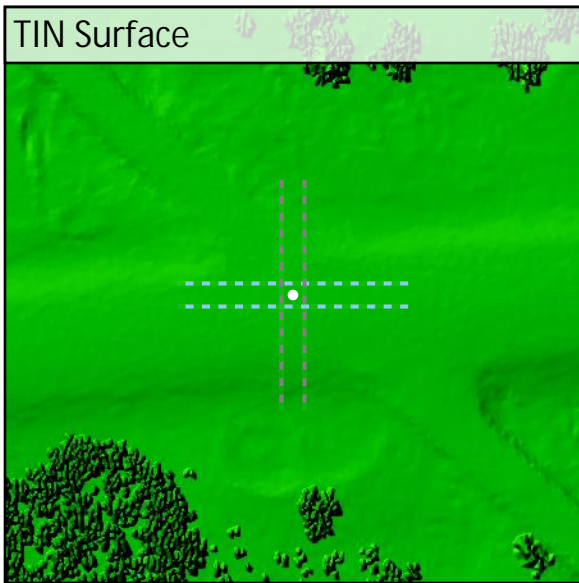
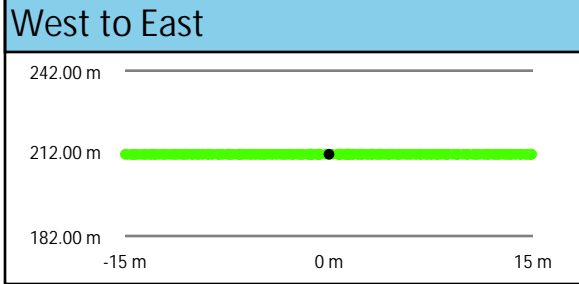
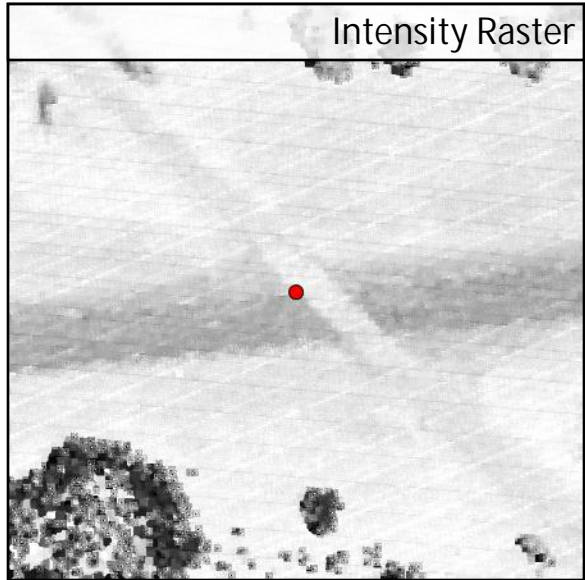
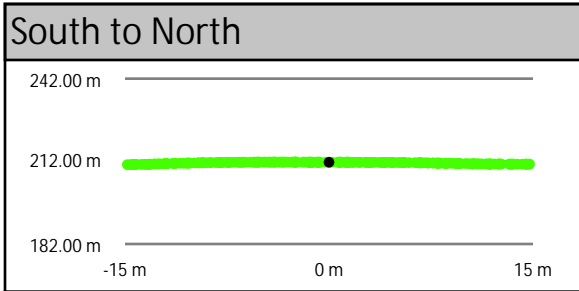
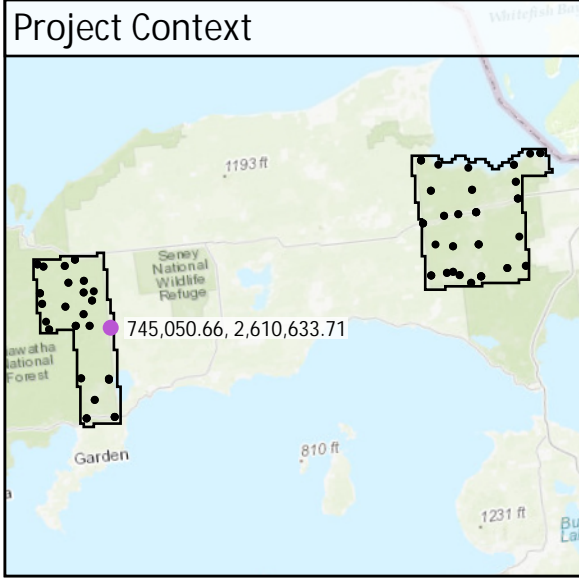
CAL - CA03

All Points TIN Dz -0.02 m

CA04	Known Z	265.00 m	Point Density	2.30 ppsm
	DEM Dz	-0.02 m	Ground Density	2.30 ppsm
	All Points TIN Dz	-0.01 m	Slope	2.14 °



CA05	Known Z	211.67 m	Point Density	2.69 ppsm
	DEM Dz	0.02 m	Ground Density	2.69 ppsm
	All Points TIN Dz	0.02 m	Slope	0.89 °

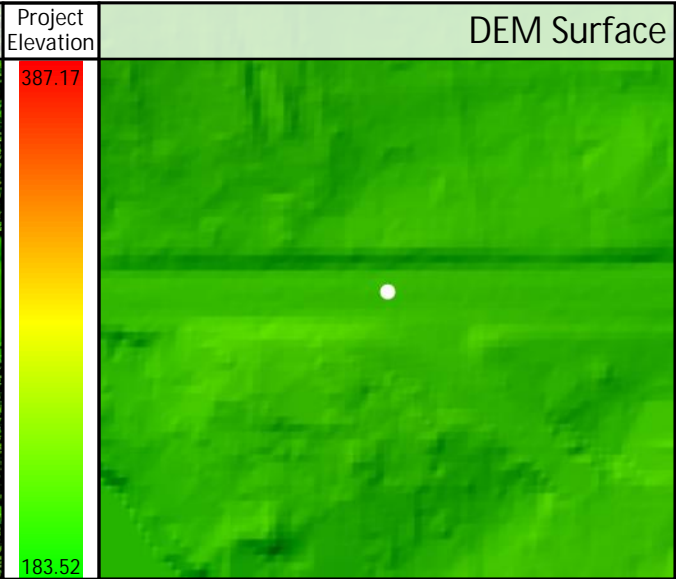
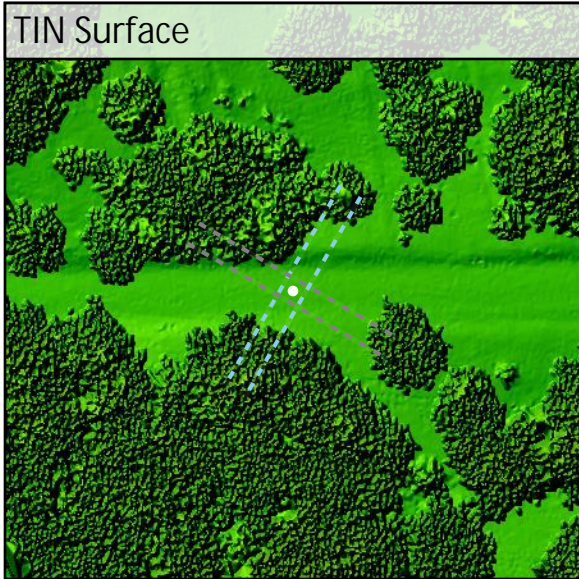
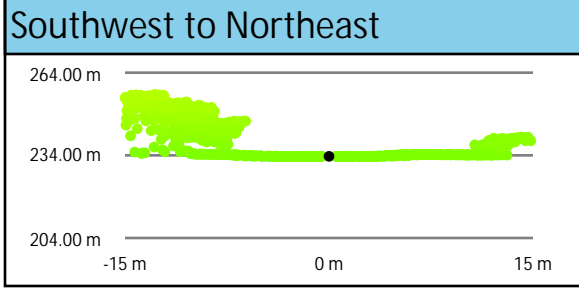
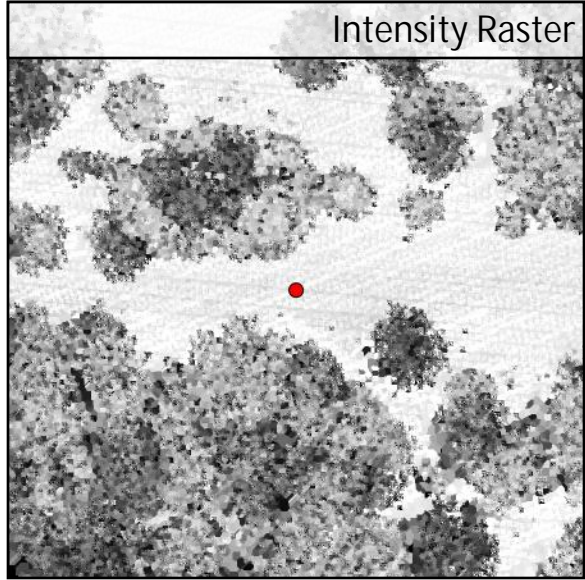
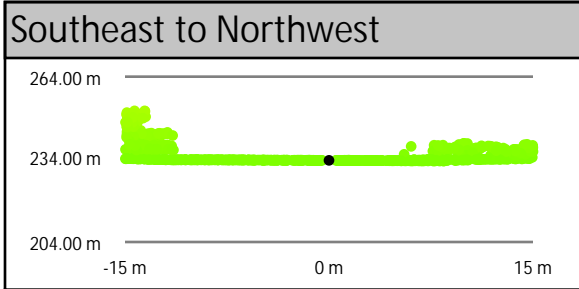
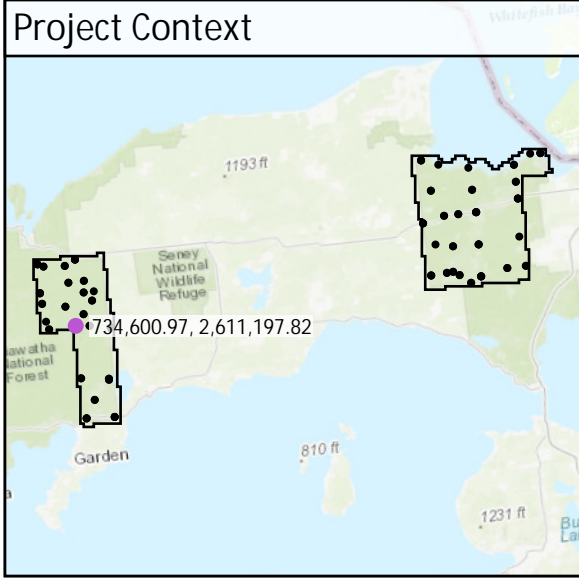


DEM Dz +0.02 m

CAL - CA05

All Points TIN Dz +0.02 m

CA06	Known Z	233.63 m	Point Density	4.88 ppsm
	DEM Dz	0.00 m	Ground Density	5.06 ppsm
	All Points TIN Dz	0.00 m	Slope	1.15 °



DEM Dz +0.00 m

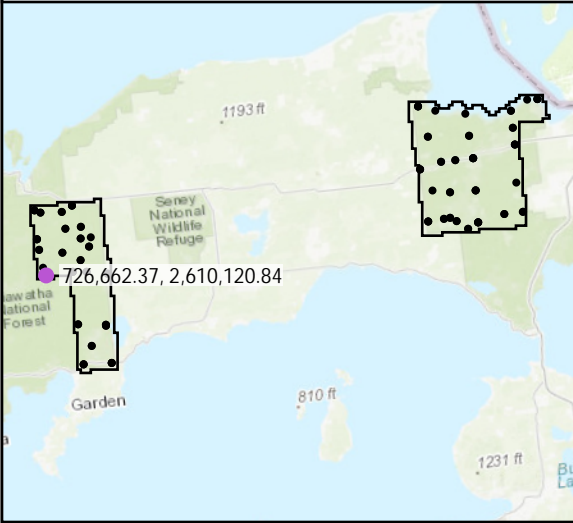
CAL - CA06

All Points TIN Dz +0.00 m

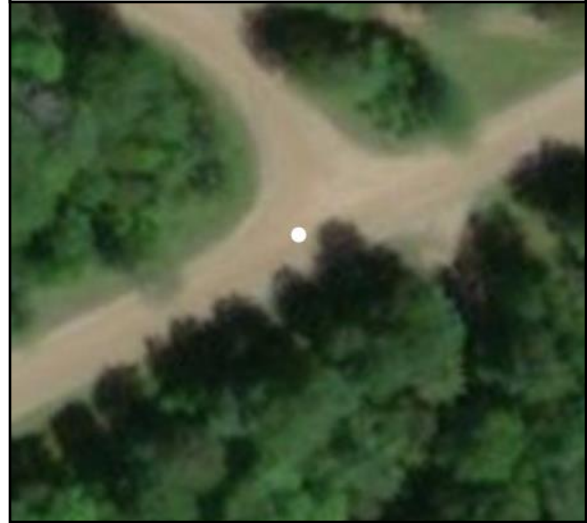
CA07

Known Z	239.85 m	Point Density	2.16 ppsm
DEM Dz	0.00 m	Ground Density	2.16 ppsm
All Points TIN Dz	-0.01 m	Slope	2.84 °

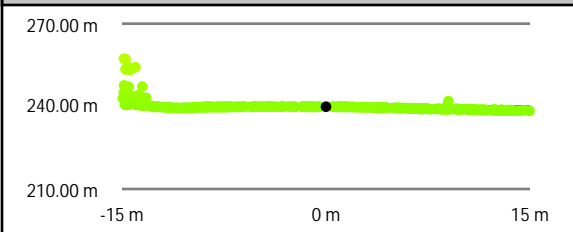
Project Context



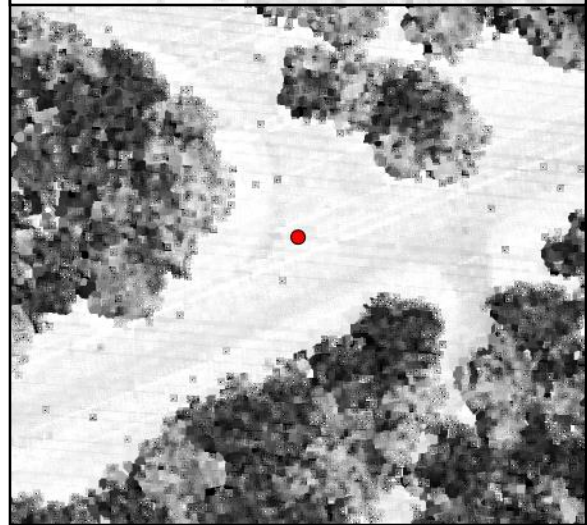
World Imagery



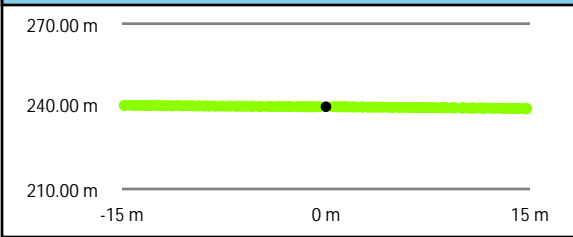
Southeast to Northwest



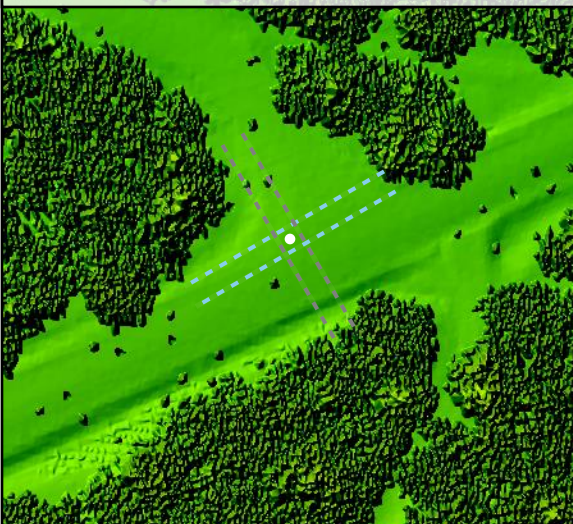
Intensity Raster



Southwest to Northeast



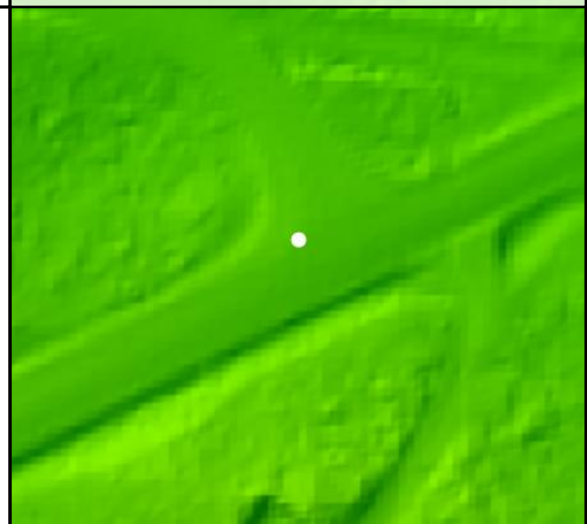
TIN Surface



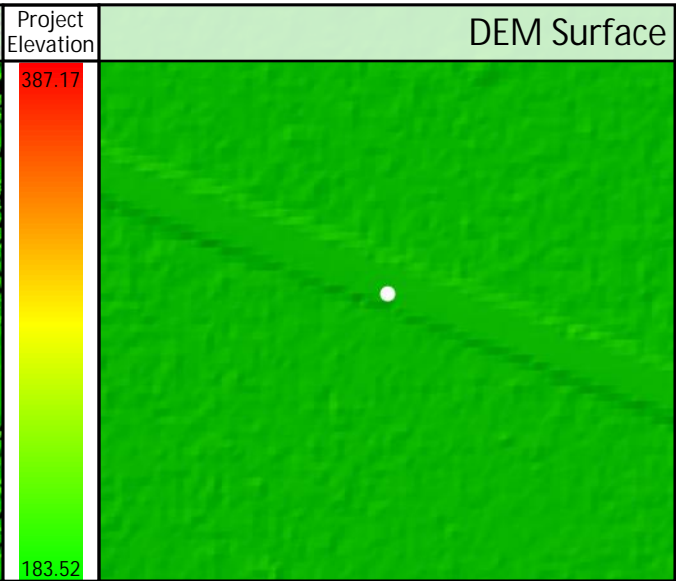
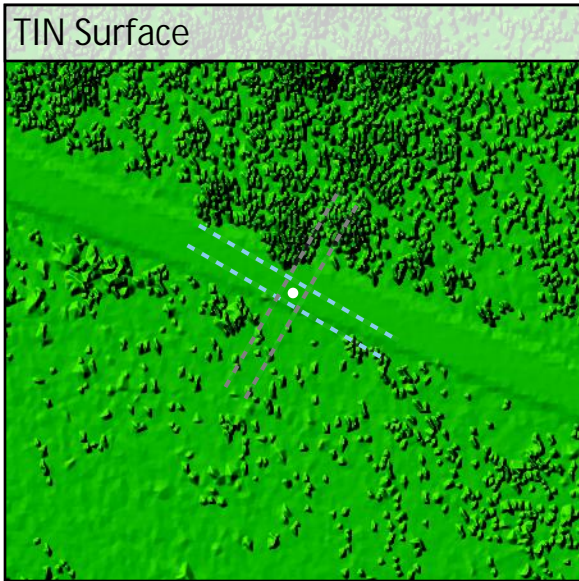
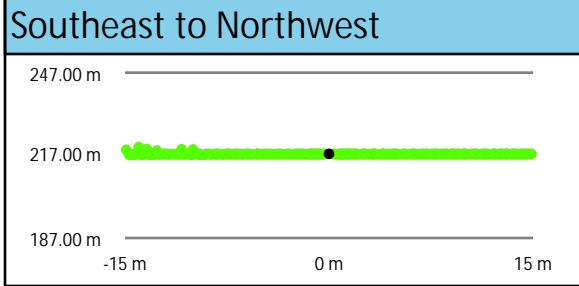
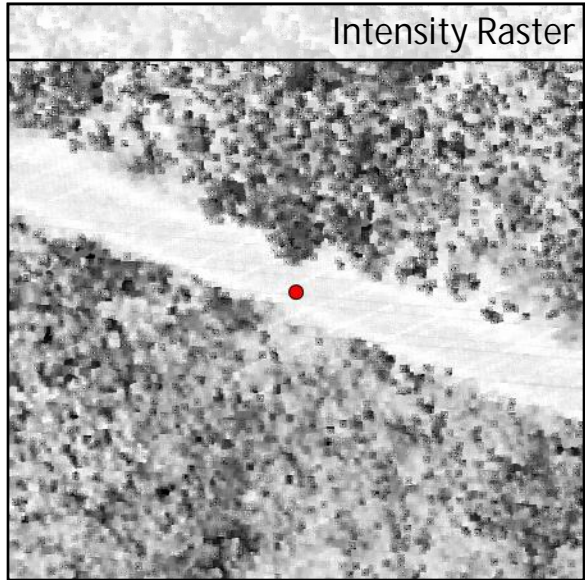
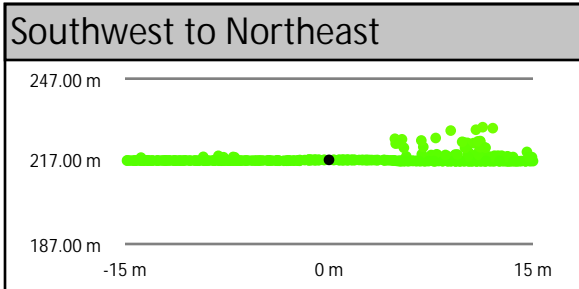
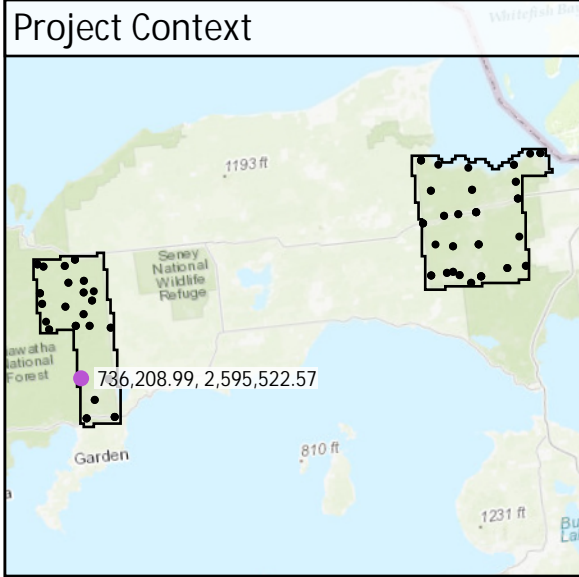
Project Elevation



DEM Surface



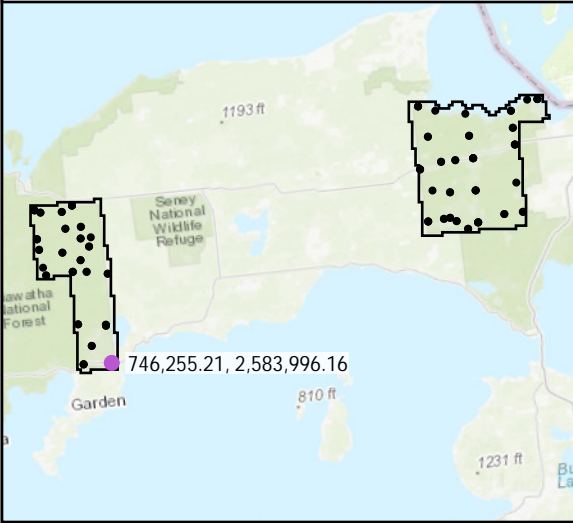
CA08	Known Z	217.53 m	Point Density	2.79 ppsm
	DEM Dz	-0.04 m	Ground Density	2.79 ppsm
	All Points TIN Dz	-0.03 m	Slope	0.68 °



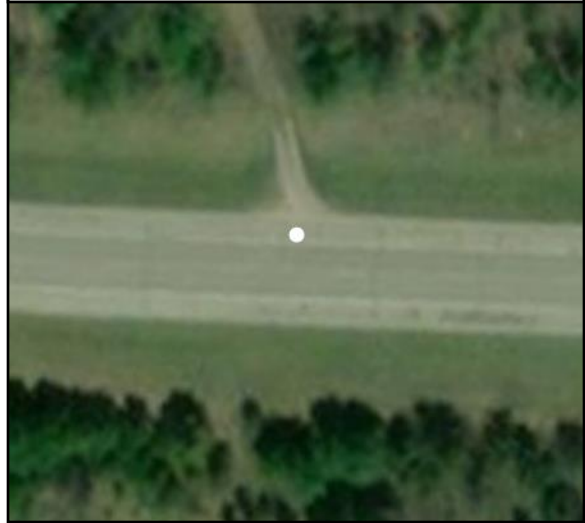
CA09

Known Z	214.12 m	Point Density	2.65 ppsm
DEM Dz	-0.01 m	Ground Density	2.65 ppsm
All Points TIN Dz	0.00 m	Slope	3.13 °

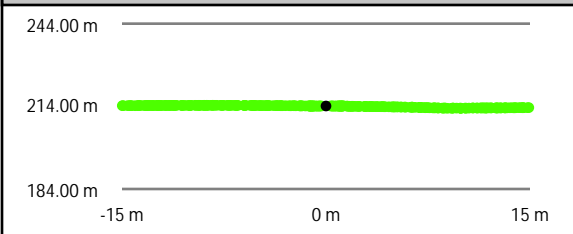
Project Context



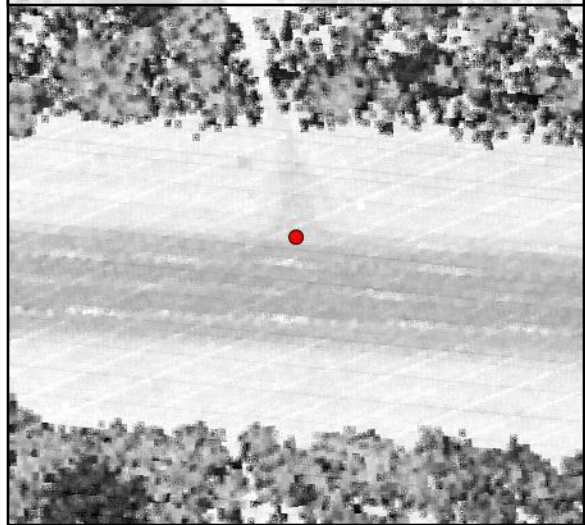
World Imagery



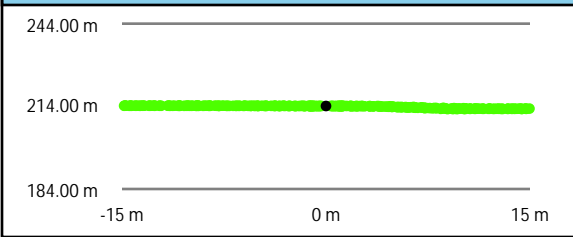
Southwest to Northeast



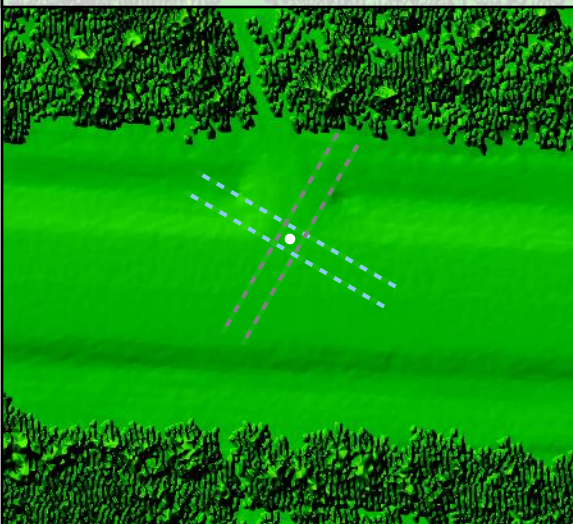
Intensity Raster



Southeast to Northwest



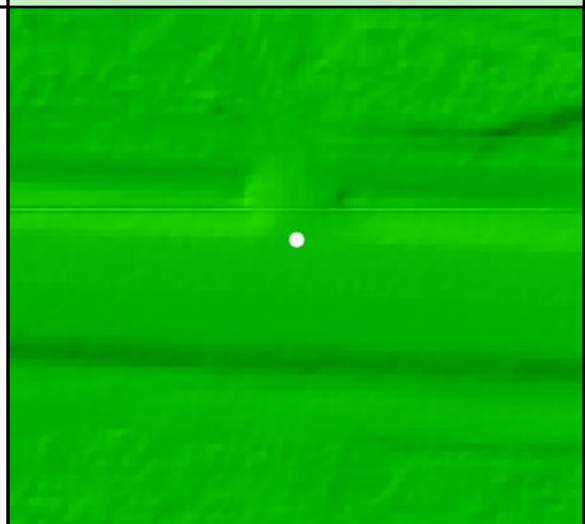
TIN Surface



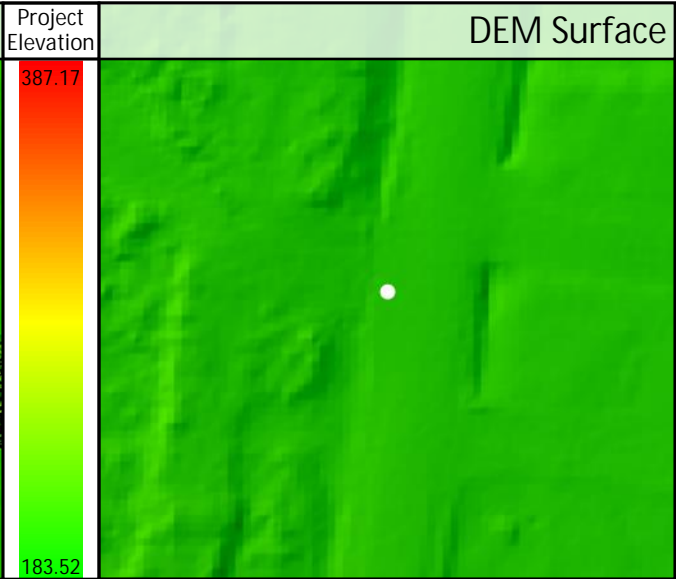
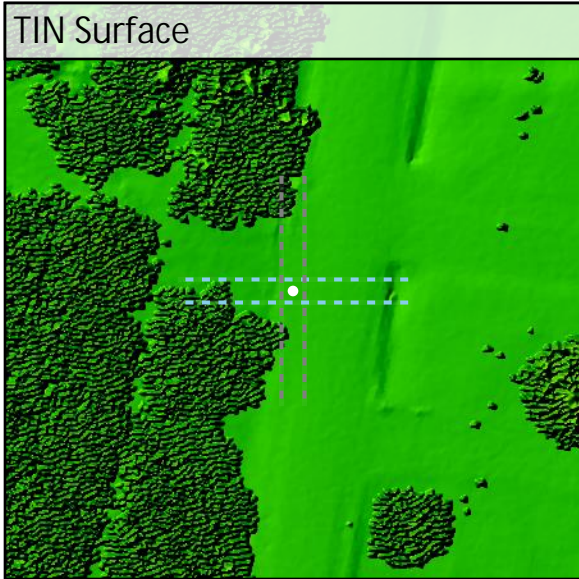
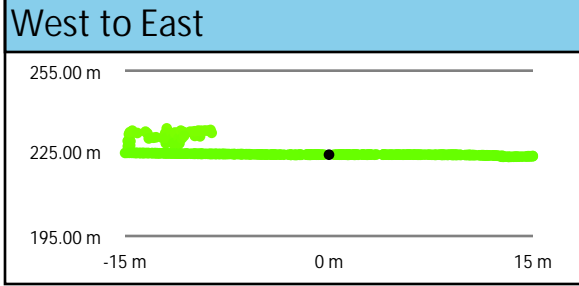
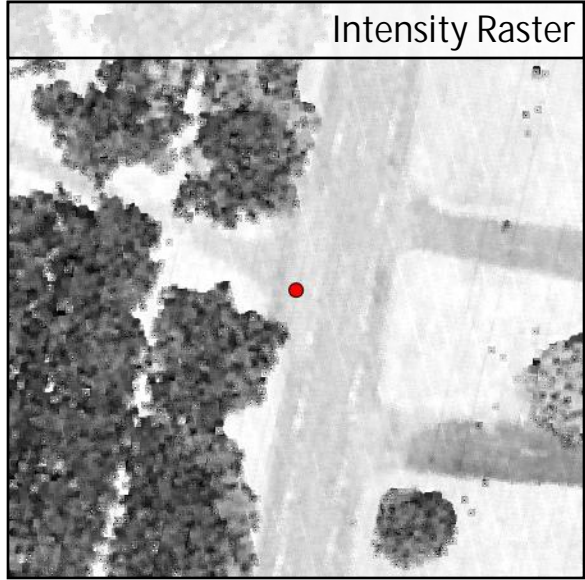
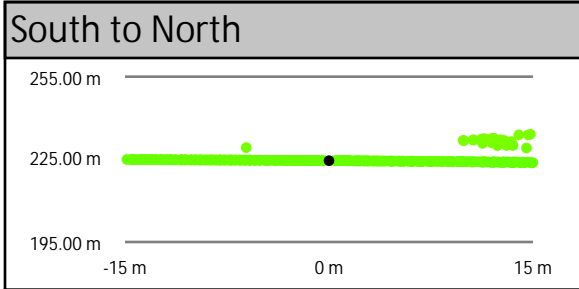
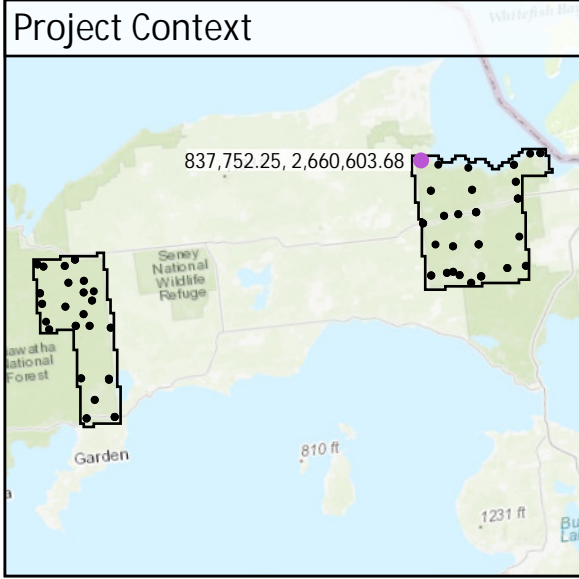
Project Elevation



DEM Surface



CA10	Known Z	224.51 m	Point Density	3.36 ppsm
	DEM Dz	0.01 m	Ground Density	3.36 ppsm
	All Points TIN Dz	0.01 m	Slope	1.71 °

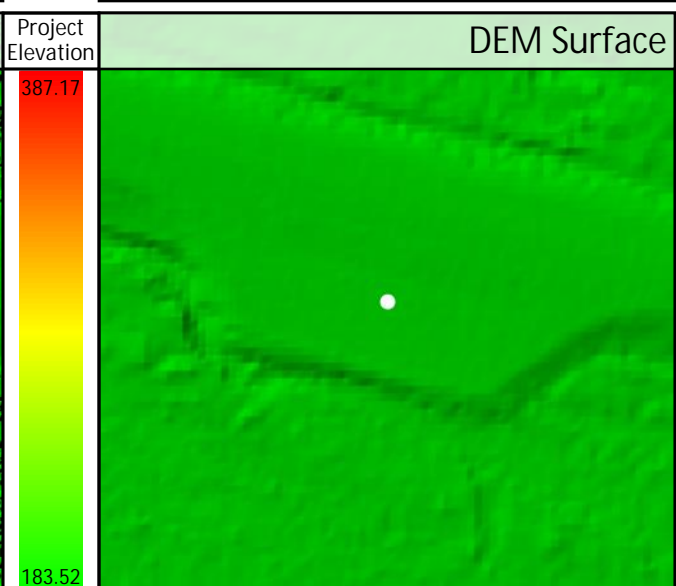
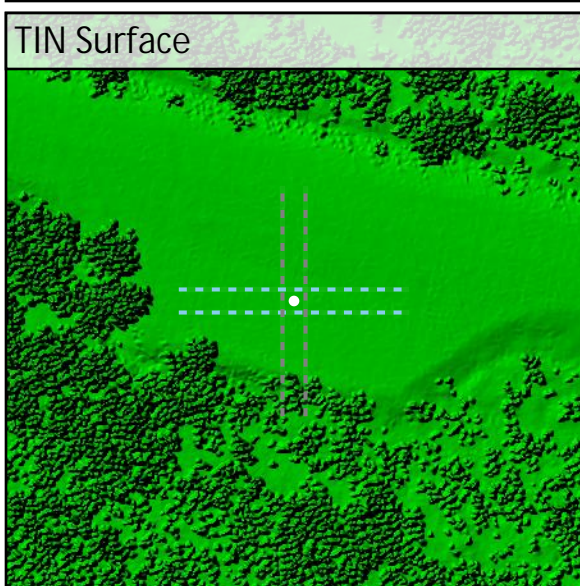
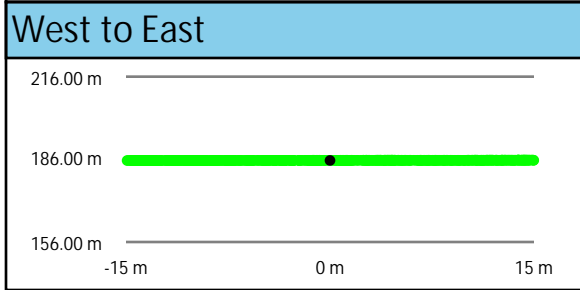
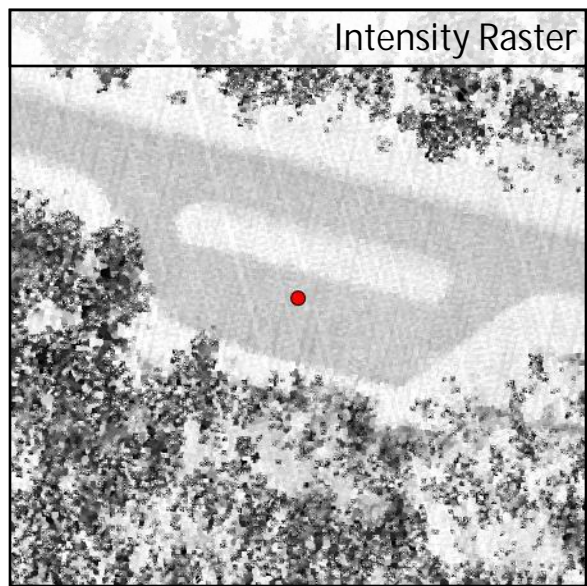
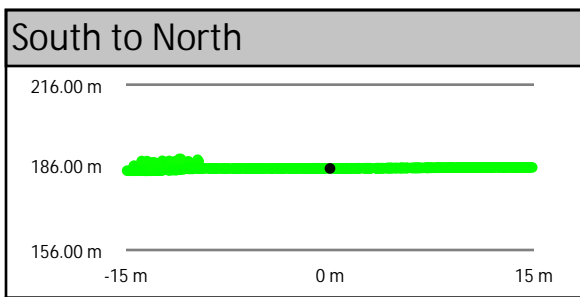
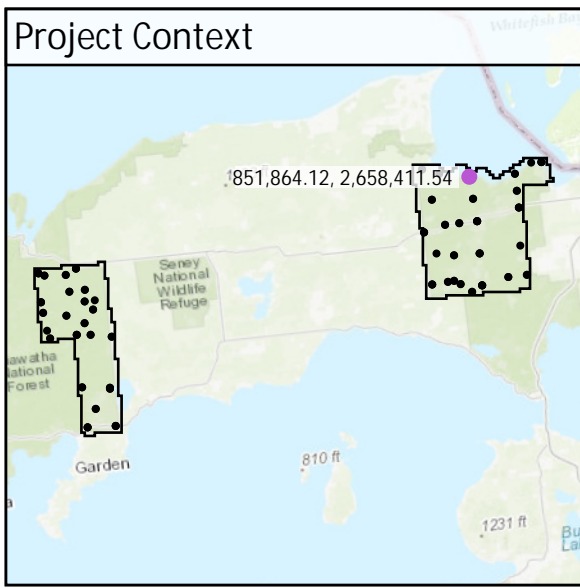


DEM Dz +0.01 m

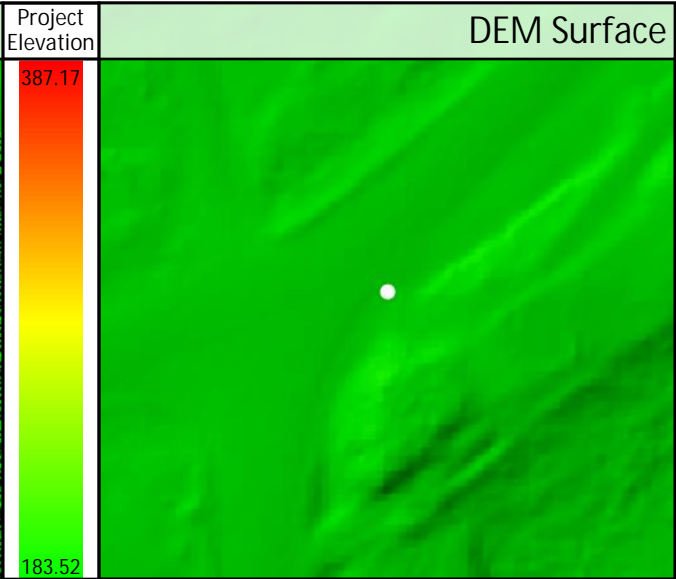
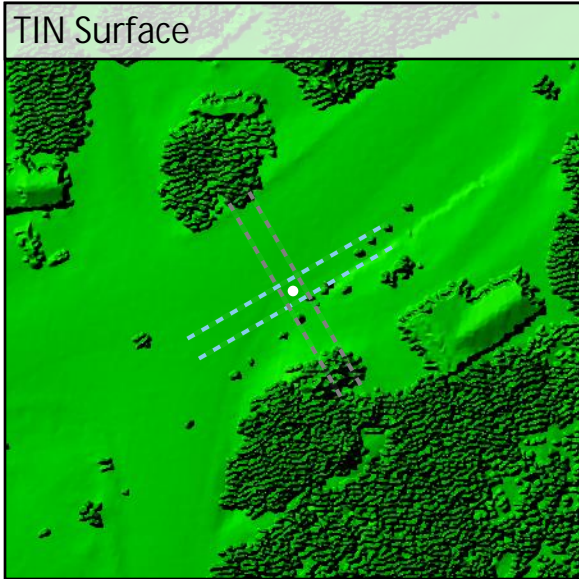
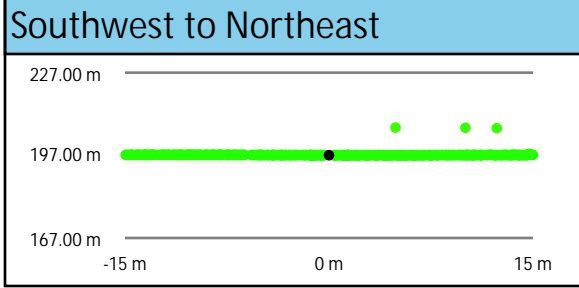
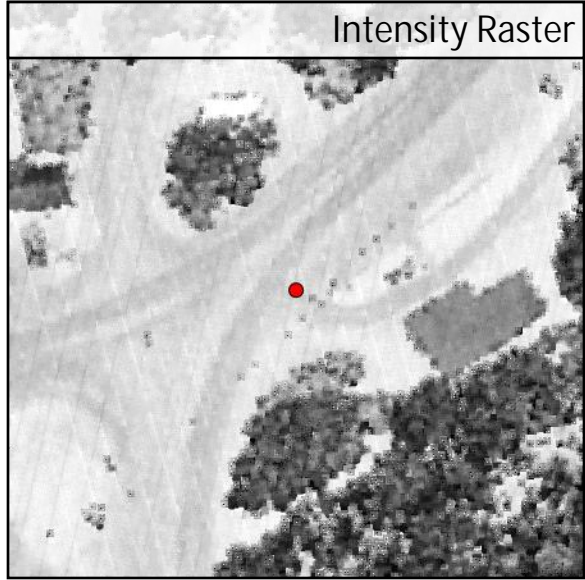
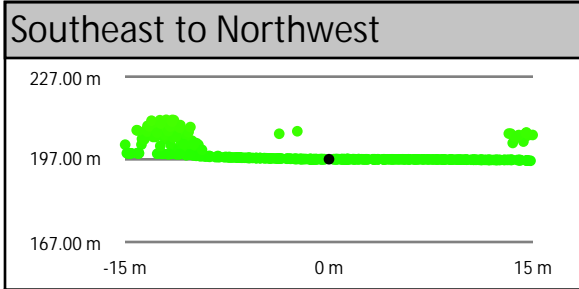
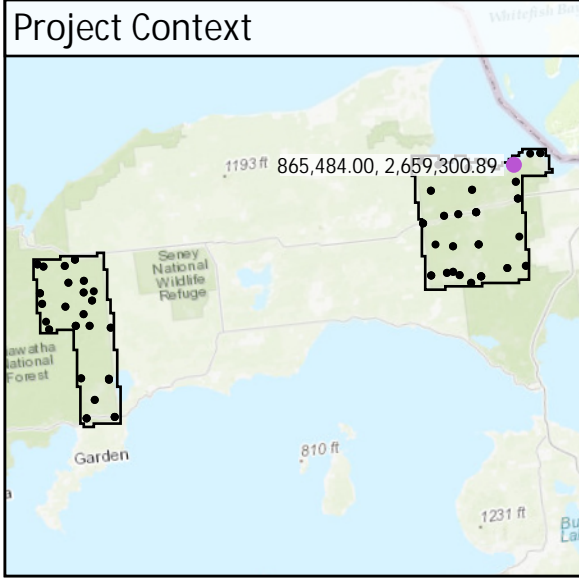
CAL - CA10

All Points TIN Dz +0.01 m

CA11	Known Z	185.59 m	Point Density	4.88 ppsm
	DEM Dz	0.04 m	Ground Density	4.88 ppsm
	All Points TIN Dz	0.05 m	Slope	0.82 °



CA12	Known Z	197.05 m	Point Density	3.04 ppsm
	DEM Dz	0.00 m	Ground Density	3.08 ppsm
	All Points TIN Dz	0.00 m	Slope	1.47 °

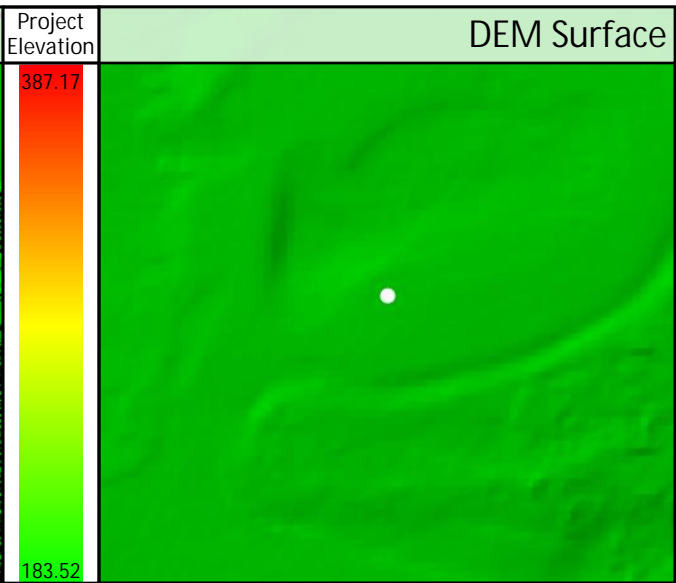
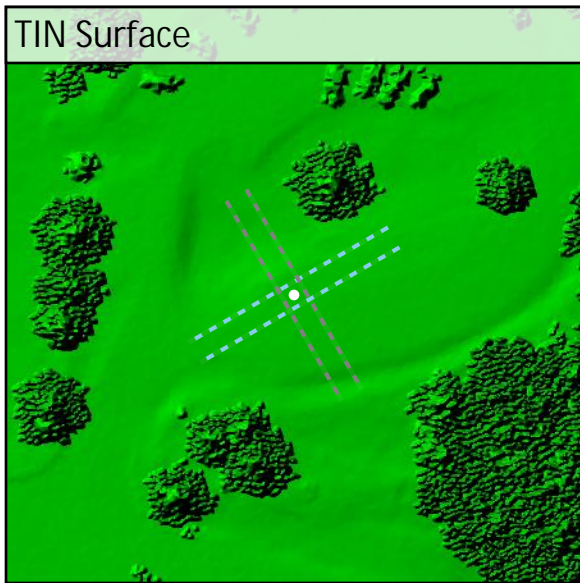
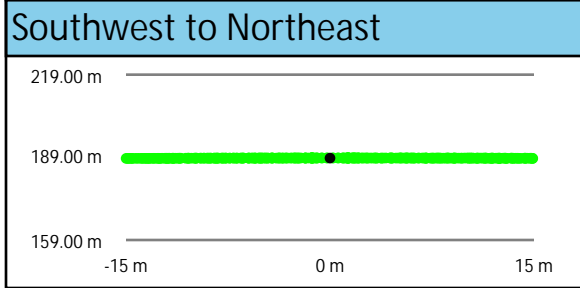
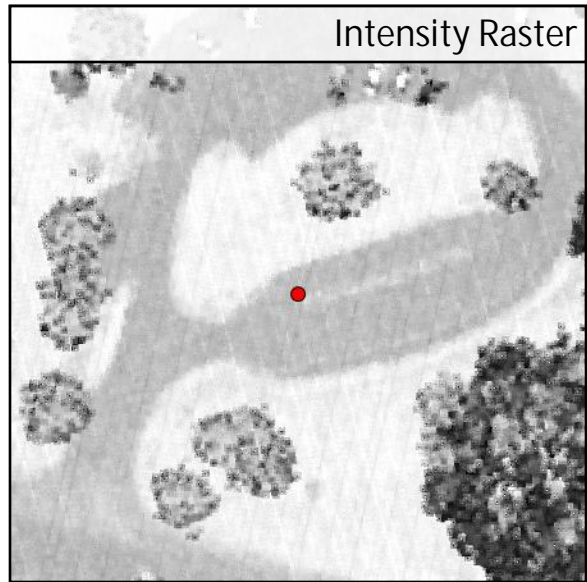
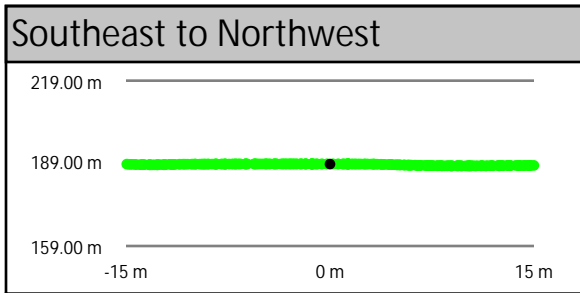
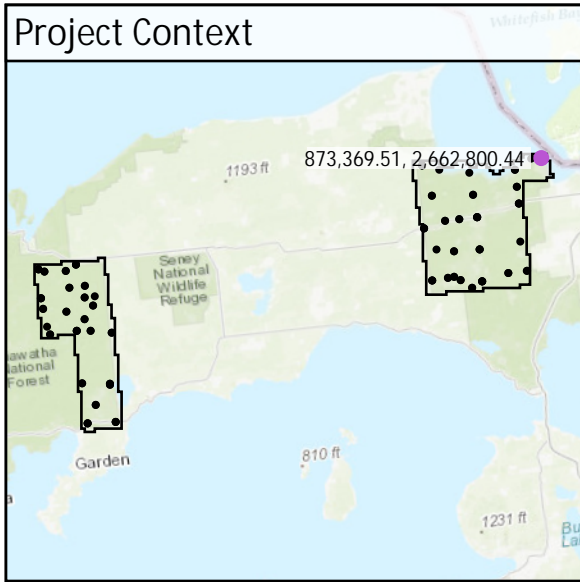


DEM Dz +0.00 m

CAL - CA12

All Points TIN Dz 0.00 m

CA13	Known Z	188.73 m	Point Density	3.08 ppsm
	DEM Dz	0.05 m	Ground Density	3.08 ppsm
	All Points TIN Dz	0.04 m	Slope	0.84 °

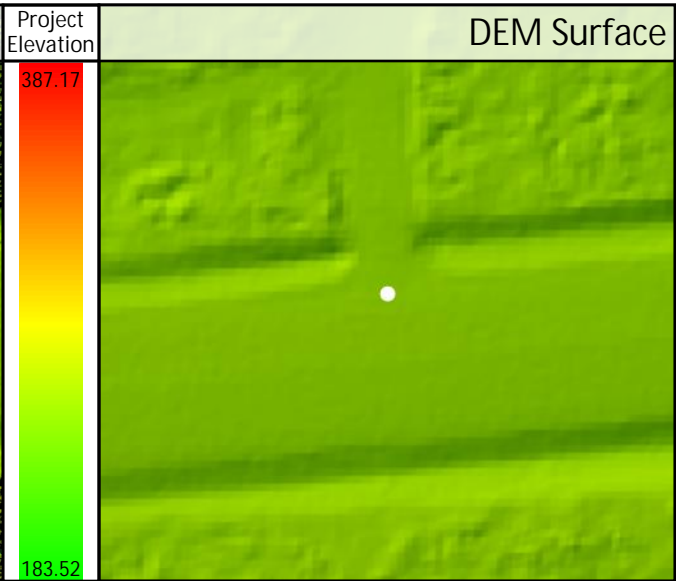
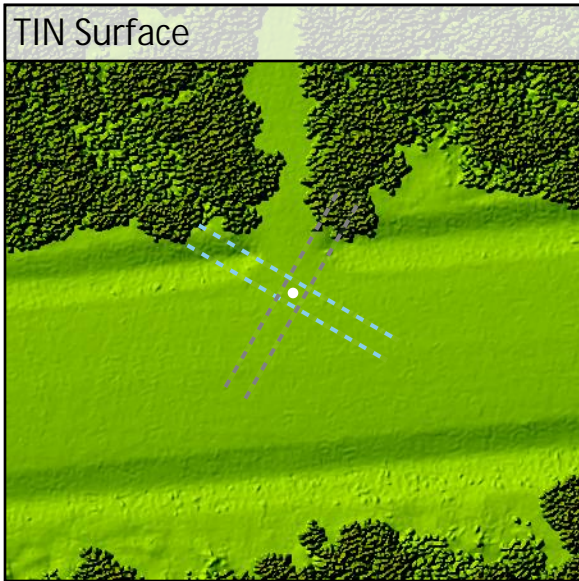
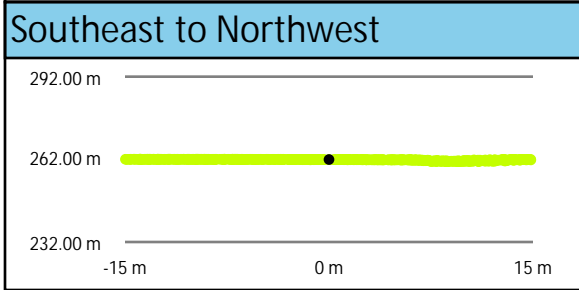
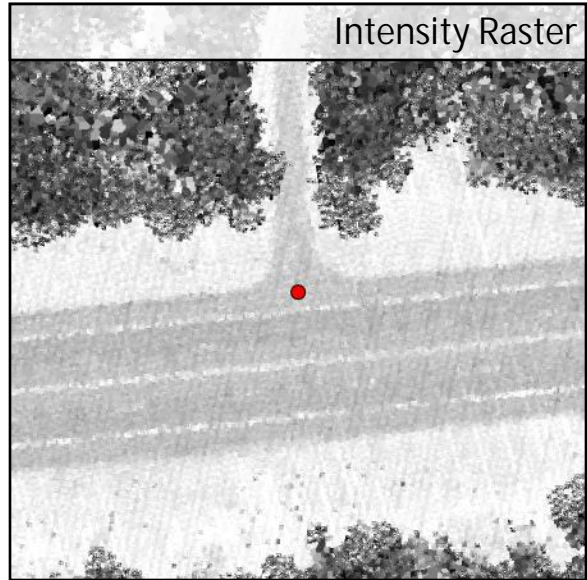
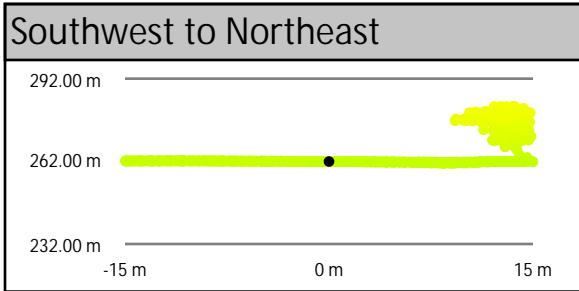
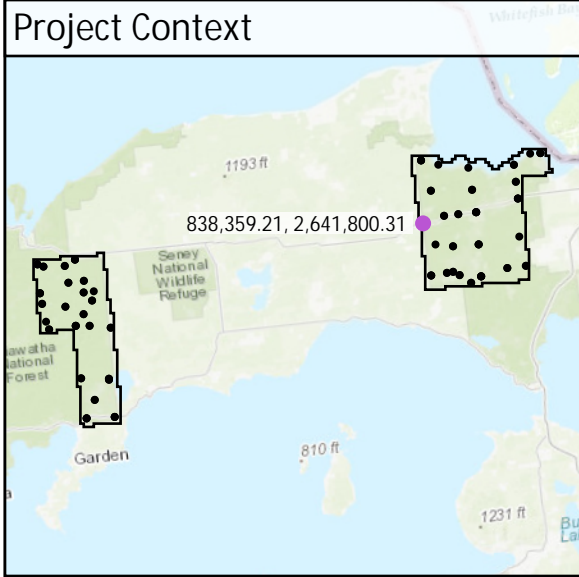


DEM Dz +0.05 m

CAL - CA13

All Points TIN Dz +0.04 m

CA14	Known Z	261.93 m	Point Density	5.38 ppsm
	DEM Dz	-0.03 m	Ground Density	5.38 ppsm
	All Points TIN Dz	-0.04 m	Slope	2.40 °

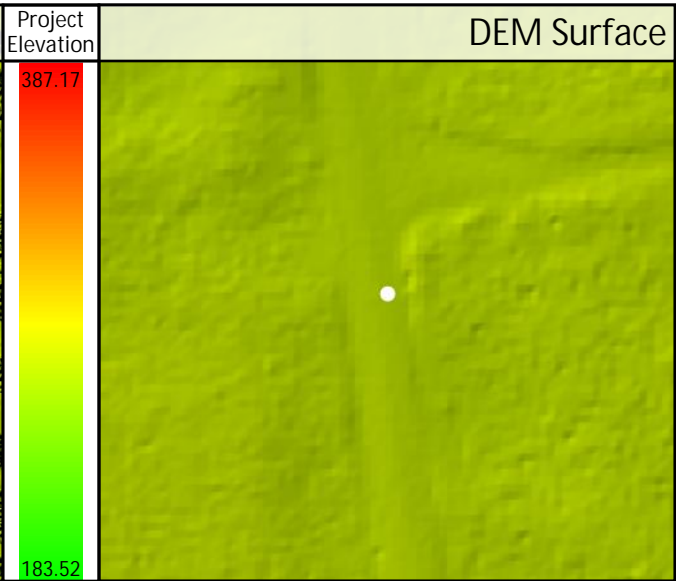
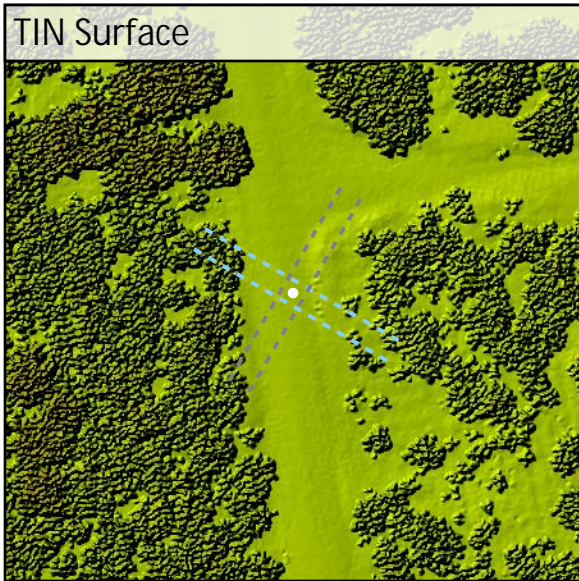
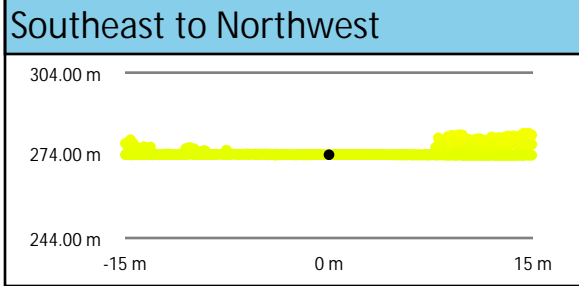
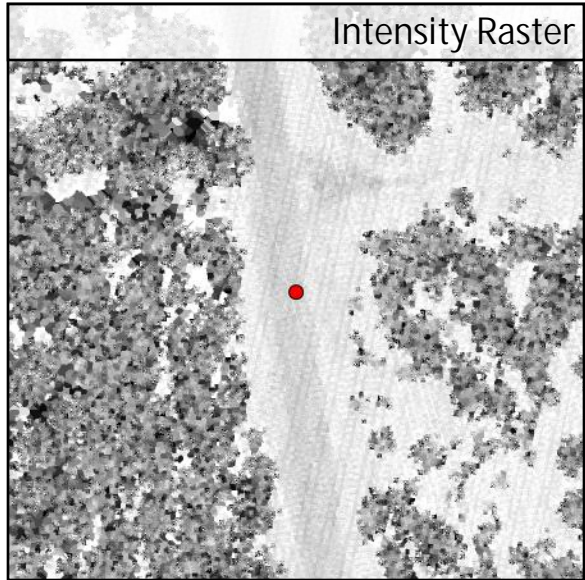
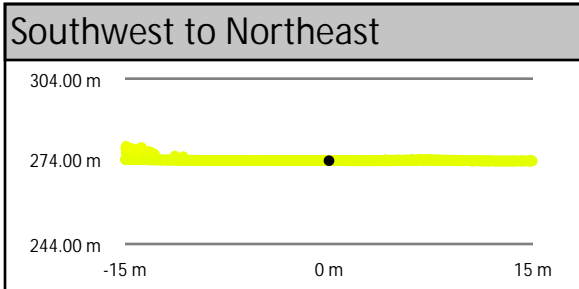
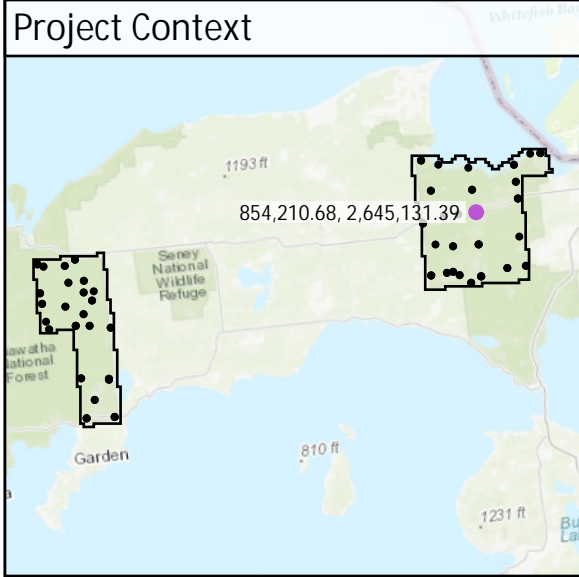


DEM Dz -0.03 m

CAL - CA14

All Points TIN Dz -0.04 m

CA15	Known Z	274.22 m	Point Density	5.38 ppsm
	DEM Dz	0.05 m	Ground Density	5.38 ppsm
	All Points TIN Dz	0.04 m	Slope	2.32 °

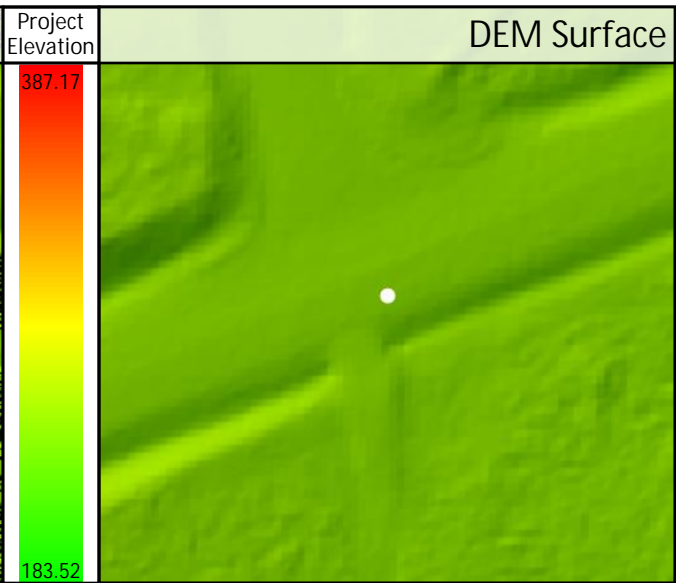
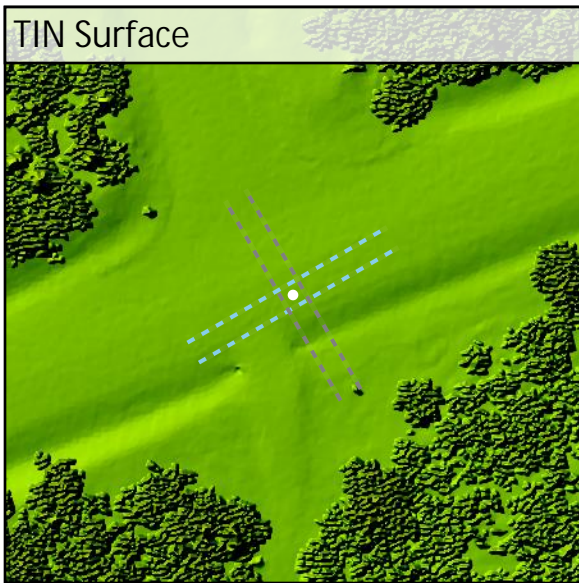
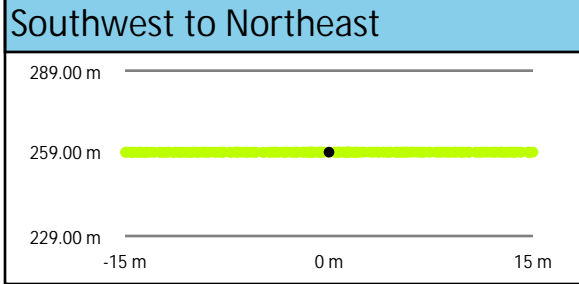
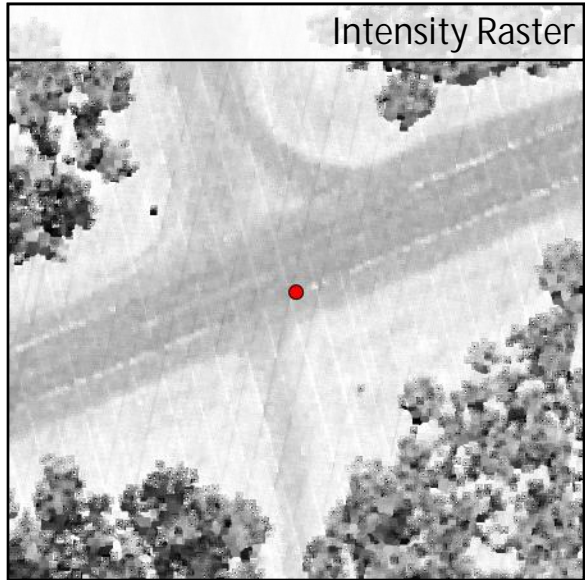
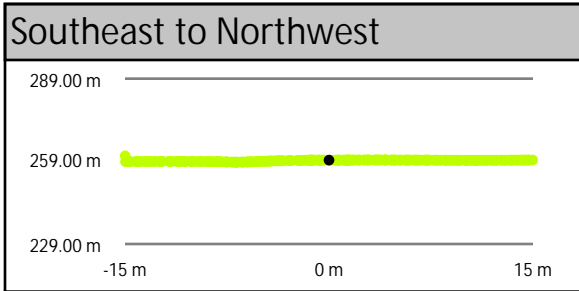
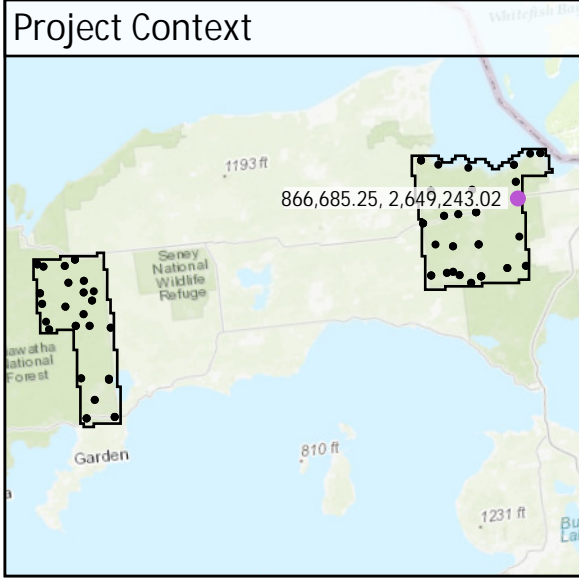


DEM Dz +0.05 m

CAL - CA15

All Points TIN Dz +0.04 m

CA16	Known Z	259.43 m	Point Density	2.83 ppsm
	DEM Dz	0.00 m	Ground Density	2.83 ppsm
	All Points TIN Dz	0.00 m	Slope	1.61 °

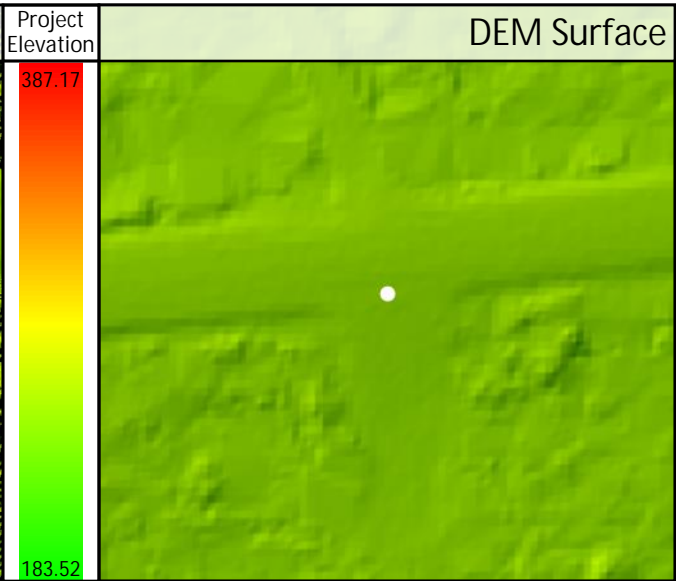
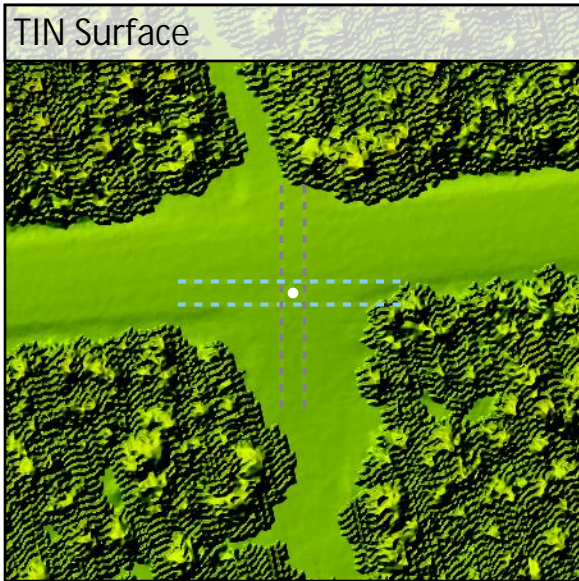
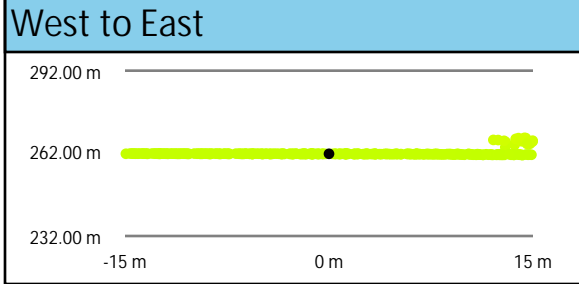
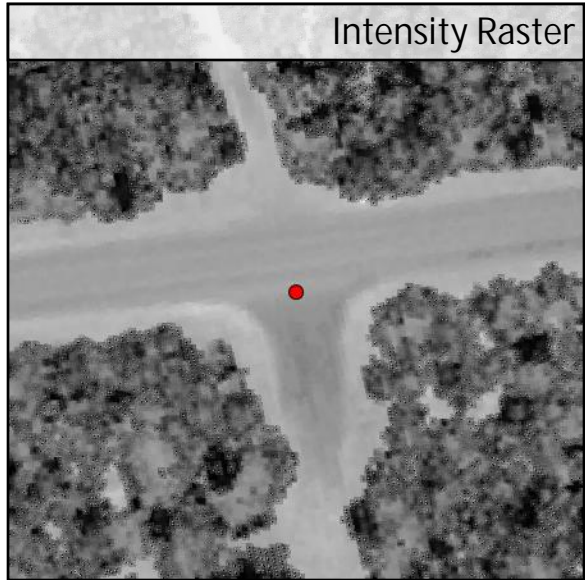
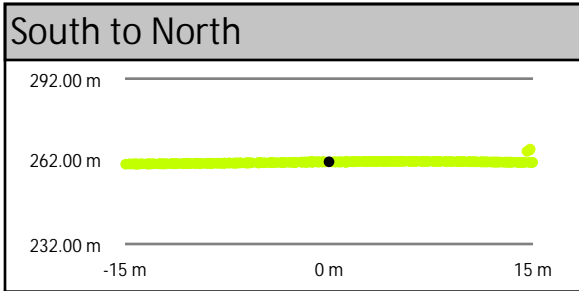
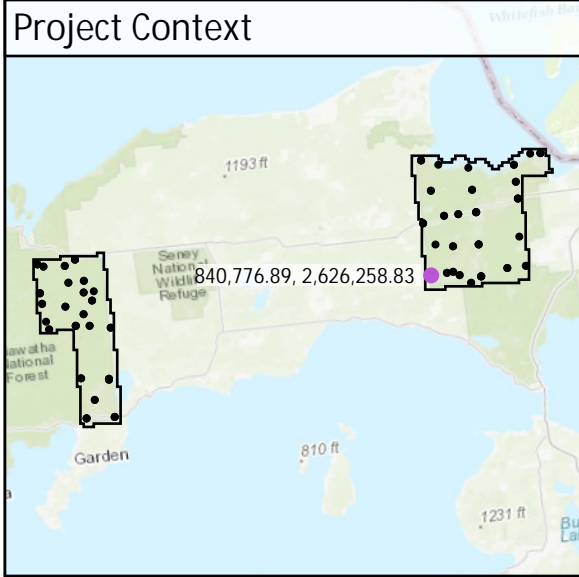


DEM Dz 0.00 m

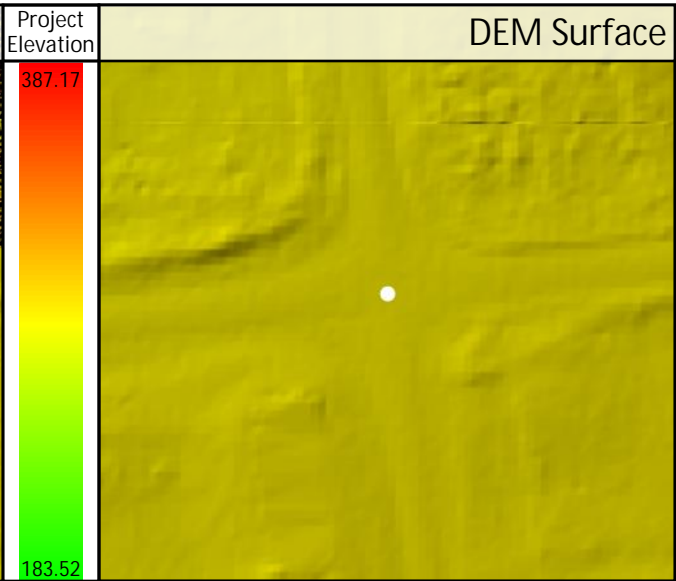
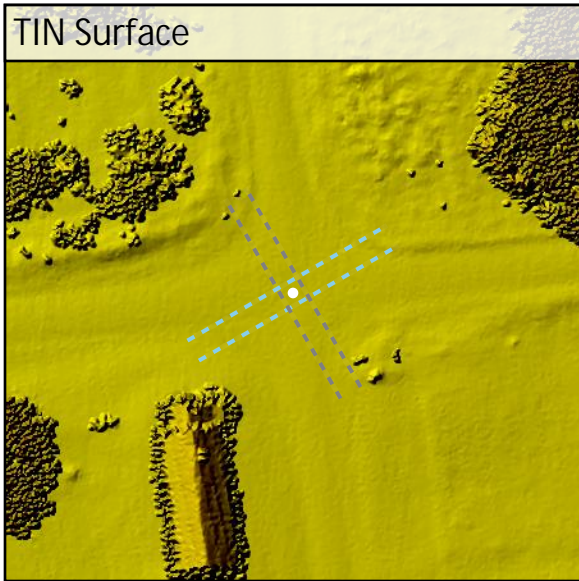
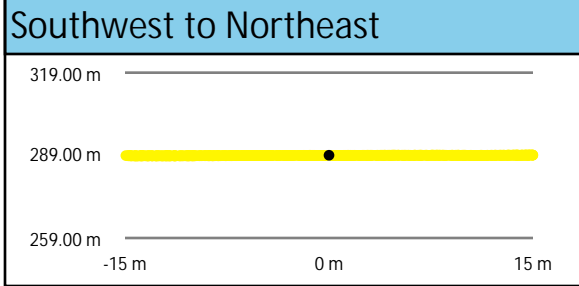
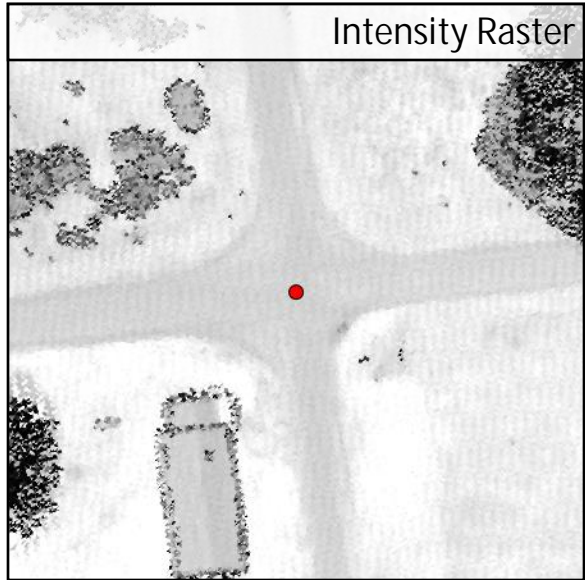
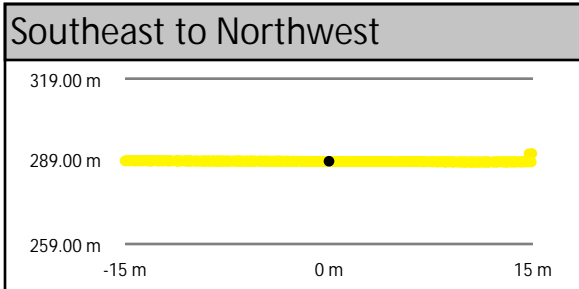
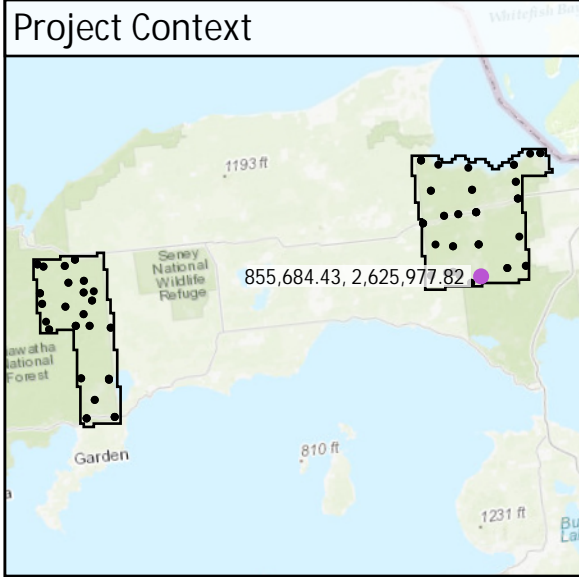
CAL - CA16

All Points TIN Dz +0.00 m

CA17	Known Z	261.83 m	Point Density	2.97 ppsm
	DEM Dz	-0.03 m	Ground Density	2.97 ppsm
	All Points TIN Dz	-0.03 m	Slope	2.78 °



CA18	Known Z	289.03 m	Point Density	6.08 ppsm
	DEM Dz	-0.05 m	Ground Density	6.08 ppsm
	All Points TIN Dz	-0.05 m	Slope	0.93 °



DEM Dz -0.05 m

CAL - CA18

All Points TIN Dz -0.05 m

CA19	Known Z	217.39 m	Point Density	4.95 ppsm
	DEM Dz	-0.01 m	Ground Density	4.95 ppsm
	All Points TIN Dz	-0.01 m	Slope	1.80 °

