FOCUS on Accuracy

NY_East

LiDAR Accuracy Assessment

Powered by Quantum Spatial

Table of Contents

Project Summary 1

Type Maps 2

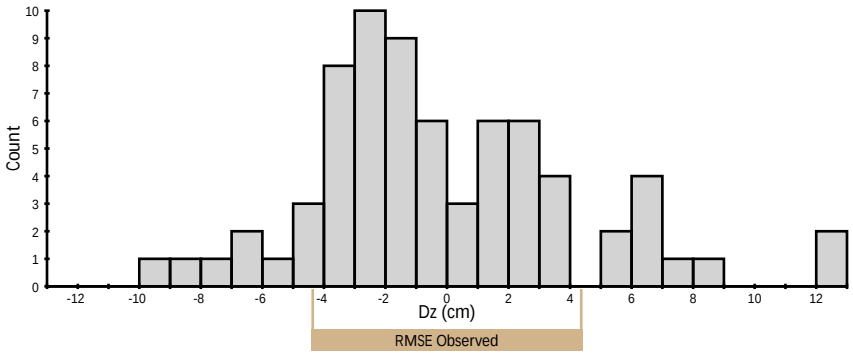
Control Point Breakdown . . . . . 3 - 11

Appendix - Individual Control Point Summaries . . . . . A1 - A205

Appendix - Anomalous Control Point Summaries . . . . . B1 - B1

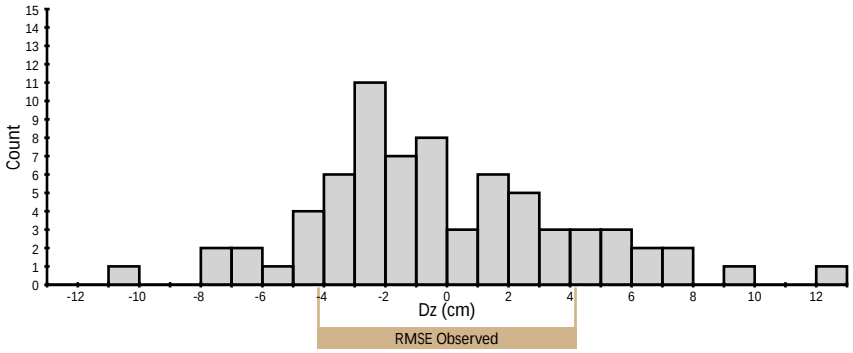
Project Summary

Nonvegetated Vertical Accuracy Swath



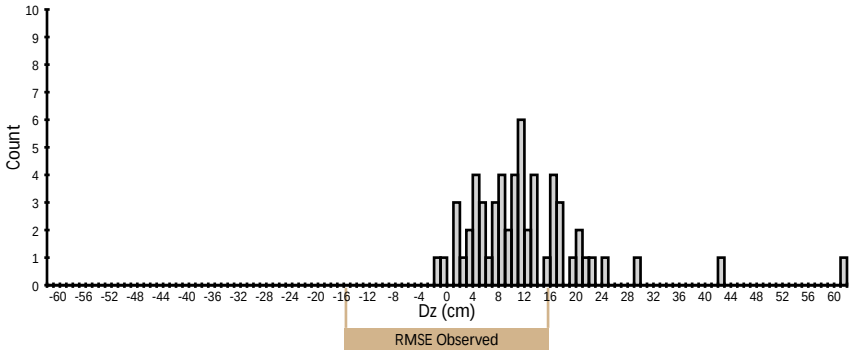
	Observed	Required
RMSE	4.41 cm	10.00 cm
95% Confidence Level	8.64 cm	19.60 cm
Mean	-0.09 cm	N/A
Count	71	N/A

Nonvegetated Vertical Accuracy DEM



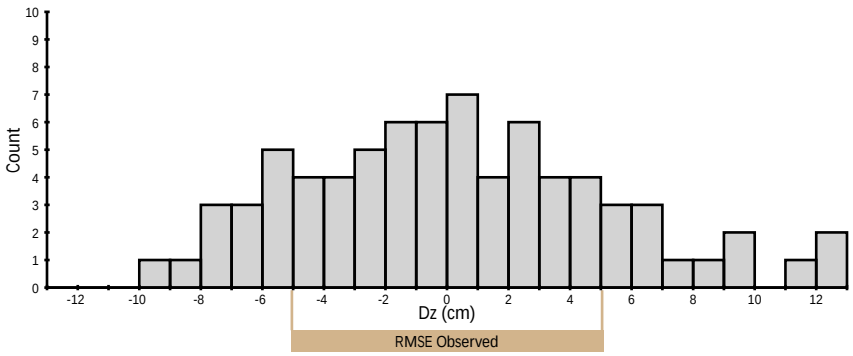
	Observed	Required
RMSE	4.22 cm	N/A
95% Confidence Level	8.27 cm	19.60 cm
Mean	-0.20 cm	N/A
Count	71	N/A

Vegetated Vertical Accuracy



	Observed	Required
RMSE	15.87 cm	N/A
95th Percentile	25.49 cm	29.40 cm
Mean	12.32 cm	N/A
Count	58	N/A

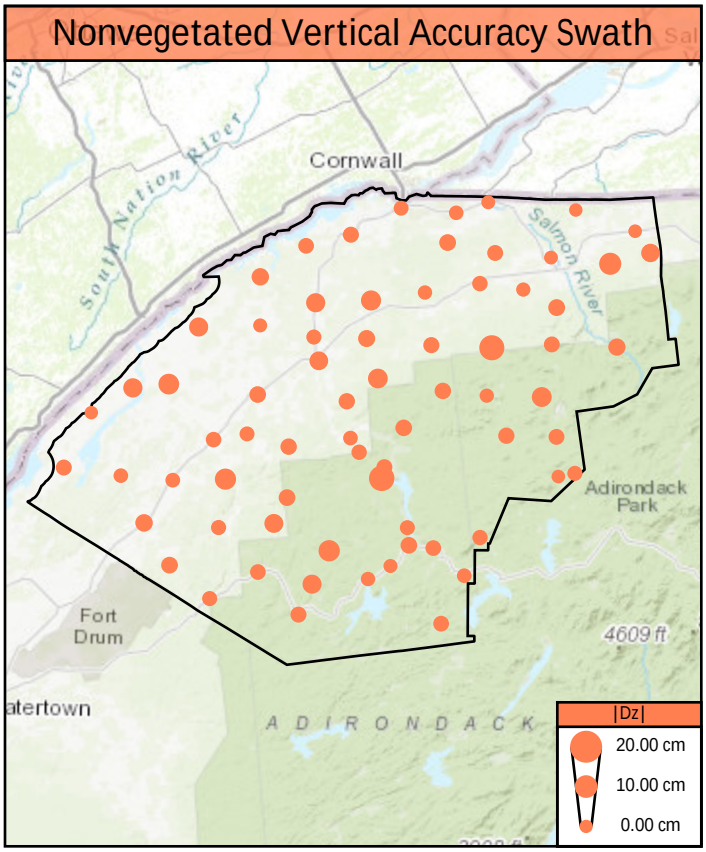
Calibration



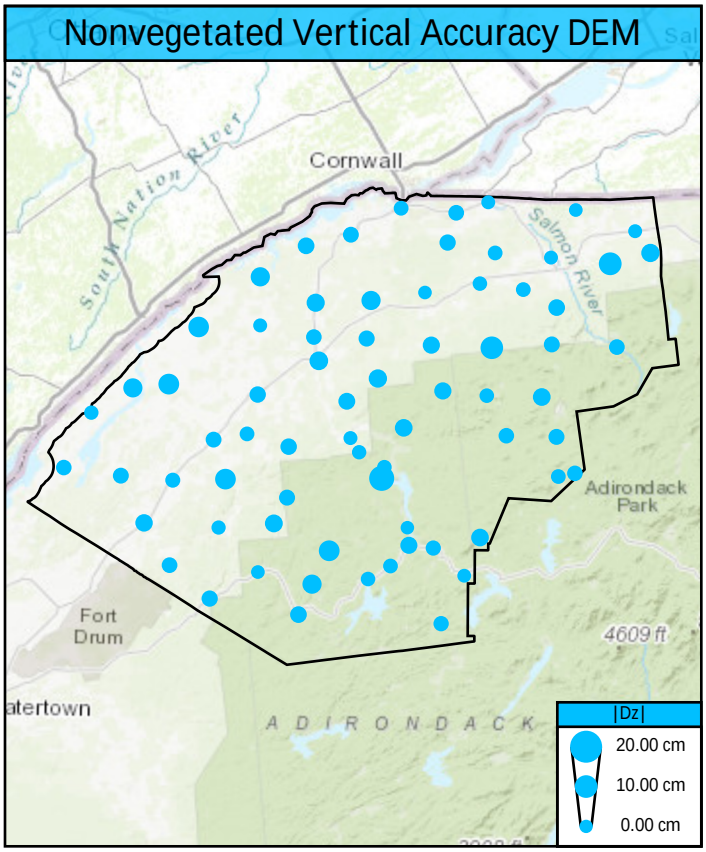
	Observed	Required
RMSE	5.08 cm	N/A
Mean	0.24 cm	N/A
Count	76	N/A

Control Point Locations

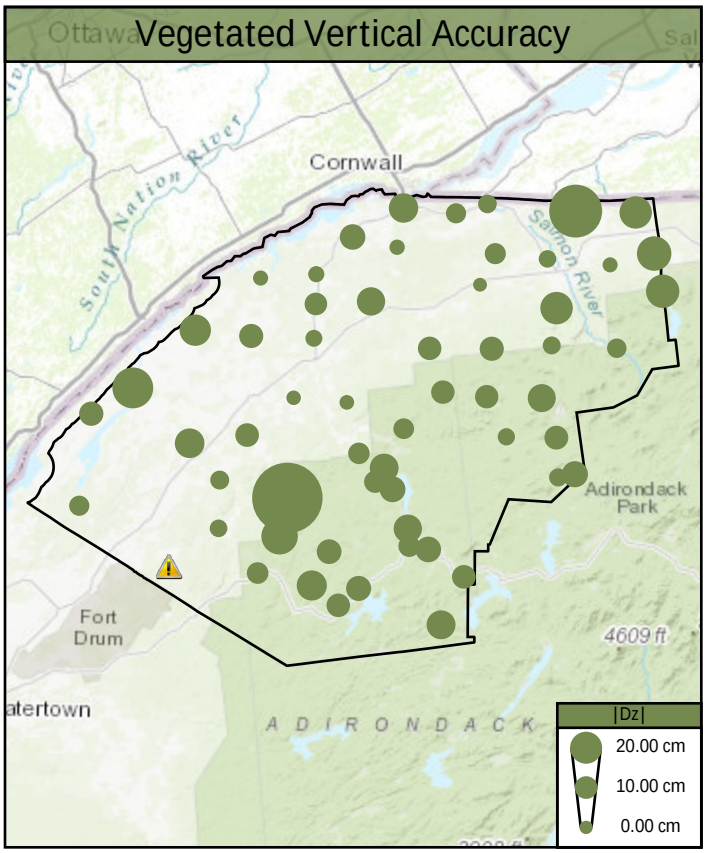
Nonvegetated Vertical Accuracy Swath



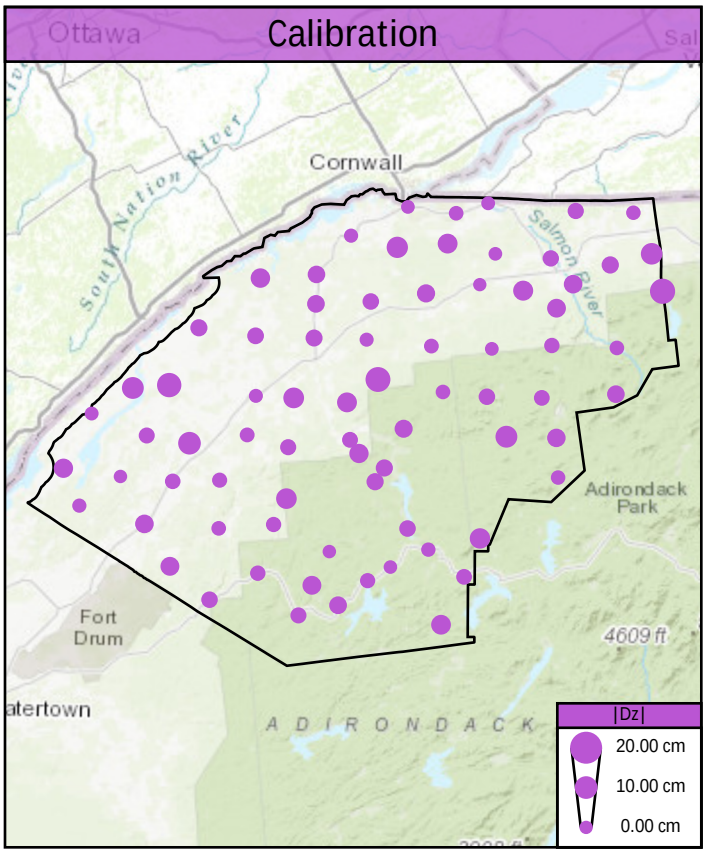
Nonvegetated Vertical Accuracy DEM



Vegetated Vertical Accuracy



Calibration



⚠ Point has been flagged as an Anomaly. See Anomaly Breakdown for exclusion details.

Control Point Breakdown

Point	Type	Raw TIN Dz	DEM Dz	Ground Density	Nearest Ground	Slope
BE21	NVA	-2.62 cm	-2.14 cm	2.26 ppsm	0.09 m	0.61°
BE22	NVA	2.56 cm	2.02 cm	2.44 ppsm	0.18 m	2.59°
BE23	NVA	1.16 cm	1.30 cm	3.47 ppsm	0.27 m	1.52°
BE24	NVA	6.09 cm	6.27 cm	3.40 ppsm	0.29 m	0.52°
BE25	NVA	-2.51 cm	-0.38 cm	3.01 ppsm	0.34 m	1.51°
BE26	NVA	1.88 cm	3.12 cm	2.12 ppsm	0.36 m	0.65°
BE27	NVA	-3.66 cm	-2.53 cm	5.91 ppsm	0.06 m	0.51°
BE28	NVA	-1.94 cm	-0.97 cm	3.18 ppsm	0.17 m	0.69°
BE29	NVA	5.99 cm	4.83 cm	2.16 ppsm	0.28 m	3.00°
BE30	NVA	8.55 cm	7.92 cm	4.77 ppsm	0.23 m	2.28°
BE31	NVA	-1.82 cm	-0.18 cm	2.79 ppsm	0.42 m	0.37°
BE32	NVA	0.74 cm	-1.52 cm	2.72 ppsm	0.32 m	4.51°
BE33a	NVA	-3.52 cm	-3.99 cm	2.86 ppsm	0.17 m	3.77°
BE34	NVA	1.52 cm	1.81 cm	4.92 ppsm	0.37 m	2.94°
BE35	NVA	-1.38 cm	-2.77 cm	3.43 ppsm	0.31 m	1.54°
BE36	NVA	-8.37 cm	-7.84 cm	4.70 ppsm	0.24 m	0.84°
BE37	NVA	-3.60 cm	-2.84 cm	2.65 ppsm	0.10 m	0.53°
BE38	NVA	12.92 cm	12.52 cm	5.91 ppsm	0.22 m	1.26°
BE39	NVA	2.84 cm	1.31 cm	4.14 ppsm	0.30 m	0.88°
BE40	NVA	-2.15 cm	-4.61 cm	2.16 ppsm	0.24 m	3.10°
BE41a	NVA	-1.88 cm	-2.35 cm	2.02 ppsm	0.44 m	2.71°
BE42	NVA	-0.30 cm	-1.50 cm	2.09 ppsm	0.28 m	0.62°
BE43	NVA	-2.75 cm	-2.84 cm	1.77 ppsm	0.24 m	1.35°
BE44	NVA	-3.16 cm	-2.39 cm	1.91 ppsm	0.29 m	0.60°
BE45	NVA	2.23 cm	1.13 cm	2.48 ppsm	0.27 m	0.52°
BE46	NVA	3.52 cm	4.62 cm	2.62 ppsm	0.41 m	1.64°

Control Point Breakdown Continued

Point	Type	Dz TIN	Dz DEM	Ground Density	Nearest Ground	Slope
BE47	NVA	-1.46 cm	-0.68 cm	2.26 ppsm	0.24 m	0.33°
BE48	NVA	-3.31 cm	-3.38 cm	4.70 ppsm	0.20 m	1.16°
BE49	NVA	-1.76 cm	-1.54 cm	3.18 ppsm	0.13 m	1.45°
BE50	NVA	6.33 cm	6.23 cm	3.29 ppsm	0.16 m	0.66°
BE51	NVA	-3.22 cm	-3.80 cm	3.61 ppsm	0.09 m	1.05°
BE52	NVA	-3.34 cm	-4.12 cm	2.26 ppsm	0.33 m	1.30°
BE53	NVA	-1.02 cm	-1.34 cm	2.26 ppsm	0.19 m	2.10°
BE54	NVA	-7.00 cm	-4.70 cm	2.19 ppsm	0.14 m	1.20°
BE55	NVA	-4.19 cm	-2.50 cm	1.84 ppsm	0.12 m	2.36°
BE56	NVA	-2.71 cm	-2.78 cm	2.26 ppsm	0.20 m	3.32°
BE57	NVA	12.57 cm	9.91 cm	1.91 ppsm	0.50 m	1.48°
BE58	NVA	3.97 cm	2.97 cm	3.68 ppsm	0.24 m	1.88°
BE59	NVA	-1.90 cm	-2.42 cm	2.97 ppsm	0.42 m	0.49°
BE60	NVA	0.75 cm	0.68 cm	2.86 ppsm	0.33 m	0.27°
BE61	NVA	-4.37 cm	-6.29 cm	3.40 ppsm	0.31 m	1.26°
BE62	NVA	-7.25 cm	-6.25 cm	2.79 ppsm	0.34 m	1.54°
BE63	NVA	-1.00 cm	-1.53 cm	2.30 ppsm	0.22 m	0.98°
BE64	NVA	5.53 cm	5.32 cm	3.15 ppsm	0.06 m	0.67°
BE65	NVA	-9.38 cm	-10.09 cm	2.41 ppsm	0.38 m	1.22°
BE66	NVA	-0.51 cm	-0.61 cm	3.18 ppsm	0.33 m	1.41°
BE67	NVA	-2.80 cm	-1.52 cm	3.15 ppsm	0.34 m	0.61°
BE68	NVA	3.66 cm	3.16 cm	2.55 ppsm	0.19 m	1.64°
BE69	NVA	1.28 cm	2.54 cm	2.55 ppsm	0.52 m	0.38°
BE70	NVA	-0.60 cm	-0.59 cm	2.72 ppsm	0.27 m	0.68°
BE71	NVA	-0.13 cm	-0.38 cm	3.04 ppsm	0.12 m	1.54°
BE72	NVA	3.77 cm	3.59 cm	2.09 ppsm	0.26 m	2.12°

Control Point Breakdown Continued

Point	Type	Dz TIN	Dz DEM	Ground Density	Nearest Ground	Slope
BE73	NVA	6.21 cm	5.14 cm	4.03 ppsm	0.18 m	0.52°
UA06	NVA	-2.89 cm	-3.62 cm	4.74 ppsm	0.13 m	1.28°
UA07	NVA	1.39 cm	0.50 cm	2.41 ppsm	0.26 m	0.95°
UA08	NVA	-4.47 cm	-4.40 cm	4.31 ppsm	0.23 m	2.33°
UA09	NVA	2.85 cm	2.39 cm	7.50 ppsm	0.11 m	0.20°
UA10	NVA	0.11 cm	1.06 cm	3.47 ppsm	0.24 m	0.62°
UA11	NVA	7.90 cm	7.93 cm	3.01 ppsm	0.19 m	1.69°
UA12	NVA	-3.55 cm	-3.30 cm	4.00 ppsm	0.33 m	0.61°
UA13	NVA	6.86 cm	5.32 cm	2.26 ppsm	0.52 m	0.93°
UA14	NVA	2.98 cm	4.12 cm	2.26 ppsm	0.50 m	0.65°
UA15	NVA	-6.18 cm	-7.74 cm	4.95 ppsm	0.23 m	0.93°
UA16	NVA	-1.14 cm	0.30 cm	2.09 ppsm	0.46 m	2.16°
UA17	NVA	-2.32 cm	-1.27 cm	2.55 ppsm	0.32 m	2.71°
UA18	NVA	2.93 cm	2.71 cm	2.90 ppsm	0.29 m	0.64°
UA20	NVA	-2.57 cm	-3.61 cm	5.59 ppsm	0.36 m	0.48°
UA21	NVA	1.66 cm	1.57 cm	2.44 ppsm	0.37 m	2.73°
UA22	NVA	-0.30 cm	-0.62 cm	2.65 ppsm	0.24 m	1.19°
UA23	NVA	-5.79 cm	-5.72 cm	3.22 ppsm	0.35 m	0.26°
UA24	NVA	-2.39 cm	-2.68 cm	4.88 ppsm	0.41 m	0.30°
FO17	VVA	N/A	10.89 cm	1.84 ppsm	0.24 m	3.53°
FO18	VVA	N/A	16.66 cm	0.53 ppsm	0.72 m	0.52°
FO19	VVA	N/A	11.02 cm	2.09 ppsm	0.24 m	1.36°
FO20	VVA	N/A	13.16 cm	1.45 ppsm	0.33 m	8.07°
FO21	VVA	N/A	17.97 cm	3.11 ppsm	0.28 m	4.01°
FO22	VVA	N/A	8.84 cm	1.56 ppsm	0.24 m	1.47°
FO24	VVA	N/A	4.58 cm	1.70 ppsm	0.10 m	0.64°

Control Point Breakdown Continued

Point	Type	Dz TIN	Dz DEM	Ground Density	Nearest Ground	Slope
FO25	VVA	N/A	12.21 cm	3.40 ppsm	0.12 m	2.75°
FO26	VVA	N/A	16.06 cm	1.49 ppsm	0.25 m	10.12°
FO27	VVA	N/A	1.27 cm	5.20 ppsm	0.23 m	2.85°
FO28a	VVA	N/A	8.88 cm	1.63 ppsm	0.18 m	2.28°
FO29	VVA	N/A	-1.92 cm	2.33 ppsm	0.43 m	1.67°
FO30	VVA	N/A	5.99 cm	4.42 ppsm	0.27 m	4.54°
FO31	VVA	N/A	9.40 cm	3.68 ppsm	0.12 m	2.65°
FO32	VVA	N/A	16.60 cm	2.33 ppsm	0.22 m	1.28°
FO33a	VVA	N/A	13.69 cm	0.53 ppsm	0.84 m	2.45°
FO34	VVA	N/A	5.20 cm	1.66 ppsm	0.42 m	2.24°
FO35	VVA	N/A	11.26 cm	0.39 ppsm	1.25 m	2.94°
FO36	VVA	N/A	4.21 cm	0.07 ppsm	2.49 m	7.40°
FO37	VVA	N/A	8.68 cm	2.44 ppsm	0.11 m	1.52°
FO38	VVA	N/A	7.86 cm	1.73 ppsm	0.22 m	4.76°
FO39	VVA	N/A	16.03 cm	2.23 ppsm	0.15 m	4.39°
FO40	VVA	N/A	11.02 cm	3.11 ppsm	0.38 m	2.91°
FO41	VVA	N/A	17.47 cm	3.86 ppsm	0.30 m	6.29°
FO42	VVA	N/A	11.74 cm	2.90 ppsm	0.08 m	0.27°
FO43	VVA	N/A	1.43 cm	3.43 ppsm	0.27 m	0.47°
FO44	VVA	N/A	10.79 cm	1.77 ppsm	0.32 m	4.54°
FO45	VVA	N/A	10.74 cm	1.70 ppsm	0.22 m	3.21°
FO46	VVA	N/A	15.71 cm	0.28 ppsm	1.56 m	0.49°
FO47	VVA	N/A	6.54 cm	0.99 ppsm	0.38 m	1.48°
FO48	VVA	N/A	4.91 cm	1.84 ppsm	0.30 m	2.73°
FO49	VVA	N/A	11.58 cm	1.80 ppsm	0.17 m	2.65°
FO50	VVA	N/A	3.82 cm	2.90 ppsm	0.15 m	2.22°

Control Point Breakdown Continued

Point	Type	Dz TIN	Dz DEM	Ground Density	Nearest Ground	Slope
FO51	VVA	N/A	3.04 cm	3.32 ppsm	0.19 m	1.47°
FO52	VVA	N/A	-0.52 cm	2.26 ppsm	0.53 m	3.62°
FO53	VVA	N/A	21.37 cm	1.03 ppsm	0.47 m	4.83°
FO54	VVA	N/A	1.83 cm	2.44 ppsm	0.21 m	1.19°
FO55	VVA	N/A	8.29 cm	2.62 ppsm	0.26 m	2.70°
FO56	VVA	N/A	2.16 cm	1.80 ppsm	0.33 m	1.79°
FO57	VVA	N/A	17.22 cm	2.26 ppsm	0.15 m	2.73°
FO58	VVA	N/A	7.35 cm	5.31 ppsm	0.11 m	2.05°
FO59	VVA	N/A	20.47 cm	2.12 ppsm	0.33 m	7.64°
SH05	VVA	N/A	12.53 cm	3.08 ppsm	0.31 m	1.45°
SH06	VVA	N/A	24.79 cm	2.09 ppsm	0.46 m	2.02°
SH07	VVA	N/A	61.14 cm	1.49 ppsm	0.31 m	4.05°
SH08a	VVA	N/A	13.34 cm	2.30 ppsm	0.06 m	1.46°
SH09	VVA	N/A	29.45 cm	1.73 ppsm	0.62 m	6.33°
SH10	VVA	N/A	19.31 cm	1.80 ppsm	0.27 m	1.89°
SH11	VVA	N/A	5.70 cm	2.30 ppsm	0.36 m	4.85°
SH12	VVA	N/A	20.42 cm	2.51 ppsm	0.51 m	0.98°
SH13	VVA	N/A	9.90 cm	3.43 ppsm	0.16 m	2.40°
SH14	VVA	N/A	42.39 cm	1.38 ppsm	0.23 m	4.57°
SH15	VVA	N/A	7.28 cm	1.56 ppsm	0.74 m	6.37°
SH16	VVA	N/A	13.06 cm	3.78 ppsm	0.25 m	4.00°
SH17	VVA	N/A	4.46 cm	1.80 ppsm	0.19 m	3.36°
SH18	VVA	N/A	22.65 cm	1.41 ppsm	0.33 m	1.83°
TW06	VVA	N/A	11.51 cm	5.38 ppsm	0.09 m	4.29°
TW07	VVA	N/A	10.86 cm	2.37 ppsm	0.15 m	2.34°
CA100	CAL	0.92 cm	0.79 cm	3.40 ppsm	0.35 m	0.83°

Control Point Breakdown Continued

Point	Type	Dz TIN	Dz DEM	Ground Density	Nearest Ground	Slope
CA101	CAL	0.41 cm	0.14 cm	2.79 ppsm	0.28 m	0.16°
CA102	CAL	-1.42 cm	-1.24 cm	2.26 ppsm	0.36 m	0.84°
CA103	CAL	0.54 cm	-0.45 cm	2.76 ppsm	0.23 m	1.47°
CA104	CAL	3.10 cm	1.77 cm	3.04 ppsm	0.19 m	0.95°
CA105	CAL	1.26 cm	2.45 cm	2.58 ppsm	0.30 m	1.84°
CA106	CAL	5.84 cm	5.99 cm	2.62 ppsm	0.43 m	2.36°
CA107	CAL	4.67 cm	2.82 cm	5.31 ppsm	0.24 m	1.80°
CA108	CAL	-0.97 cm	-1.50 cm	5.31 ppsm	0.17 m	1.11°
CA31	CAL	2.94 cm	2.73 cm	4.70 ppsm	0.29 m	1.26°
CA32	CAL	4.72 cm	6.50 cm	4.88 ppsm	0.04 m	2.69°
CA33	CAL	6.88 cm	6.46 cm	2.26 ppsm	0.42 m	0.98°
CA34	CAL	2.60 cm	2.64 cm	2.37 ppsm	0.31 m	0.64°
CA35	CAL	1.10 cm	1.60 cm	3.01 ppsm	0.16 m	3.21°
CA36	CAL	2.03 cm	2.54 cm	3.50 ppsm	0.32 m	1.27°
CA37	CAL	5.93 cm	5.63 cm	3.36 ppsm	0.05 m	1.15°
CA38	CAL	-2.23 cm	-2.00 cm	2.65 ppsm	0.04 m	1.64°
CA39	CAL	3.44 cm	3.59 cm	2.37 ppsm	0.22 m	1.81°
CA40	CAL	-5.95 cm	-6.03 cm	6.19 ppsm	0.29 m	1.18°
CA41	CAL	-1.44 cm	-1.27 cm	3.01 ppsm	0.16 m	1.66°
CA42	CAL	2.09 cm	2.46 cm	2.69 ppsm	0.18 m	0.16°
CA43	CAL	0.17 cm	0.90 cm	4.24 ppsm	0.22 m	1.63°
CA44	CAL	-3.46 cm	-2.39 cm	2.72 ppsm	0.25 m	1.95°
CA45	CAL	0.28 cm	0.57 cm	2.69 ppsm	0.45 m	1.25°
CA47	CAL	-5.66 cm	-5.99 cm	4.03 ppsm	0.03 m	0.53°
CA48	CAL	6.37 cm	6.13 cm	6.44 ppsm	0.12 m	0.36°
CA49	CAL	-2.40 cm	-1.71 cm	5.06 ppsm	0.12 m	1.70°

Control Point Breakdown Continued

Point	Type	Dz TIN	Dz DEM	Ground Density	Nearest Ground	Slope
CA50	CAL	-0.13 cm	-0.76 cm	3.57 ppsm	0.26 m	1.39°
CA51	CAL	-1.92 cm	-1.45 cm	5.13 ppsm	0.05 m	1.03°
CA52	CAL	-7.77 cm	-6.99 cm	2.19 ppsm	0.41 m	0.46°
CA53	CAL	4.12 cm	3.53 cm	3.75 ppsm	0.29 m	1.24°
CA54	CAL	4.10 cm	4.29 cm	3.43 ppsm	0.22 m	1.14°
CA55	CAL	-7.56 cm	-7.55 cm	2.41 ppsm	0.26 m	1.17°
CA57	CAL	-1.26 cm	-0.89 cm	1.98 ppsm	0.13 m	1.01°
CA58	CAL	-5.51 cm	-6.30 cm	1.87 ppsm	0.52 m	0.28°
CA59	CAL	-9.11 cm	-7.16 cm	1.98 ppsm	0.08 m	1.05°
CA60	CAL	-6.34 cm	-5.37 cm	2.62 ppsm	0.32 m	1.11°
CA61	CAL	5.05 cm	4.95 cm	2.33 ppsm	0.25 m	1.75°
CA62	CAL	2.74 cm	2.43 cm	2.26 ppsm	0.43 m	0.43°
CA63	CAL	-2.97 cm	-2.92 cm	5.45 ppsm	0.12 m	3.44°
CA64	CAL	1.64 cm	2.11 cm	3.18 ppsm	0.25 m	1.62°
CA65	CAL	9.97 cm	9.51 cm	3.78 ppsm	0.10 m	0.94°
CA66	CAL	-2.88 cm	-3.13 cm	3.43 ppsm	0.22 m	1.61°
CA67	CAL	-0.58 cm	0.00 cm	4.17 ppsm	0.10 m	1.18°
CA68	CAL	9.10 cm	8.76 cm	3.64 ppsm	0.23 m	0.78°
CA69	CAL	11.78 cm	12.00 cm	3.57 ppsm	0.28 m	1.88°
CA70	CAL	0.76 cm	0.45 cm	2.83 ppsm	0.36 m	0.30°
CA71	CAL	-7.92 cm	-7.86 cm	5.87 ppsm	0.24 m	1.50°
CA72	CAL	-6.98 cm	-6.59 cm	3.61 ppsm	0.30 m	1.01°
CA73	CAL	12.36 cm	11.32 cm	2.09 ppsm	0.39 m	0.73°
CA74	CAL	-1.35 cm	-0.72 cm	2.30 ppsm	0.42 m	3.51°
CA75	CAL	3.41 cm	4.01 cm	2.19 ppsm	0.38 m	0.68°
CA76	CAL	2.61 cm	3.13 cm	2.19 ppsm	0.26 m	1.57°

Control Point Breakdown Continued

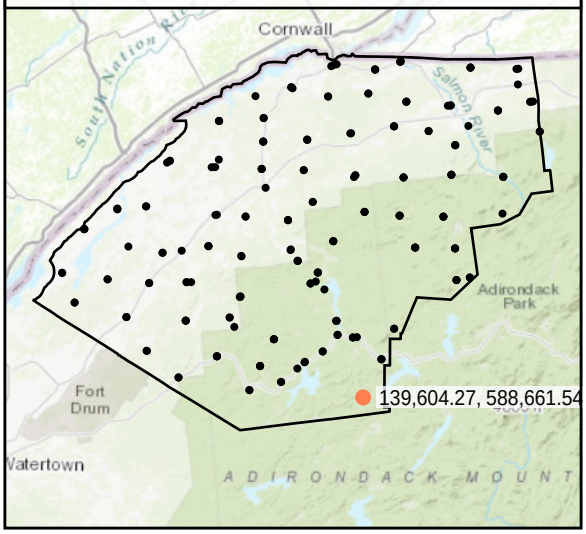
Point	Type	Dz TIN	Dz DEM	Ground Density	Nearest Ground	Slope
CA77	CAL	-4.59 cm	-4.02 cm	2.09 ppsm	0.24 m	1.84°
CA78	CAL	1.40 cm	0.83 cm	1.98 ppsm	0.33 m	0.62°
CA79	CAL	-2.20 cm	1.03 cm	2.26 ppsm	0.07 m	1.17°
CA80	CAL	-0.46 cm	-0.94 cm	2.05 ppsm	0.31 m	0.29°
CA81	CAL	-1.56 cm	-0.43 cm	2.30 ppsm	0.14 m	1.57°
CA82	CAL	-0.80 cm	-0.52 cm	3.25 ppsm	0.34 m	0.77°
CA83	CAL	-3.94 cm	-3.61 cm	3.32 ppsm	0.07 m	2.10°
CA84	CAL	-3.67 cm	-3.65 cm	3.32 ppsm	0.13 m	0.85°
CA85	CAL	-4.09 cm	-3.03 cm	5.69 ppsm	0.18 m	0.50°
CA86	CAL	-6.56 cm	-6.92 cm	3.43 ppsm	0.20 m	1.02°
CA87	CAL	-4.55 cm	-5.80 cm	4.49 ppsm	0.19 m	1.10°
CA88	CAL	-3.43 cm	-3.53 cm	3.04 ppsm	0.48 m	0.40°
CA89	CAL	-5.19 cm	-2.73 cm	2.72 ppsm	0.14 m	1.51°
CA90	CAL	0.00 cm	-0.98 cm	2.58 ppsm	0.36 m	1.91°
CA91	CAL	7.16 cm	4.99 cm	2.48 ppsm	0.38 m	1.70°
CA92	CAL	-5.63 cm	-5.65 cm	2.37 ppsm	0.21 m	2.58°
CA93	CAL	12.68 cm	12.12 cm	2.09 ppsm	0.29 m	2.91°
CA94	CAL	8.81 cm	10.40 cm	2.86 ppsm	0.34 m	2.20°
CA95	CAL	-4.21 cm	-4.22 cm	2.51 ppsm	0.25 m	0.67°
CA96	CAL	3.21 cm	3.64 cm	3.29 ppsm	0.31 m	1.91°
CA97	CAL	0.38 cm	0.65 cm	3.32 ppsm	0.45 m	0.41°
CA98	CAL	6.94 cm	6.23 cm	2.65 ppsm	0.58 m	1.11°
CA99	CAL	-8.50 cm	-7.99 cm	2.33 ppsm	0.09 m	2.42°

Anomaly Breakdown

Point	Type	Raw TIN Dz	DEM Dz	Ground Density	Nearest Ground	Slope
FO23	VVA	N/A	-57.27 cm	4.31 ppsm	0.10 m	3.05°
Comment: Incorrect Horizontal Location						

BE21				
	Known Z	528.50 m	Point Density	2.30 ppsm
	DEM Dz	-0.02 m	Ground Density	2.26 ppsm
	Raw TIN Dz	-0.03 m	Slope	0.61 °

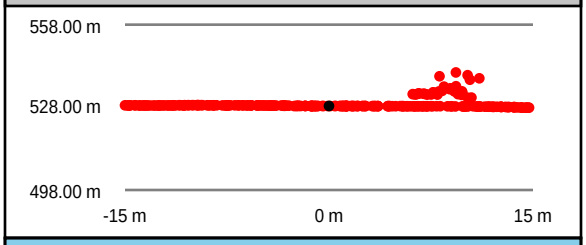
Project Context



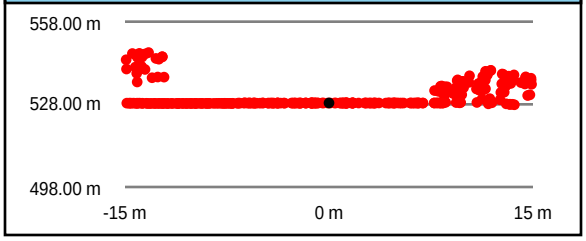
World Imagery



Southwest to Northeast



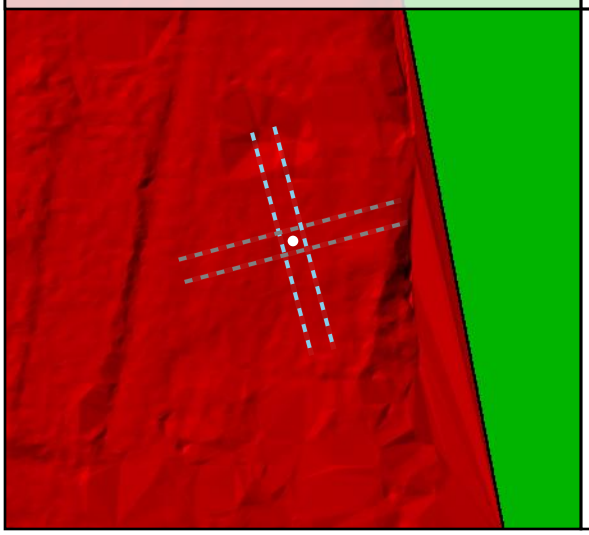
Southeast to Northwest



Intensity Raster



TIN Surface

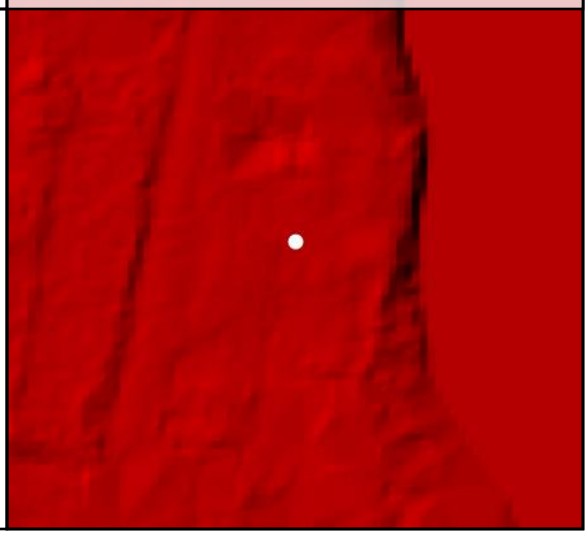


Project Elevation

530.15

94.05

DEM Surface



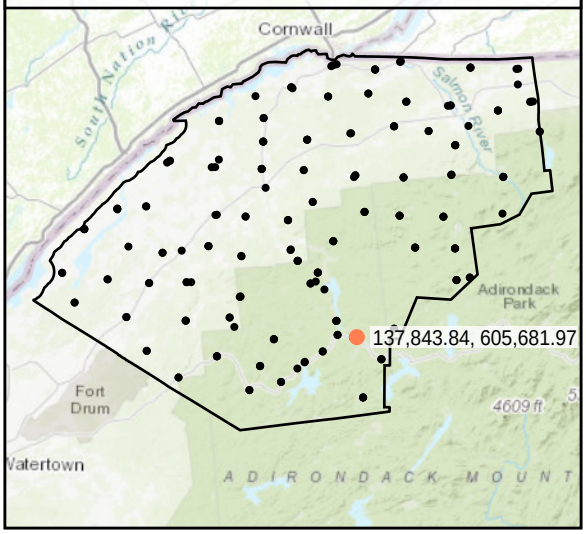
DEM Dz -0.02 m

NVA - BE21

Raw TIN Dz -0.03 m

BE22				
	Known Z	522.88 m	Point Density	2.44 ppsm
	DEM Dz	0.02 m	Ground Density	2.44 ppsm
	Raw TIN Dz	0.03 m	Slope	2.59 °

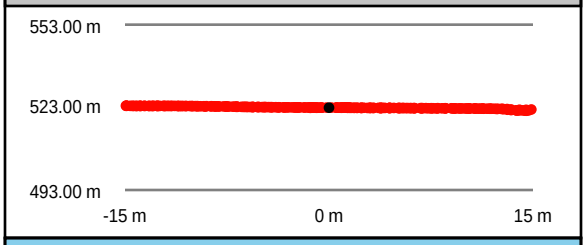
Project Context



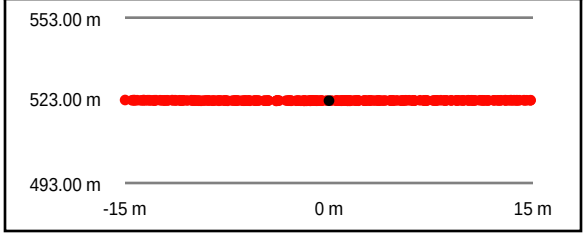
World Imagery



Southeast to Northwest



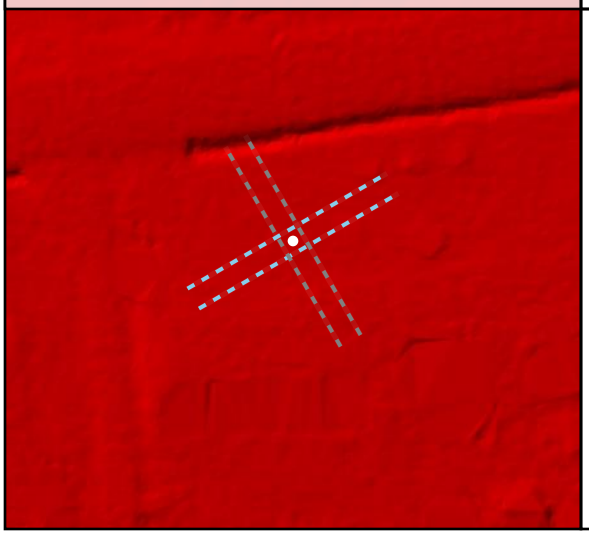
Southwest to Northeast



Intensity Raster



TIN Surface

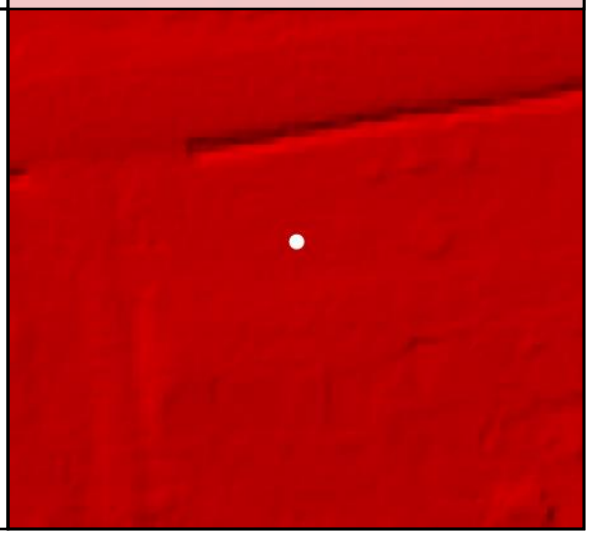


Project Elevation

530.15

94.05

DEM Surface



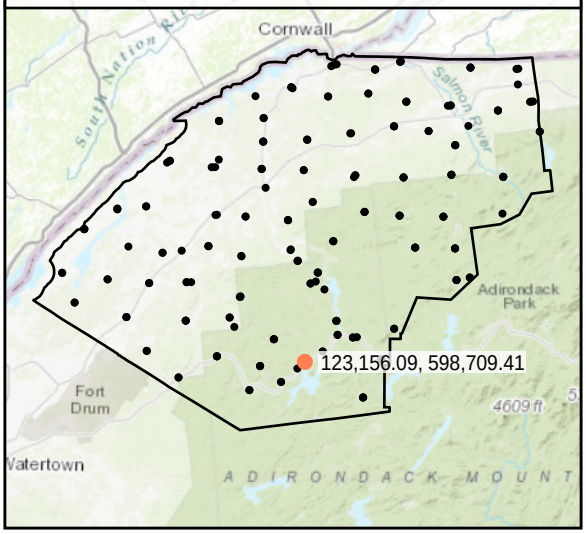
DEM Dz +0.02 m

NVA - BE22

Raw TIN Dz +0.03 m

BE23				
	Known Z	456.75 m	Point Density	3.96 ppsm
	DEM Dz	0.01 m	Ground Density	3.47 ppsm
	Raw TIN Dz	0.01 m	Slope	1.52 °

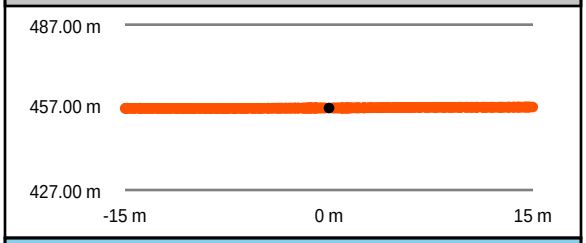
Project Context



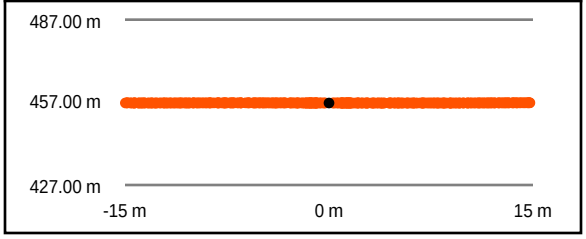
World Imagery



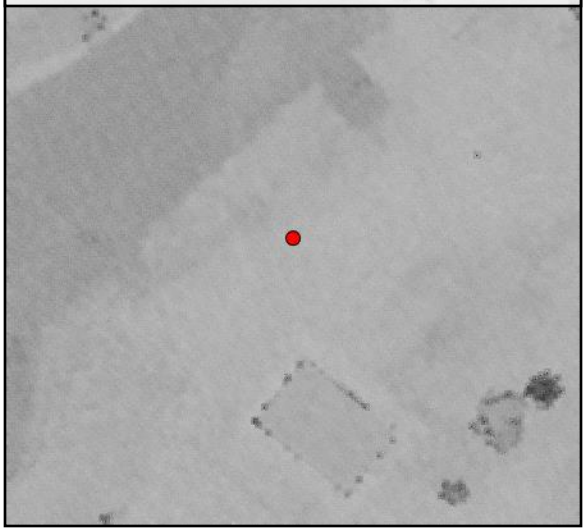
South to North



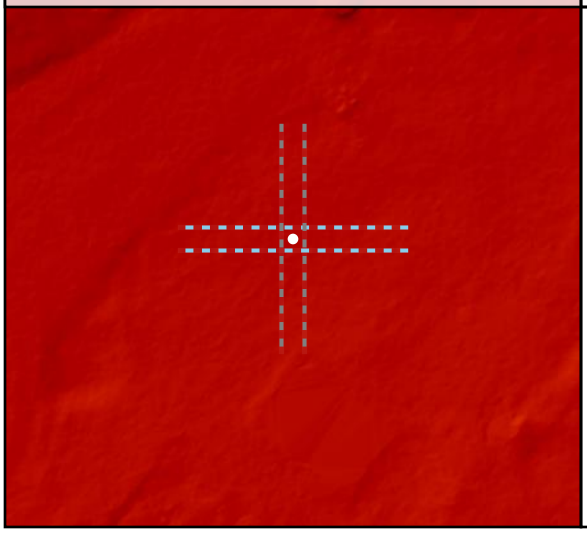
West to East



Intensity Raster



TIN Surface

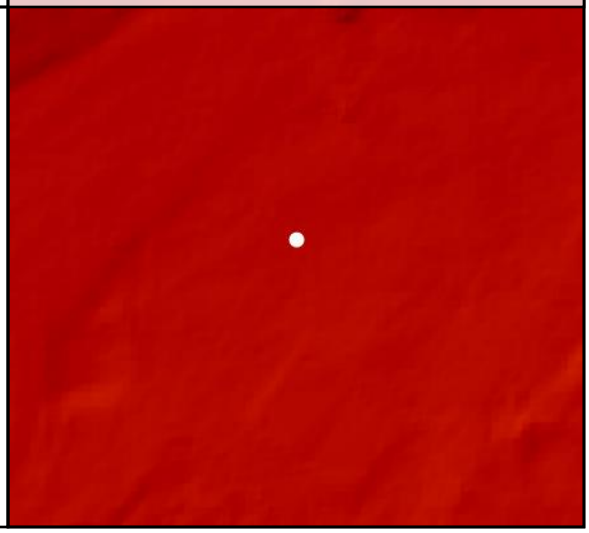


Project Elevation

530.15

71.92

DEM Surface



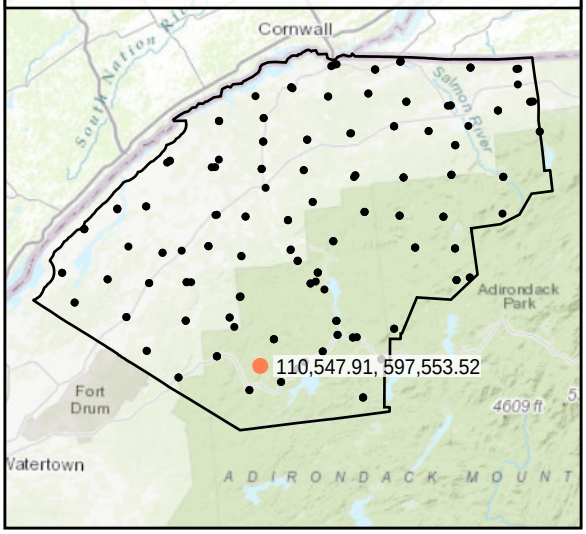
DEM Dz +0.01 m

NVA - BE23

Raw TIN Dz +0.01 m

BE24				
	Known Z	420.85 m	Point Density	3.64 ppsm
	DEM Dz	0.06 m	Ground Density	3.40 ppsm
	Raw TIN Dz	0.06 m	Slope	0.52 °

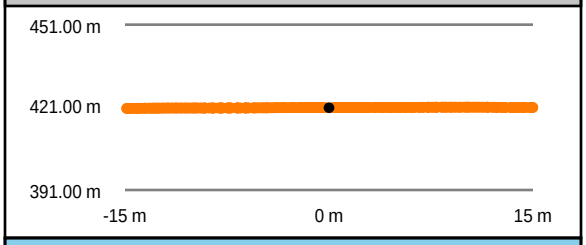
Project Context



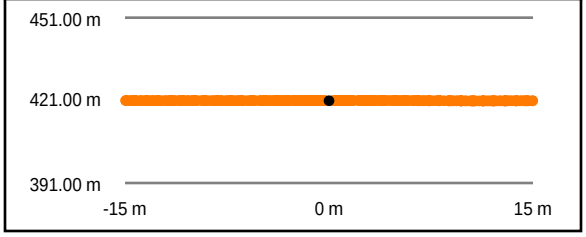
World Imagery



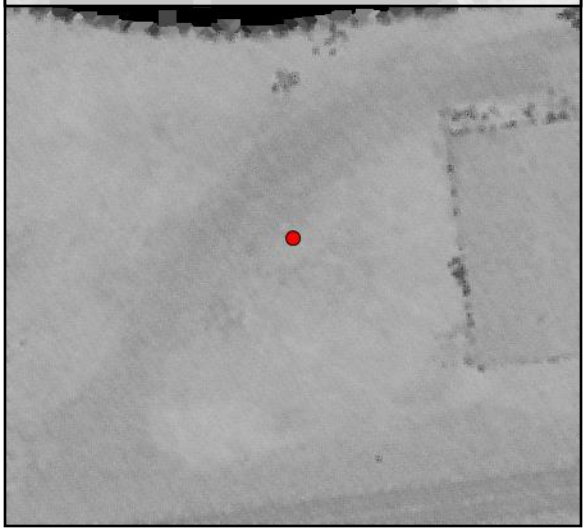
Southeast to Northwest



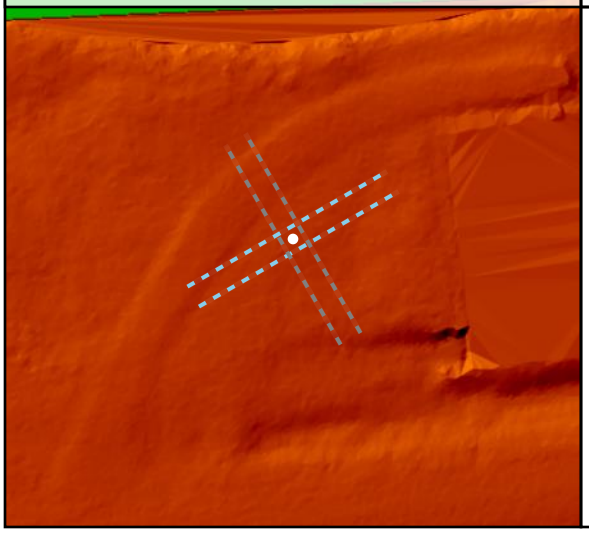
Southwest to Northeast



Intensity Raster



TIN Surface

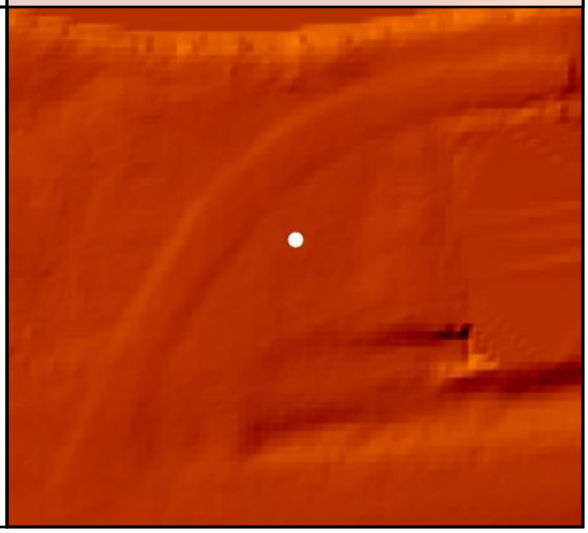


Project Elevation

530.34

71.2

DEM Surface



DEM Dz +0.06 m

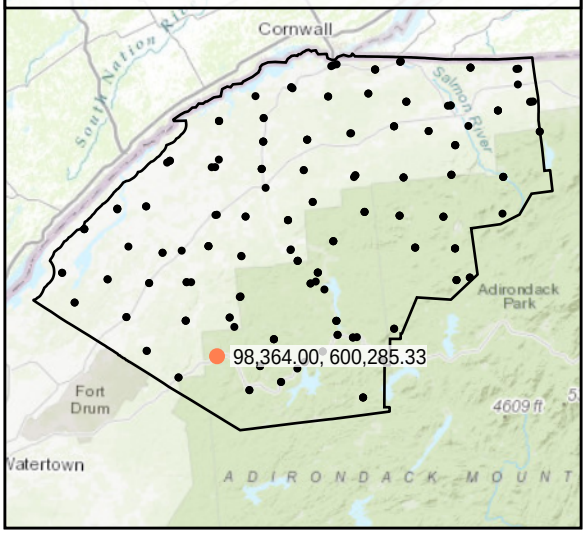
NVA - BE24

Raw TIN Dz +0.06 m

BE25

Known Z	304.78 m	Point Density	3.71 ppsm
DEM Dz	0.00 m	Ground Density	3.01 ppsm
Raw TIN Dz	-0.03 m	Slope	1.51 °

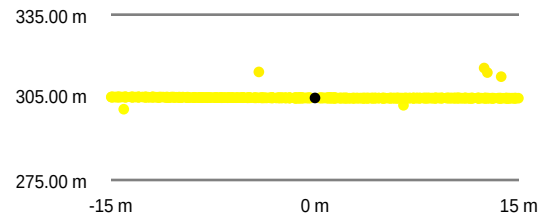
Project Context



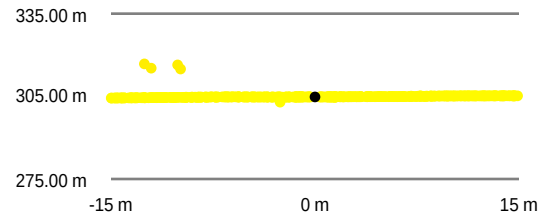
World Imagery



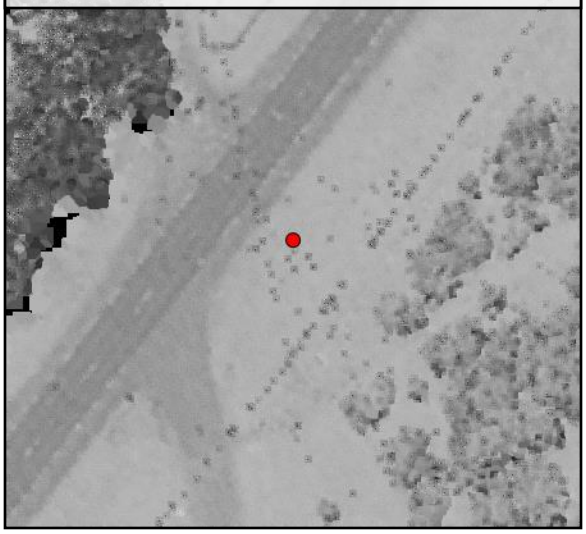
Southwest to Northeast



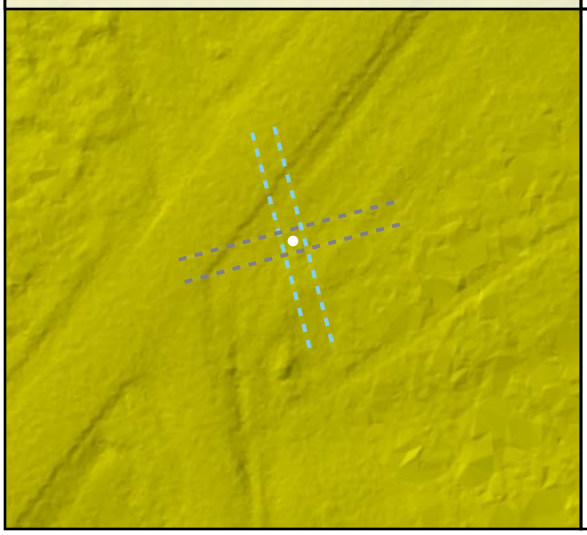
Southeast to Northwest



Intensity Raster



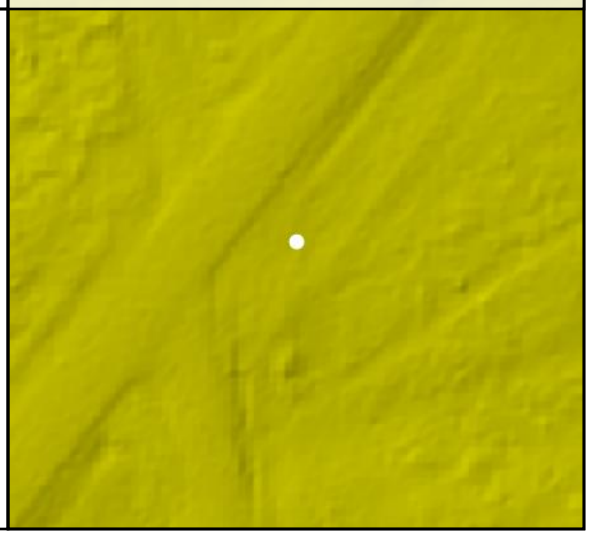
TIN Surface



Project Elevation



DEM Surface



DEM Dz 0.00 m

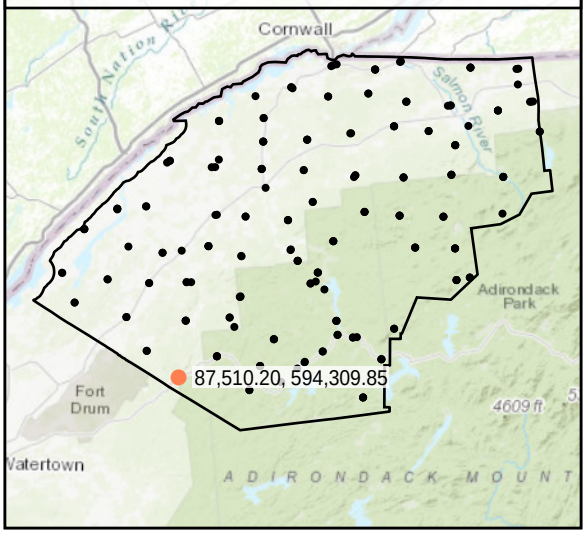
NVA - BE25

Raw TIN Dz -0.03 m

BE26

Known Z	239.90 m	Point Density	2.23 ppsm
DEM Dz	0.03 m	Ground Density	2.12 ppsm
Raw TIN Dz	0.02 m	Slope	0.65 °

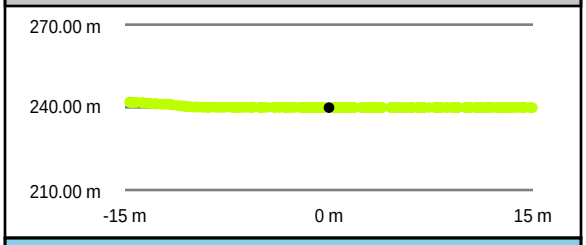
Project Context



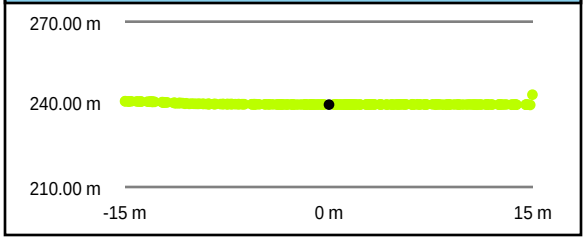
World Imagery



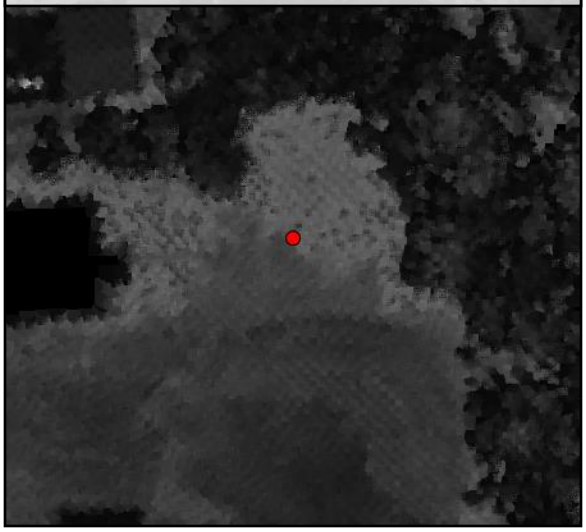
South to North



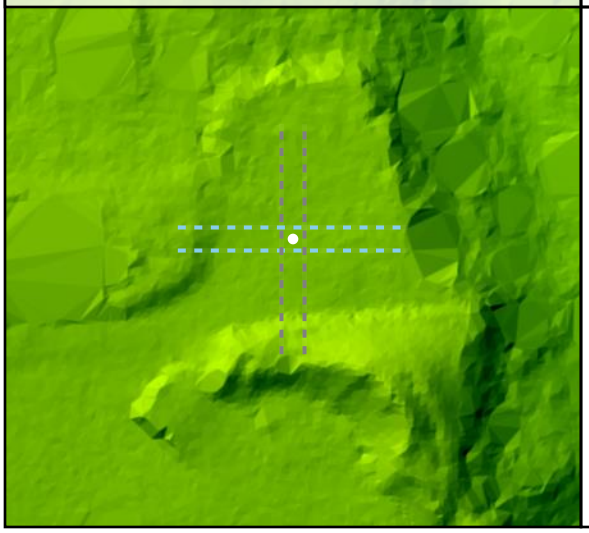
West to East



Intensity Raster



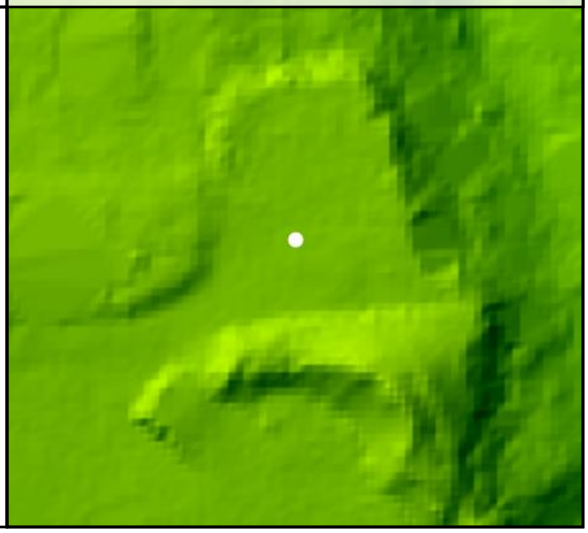
TIN Surface



Project Elevation



DEM Surface



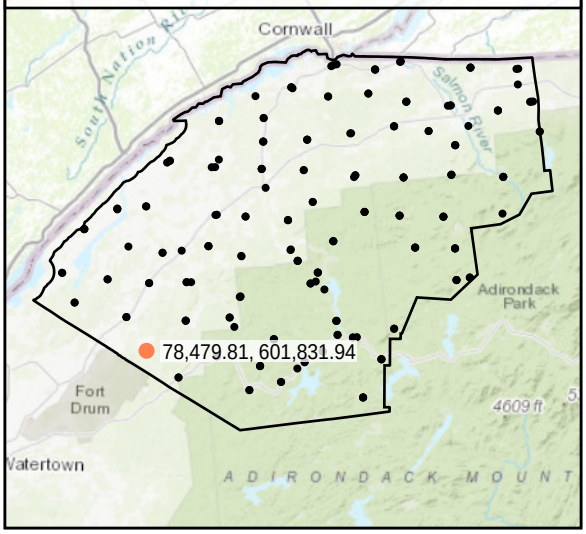
DEM Dz +0.03 m

NVA - BE26

Raw TIN Dz +0.02 m

BE27				
	Known Z	209.35 m	Point Density	6.65 ppsm
	DEM Dz	-0.03 m	Ground Density	5.91 ppsm
	Raw TIN Dz	-0.04 m	Slope	0.51 °

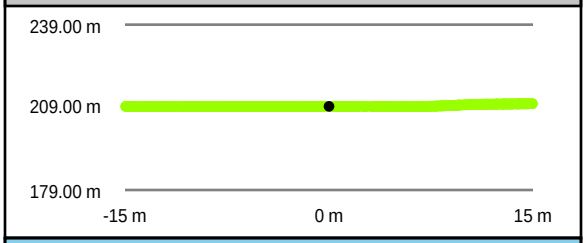
Project Context



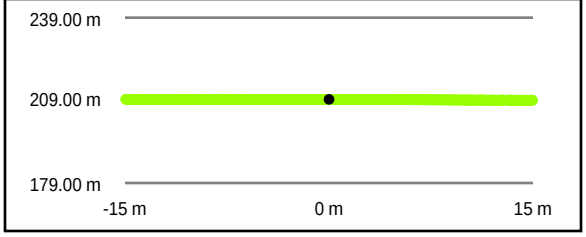
World Imagery



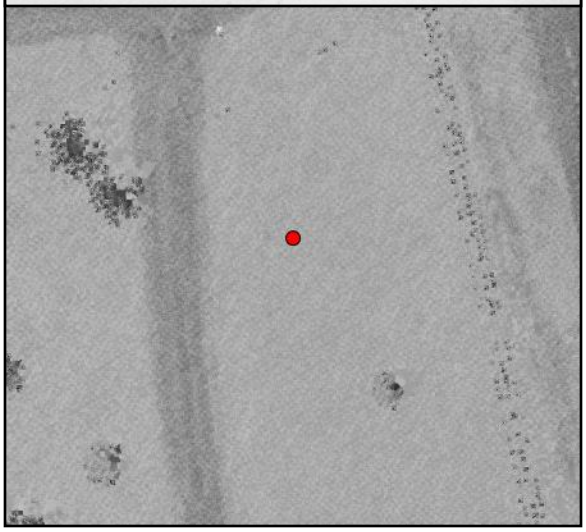
Southeast to Northwest



Southwest to Northeast



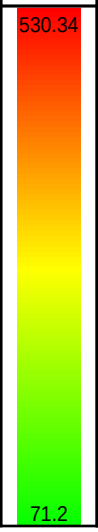
Intensity Raster



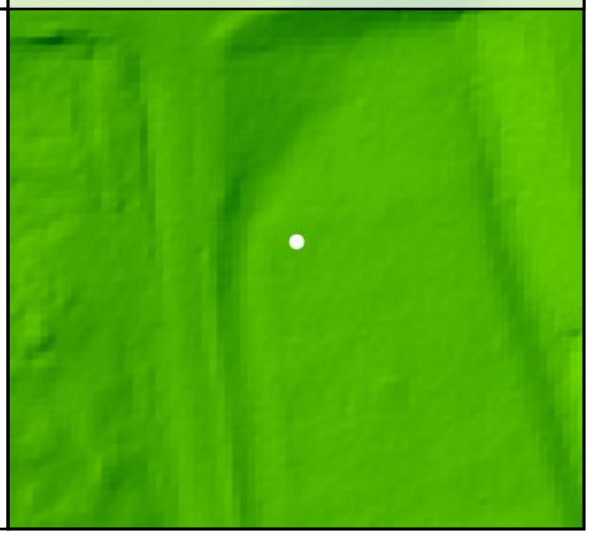
TIN Surface



Project Elevation



DEM Surface



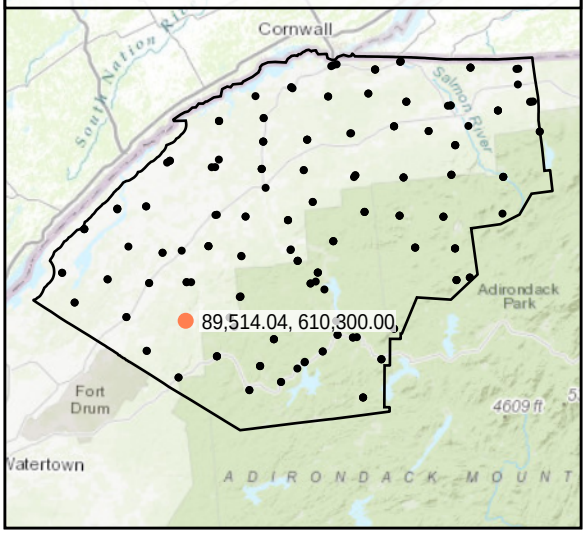
DEM Dz -0.03 m

NVA - BE27

Raw TIN Dz -0.04 m

BE28				
	Known Z	200.55 m	Point Density	3.64 ppsm
	DEM Dz	-0.01 m	Ground Density	3.18 ppsm
	Raw TIN Dz	-0.02 m	Slope	0.69 °

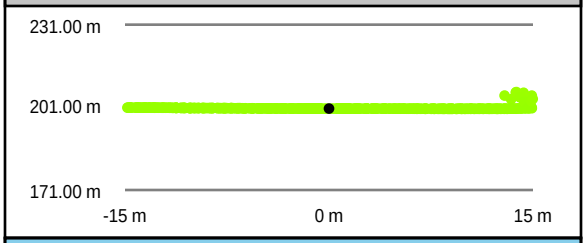
Project Context



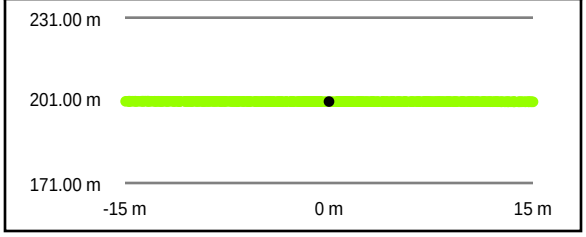
World Imagery



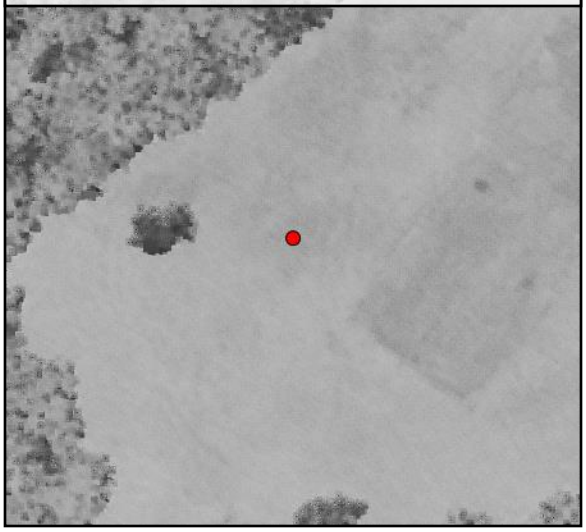
Southeast to Northwest



Southwest to Northeast



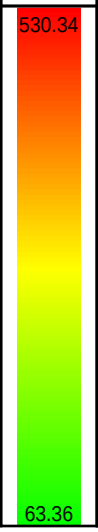
Intensity Raster



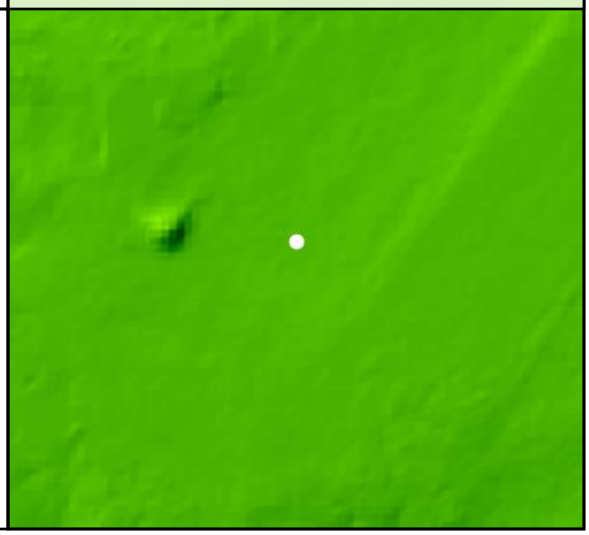
TIN Surface



Project Elevation



DEM Surface



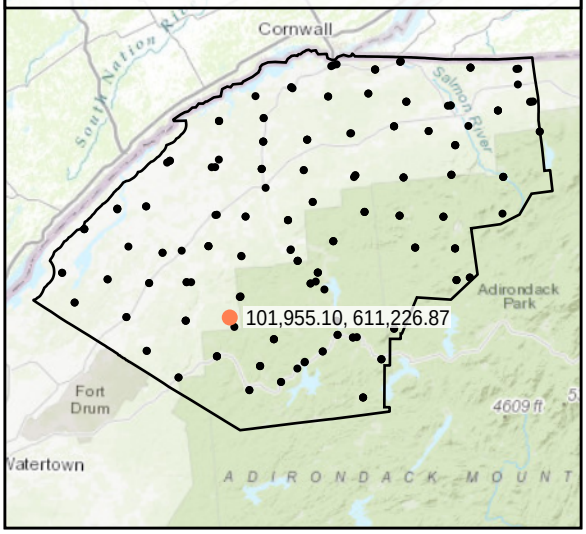
DEM Dz -0.01 m

NVA - BE28

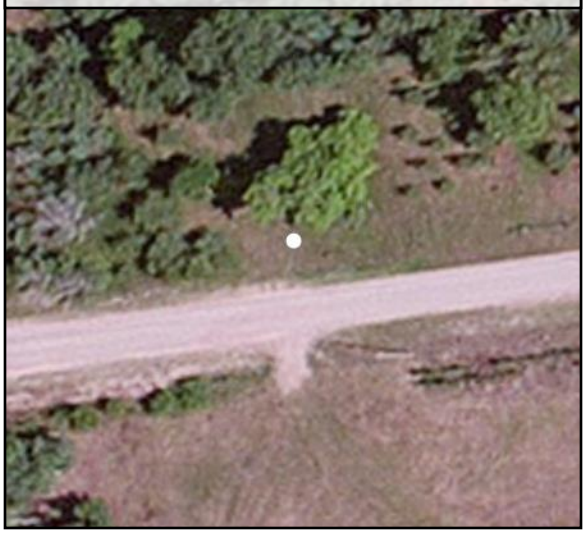
Raw TIN Dz -0.02 m

BE29				
	Known Z	270.01 m	Point Density	2.23 ppsm
	DEM Dz	0.05 m	Ground Density	2.16 ppsm
	Raw TIN Dz	0.06 m	Slope	3.00 °

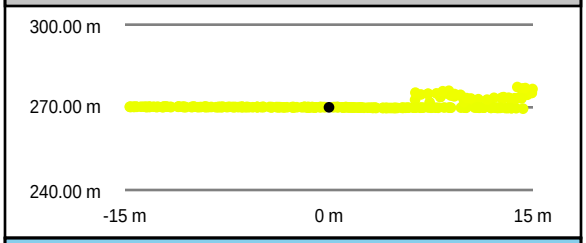
Project Context



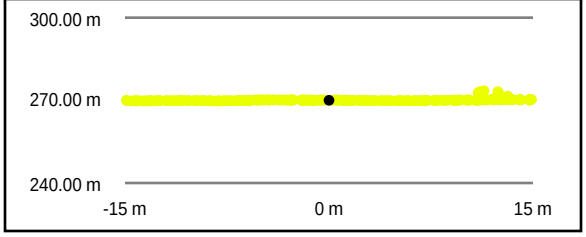
World Imagery



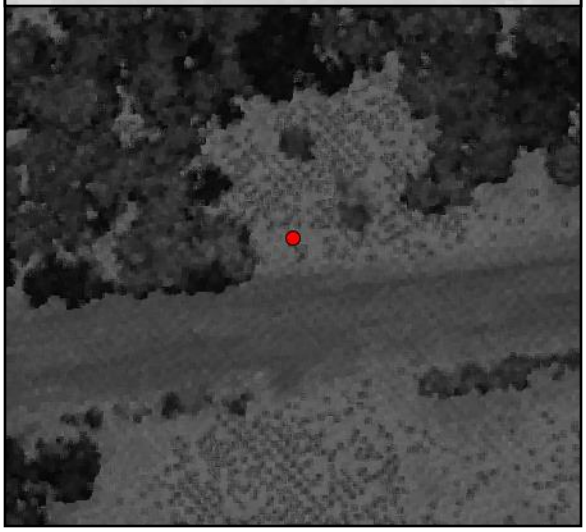
Southeast to Northwest



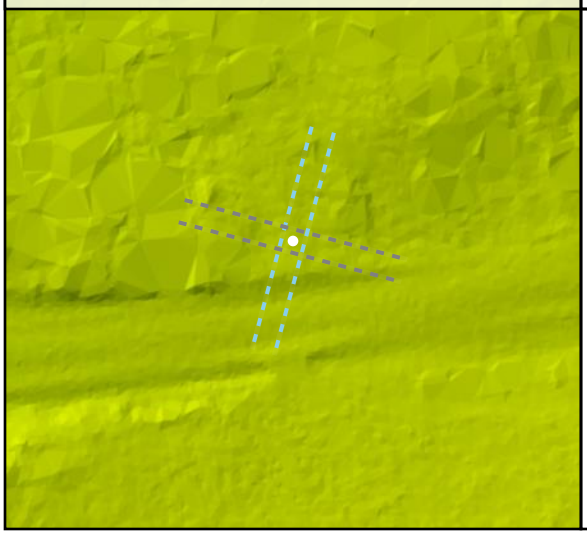
Southwest to Northeast



Intensity Raster



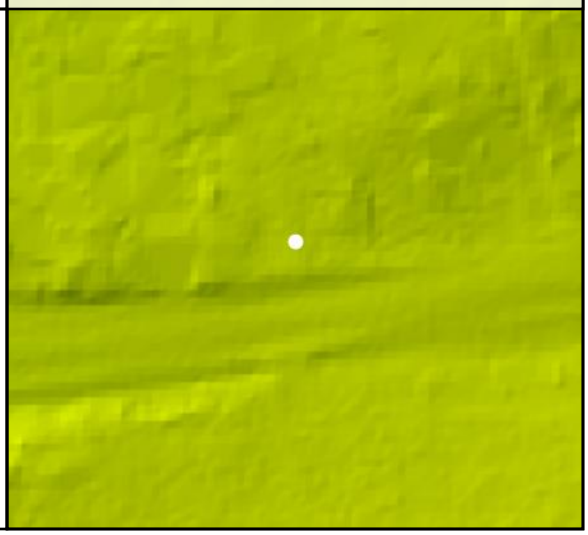
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.05 m

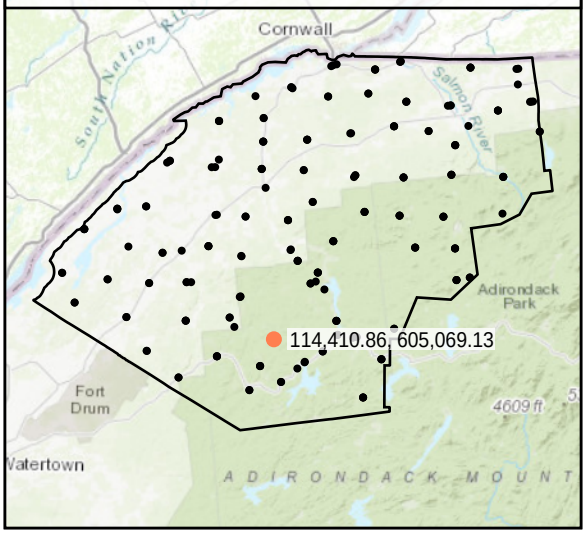
NVA - BE29

Raw TIN Dz +0.06 m

BE30

Known Z	427.25 m	Point Density	5.45 ppsm
DEM Dz	0.08 m	Ground Density	4.77 ppsm
Raw TIN Dz	0.09 m	Slope	2.28 °

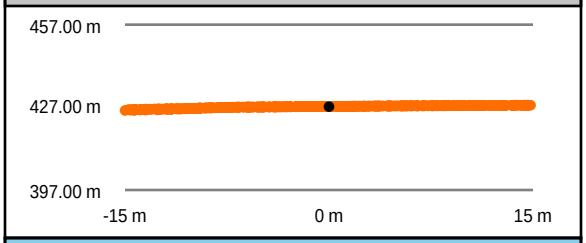
Project Context



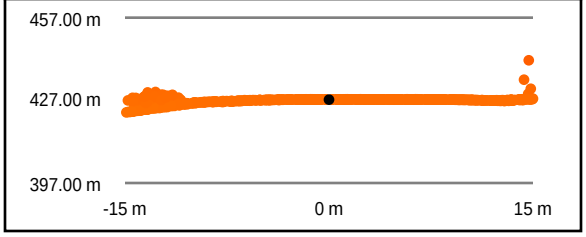
World Imagery



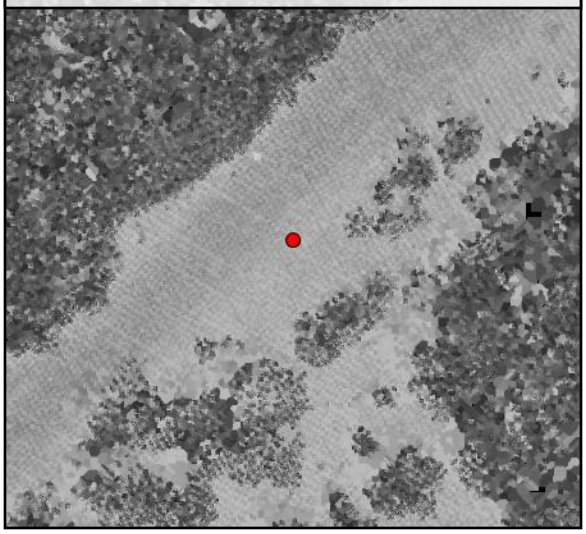
Southwest to Northeast



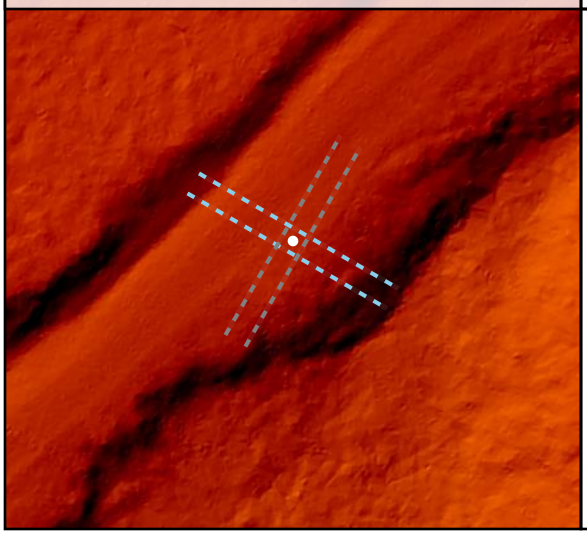
Southeast to Northwest



Intensity Raster



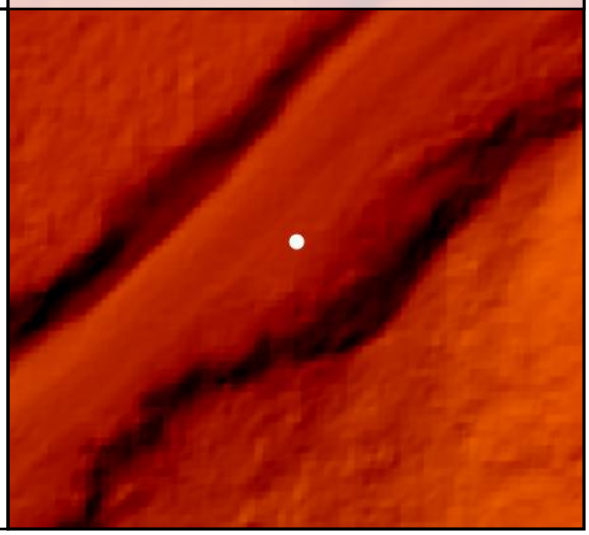
TIN Surface



Project Elevation



DEM Surface



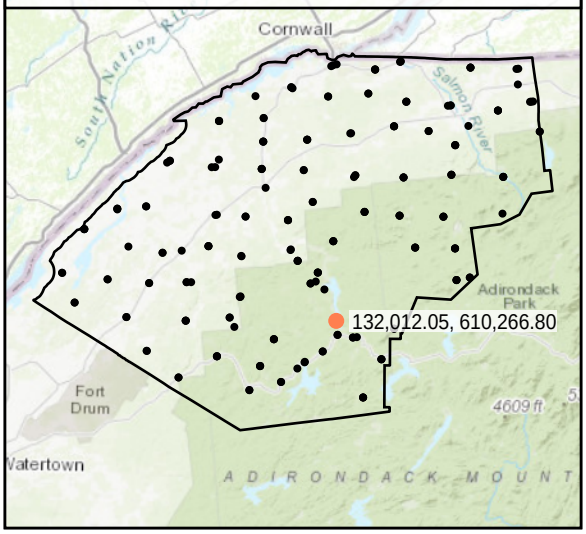
DEM Dz +0.08 m

NVA - BE30

Raw TIN Dz +0.09 m

BE31				
	Known Z	435.39 m	Point Density	2.79 ppsm
	DEM Dz	0.00 m	Ground Density	2.79 ppsm
	Raw TIN Dz	-0.02 m	Slope	0.37 °

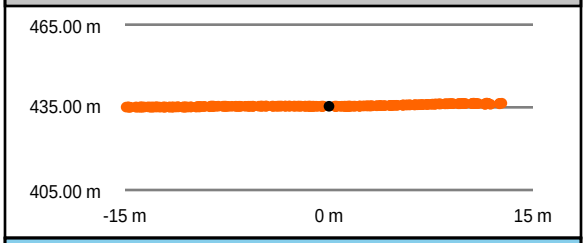
Project Context



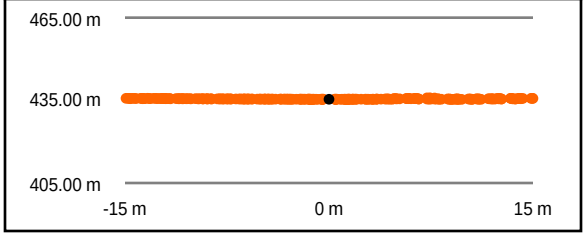
World Imagery



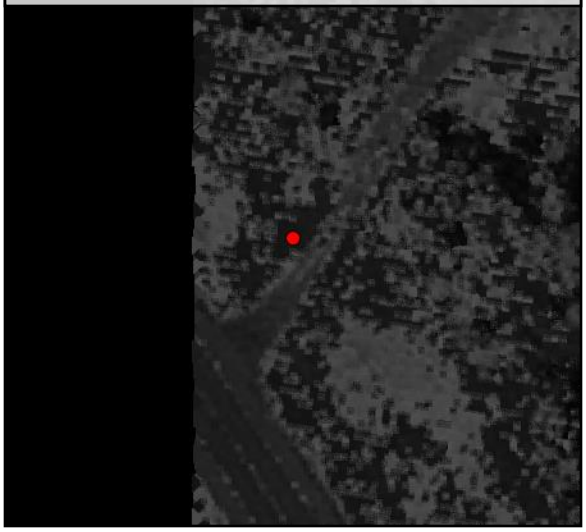
Southeast to Northwest



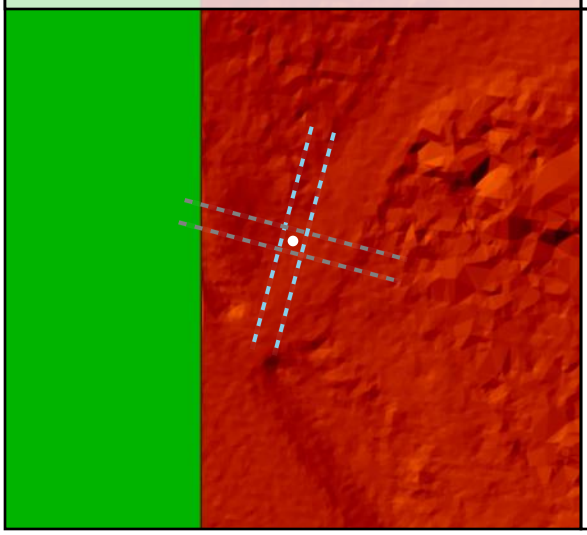
Southwest to Northeast



Intensity Raster



TIN Surface

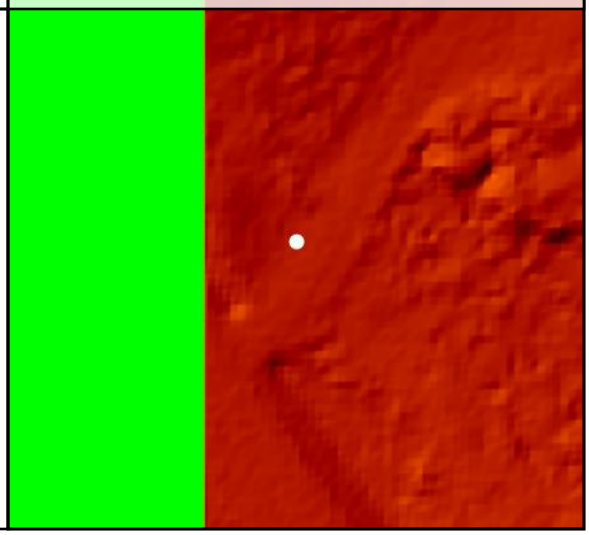


Project Elevation

530.34

48.98

DEM Surface



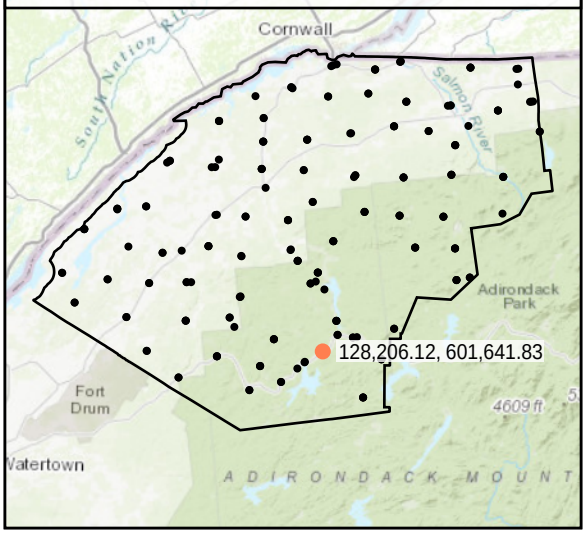
DEM Dz 0.00 m

NVA - BE31

Raw TIN Dz -0.02 m

BE32				
	Known Z	454.48 m	Point Density	2.72 ppsm
	DEM Dz	-0.02 m	Ground Density	2.72 ppsm
	Raw TIN Dz	0.01 m	Slope	4.51 °

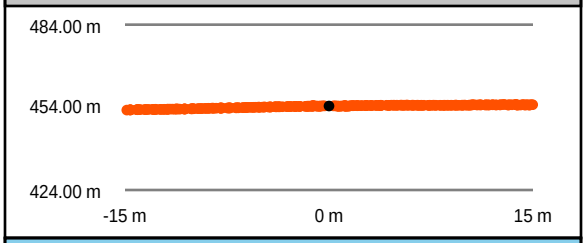
Project Context



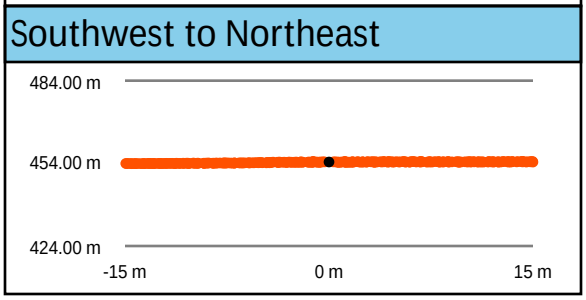
World Imagery



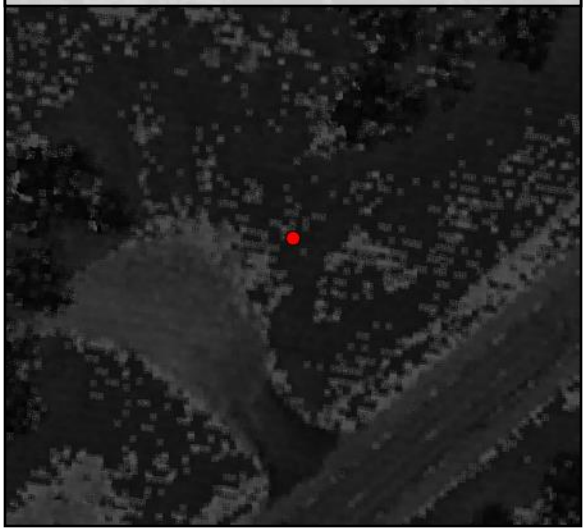
Southeast to Northwest



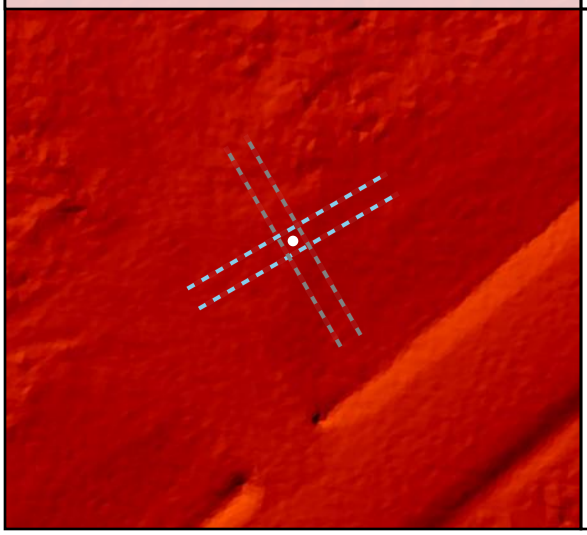
Southwest to Northeast



Intensity Raster



TIN Surface

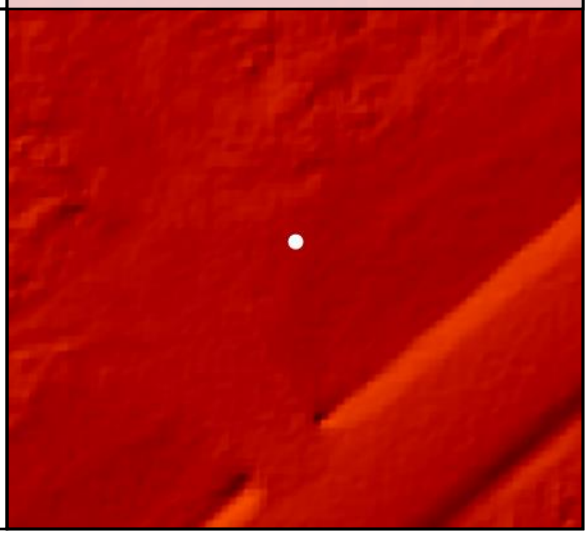


Project Elevation

530.34

48.98

DEM Surface



DEM Dz -0.02 m

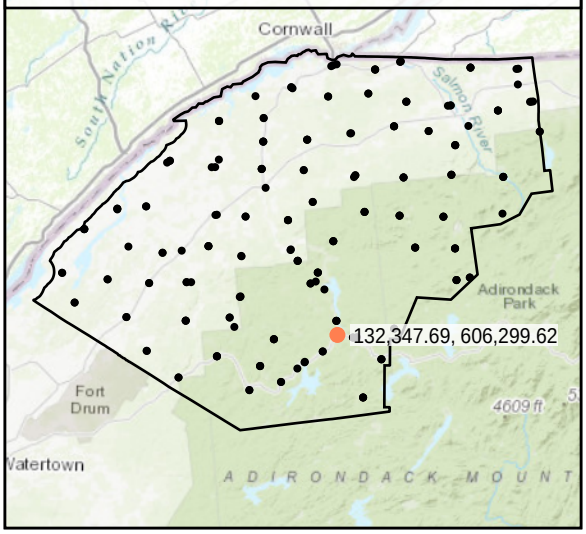
NVA - BE32

Raw TIN Dz +0.01 m

BE33a

Known Z	466.93 m	Point Density	2.86 ppsm
DEM Dz	-0.04 m	Ground Density	2.86 ppsm
Raw TIN Dz	-0.04 m	Slope	3.77 °

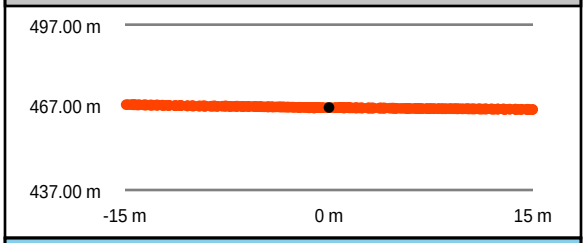
Project Context



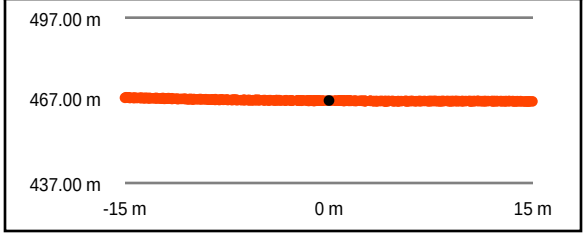
World Imagery



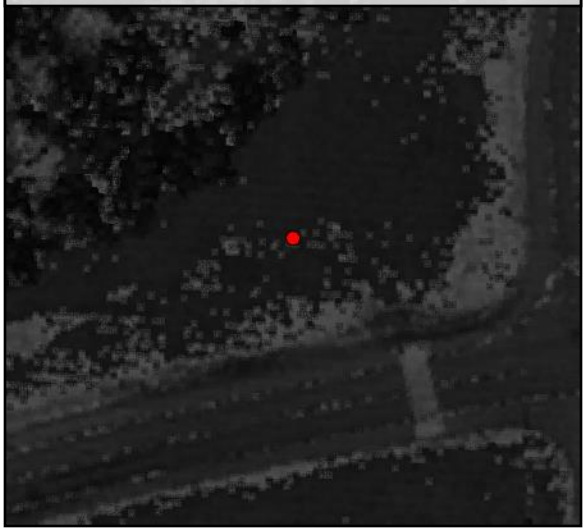
Southeast to Northwest



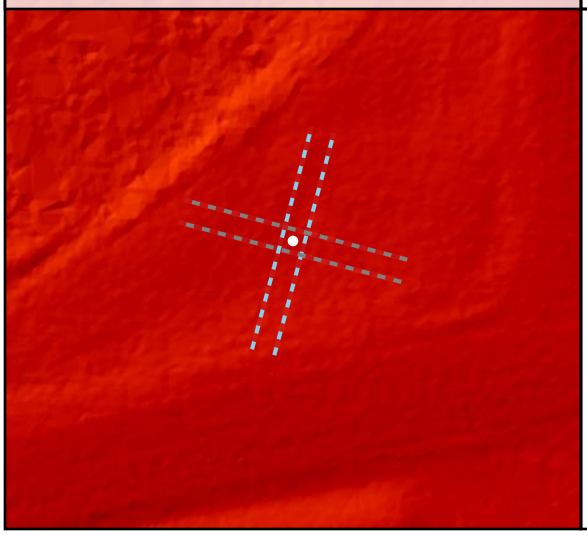
Southwest to Northeast



Intensity Raster



TIN Surface

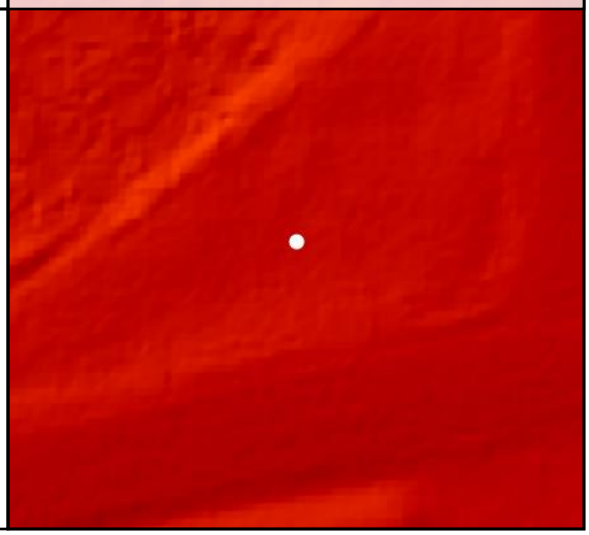


Project Elevation

530.34

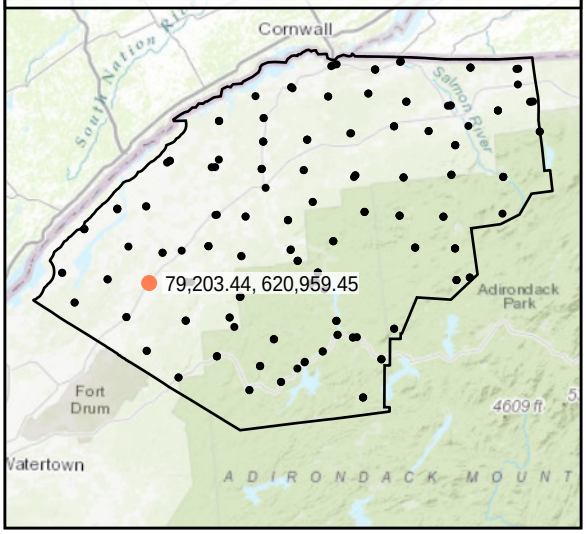
48.98

DEM Surface



BE34				
	Known Z	122.65 m	Point Density	5.52 ppsm
	DEM Dz	0.02 m	Ground Density	4.92 ppsm
	Raw TIN Dz	0.02 m	Slope	2.94 °

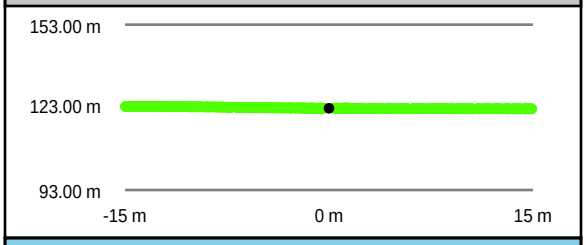
Project Context



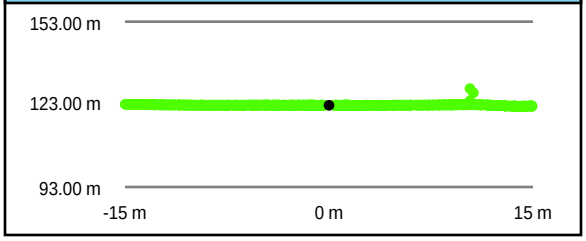
World Imagery



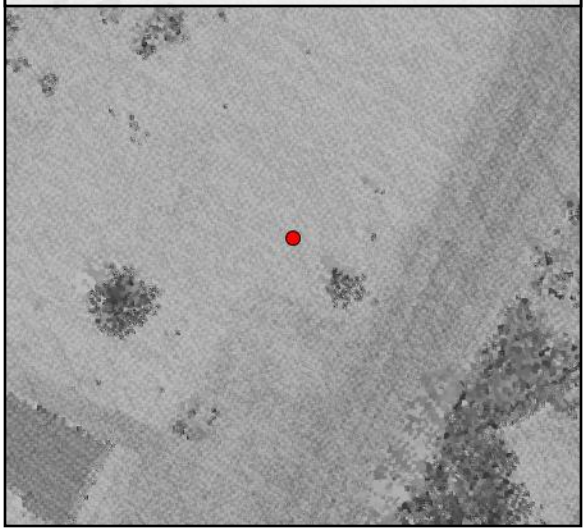
South to North



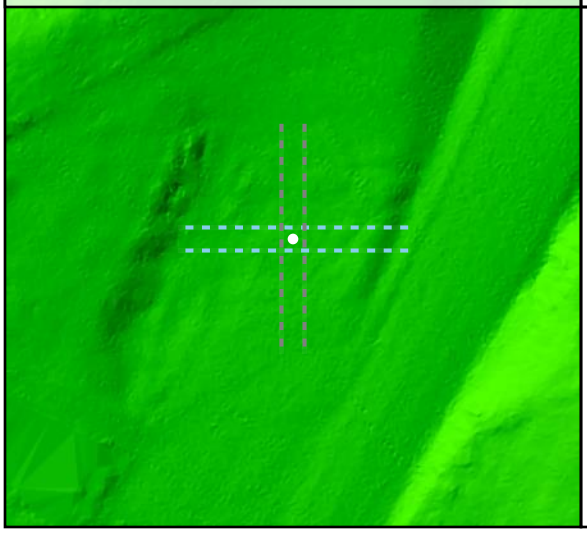
West to East



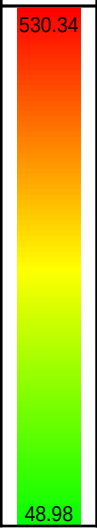
Intensity Raster



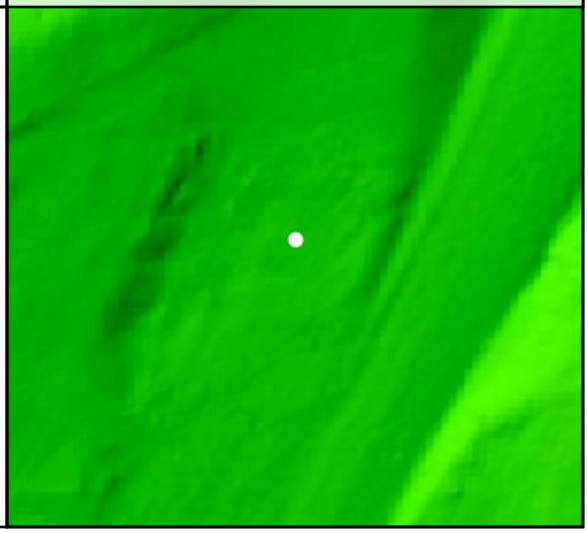
TIN Surface



Project Elevation



DEM Surface



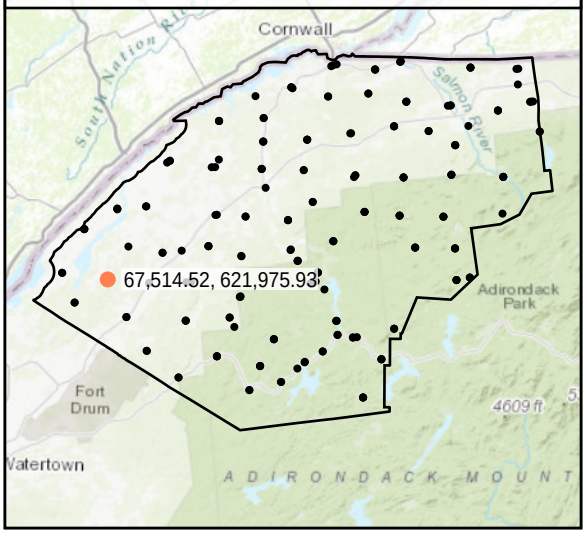
DEM Dz +0.02 m

NVA - BE34

Raw TIN Dz +0.02 m

BE35				
	Known Z	118.02 m	Point Density	3.71 ppsm
	DEM Dz	-0.03 m	Ground Density	3.43 ppsm
	Raw TIN Dz	-0.01 m	Slope	1.54 °

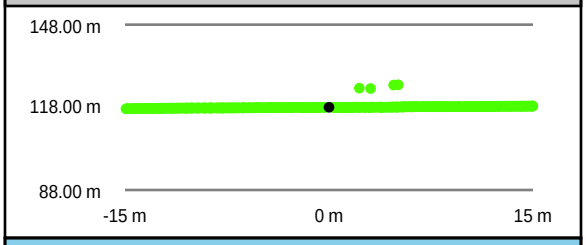
Project Context



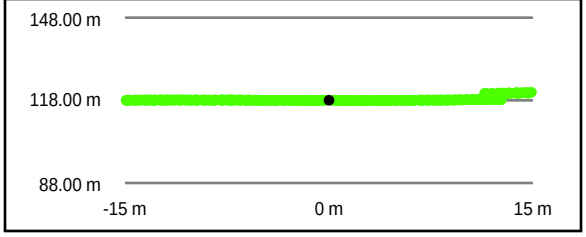
World Imagery



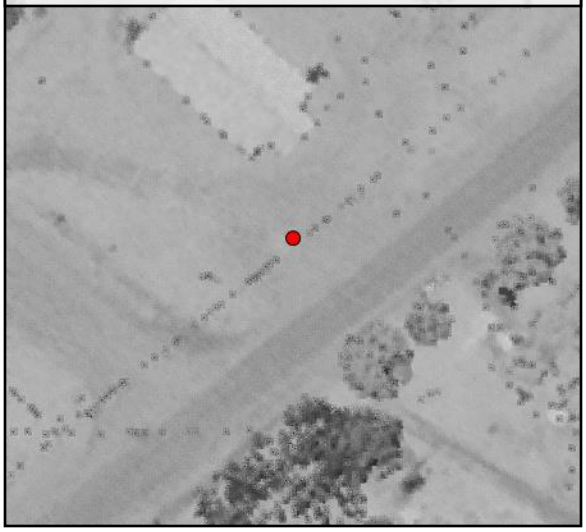
Southwest to Northeast



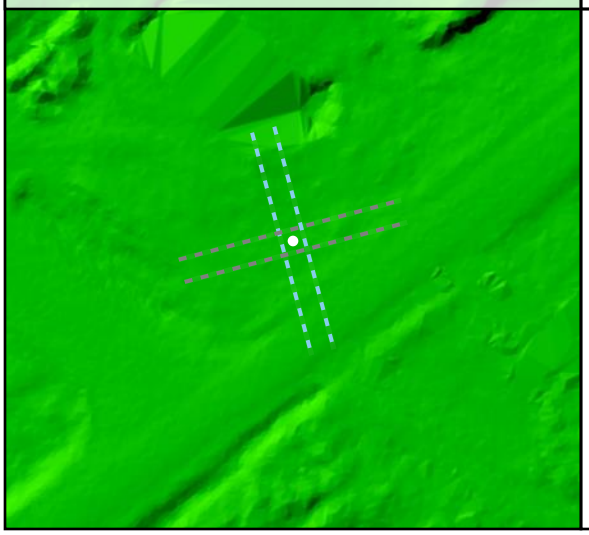
Southeast to Northwest



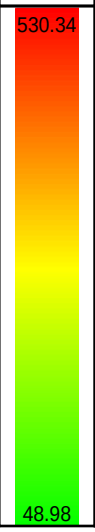
Intensity Raster



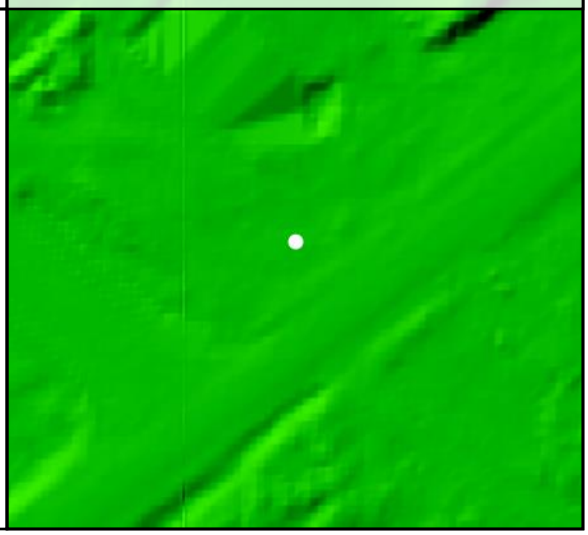
TIN Surface



Project Elevation



DEM Surface



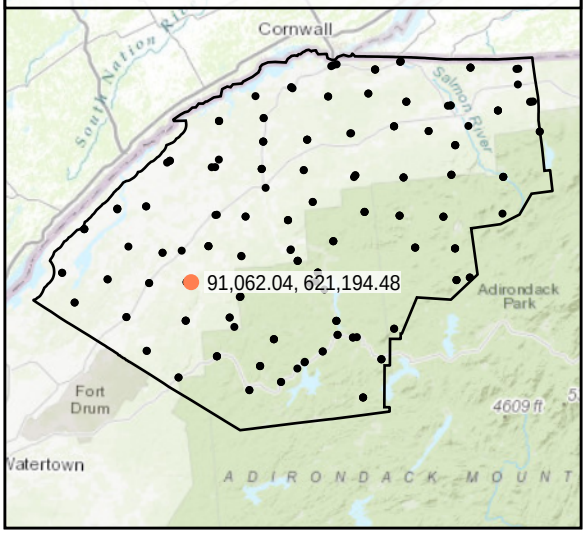
DEM Dz -0.03 m

NVA - BE35

Raw TIN Dz -0.01 m

BE36				
	Known Z	213.00 m	Point Density	5.20 ppsm
	DEM Dz	-0.08 m	Ground Density	4.70 ppsm
	Raw TIN Dz	-0.08 m	Slope	0.84 °

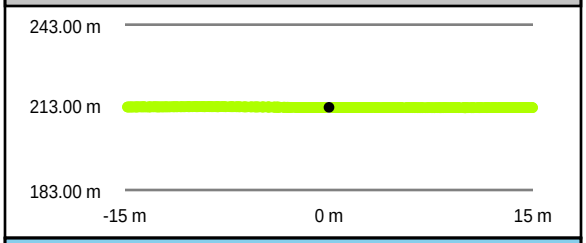
Project Context



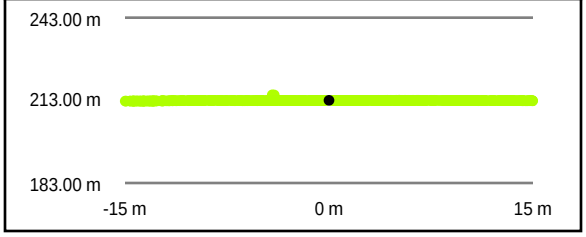
World Imagery



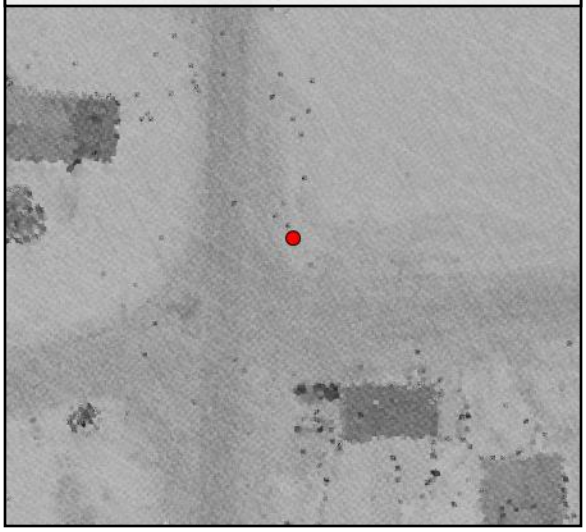
Southwest to Northeast



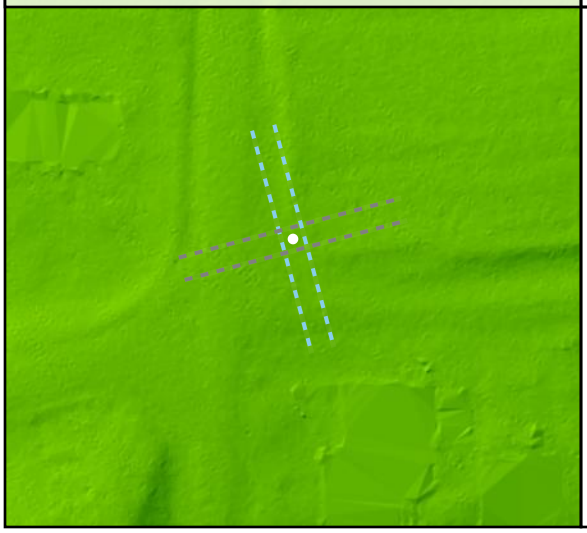
Southeast to Northwest



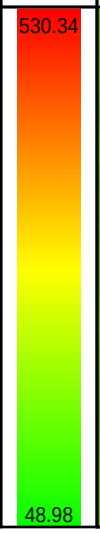
Intensity Raster



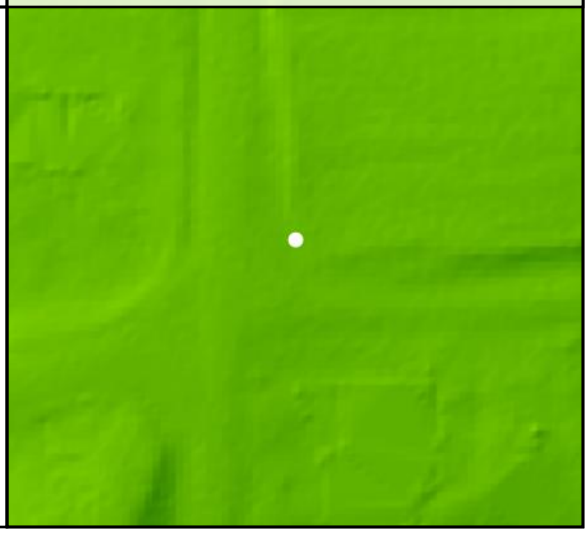
TIN Surface



Project Elevation



DEM Surface



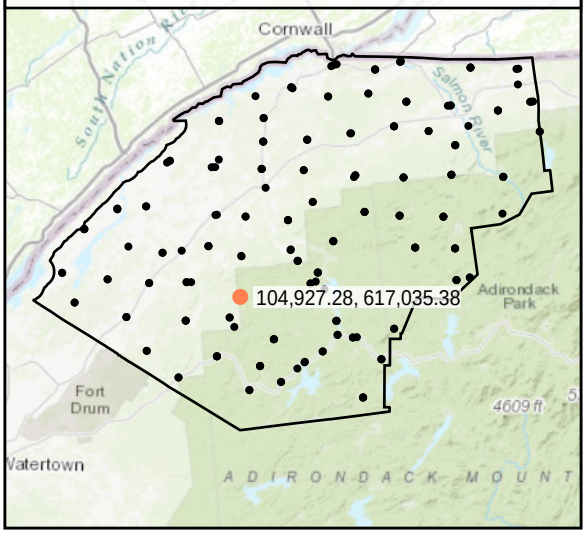
DEM Dz -0.08 m

NVA - BE36

Raw TIN Dz -0.08 m

BE37				
	Known Z	247.79 m	Point Density	2.65 ppsm
	DEM Dz	-0.03 m	Ground Density	2.65 ppsm
	Raw TIN Dz	-0.04 m	Slope	0.53 °

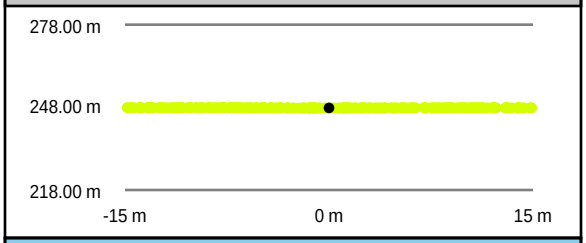
Project Context



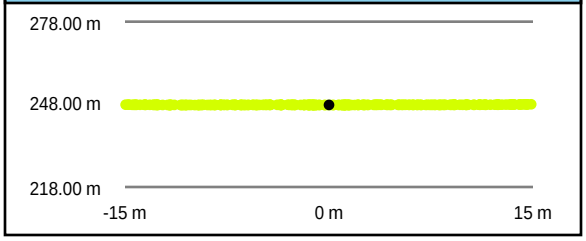
World Imagery



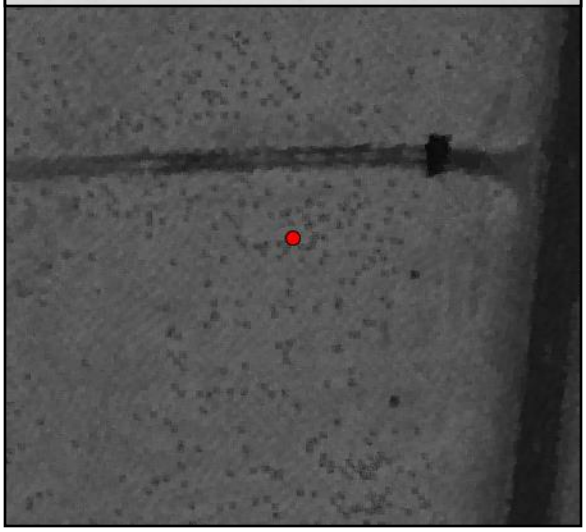
West to East



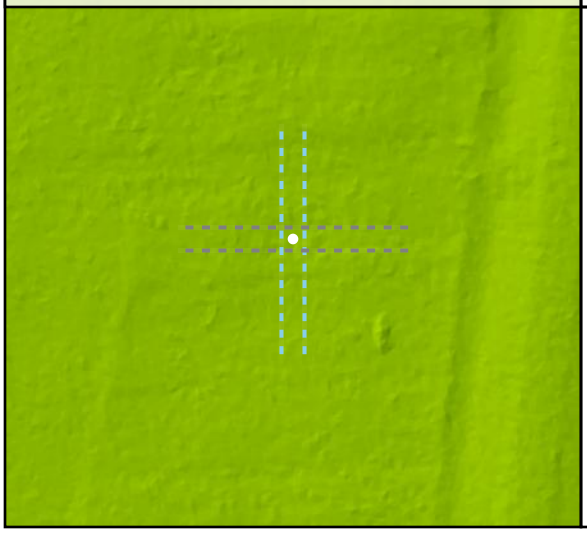
South to North



Intensity Raster



TIN Surface

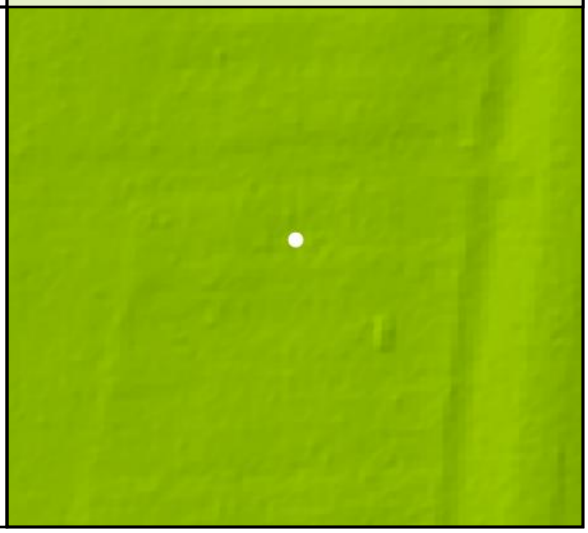


Project Elevation

530.34

48.98

DEM Surface



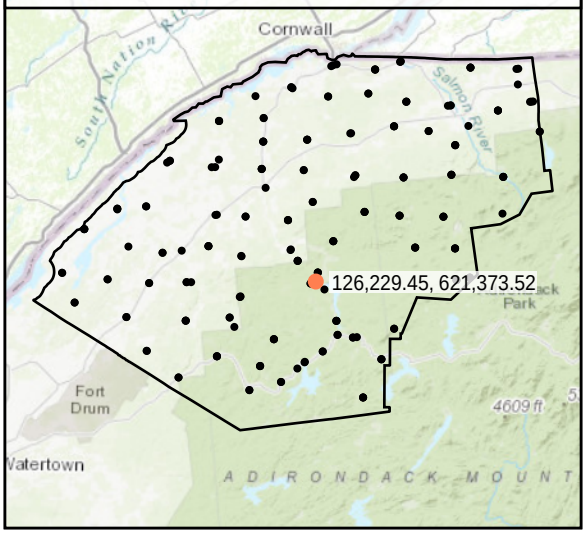
DEM Dz -0.03 m

NVA - BE37

Raw TIN Dz -0.04 m

BE38				
	Known Z	404.49 m	Point Density	6.22 ppsm
	DEM Dz	0.13 m	Ground Density	5.91 ppsm
	Raw TIN Dz	0.13 m	Slope	1.26 °

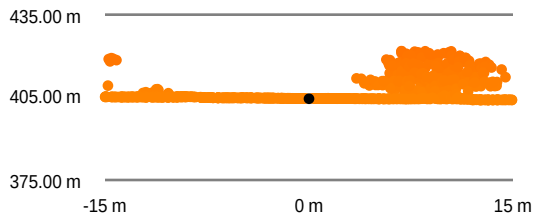
Project Context



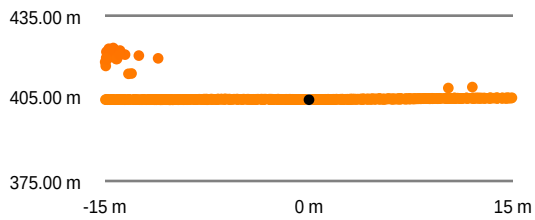
World Imagery



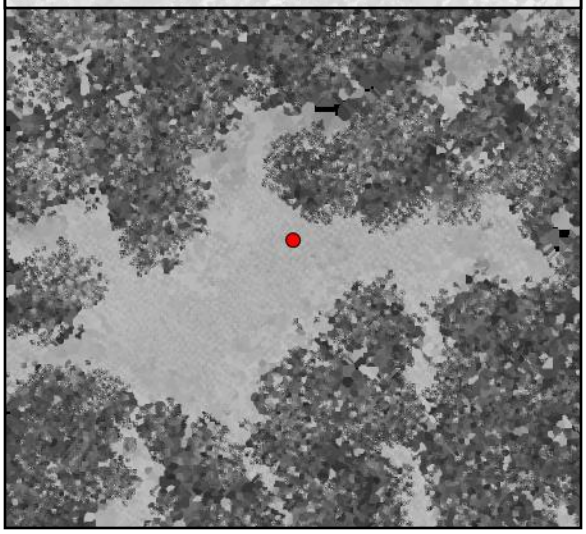
South to North



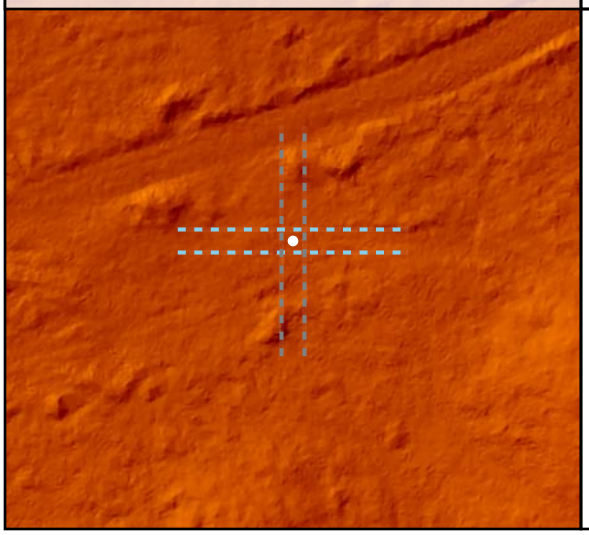
West to East



Intensity Raster



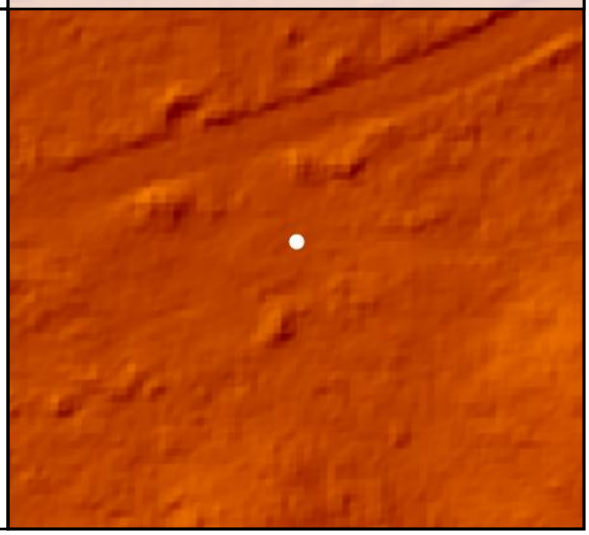
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.13 m

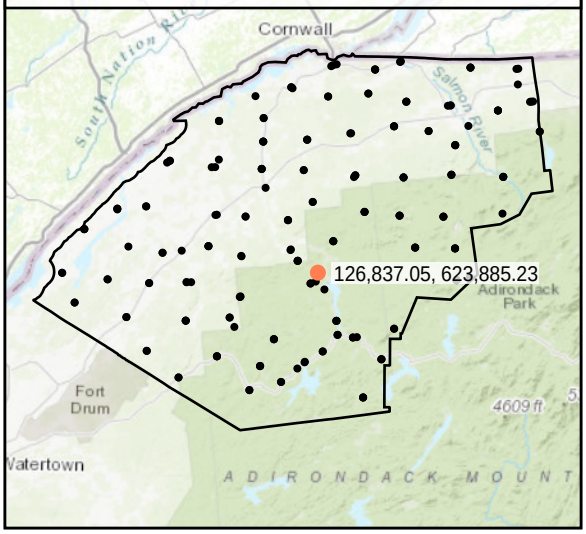
NVA - BE38

Raw TIN Dz +0.13 m

BE39

Known Z	398.05 m	Point Density	4.35 ppsm
DEM Dz	0.01 m	Ground Density	4.14 ppsm
Raw TIN Dz	0.03 m	Slope	0.88 °

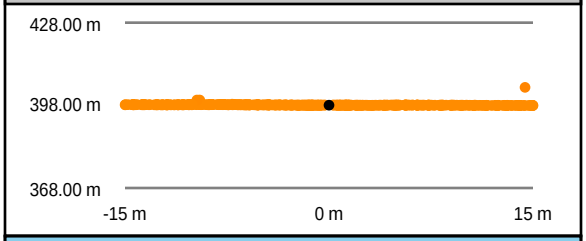
Project Context



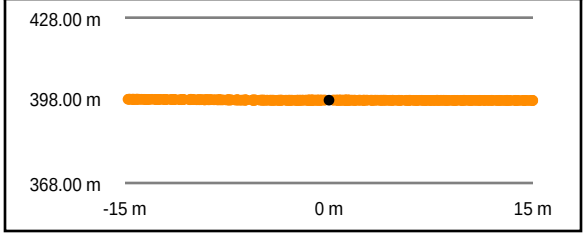
World Imagery



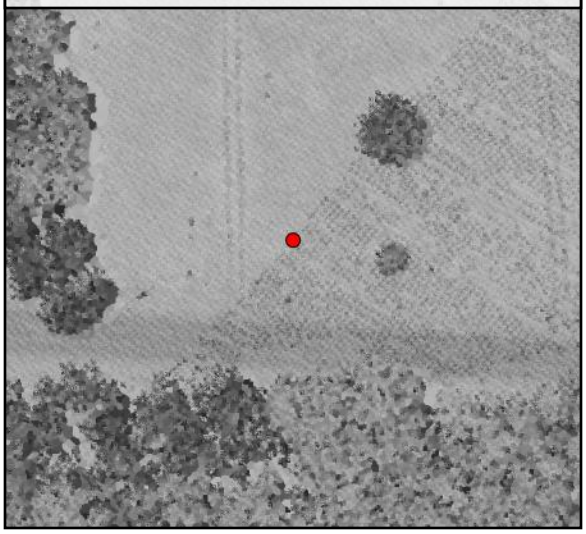
Southwest to Northeast



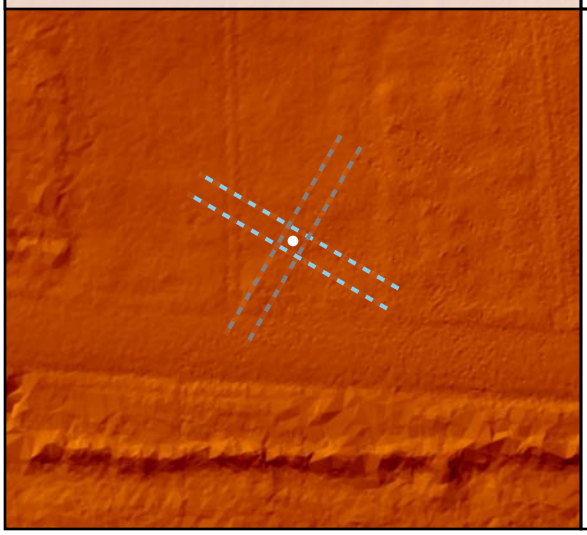
Southeast to Northwest



Intensity Raster



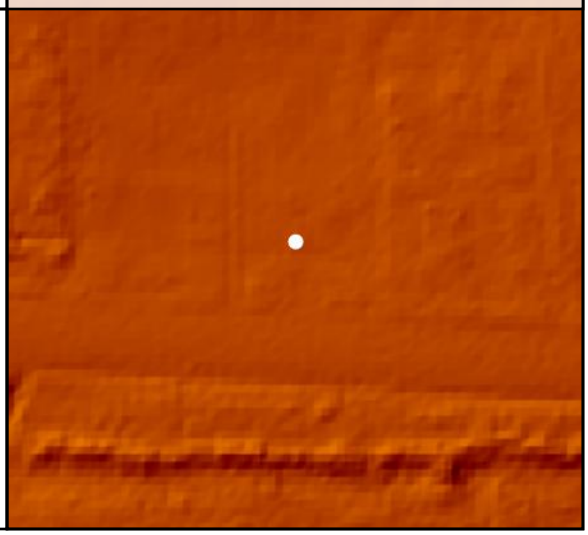
TIN Surface



Project Elevation



DEM Surface



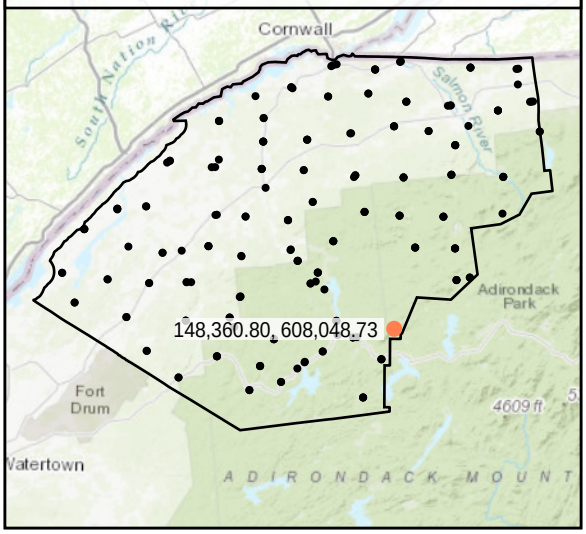
DEM Dz +0.01 m

NVA - BE39

Raw TIN Dz +0.03 m

BE40				
	Known Z	464.14 m	Point Density	2.26 ppsm
	DEM Dz	-0.05 m	Ground Density	2.16 ppsm
	Raw TIN Dz	-0.02 m	Slope	3.10 °

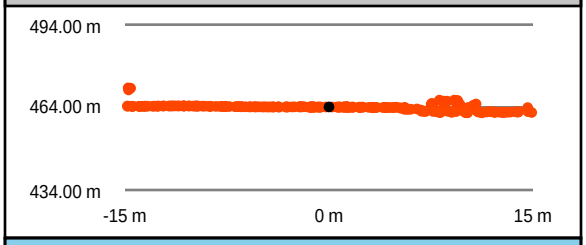
Project Context



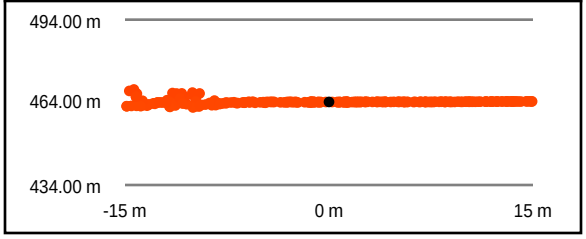
World Imagery



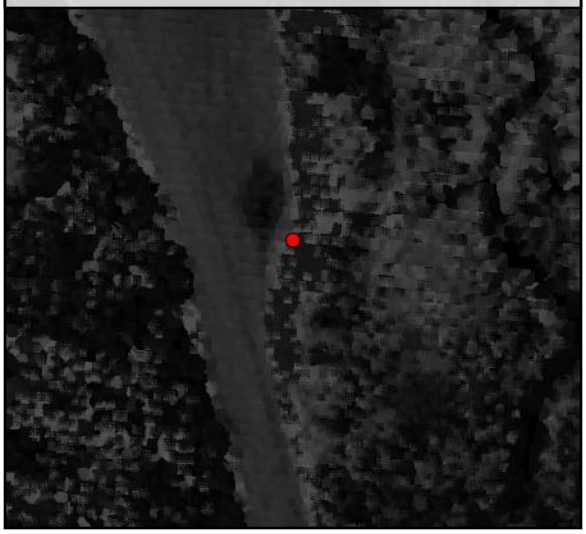
Southwest to Northeast



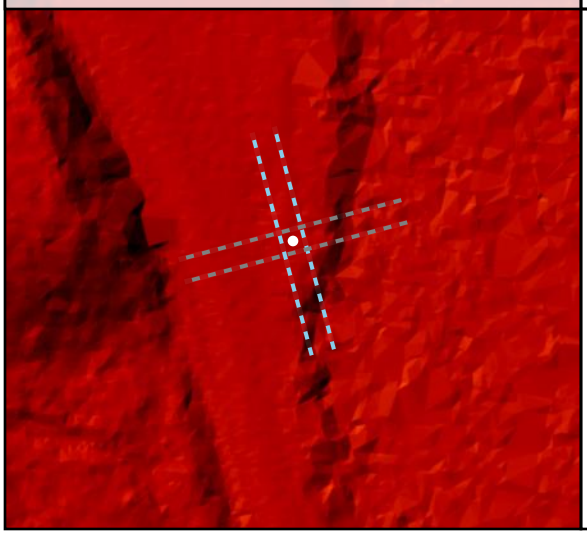
Southeast to Northwest



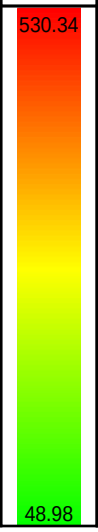
Intensity Raster



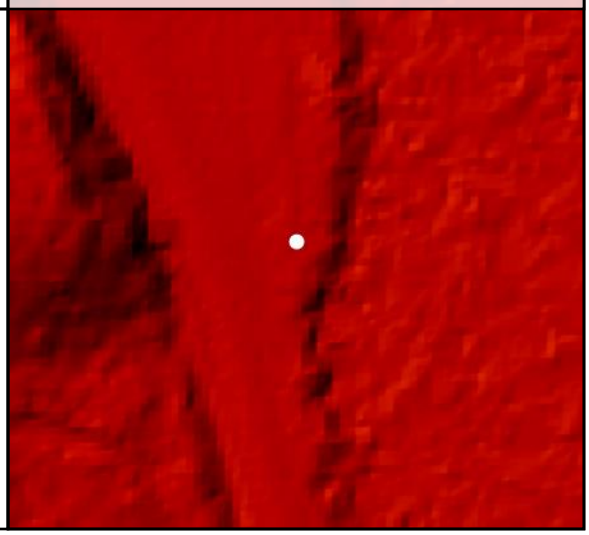
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.05 m

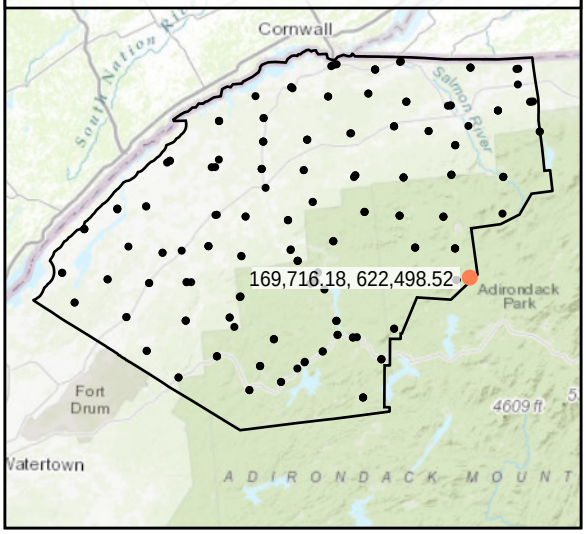
NVA - BE40

Raw TIN Dz -0.02 m

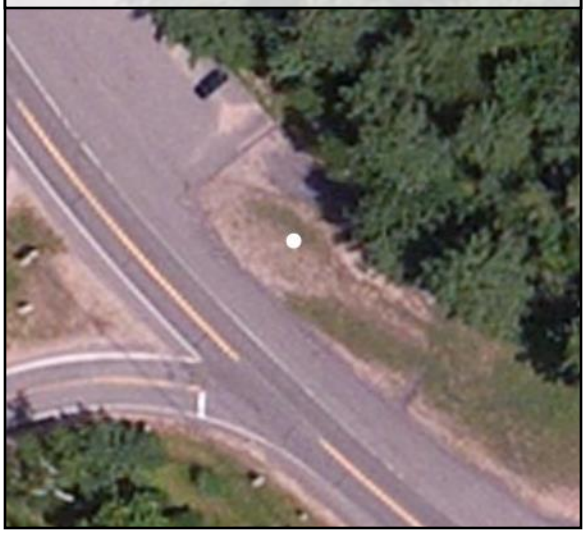
BE41a

Known Z	507.84 m	Point Density	2.02 ppsm
DEM Dz	-0.02 m	Ground Density	2.02 ppsm
Raw TIN Dz	-0.02 m	Slope	2.71 °

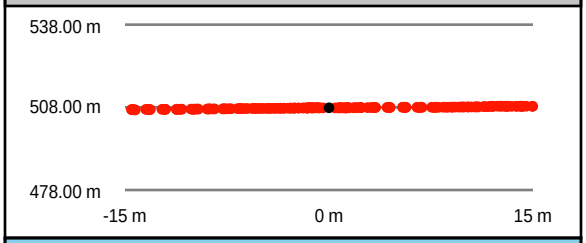
Project Context



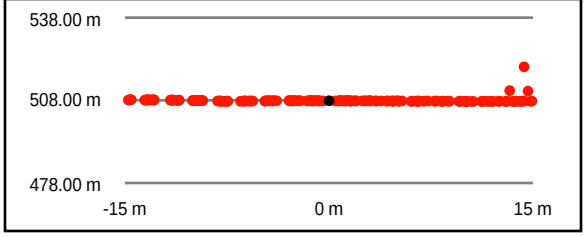
World Imagery



Southeast to Northwest



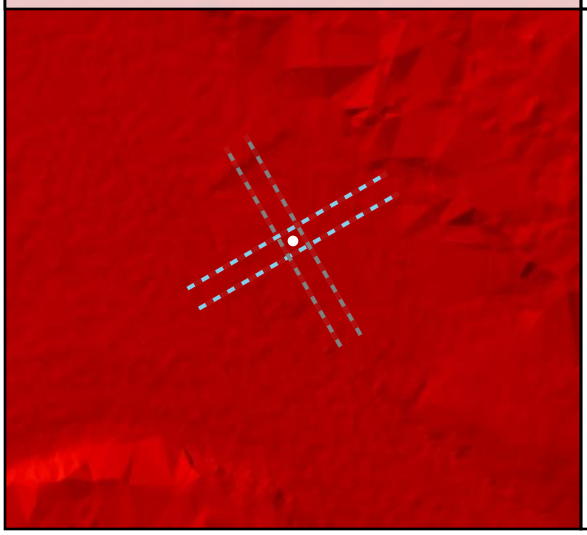
Southwest to Northeast



Intensity Raster



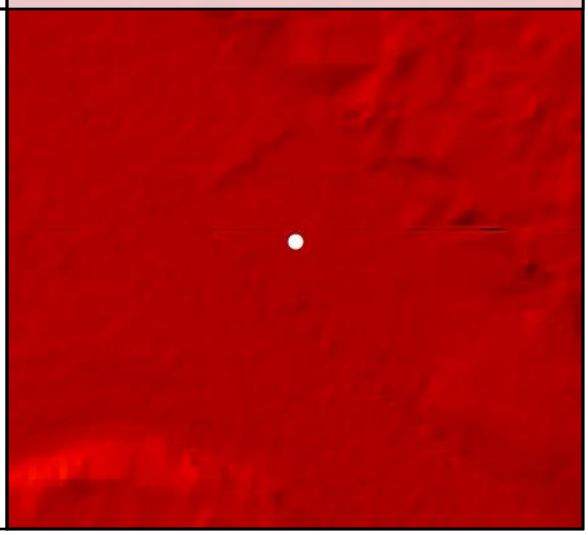
TIN Surface



Project Elevation



DEM Surface



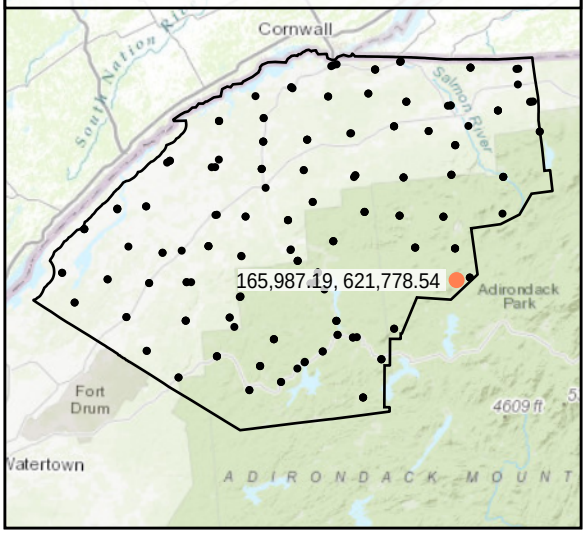
DEM Dz -0.02 m

NVA - BE41a

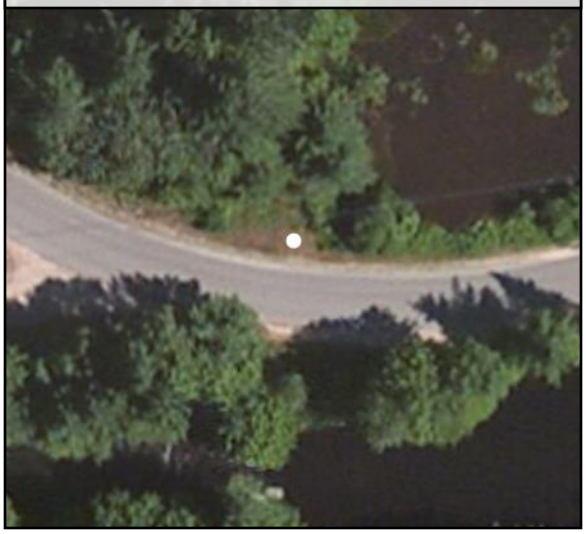
Raw TIN Dz -0.02 m

BE42				
	Known Z	494.65 m	Point Density	2.09 ppsm
	DEM Dz	-0.01 m	Ground Density	2.09 ppsm
	Raw TIN Dz	0.00 m	Slope	0.62 °

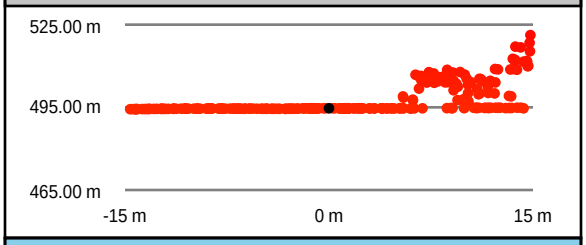
Project Context



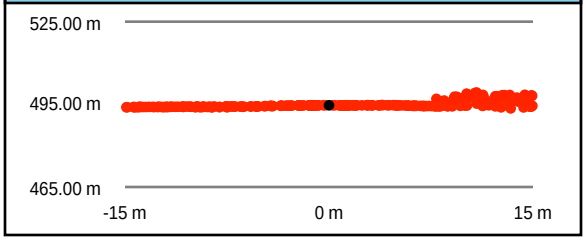
World Imagery



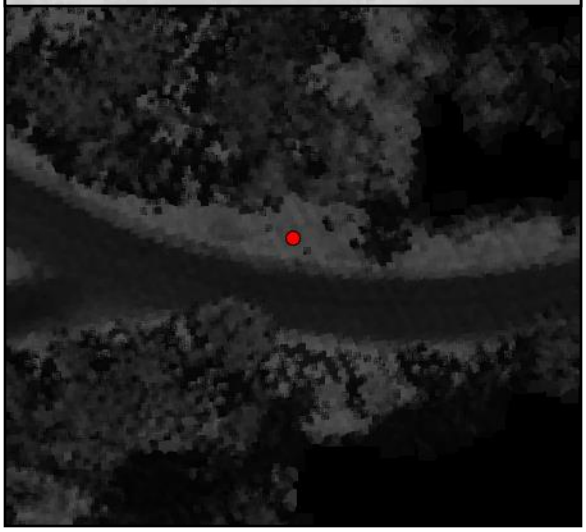
South to North



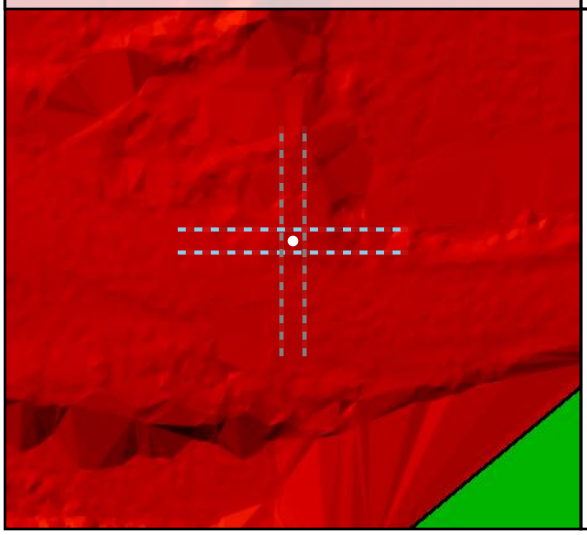
West to East



Intensity Raster



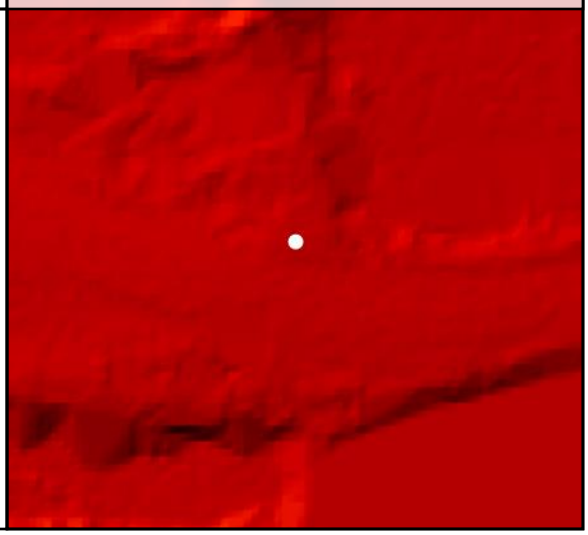
TIN Surface



Project Elevation



DEM Surface



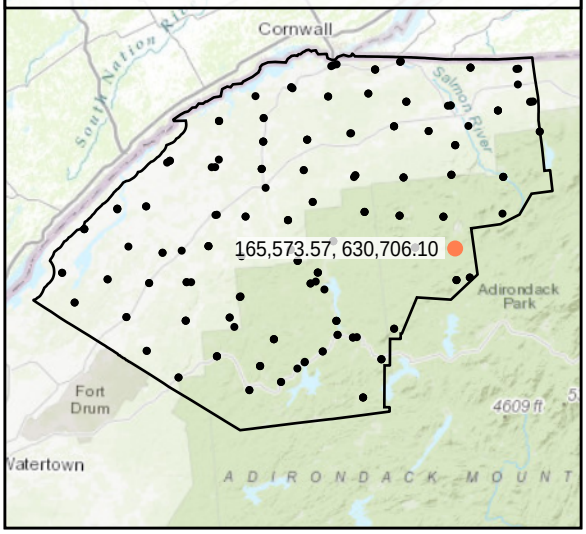
DEM Dz -0.01 m

NVA - BE42

Raw TIN Dz 0.00 m

BE43				
	Known Z	504.36 m	Point Density	1.77 ppsm
	DEM Dz	-0.03 m	Ground Density	1.77 ppsm
	Raw TIN Dz	-0.03 m	Slope	1.35 °

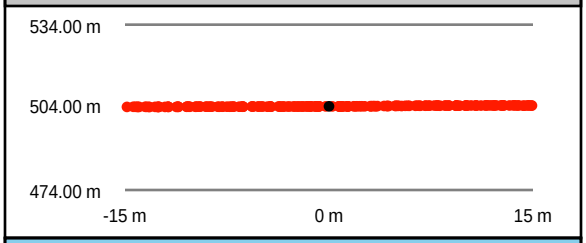
Project Context



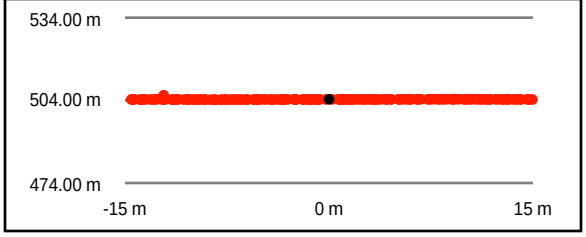
World Imagery



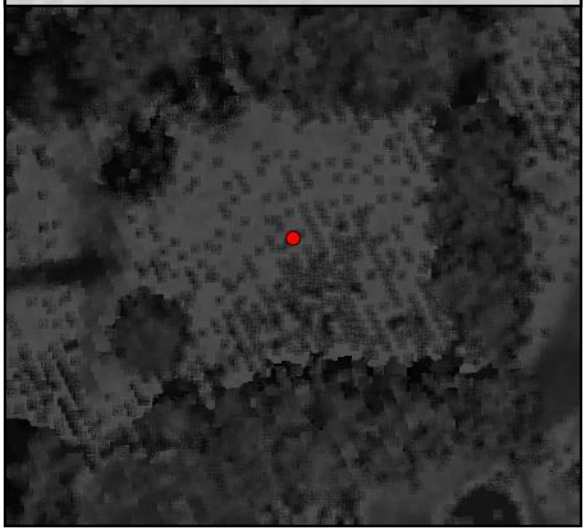
Southeast to Northwest



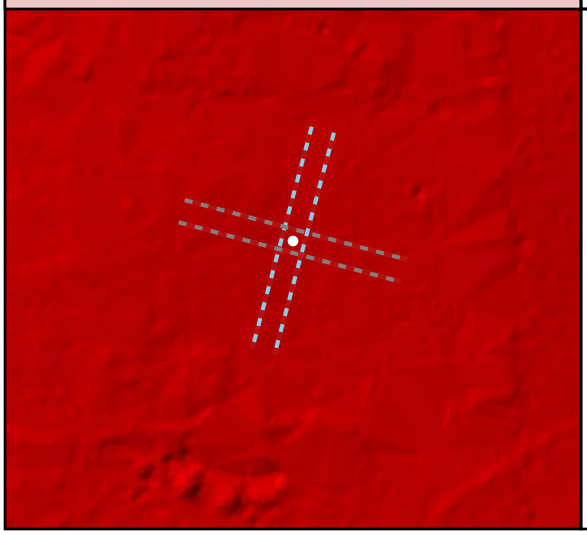
Southwest to Northeast



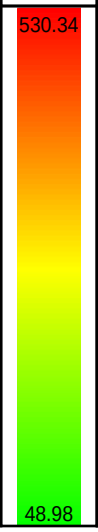
Intensity Raster



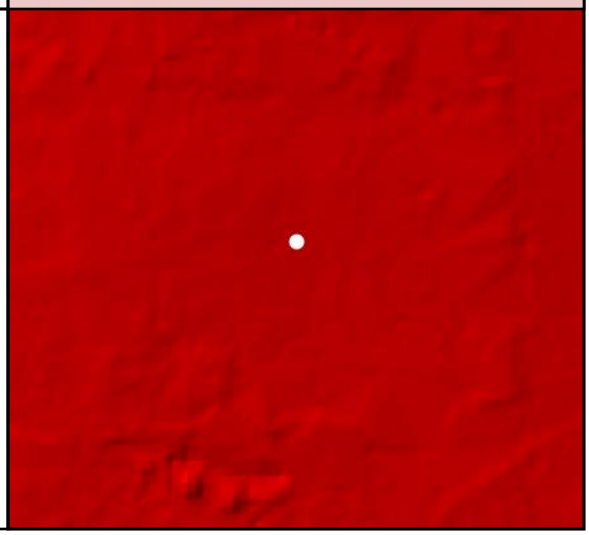
TIN Surface



Project Elevation



DEM Surface



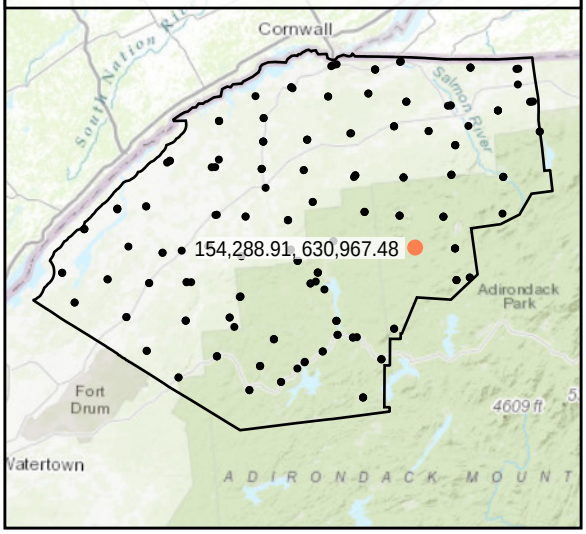
DEM Dz -0.03 m

NVA - BE43

Raw TIN Dz -0.03 m

BE44				
	Known Z	474.72 m	Point Density	1.95 ppsm
	DEM Dz	-0.02 m	Ground Density	1.91 ppsm
	Raw TIN Dz	-0.03 m	Slope	0.60 °

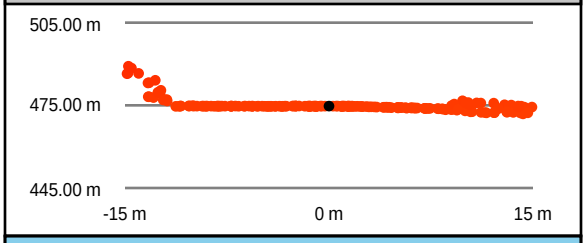
Project Context



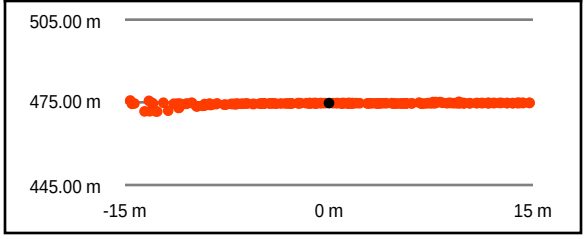
World Imagery



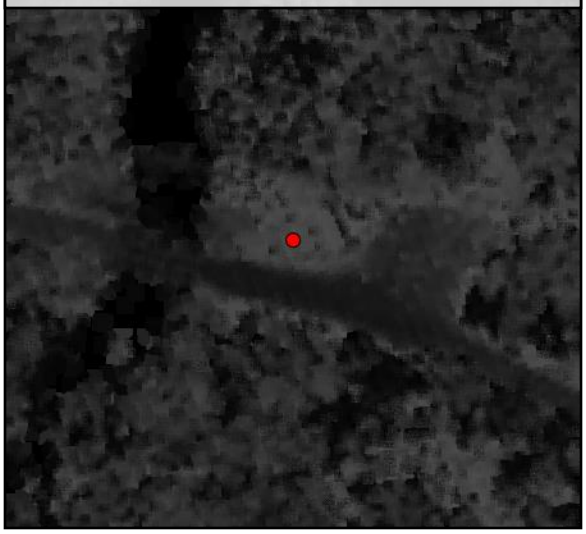
South to North



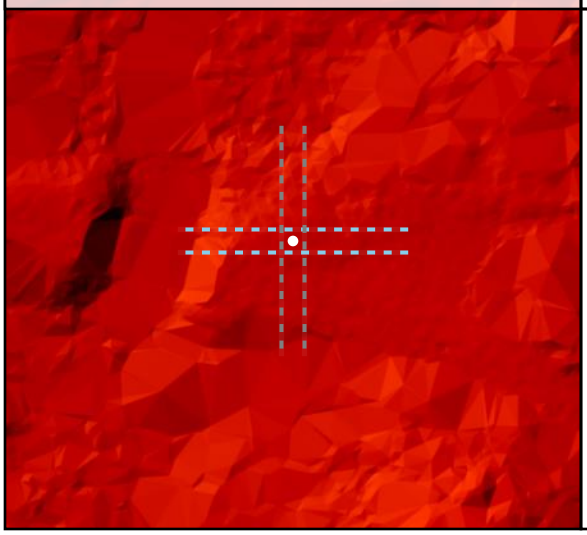
West to East



Intensity Raster



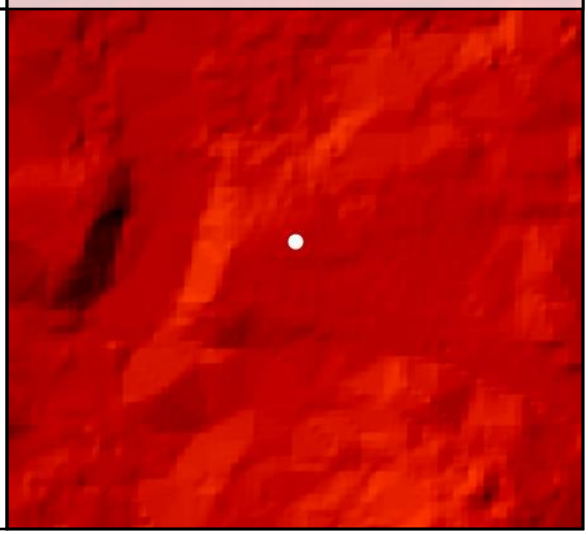
TIN Surface



Project Elevation



DEM Surface



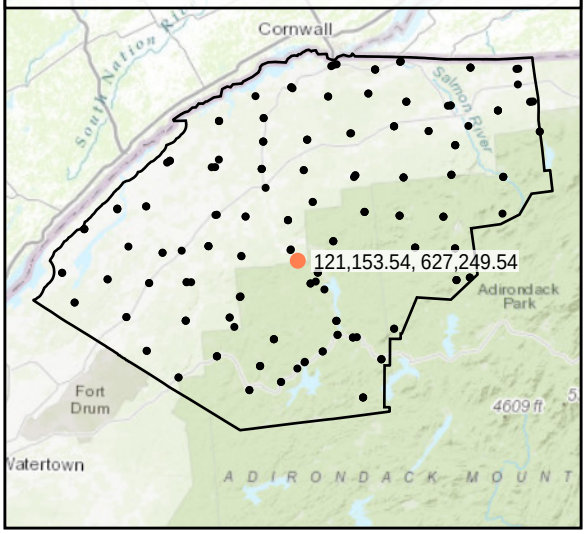
DEM Dz -0.02 m

NVA - BE44

Raw TIN Dz -0.03 m

BE45				
	Known Z	365.23 m	Point Density	2.55 ppsm
	DEM Dz	0.01 m	Ground Density	2.48 ppsm
	Raw TIN Dz	0.02 m	Slope	0.52 °

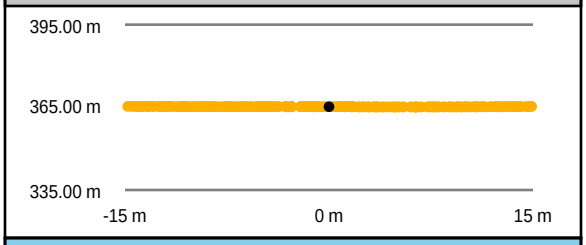
Project Context



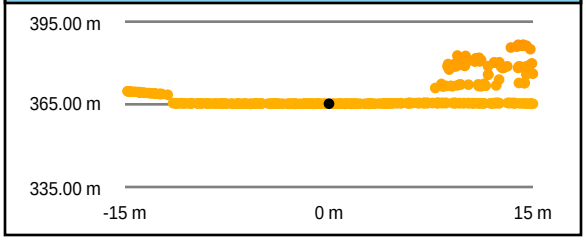
World Imagery



Southwest to Northeast



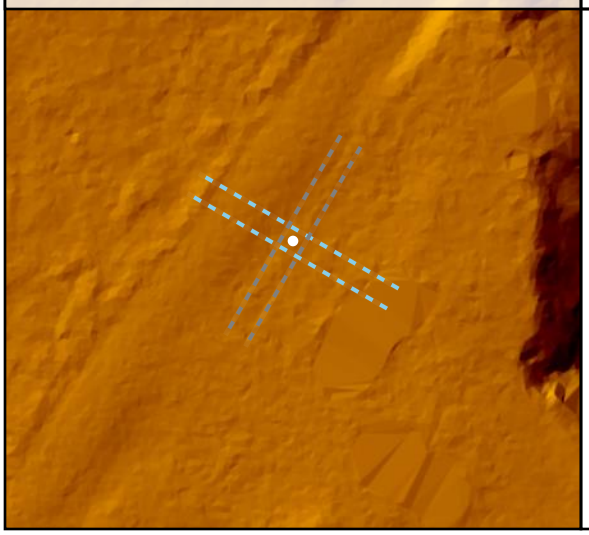
Southeast to Northwest



Intensity Raster



TIN Surface

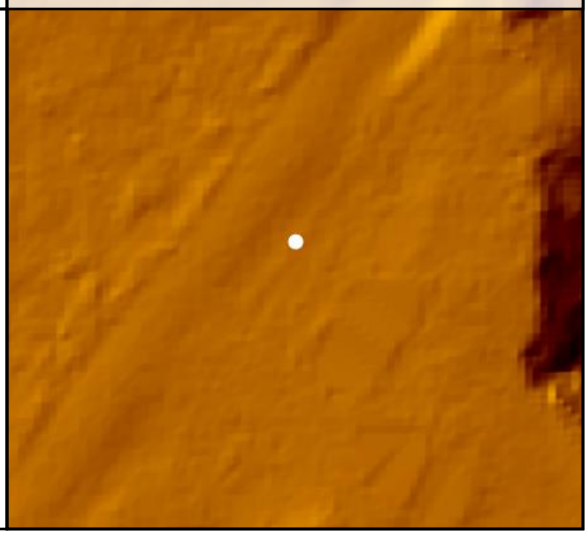


Project Elevation

530.34

48.98

DEM Surface



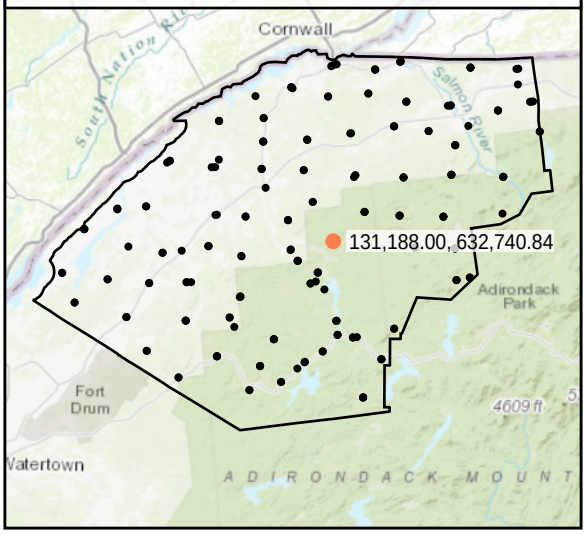
DEM Dz +0.01 m

NVA - BE45

Raw TIN Dz +0.02 m

BE46				
	Known Z	394.79 m	Point Density	2.62 ppsm
	DEM Dz	0.05 m	Ground Density	2.62 ppsm
	Raw TIN Dz	0.04 m	Slope	1.64 °

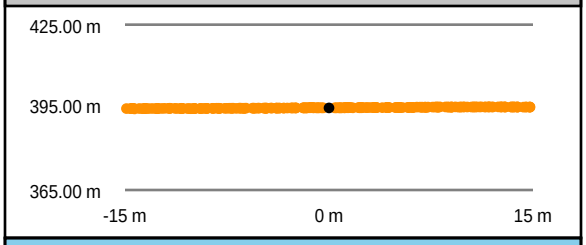
Project Context



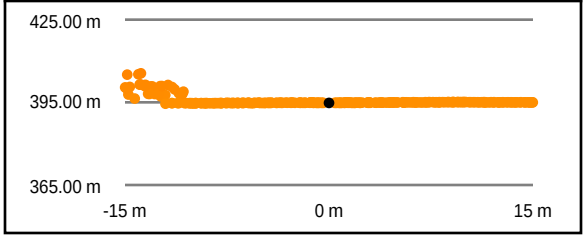
World Imagery



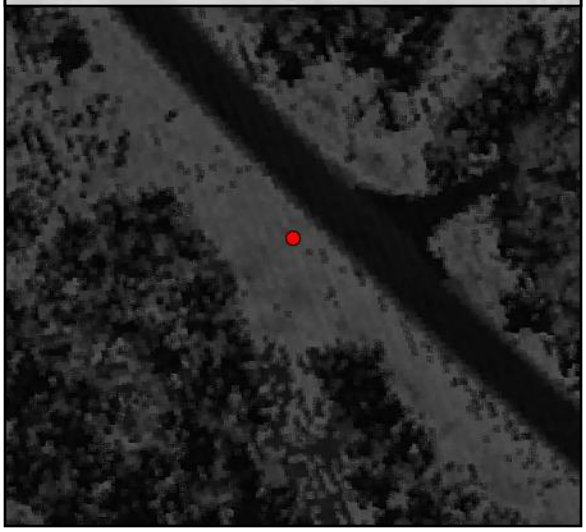
South to North



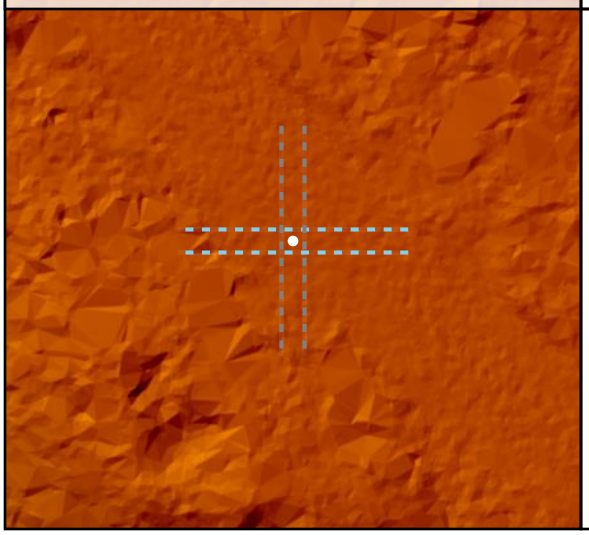
West to East



Intensity Raster



TIN Surface

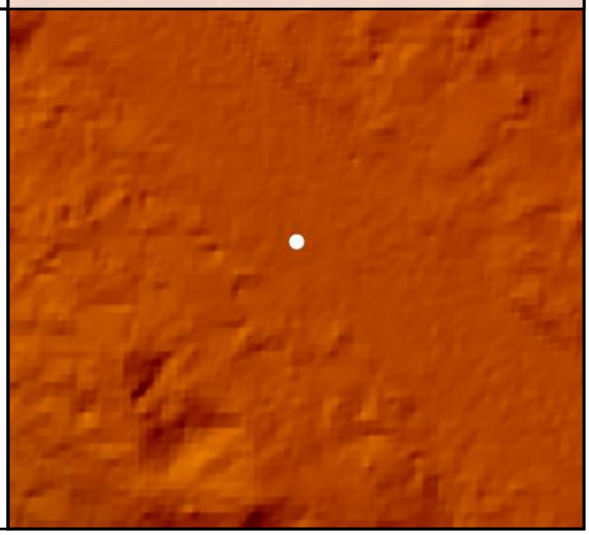


Project Elevation

530.34

48.98

DEM Surface



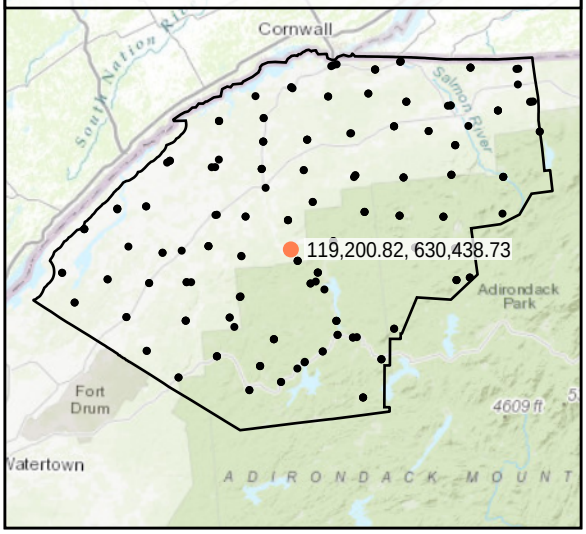
DEM Dz +0.05 m

NVA - BE46

Raw TIN Dz +0.04 m

BE47				
	Known Z	282.40 m	Point Density	2.30 ppsm
	DEM Dz	-0.01 m	Ground Density	2.26 ppsm
	Raw TIN Dz	-0.01 m	Slope	0.33 °

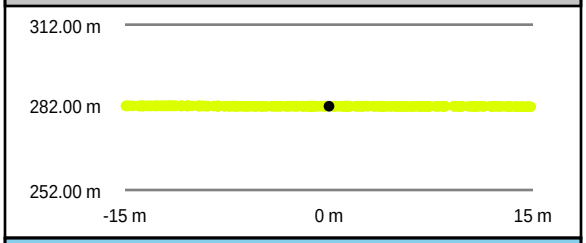
Project Context



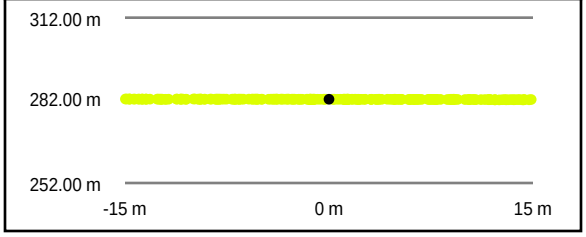
World Imagery



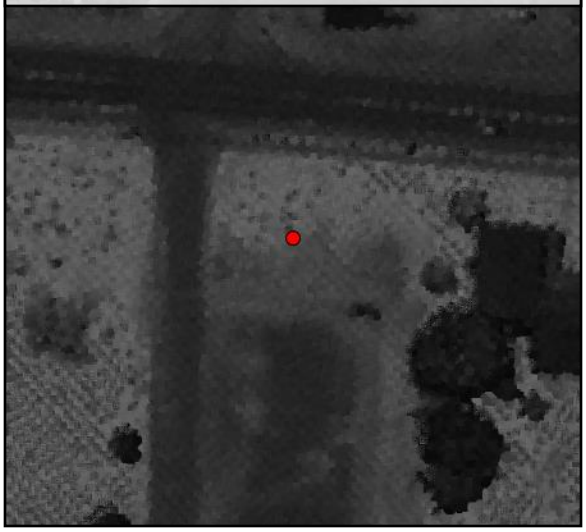
Southeast to Northwest



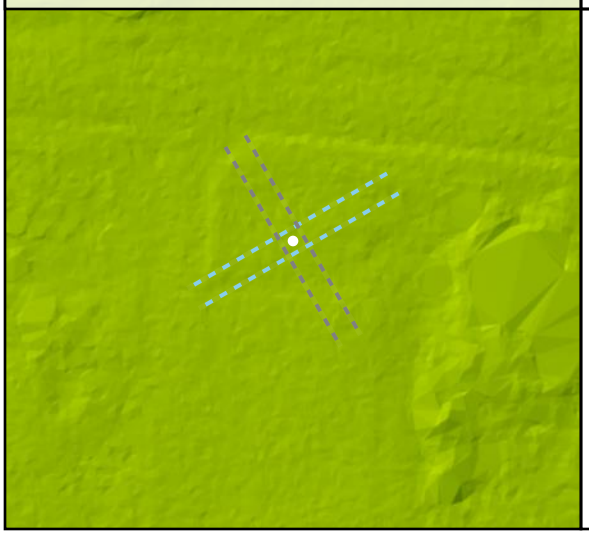
Southwest to Northeast



Intensity Raster



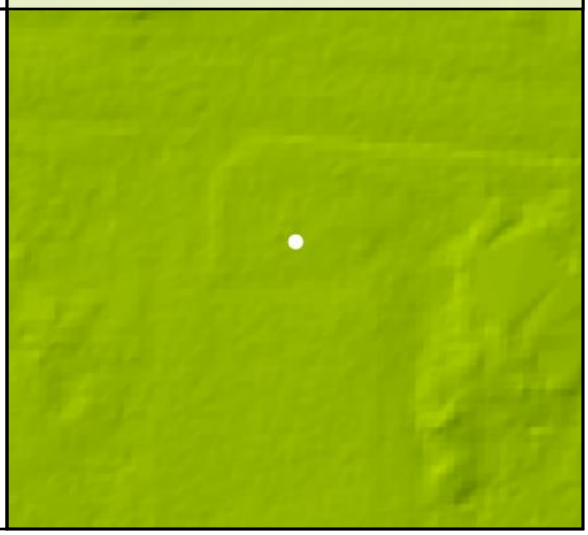
TIN Surface



Project Elevation



DEM Surface



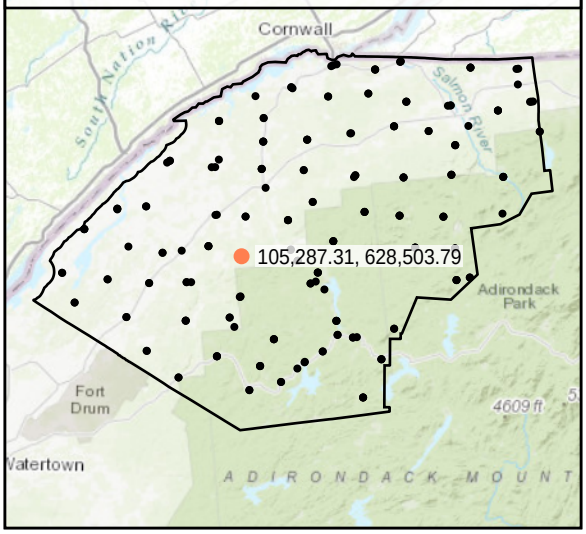
DEM Dz -0.01 m

NVA - BE47

Raw TIN Dz -0.01 m

BE48				
	Known Z	230.32 m	Point Density	5.23 ppsm
	DEM Dz	-0.03 m	Ground Density	4.70 ppsm
	Raw TIN Dz	-0.03 m	Slope	1.16 °

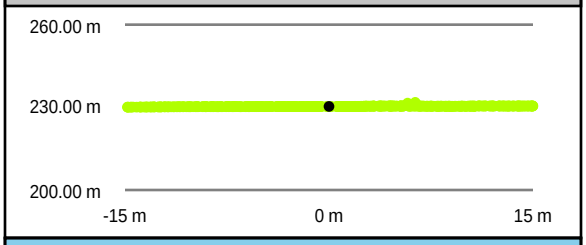
Project Context



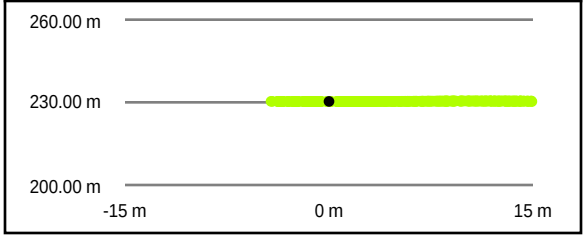
World Imagery



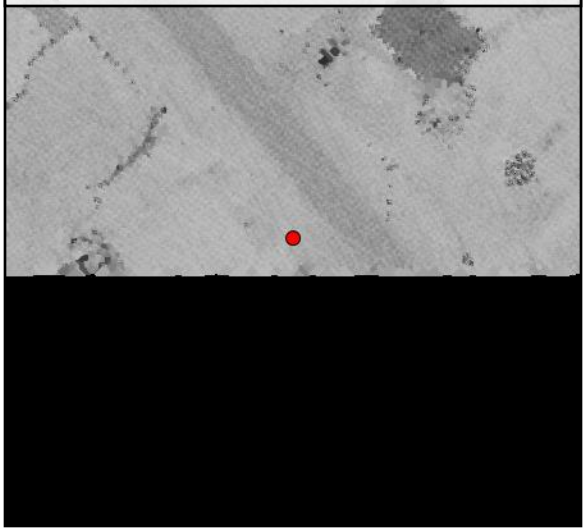
Southeast to Northwest



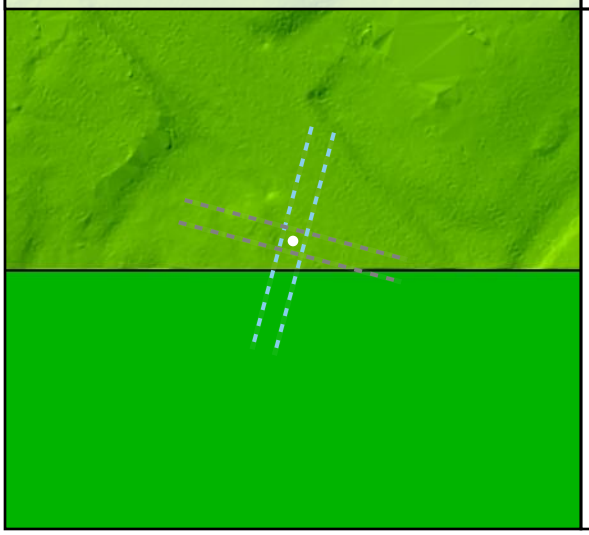
Southwest to Northeast



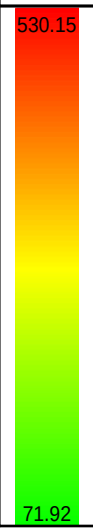
Intensity Raster



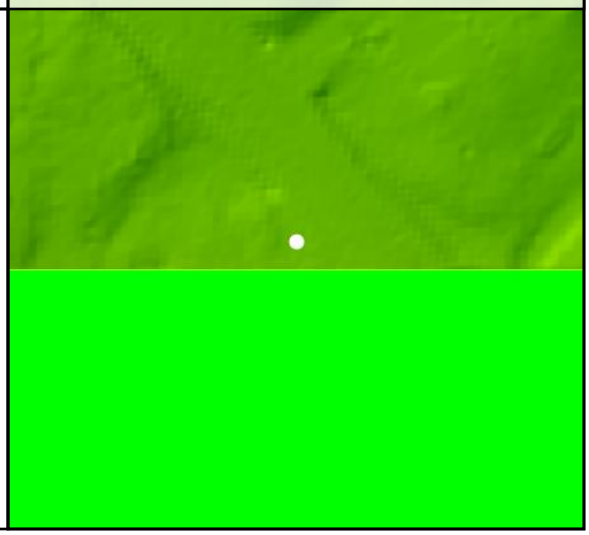
TIN Surface



Project Elevation



DEM Surface



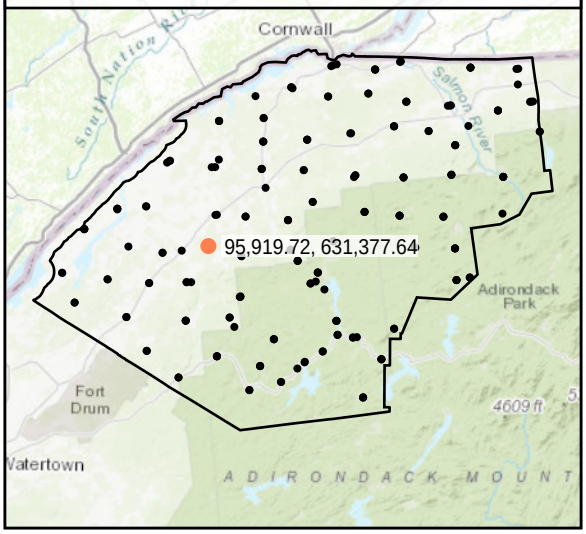
DEM Dz -0.03 m

NVA - BE48

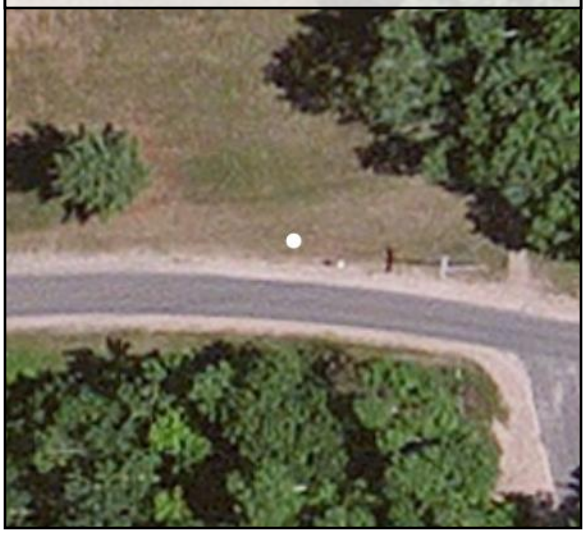
Raw TIN Dz -0.03 m

BE49				
	Known Z	159.18 m	Point Density	3.54 ppsm
	DEM Dz	-0.02 m	Ground Density	3.18 ppsm
	Raw TIN Dz	-0.02 m	Slope	1.45 °

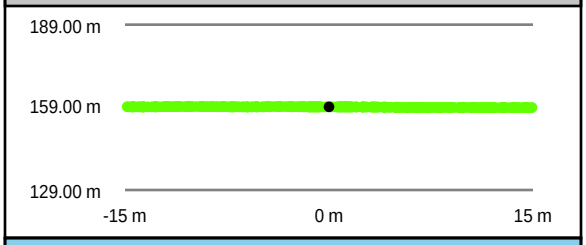
Project Context



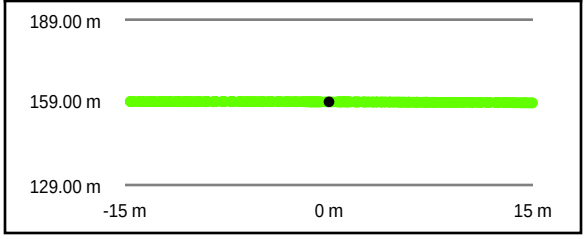
World Imagery



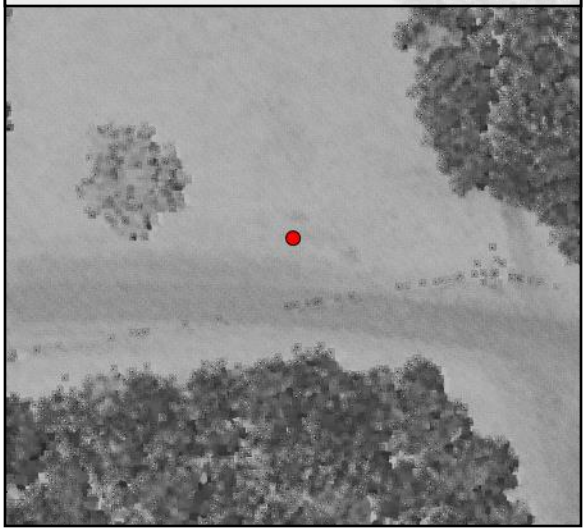
Southwest to Northeast



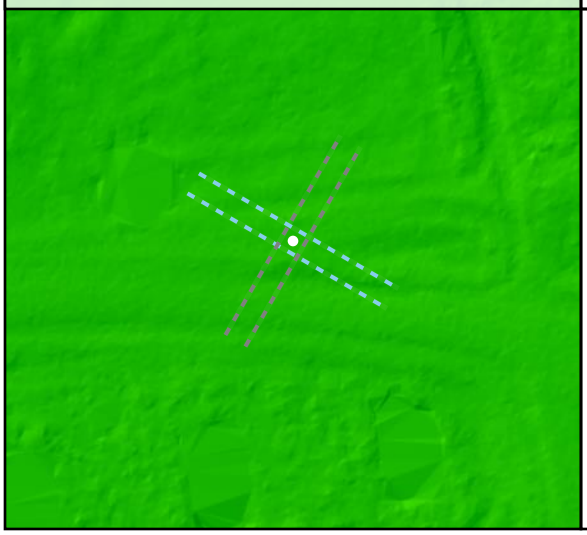
Southeast to Northwest



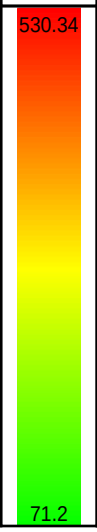
Intensity Raster



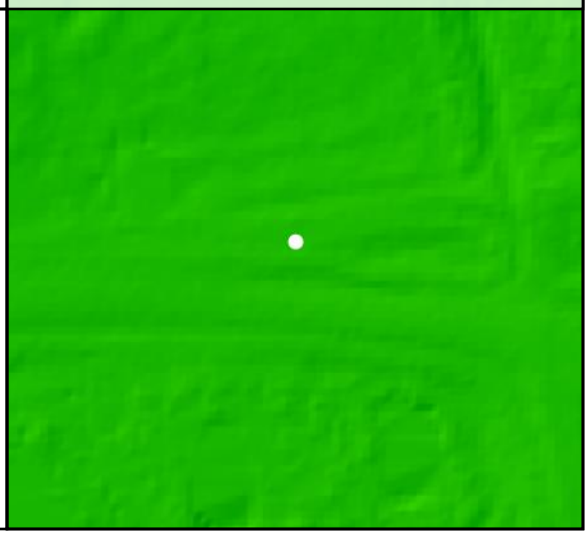
TIN Surface



Project Elevation



DEM Surface



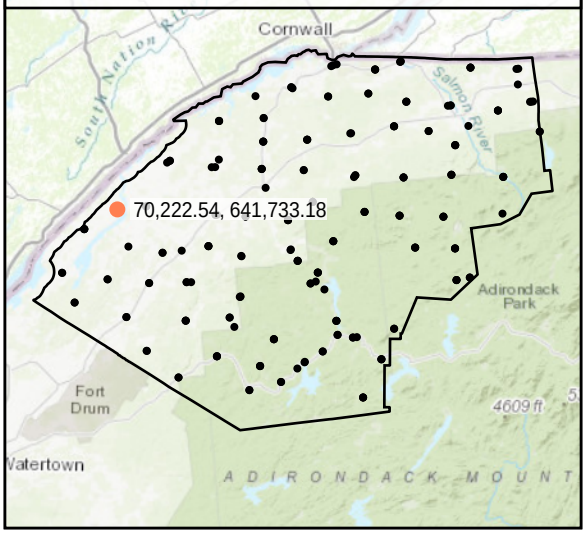
DEM Dz -0.02 m

NVA - BE49

Raw TIN Dz -0.02 m

BE50				
	Known Z	118.66 m	Point Density	4.42 ppsm
	DEM Dz	0.06 m	Ground Density	3.29 ppsm
	Raw TIN Dz	0.06 m	Slope	0.66 °

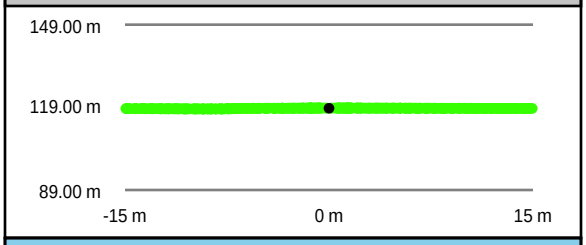
Project Context



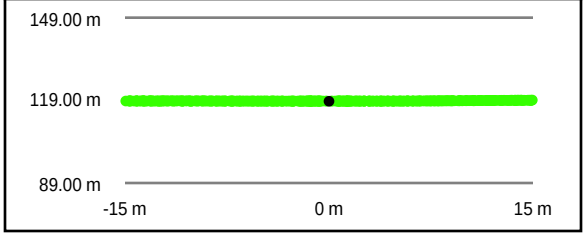
World Imagery



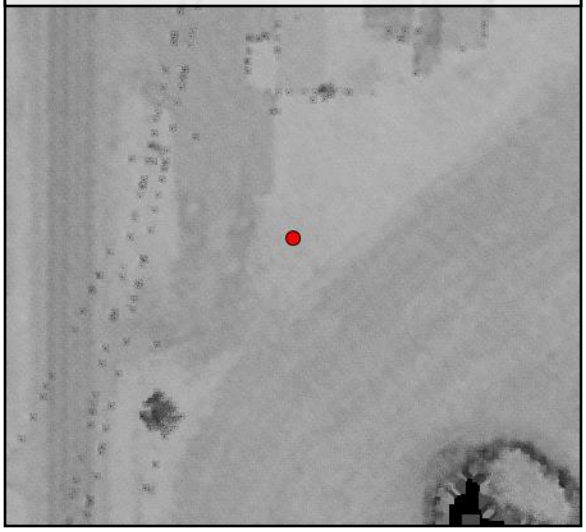
Southeast to Northwest



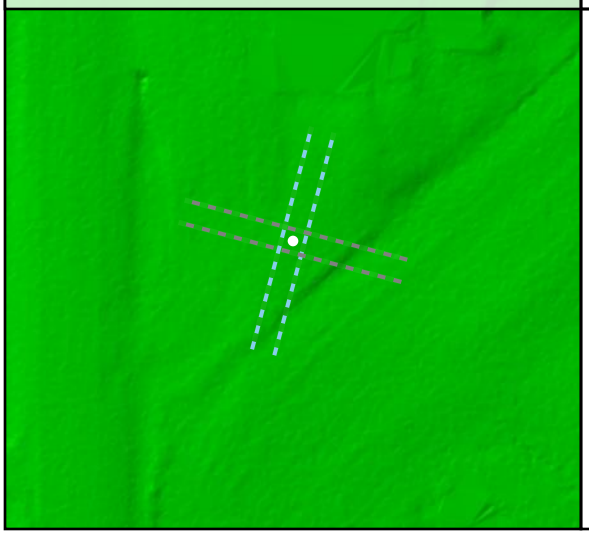
Southwest to Northeast



Intensity Raster



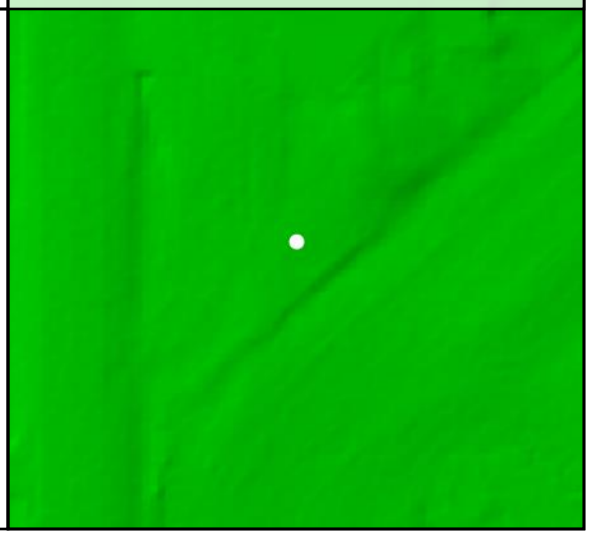
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.06 m

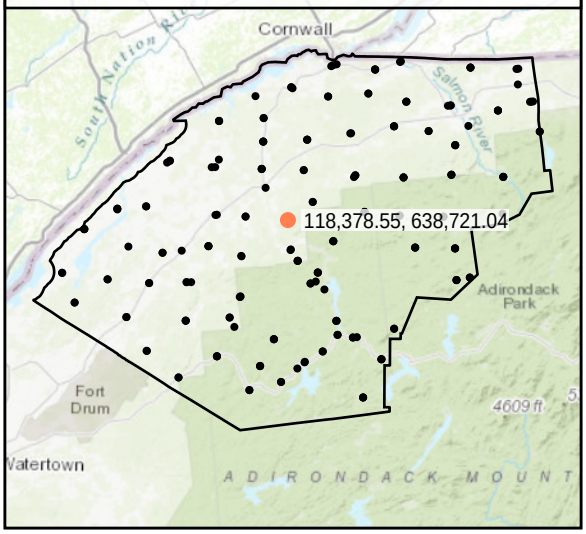
NVA - BE50

Raw TIN Dz +0.06 m

BE51

Known Z	268.00 m	Point Density	3.68 ppsm
DEM Dz	-0.04 m	Ground Density	3.61 ppsm
Raw TIN Dz	-0.03 m	Slope	1.05 °

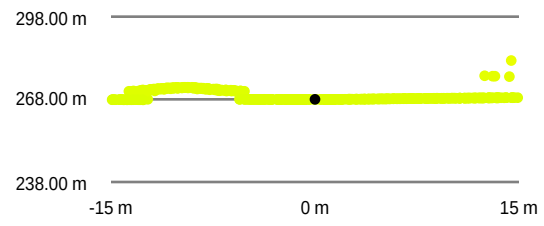
Project Context



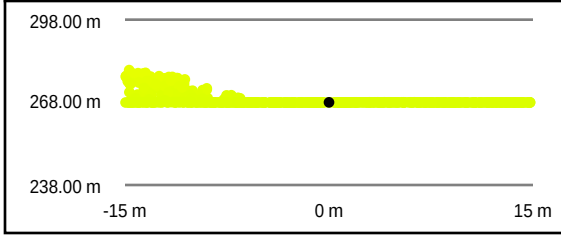
World Imagery



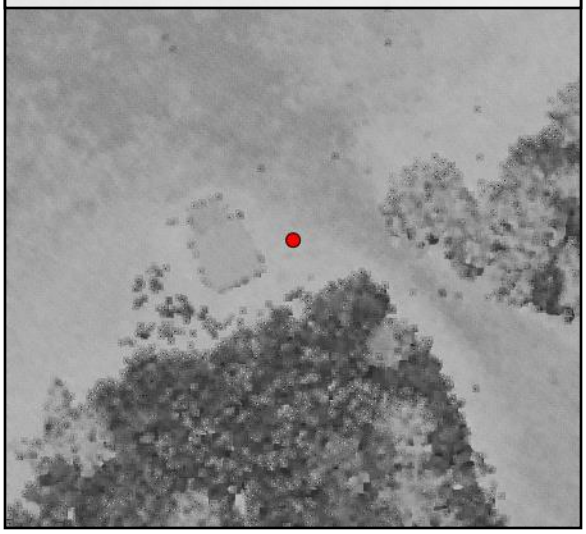
West to East



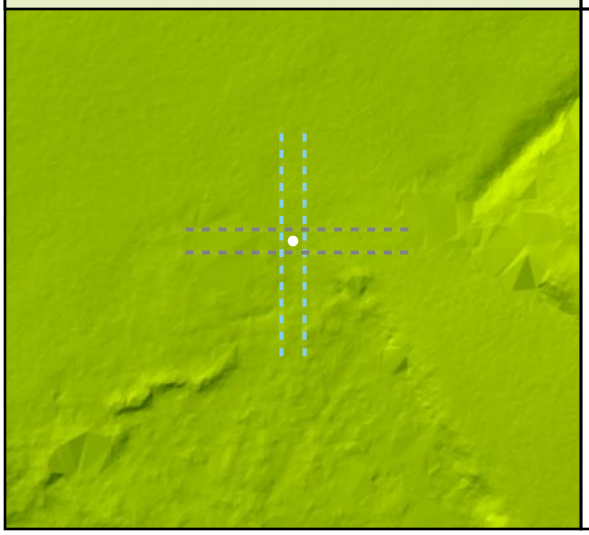
South to North



Intensity Raster



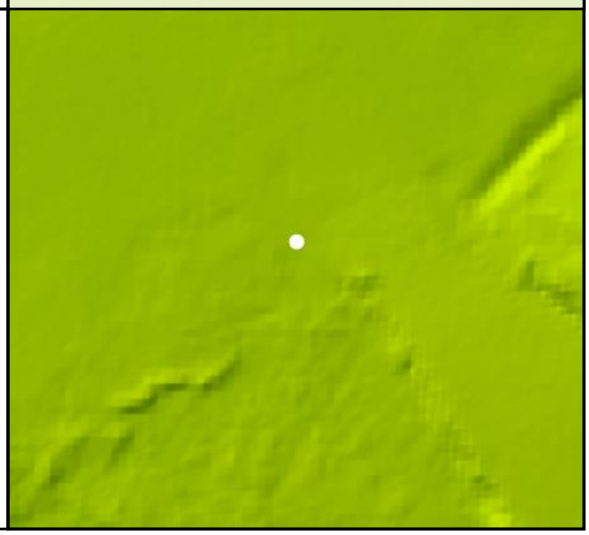
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.04 m

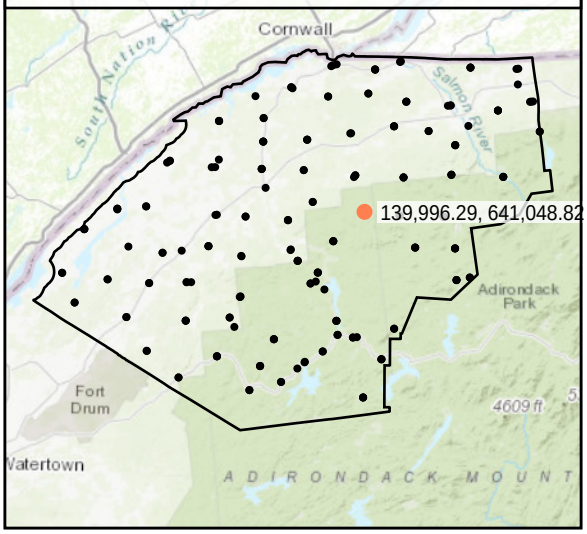
NVA - BE51

Raw TIN Dz -0.03 m

BE52

Known Z	432.58 m	Point Density	2.33 ppsm
DEM Dz	-0.04 m	Ground Density	2.26 ppsm
Raw TIN Dz	-0.03 m	Slope	1.30 °

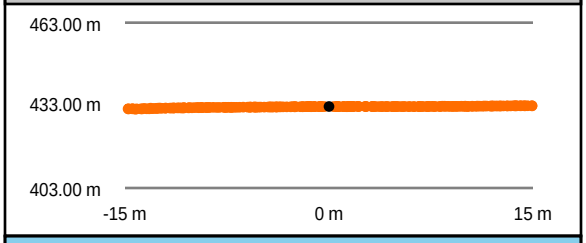
Project Context



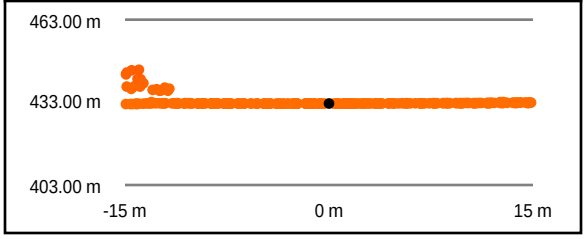
World Imagery



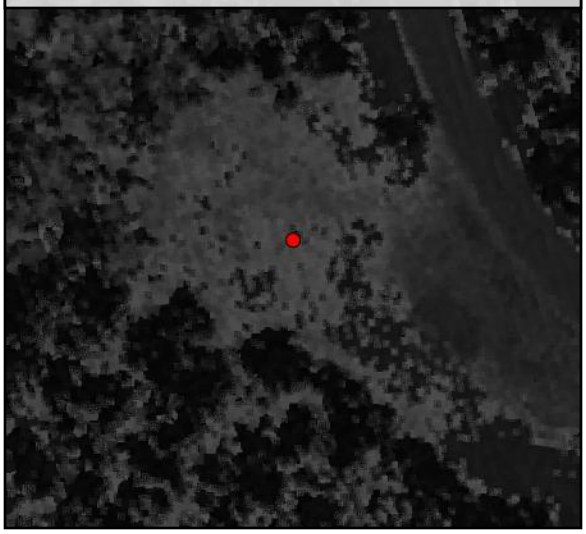
West to East



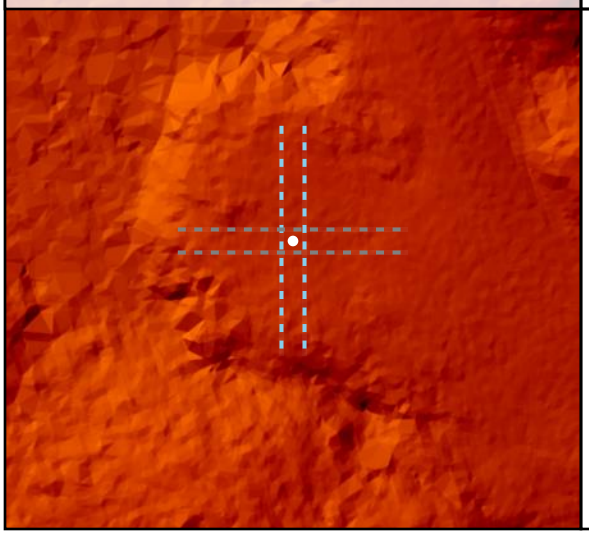
South to North



Intensity Raster



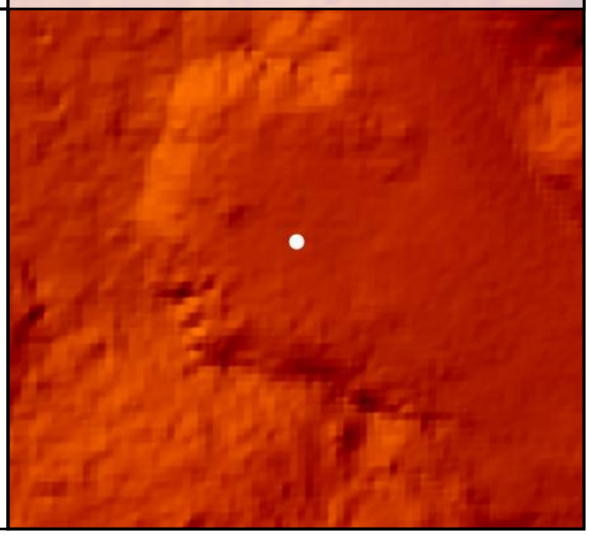
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.04 m

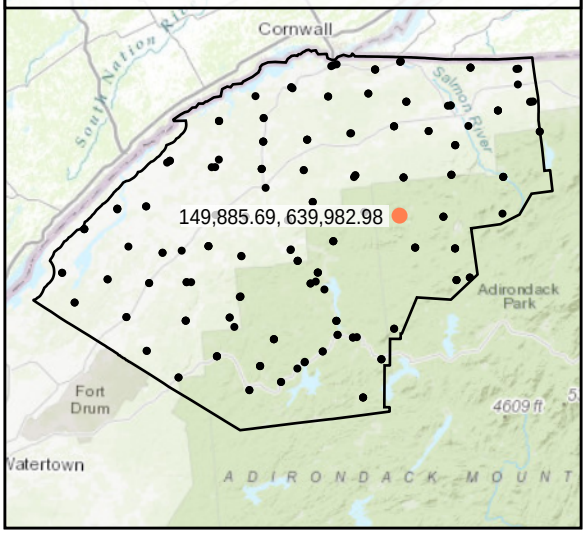
NVA - BE52

Raw TIN Dz -0.03 m

BE53

Known Z	437.24 m	Point Density	2.26 ppsm
DEM Dz	-0.01 m	Ground Density	2.26 ppsm
Raw TIN Dz	-0.01 m	Slope	2.10 °

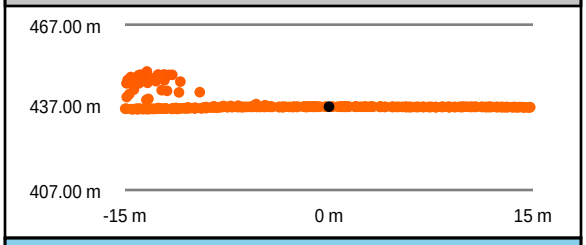
Project Context



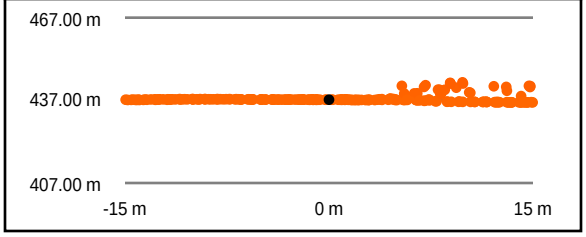
World Imagery



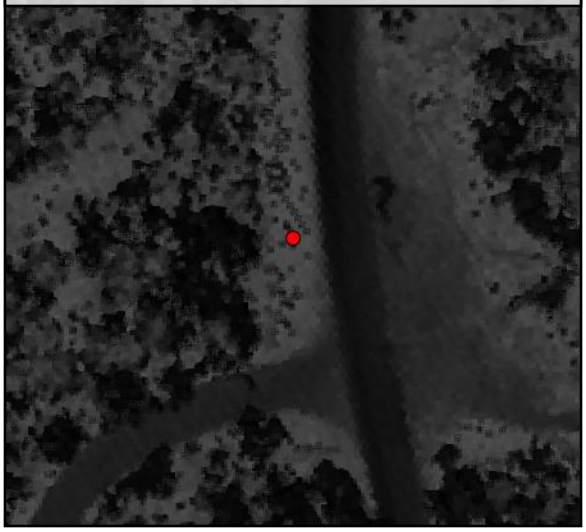
Southwest to Northeast



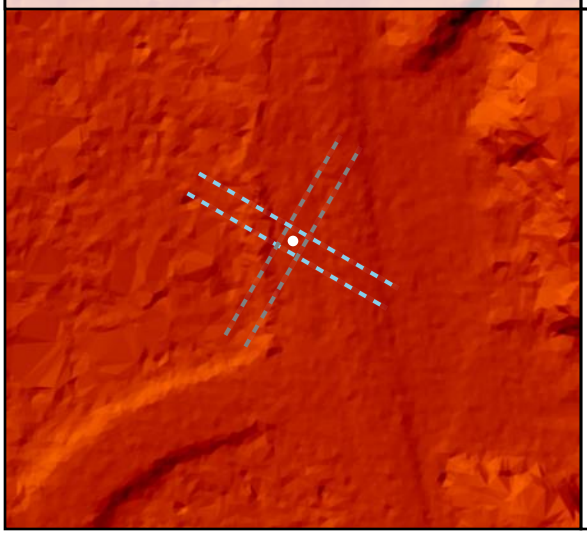
Southeast to Northwest



Intensity Raster



TIN Surface

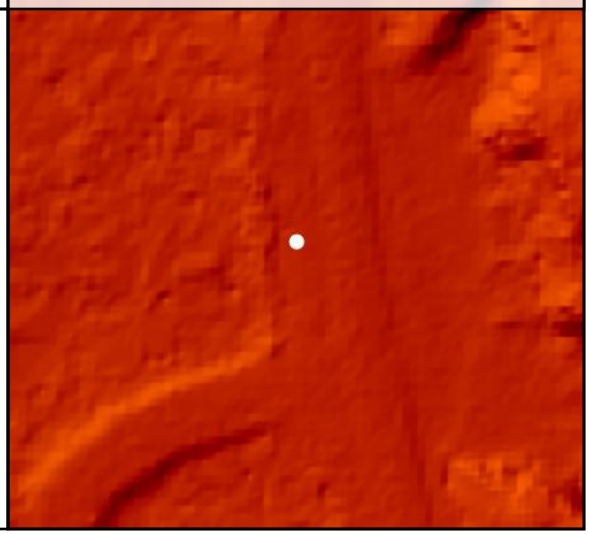


Project Elevation

530.34

63.36

DEM Surface



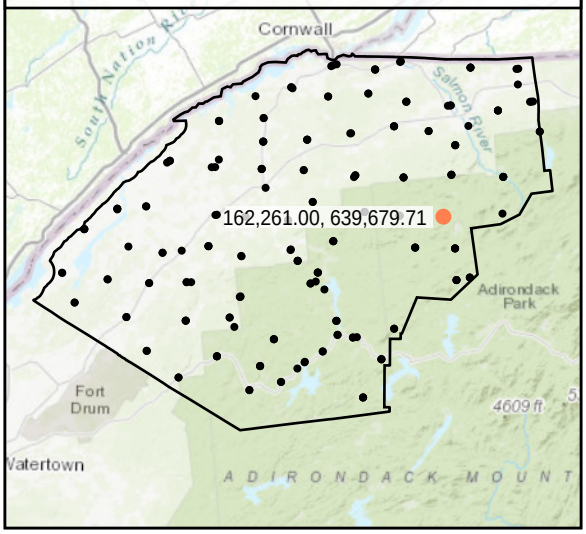
DEM Dz -0.01 m

NVA - BE53

Raw TIN Dz -0.01 m

BE54				
	Known Z	444.38 m	Point Density	2.19 ppsm
	DEM Dz	-0.05 m	Ground Density	2.19 ppsm
	Raw TIN Dz	-0.07 m	Slope	1.20 °

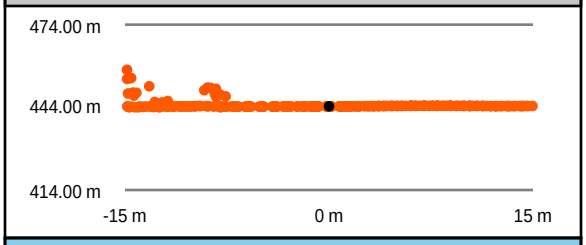
Project Context



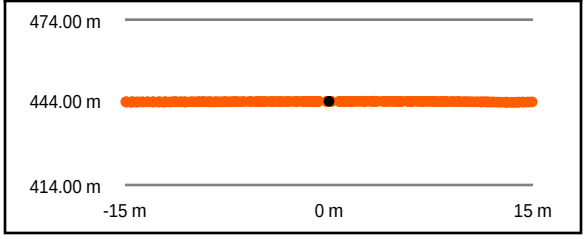
World Imagery



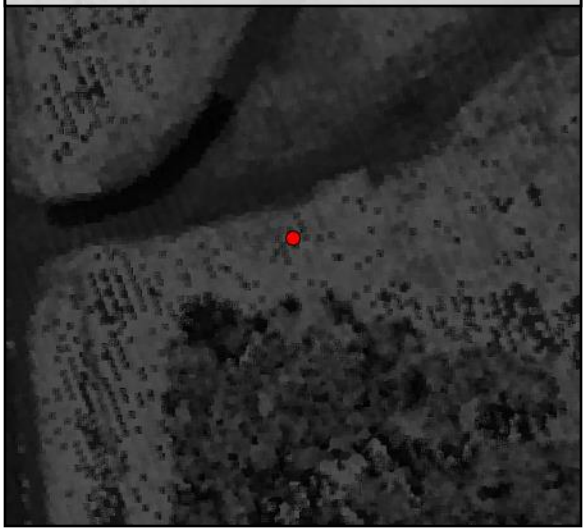
South to North



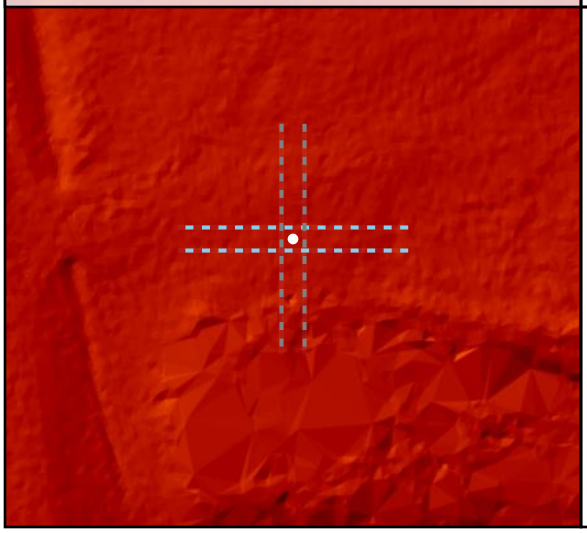
West to East



Intensity Raster



TIN Surface

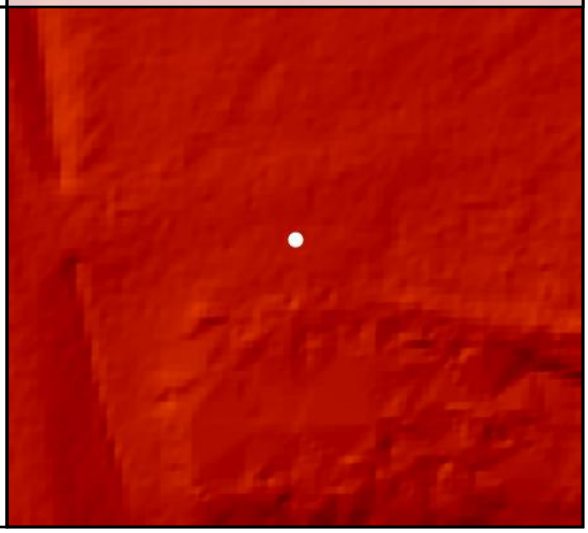


Project Elevation

530.34

48.98

DEM Surface



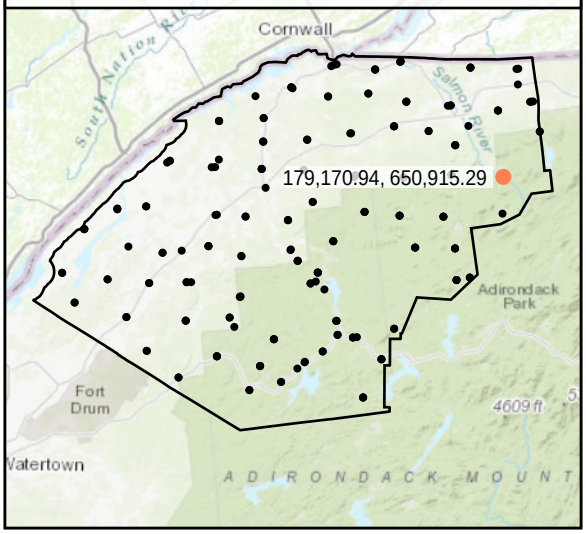
DEM Dz -0.05 m

NVA - BE54

Raw TIN Dz -0.07 m

BE55				
	Known Z	461.43 m	Point Density	1.91 ppsm
	DEM Dz	-0.03 m	Ground Density	1.84 ppsm
	Raw TIN Dz	-0.04 m	Slope	2.36 °

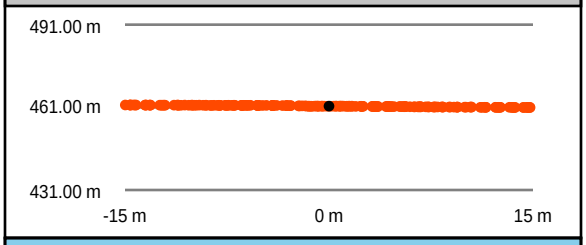
Project Context



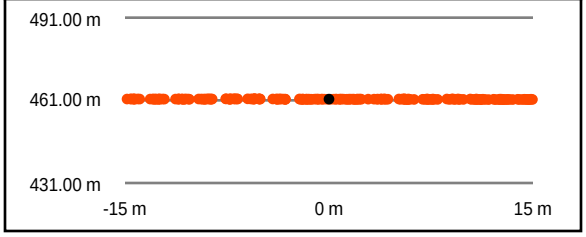
World Imagery



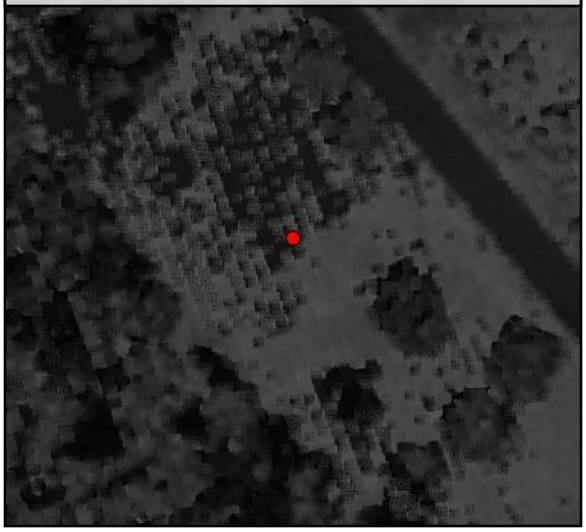
Southeast to Northwest



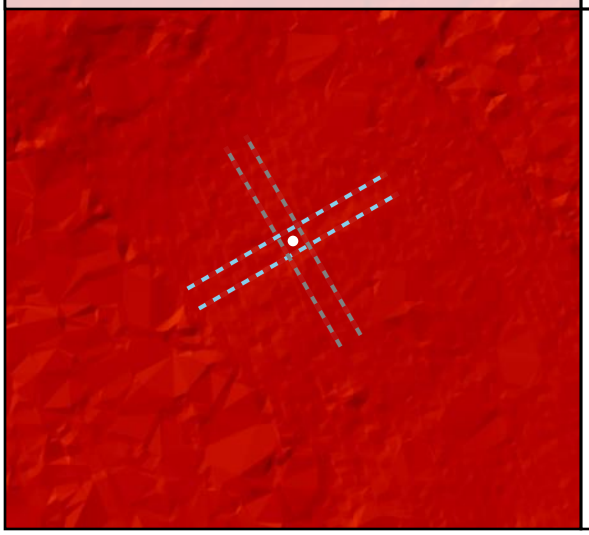
Southwest to Northeast



Intensity Raster



TIN Surface

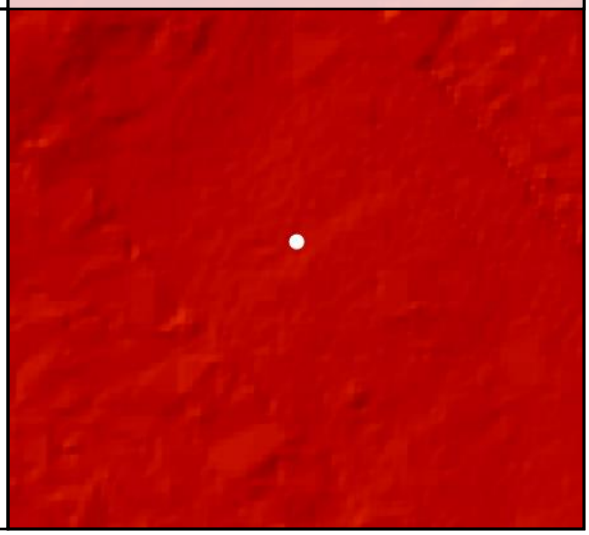


Project Elevation

530.34

48.98

DEM Surface



DEM Dz -0.03 m

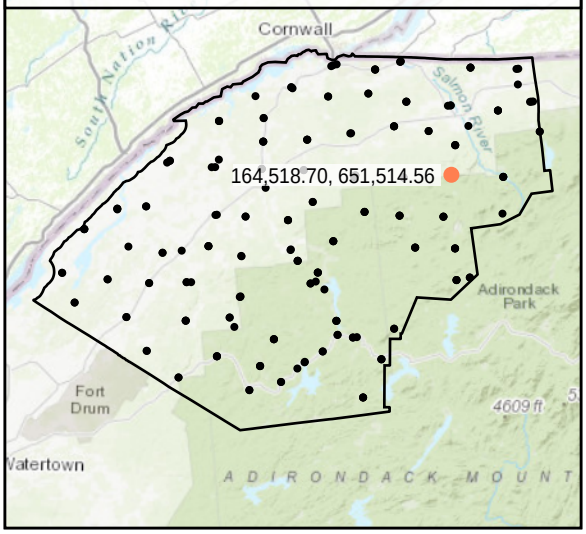
NVA - BE55

Raw TIN Dz -0.04 m

BE56

Known Z	463.07 m	Point Density	2.26 ppsm
DEM Dz	-0.03 m	Ground Density	2.26 ppsm
Raw TIN Dz	-0.03 m	Slope	3.32 °

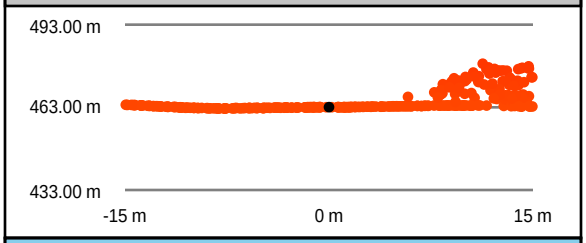
Project Context



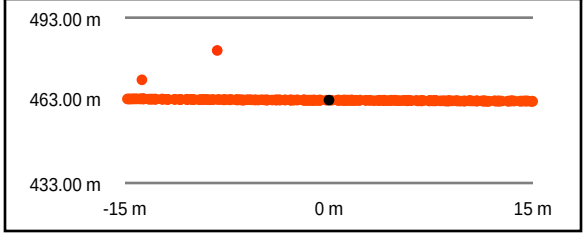
World Imagery



Southeast to Northwest



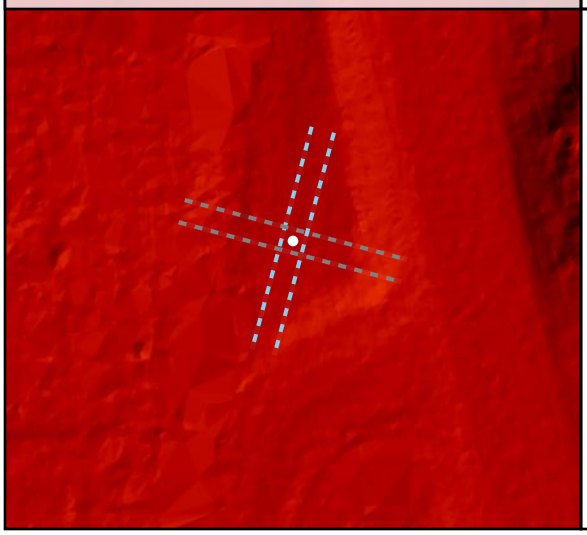
Southwest to Northeast



Intensity Raster



TIN Surface

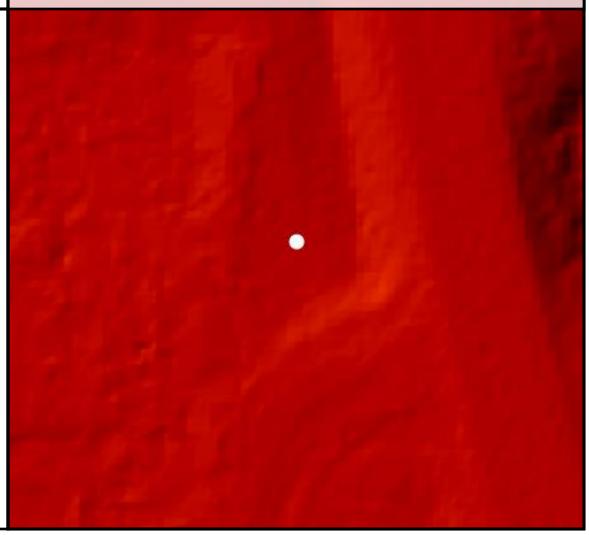


Project Elevation

530.34

48.98

DEM Surface



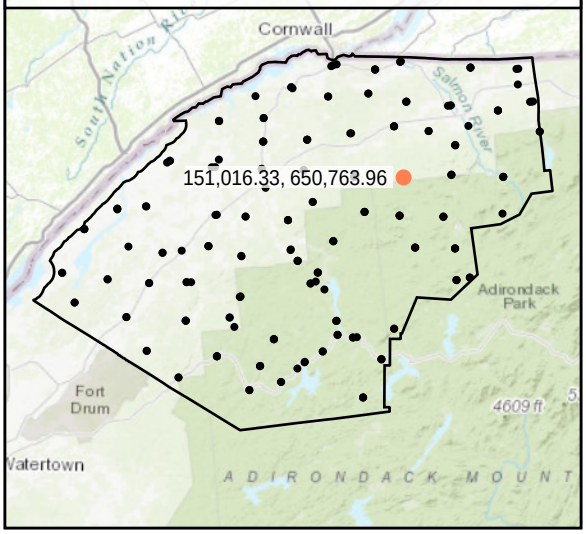
DEM Dz -0.03 m

NVA - BE56

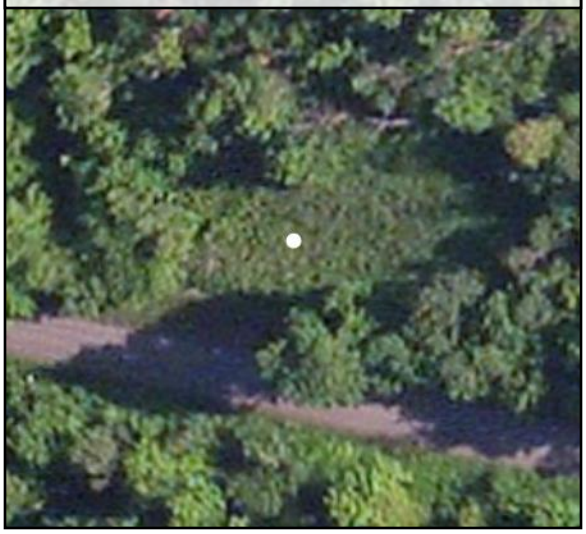
Raw TIN Dz -0.03 m

BE57				
	Known Z	422.82 m	Point Density	2.12 ppsm
	DEM Dz	0.10 m	Ground Density	1.91 ppsm
	Raw TIN Dz	0.13 m	Slope	1.48 °

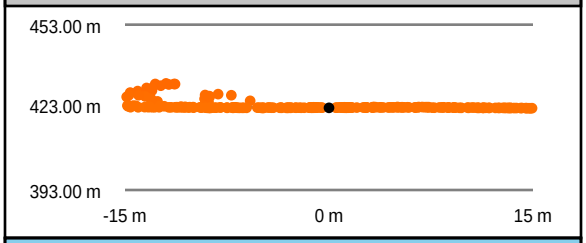
Project Context



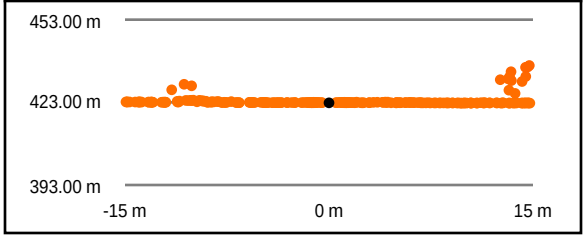
World Imagery



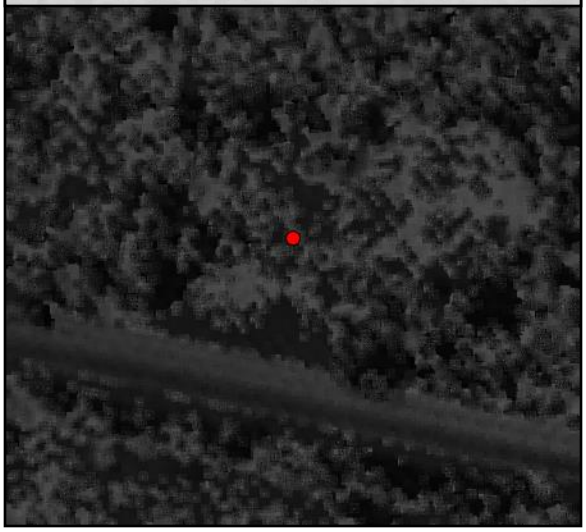
Southwest to Northeast



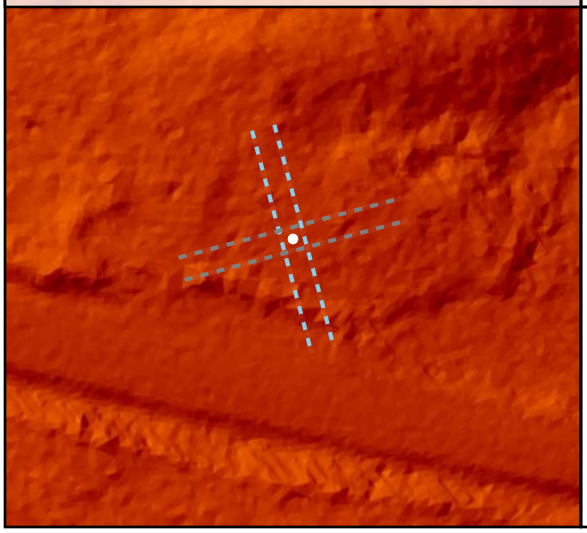
Southeast to Northwest



Intensity Raster



TIN Surface

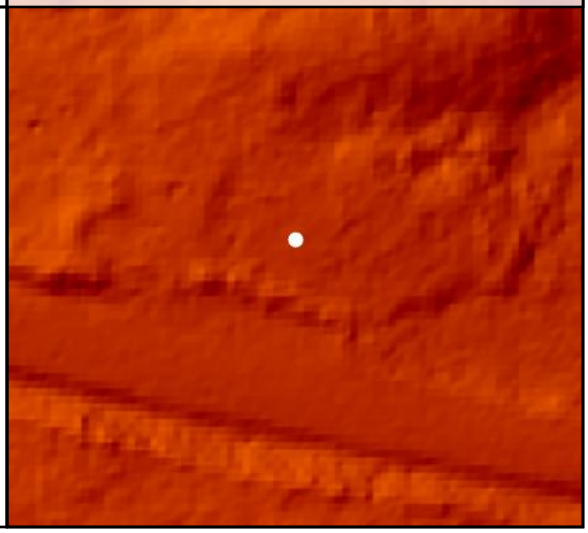


Project Elevation

530.34

48.98

DEM Surface



DEM Dz +0.10 m

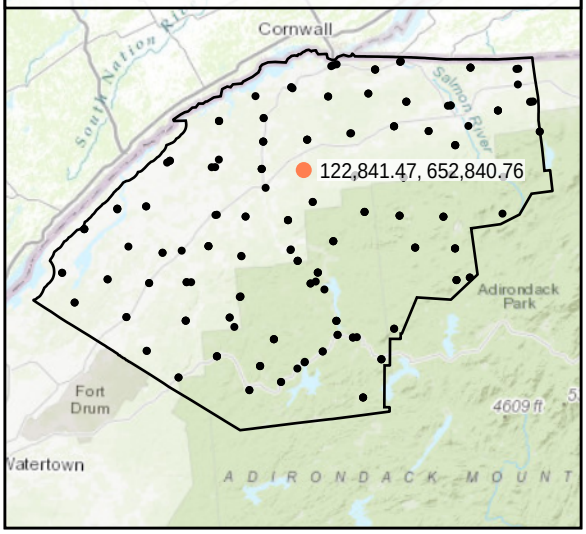
NVA - BE57

Raw TIN Dz +0.13 m

BE58

Known Z	127.24 m	Point Density	4.00 ppsm
DEM Dz	0.03 m	Ground Density	3.68 ppsm
Raw TIN Dz	0.04 m	Slope	1.88 °

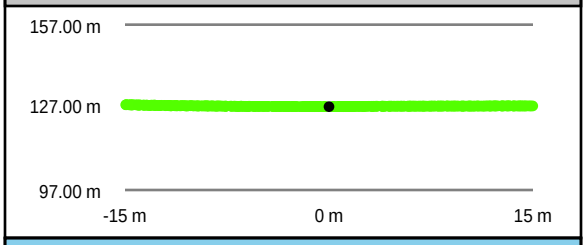
Project Context



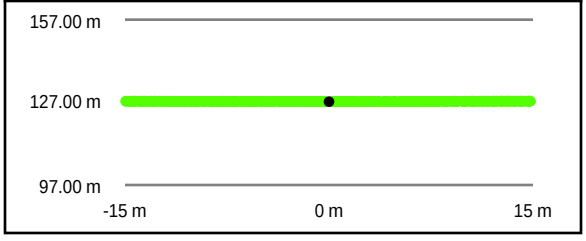
World Imagery



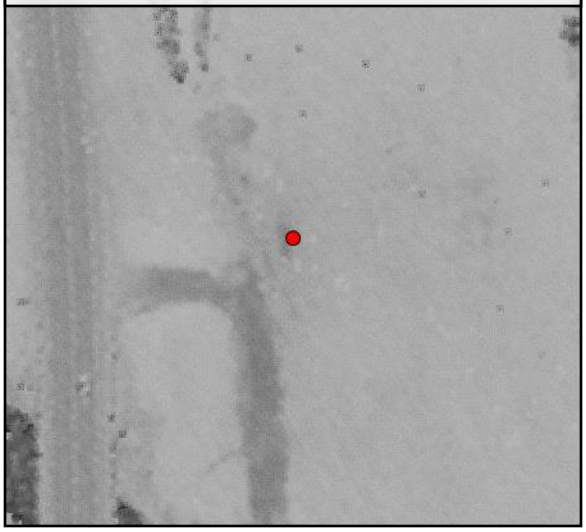
Southwest to Northeast



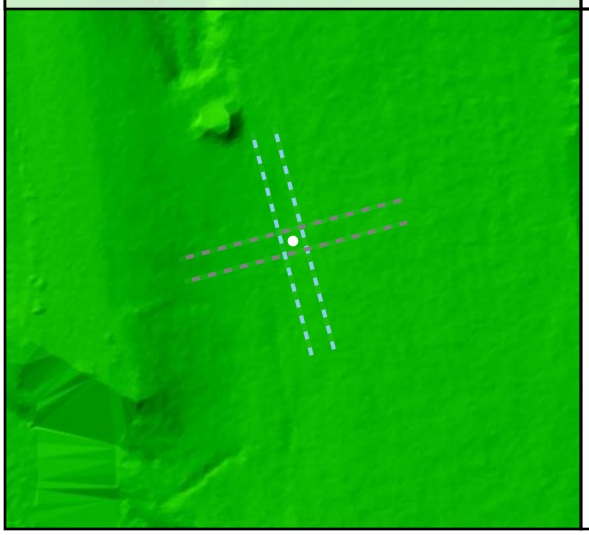
Southeast to Northwest



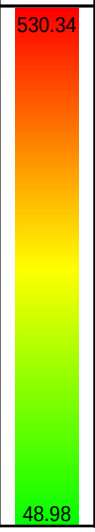
Intensity Raster



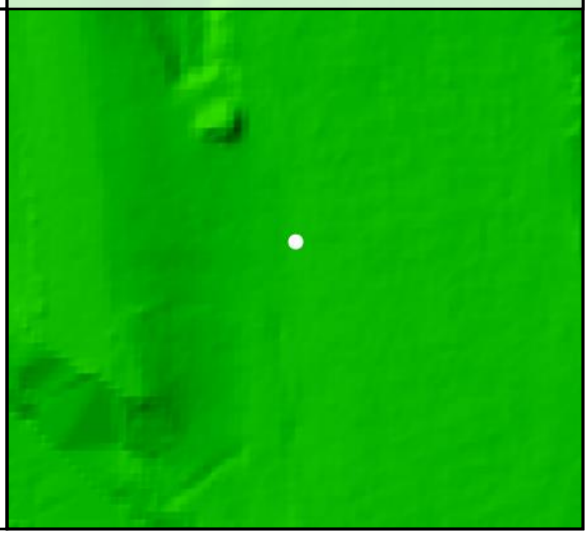
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.03 m

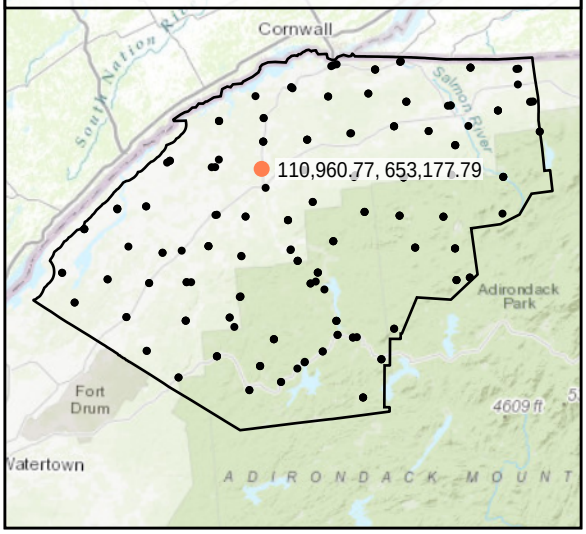
NVA - BE58

Raw TIN Dz +0.04 m

BE59

Known Z	111.72 m	Point Density	3.61 ppsm
DEM Dz	-0.02 m	Ground Density	2.97 ppsm
Raw TIN Dz	-0.02 m	Slope	0.49 °

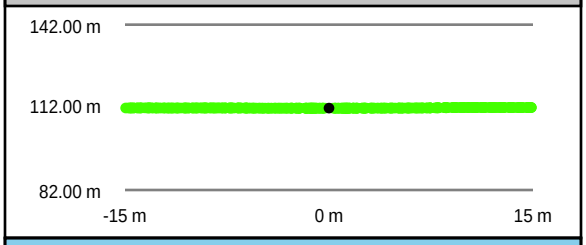
Project Context



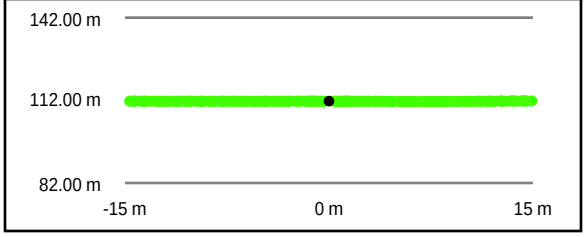
World Imagery



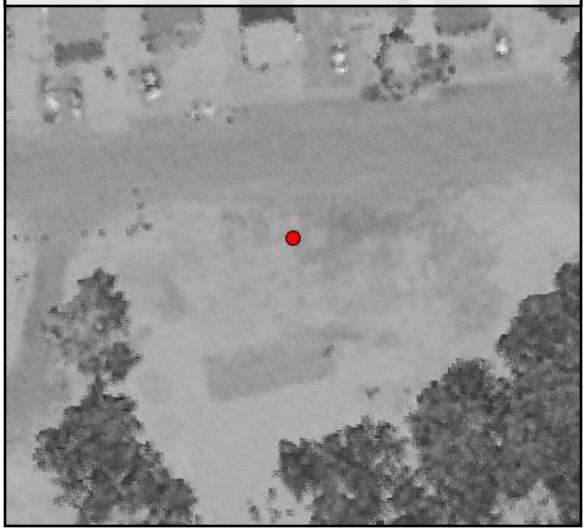
Southeast to Northwest



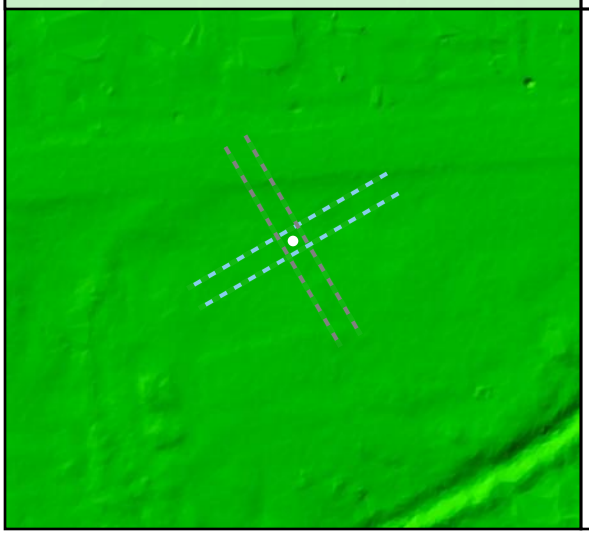
Southwest to Northeast



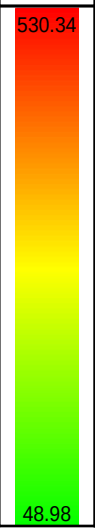
Intensity Raster



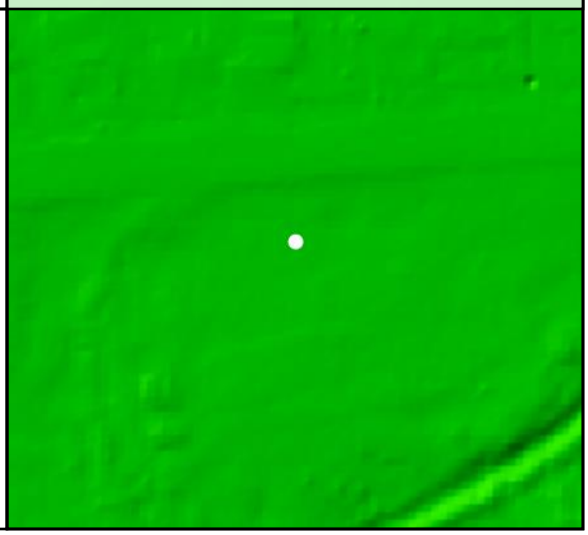
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.02 m

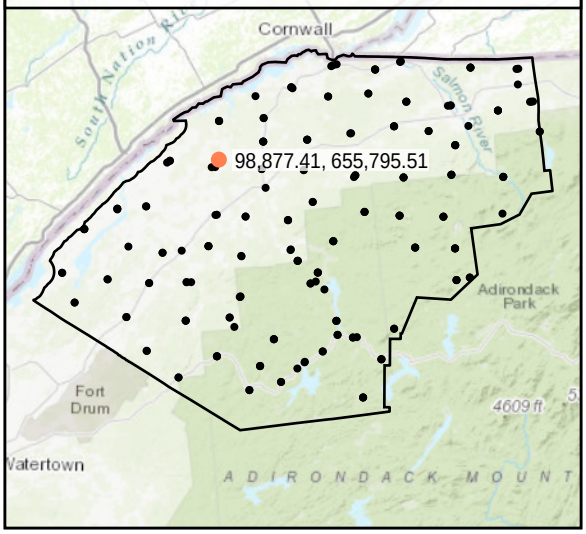
NVA - BE59

Raw TIN Dz -0.02 m

BE60

Known Z	89.66 m	Point Density	3.96 ppsm
DEM Dz	0.01 m	Ground Density	2.86 ppsm
Raw TIN Dz	0.01 m	Slope	0.27 °

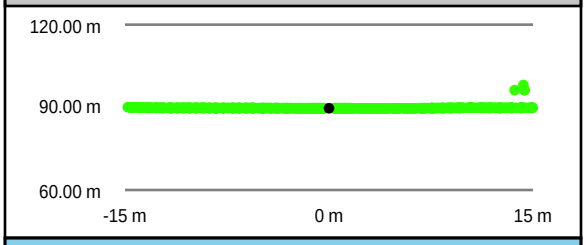
Project Context



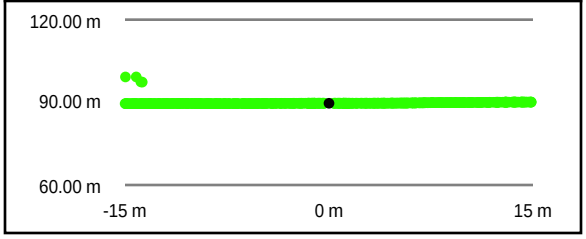
World Imagery



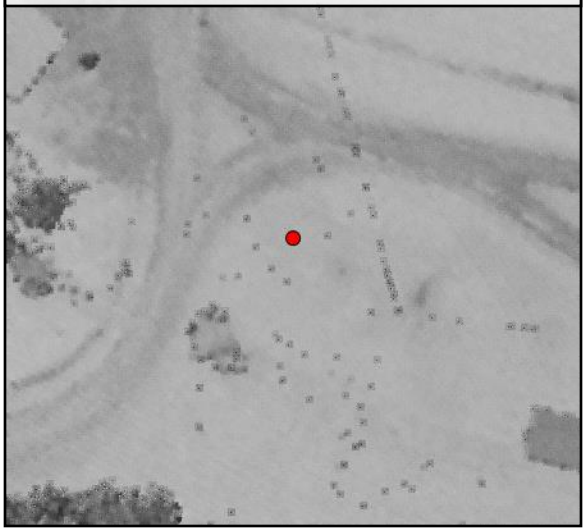
Southwest to Northeast



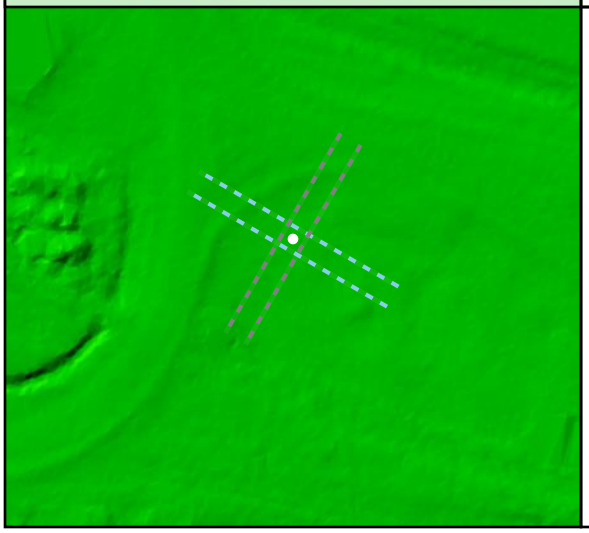
Southeast to Northwest



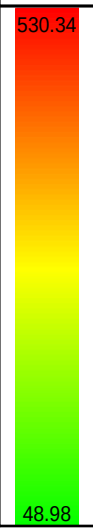
Intensity Raster



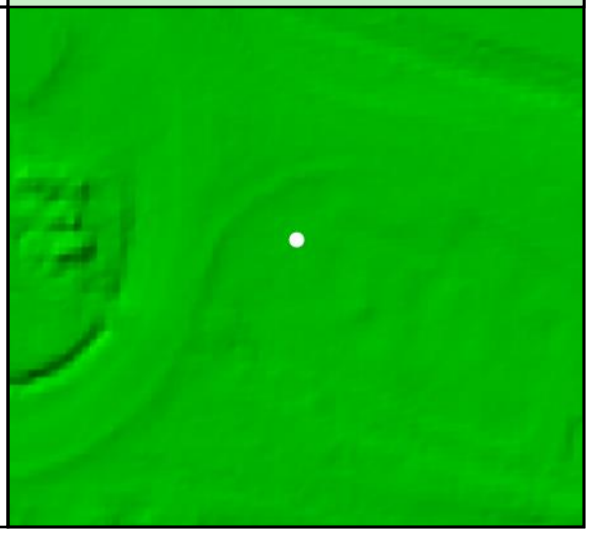
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.01 m

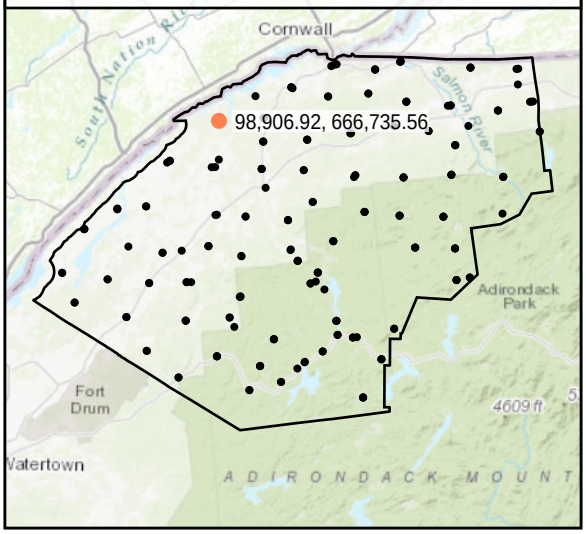
NVA - BE60

Raw TIN Dz +0.01 m

BE61

Known Z	84.60 m	Point Density	4.28 ppsm
DEM Dz	-0.06 m	Ground Density	3.40 ppsm
Raw TIN Dz	-0.04 m	Slope	1.26 °

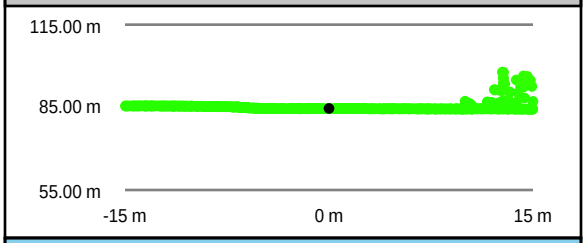
Project Context



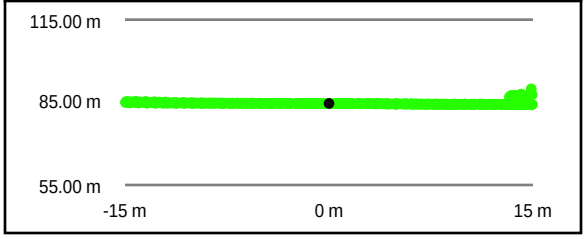
World Imagery



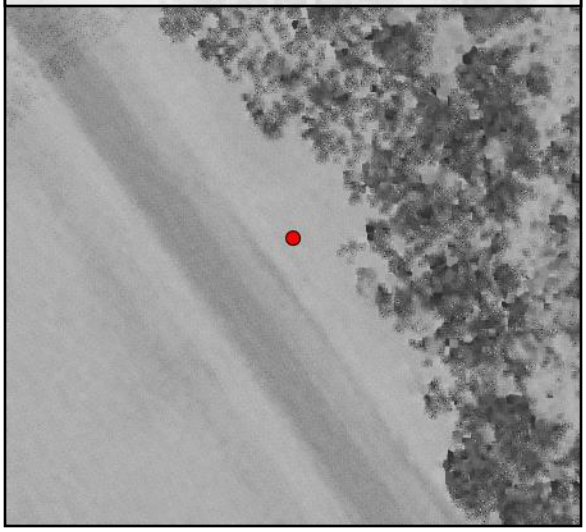
Southwest to Northeast



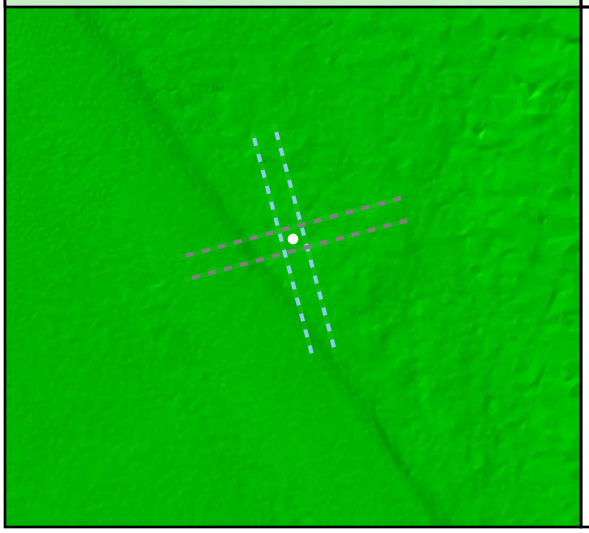
Southeast to Northwest



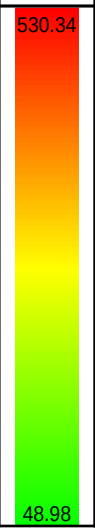
Intensity Raster



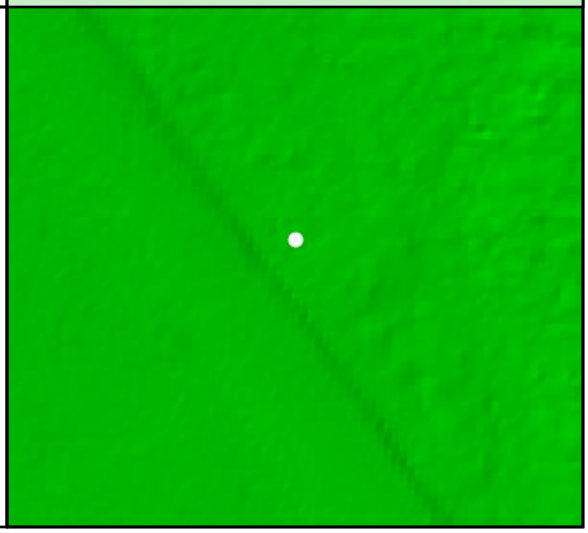
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.06 m

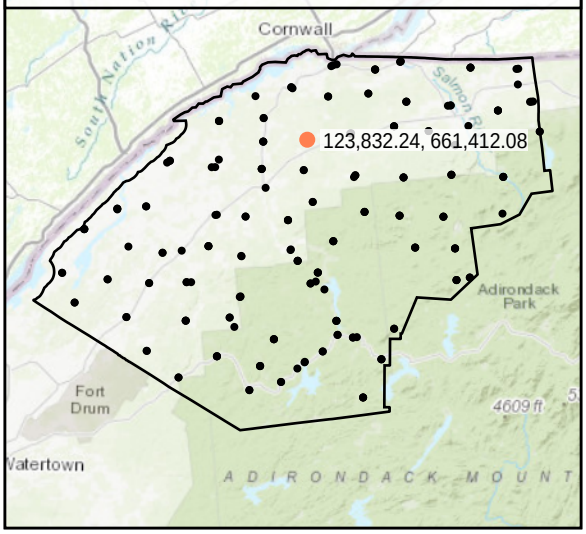
NVA - BE61

Raw TIN Dz -0.04 m

BE62

Known Z	110.71 m	Point Density	2.97 ppsm
DEM Dz	-0.06 m	Ground Density	2.79 ppsm
Raw TIN Dz	-0.07 m	Slope	1.54 °

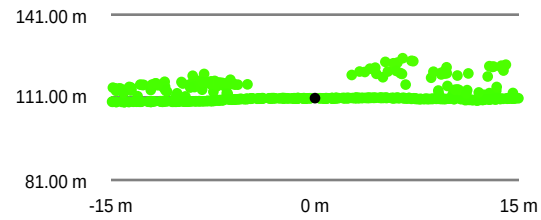
Project Context



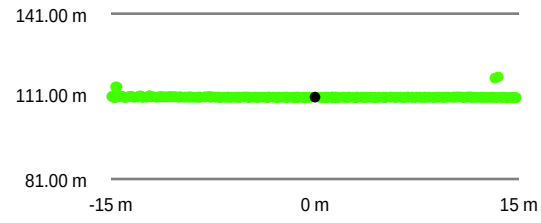
World Imagery



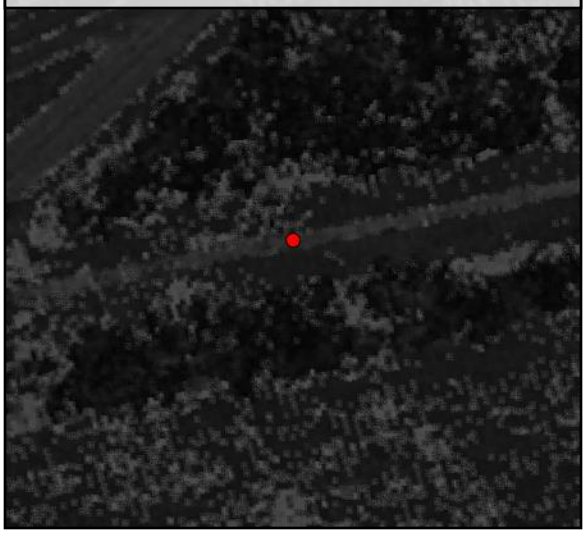
Southeast to Northwest



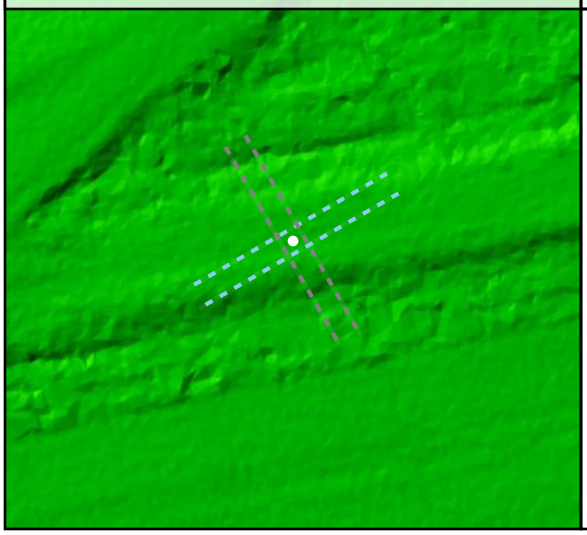
Southwest to Northeast



Intensity Raster



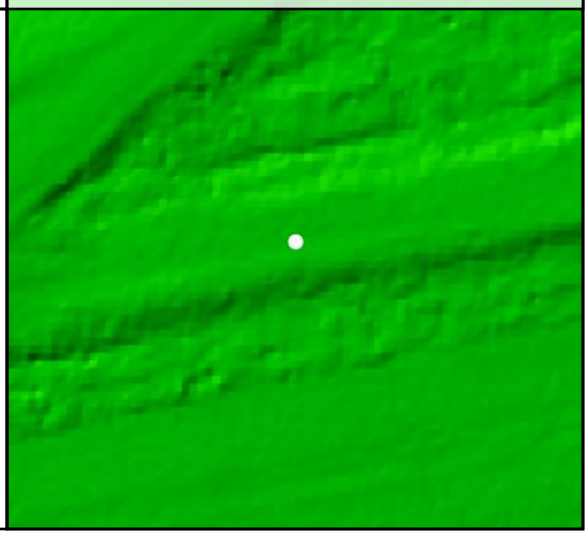
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.06 m

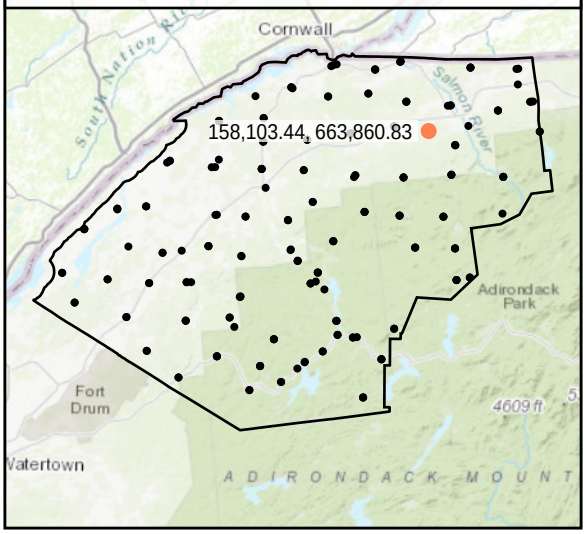
NVA - BE62

Raw TIN Dz -0.07 m

BE63

Known Z	236.98 m	Point Density	2.37 ppsm
DEM Dz	-0.02 m	Ground Density	2.30 ppsm
Raw TIN Dz	-0.01 m	Slope	0.98 °

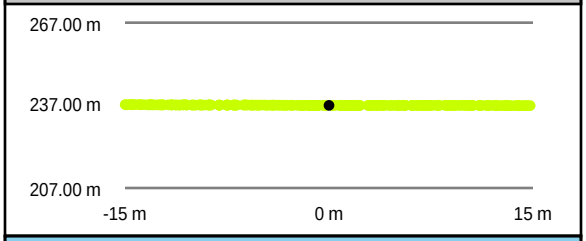
Project Context



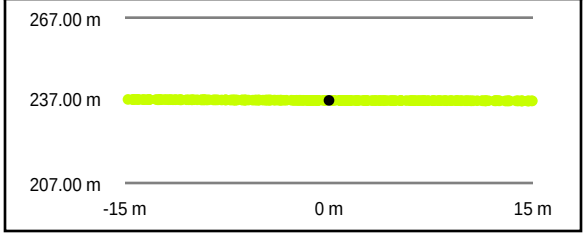
World Imagery



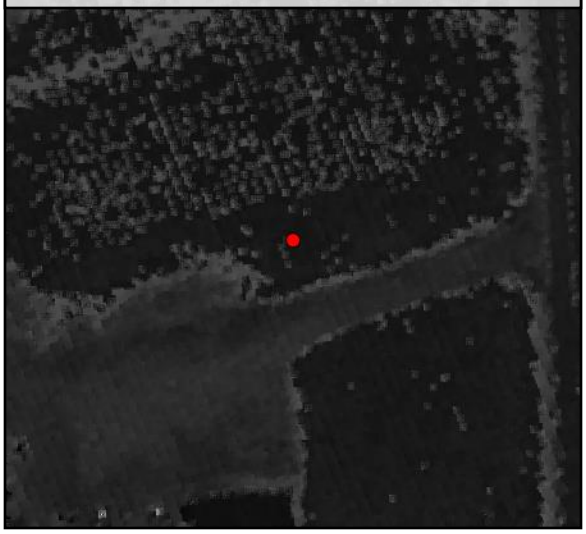
Southwest to Northeast



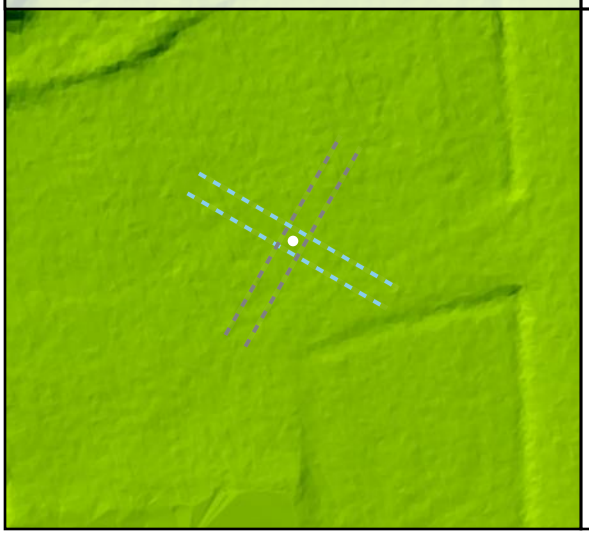
Southeast to Northwest



Intensity Raster



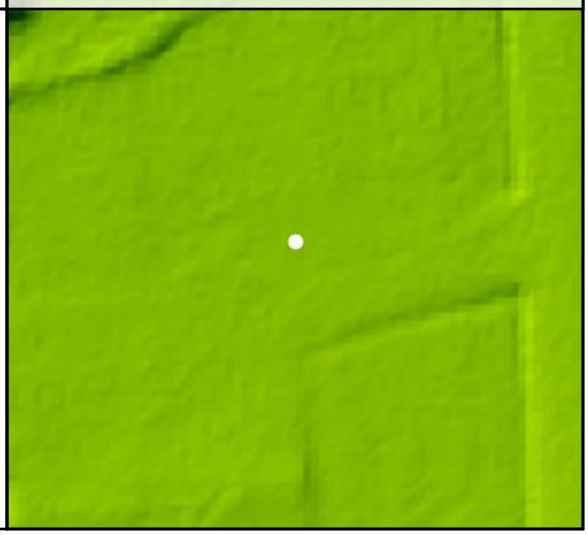
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.02 m

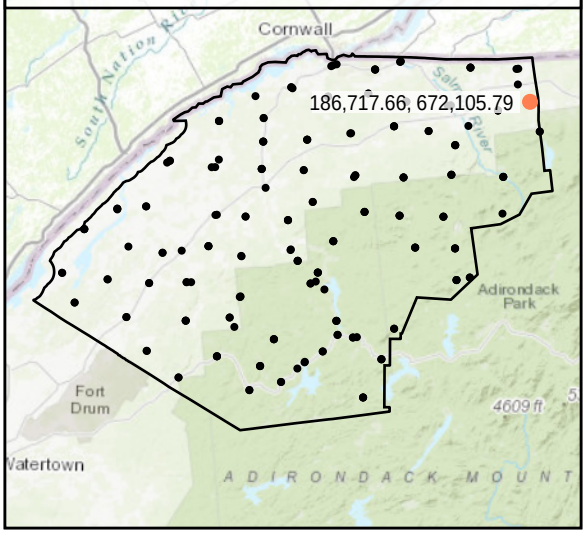
NVA - BE63

Raw TIN Dz -0.01 m

BE64

Known Z	408.75 m	Point Density	3.15 ppsm
DEM Dz	0.05 m	Ground Density	3.15 ppsm
Raw TIN Dz	0.06 m	Slope	0.67 °

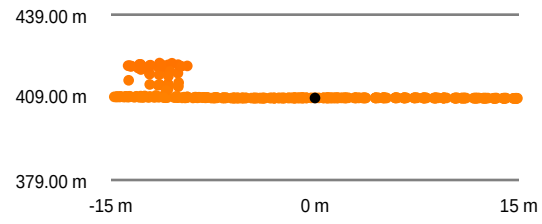
Project Context



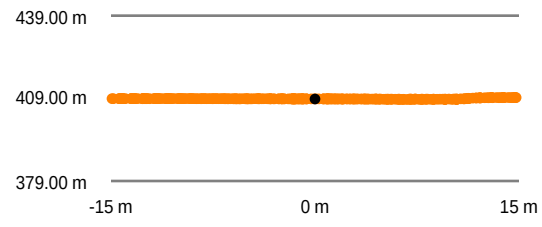
World Imagery



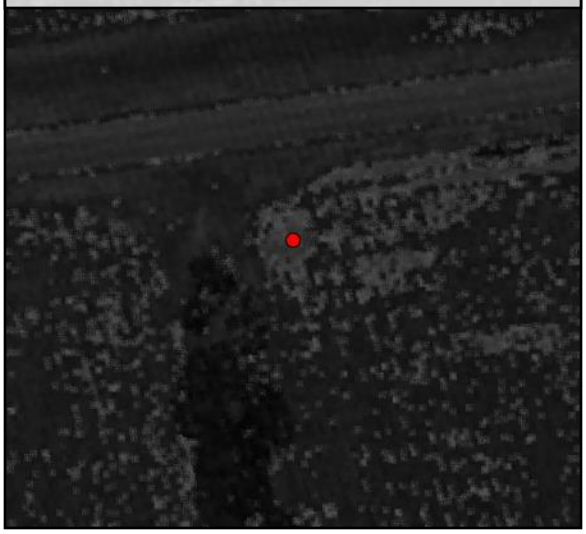
Southwest to Northeast



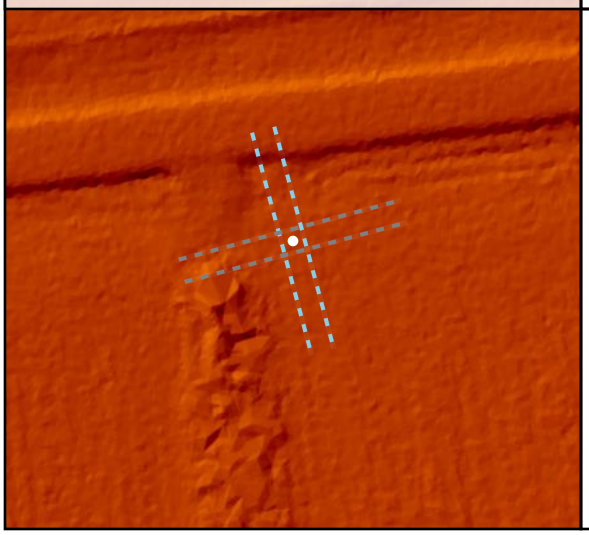
Southeast to Northwest



Intensity Raster



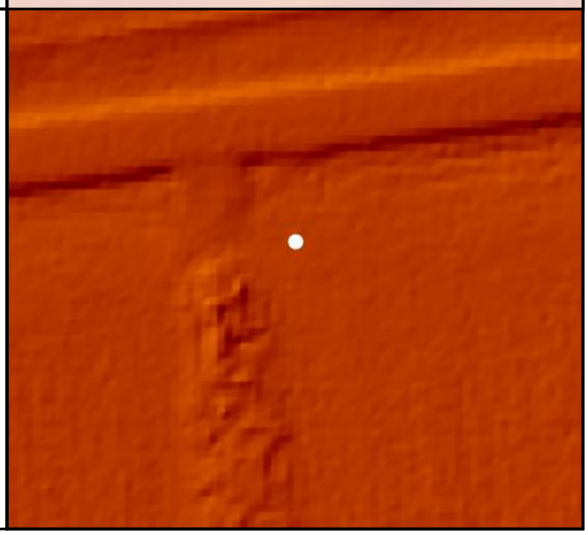
TIN Surface



Project Elevation



DEM Surface



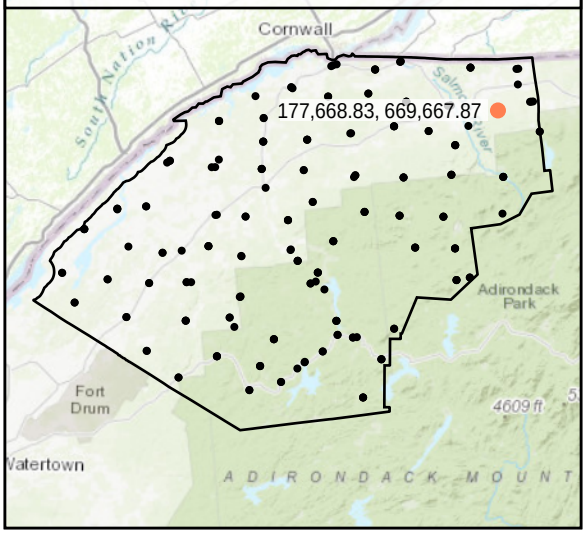
DEM Dz +0.05 m

NVA - BE64

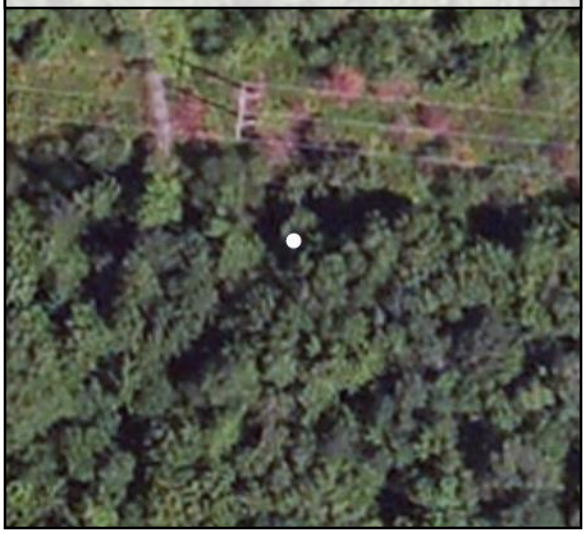
Raw TIN Dz +0.06 m

BE65				
	Known Z	362.99 m	Point Density	2.44 ppsm
	DEM Dz	-0.10 m	Ground Density	2.41 ppsm
	Raw TIN Dz	-0.09 m	Slope	1.22 °

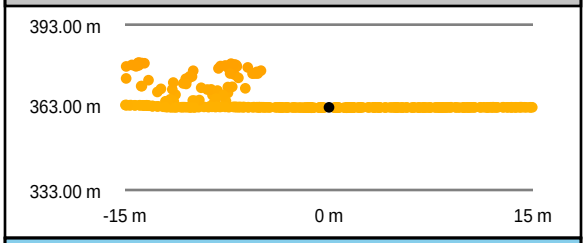
Project Context



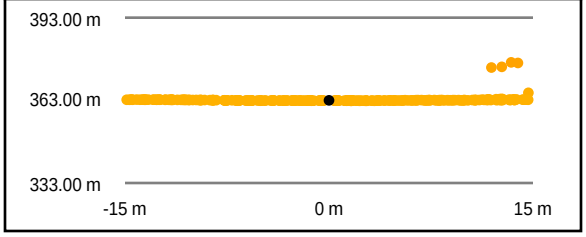
World Imagery



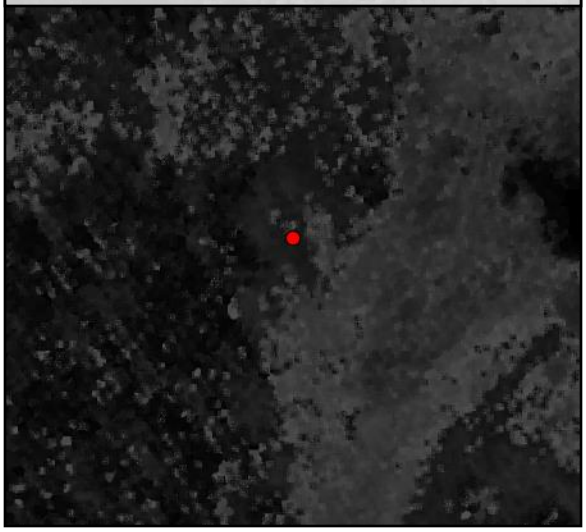
Southwest to Northeast



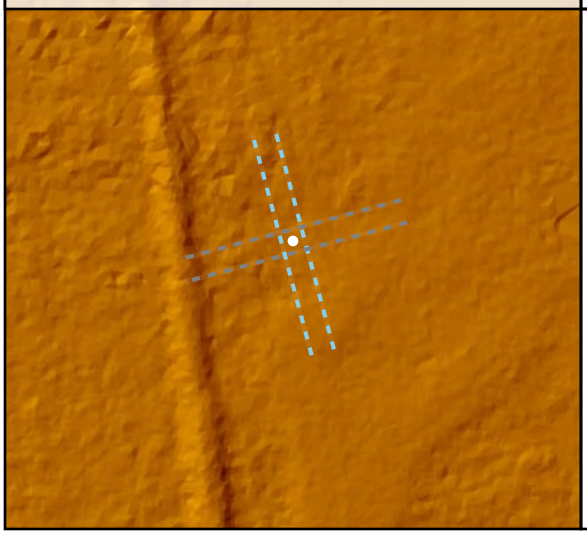
Southeast to Northwest



Intensity Raster



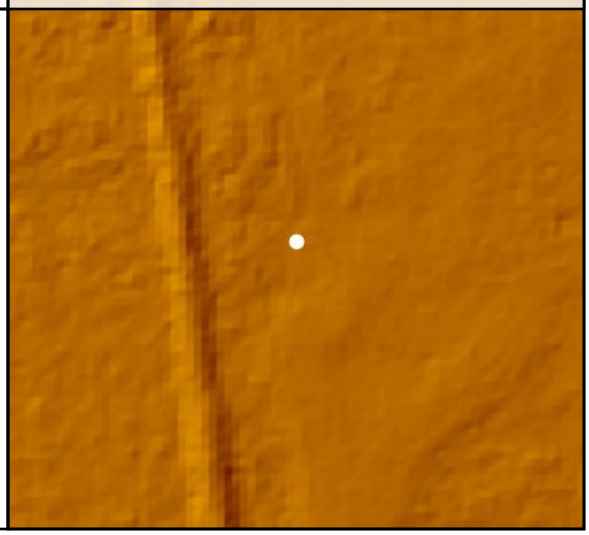
TIN Surface



Project Elevation



DEM Surface



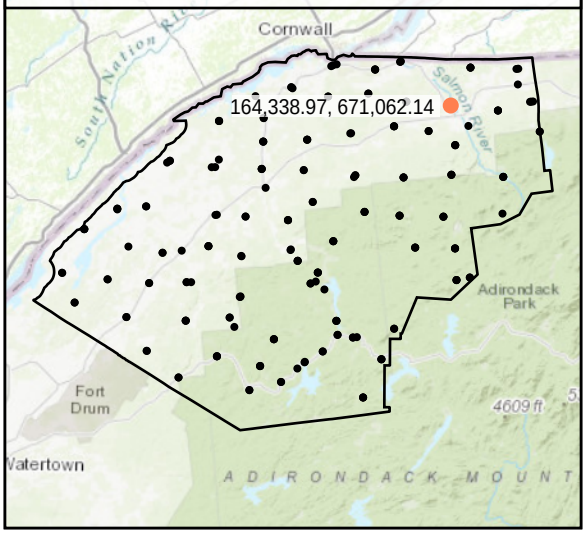
DEM Dz -0.10 m

NVA - BE65

Raw TIN Dz -0.09 m

BE66				
	Known Z	195.95 m	Point Density	3.18 ppsm
	DEM Dz	-0.01 m	Ground Density	3.18 ppsm
	Raw TIN Dz	-0.01 m	Slope	1.41 °

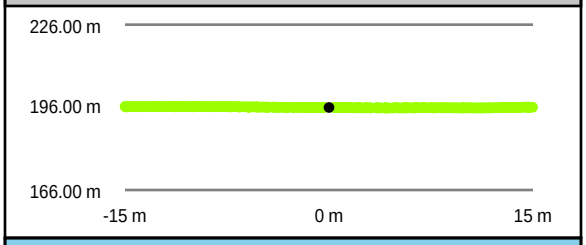
Project Context



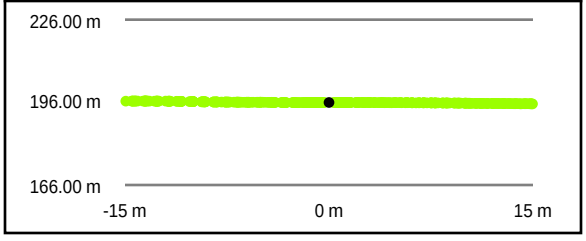
World Imagery



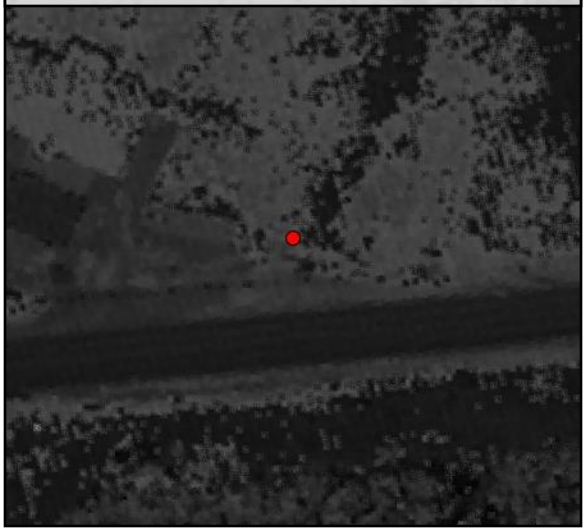
West to East



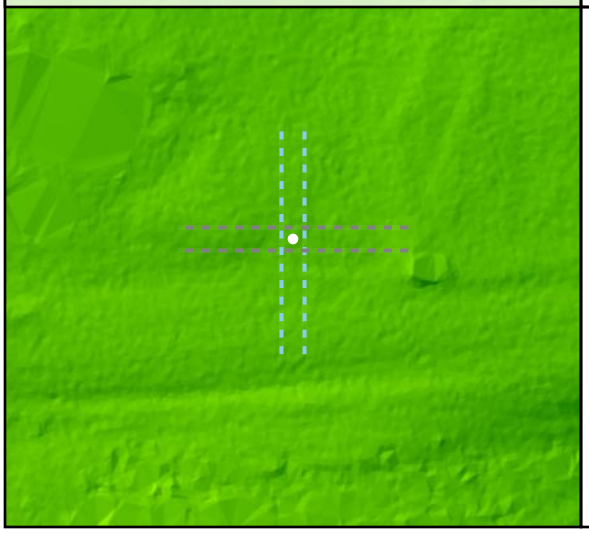
South to North



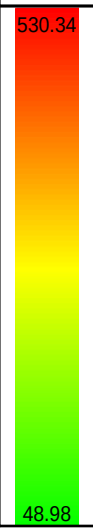
Intensity Raster



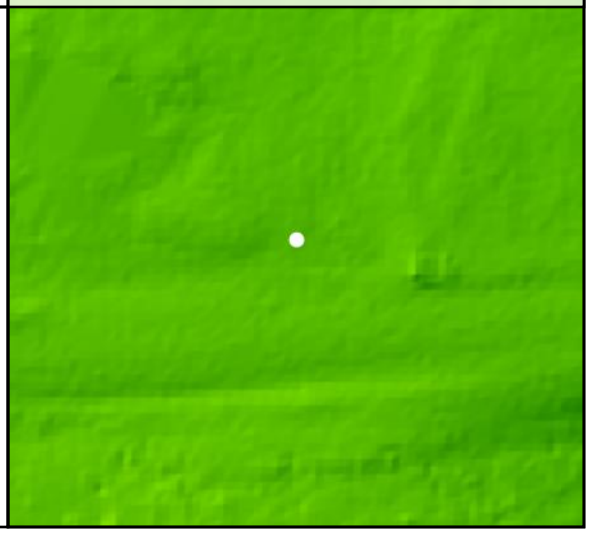
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.01 m

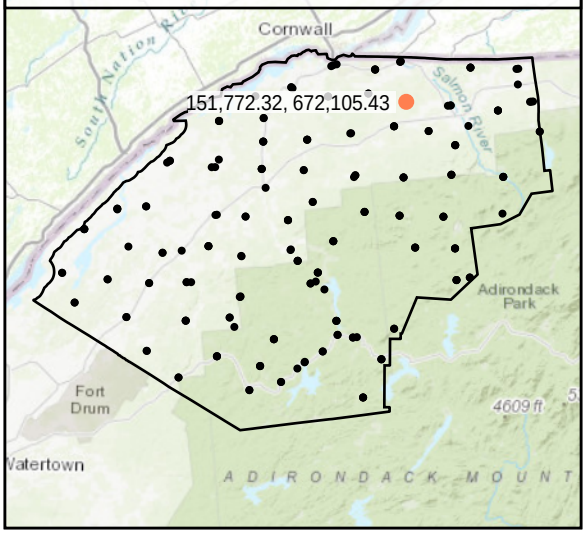
NVA - BE66

Raw TIN Dz -0.01 m

BE67

Known Z	90.81 m	Point Density	3.25 ppsm
DEM Dz	-0.02 m	Ground Density	3.15 ppsm
Raw TIN Dz	-0.03 m	Slope	0.61 °

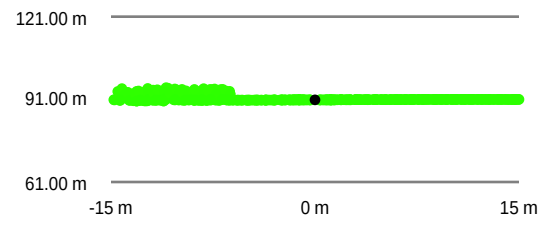
Project Context



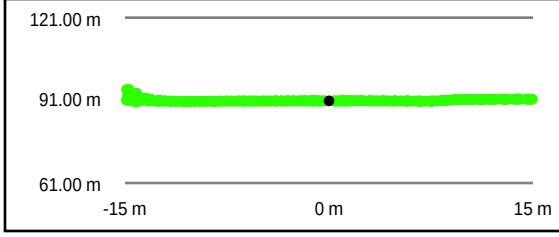
World Imagery



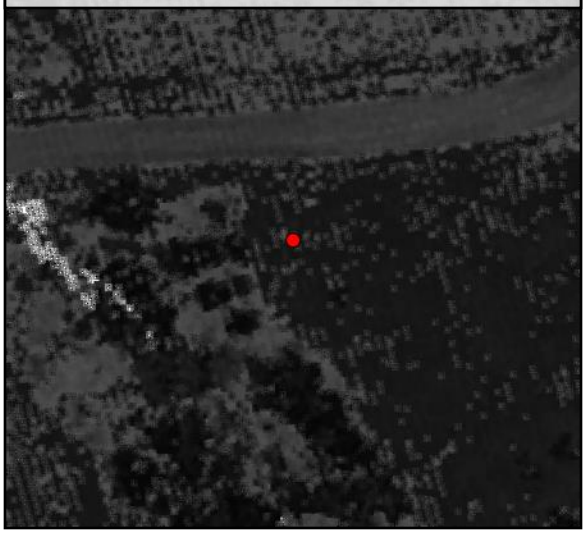
West to East



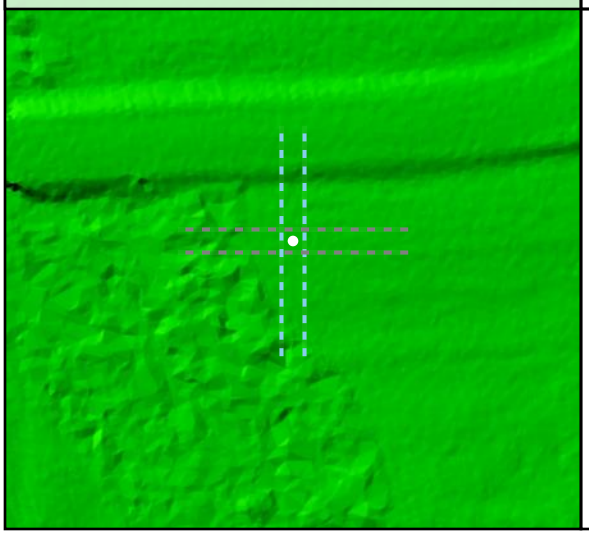
South to North



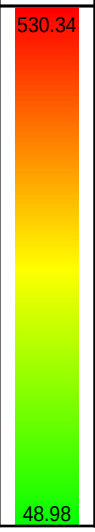
Intensity Raster



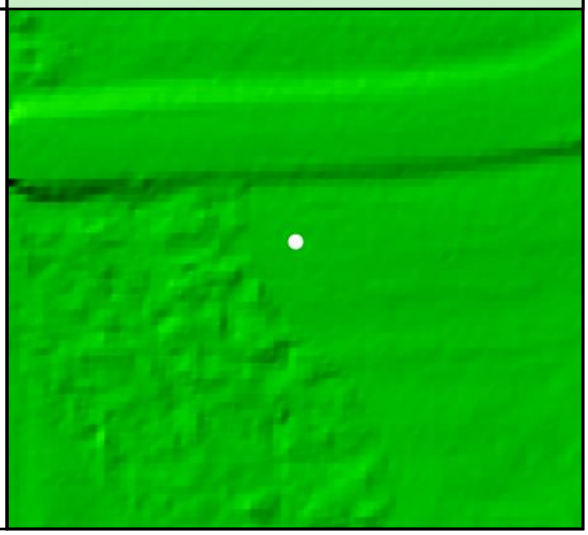
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.02 m

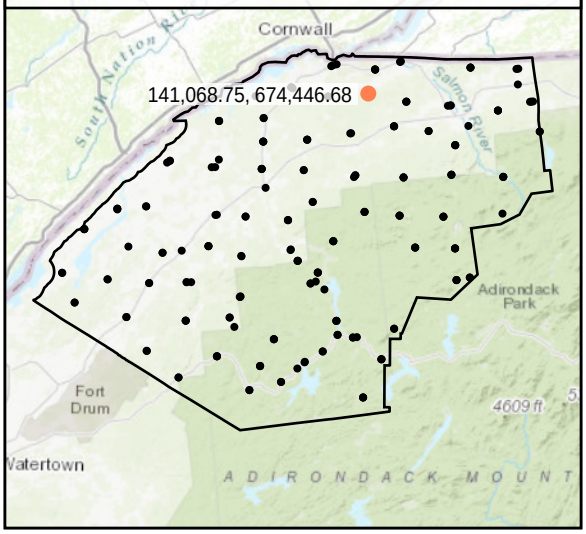
NVA - BE67

Raw TIN Dz -0.03 m

BE68

Known Z	65.55 m	Point Density	2.65 ppsm
DEM Dz	0.03 m	Ground Density	2.55 ppsm
Raw TIN Dz	0.04 m	Slope	1.64 °

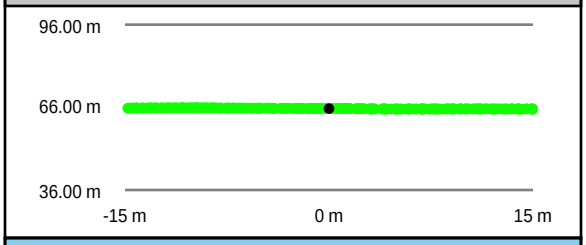
Project Context



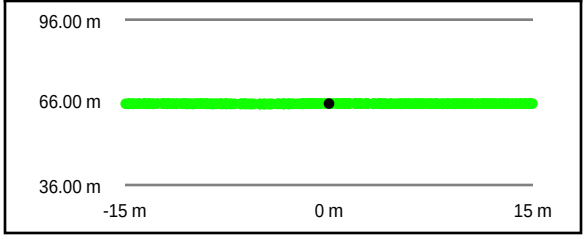
World Imagery



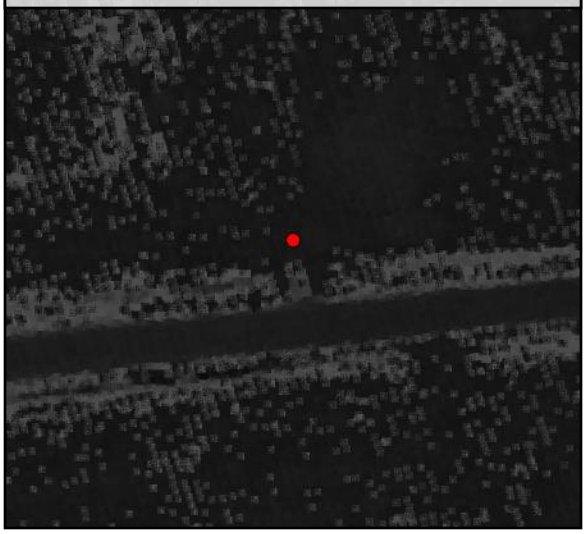
South to North



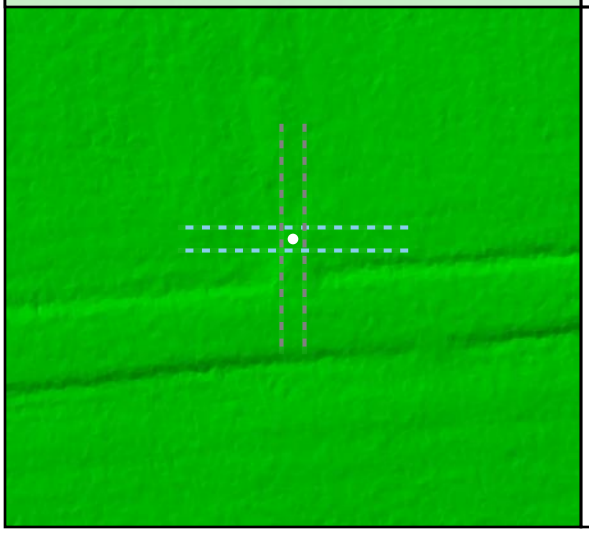
West to East



Intensity Raster



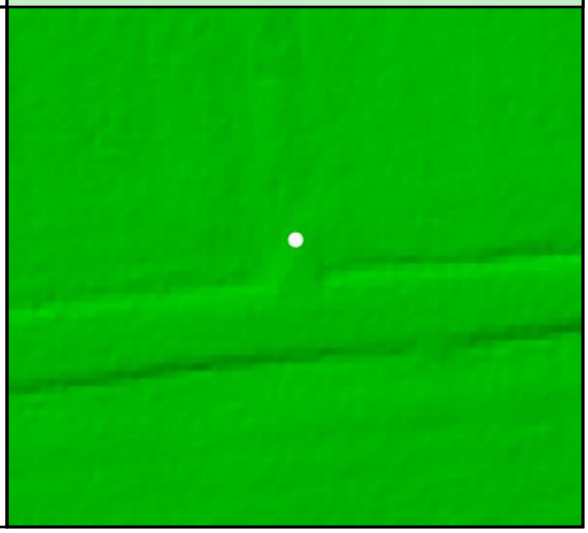
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.03 m

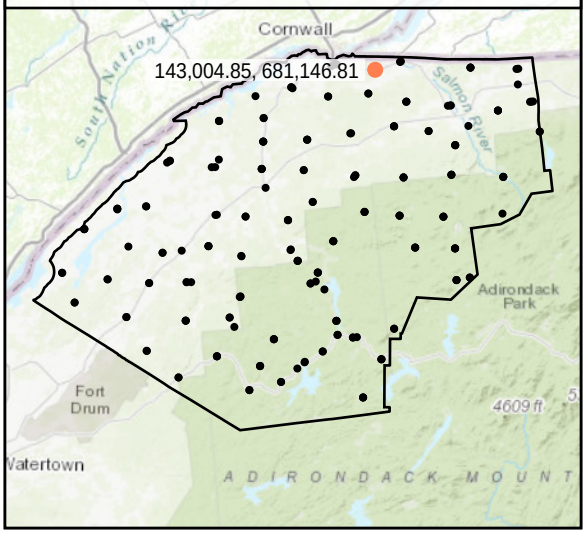
NVA - BE68

Raw TIN Dz +0.04 m

BE69

Known Z	67.01 m	Point Density	2.58 ppsm
DEM Dz	0.03 m	Ground Density	2.55 ppsm
Raw TIN Dz	0.01 m	Slope	0.38 °

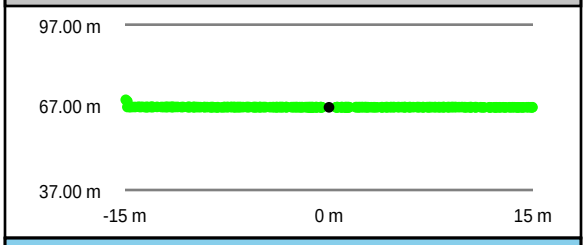
Project Context



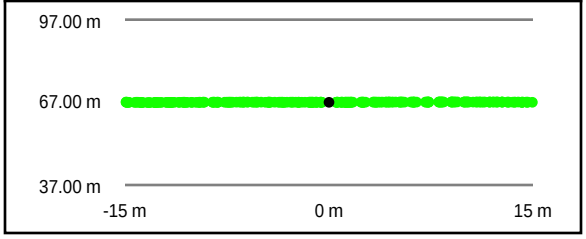
World Imagery



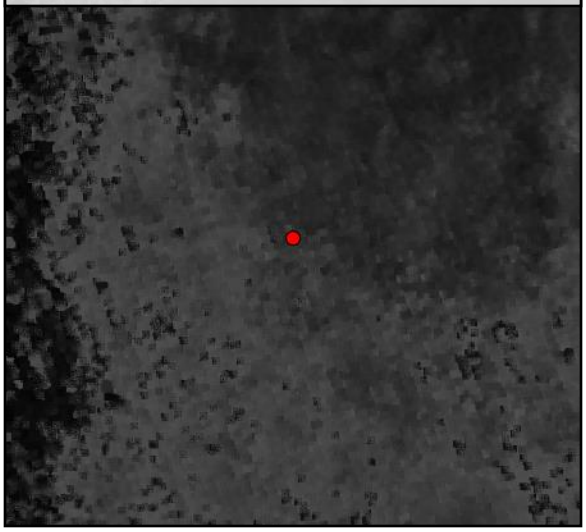
West to East



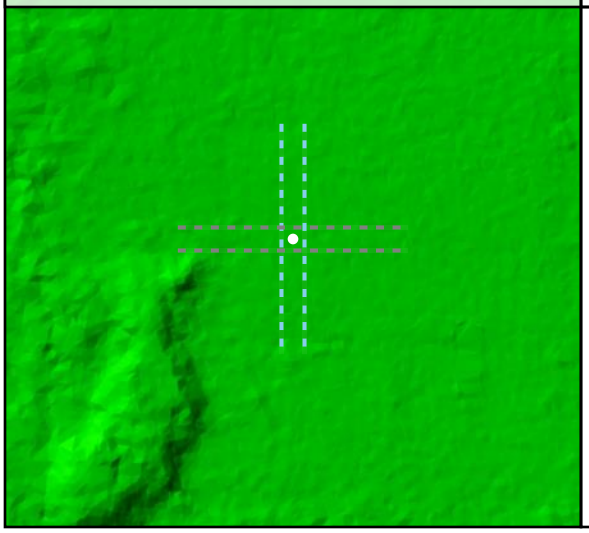
South to North



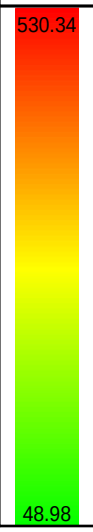
Intensity Raster



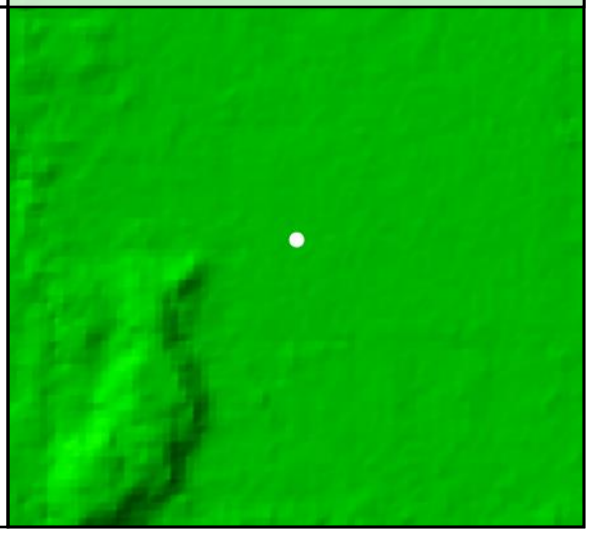
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.03 m

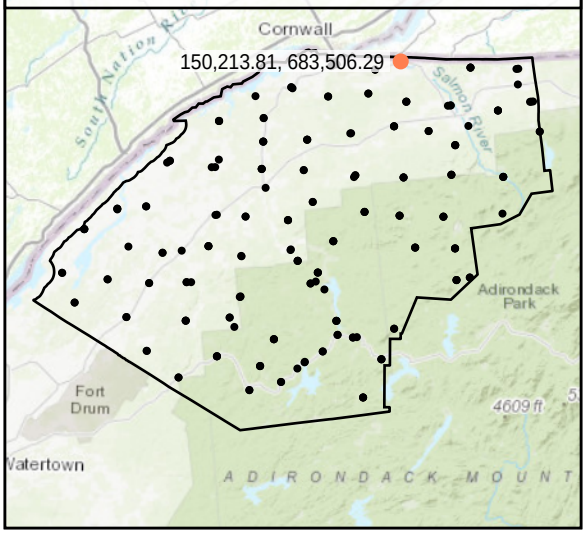
NVA - BE69

Raw TIN Dz +0.01 m

BE70

Known Z	51.93 m	Point Density	2.72 ppsm
DEM Dz	-0.01 m	Ground Density	2.72 ppsm
Raw TIN Dz	-0.01 m	Slope	0.68 °

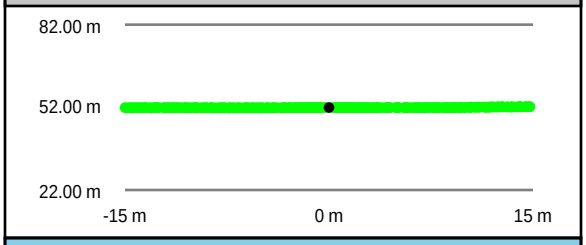
Project Context



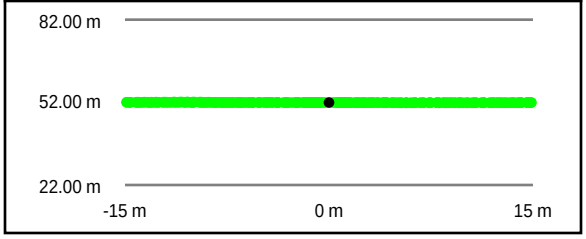
World Imagery



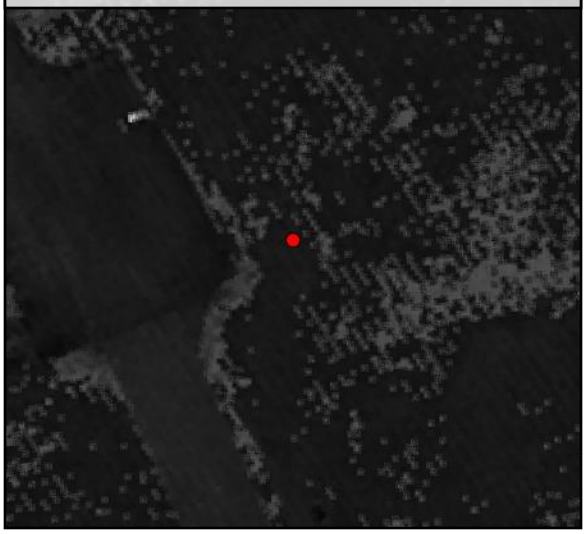
Southeast to Northwest



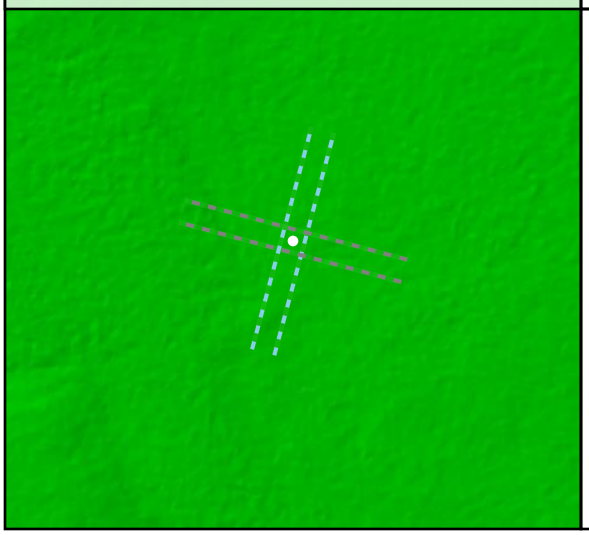
Southwest to Northeast



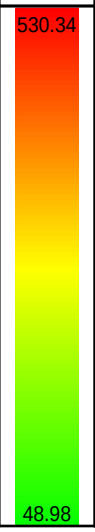
Intensity Raster



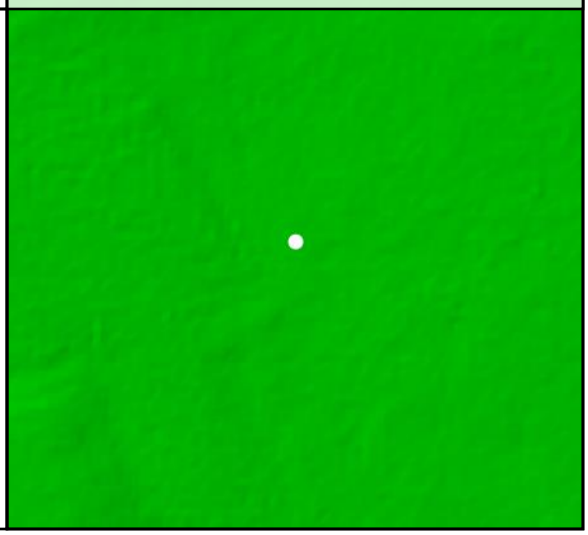
TIN Surface



Project Elevation



DEM Surface



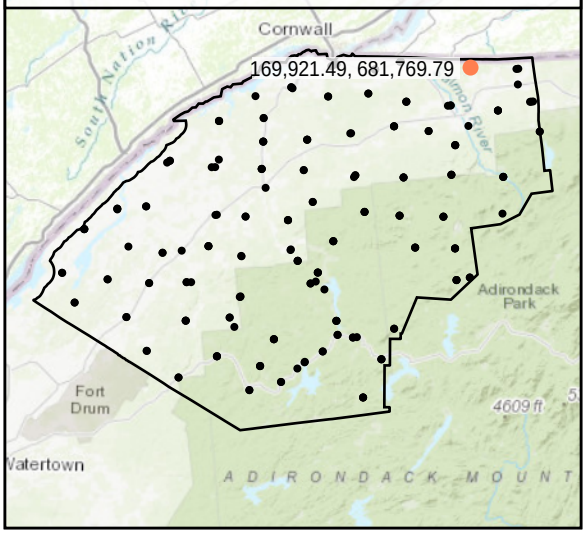
DEM Dz -0.01 m

NVA - BE70

Raw TIN Dz -0.01 m

BE71				
	Known Z	94.57 m	Point Density	3.08 ppsm
	DEM Dz	0.00 m	Ground Density	3.04 ppsm
	Raw TIN Dz	0.00 m	Slope	1.54 °

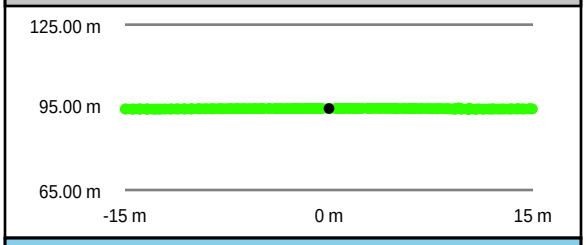
Project Context



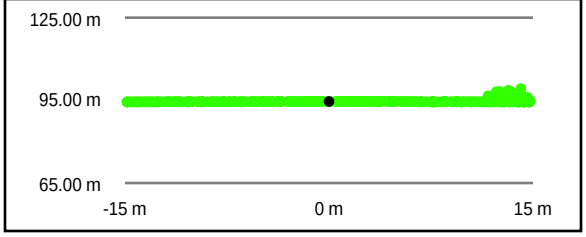
World Imagery



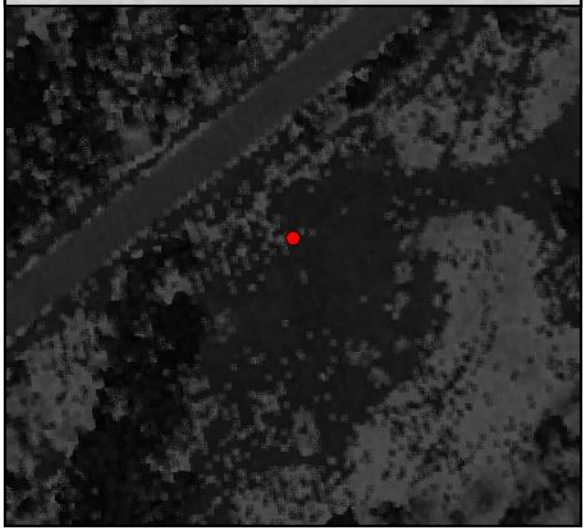
Southeast to Northwest



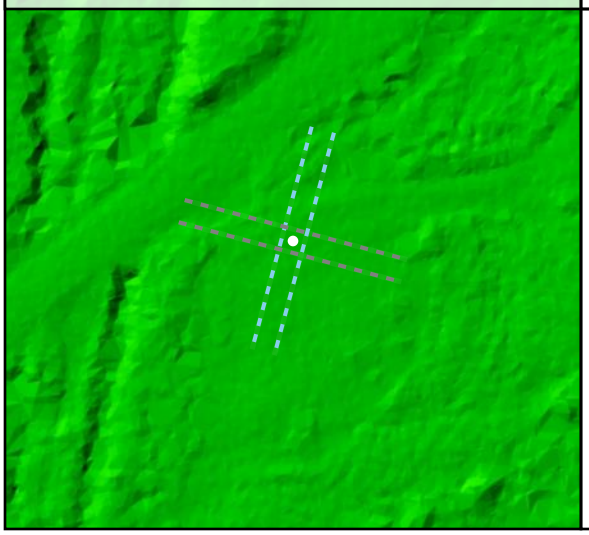
Southwest to Northeast



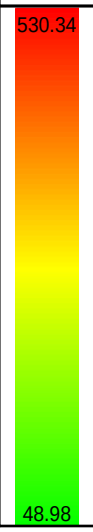
Intensity Raster



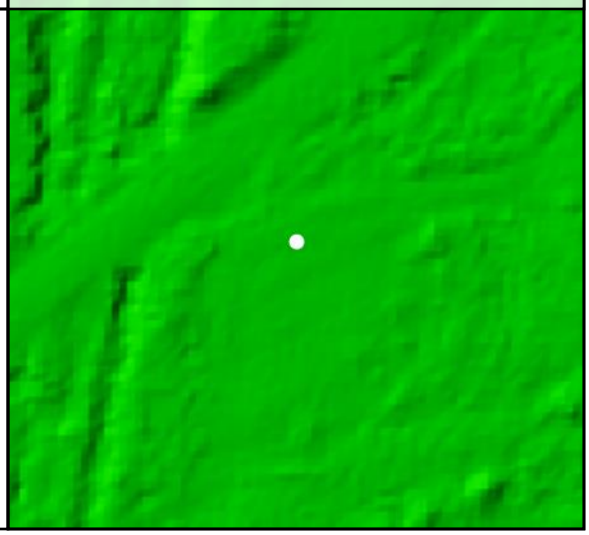
TIN Surface



Project Elevation



DEM Surface



DEM Dz 0.00 m

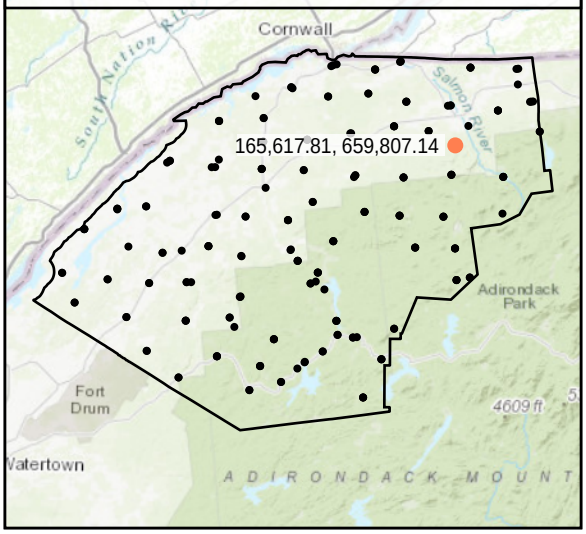
NVA - BE71

Raw TIN Dz 0.00 m

BE72

Known Z	389.45 m	Point Density	2.12 ppsm
DEM Dz	0.04 m	Ground Density	2.09 ppsm
Raw TIN Dz	0.04 m	Slope	2.12 °

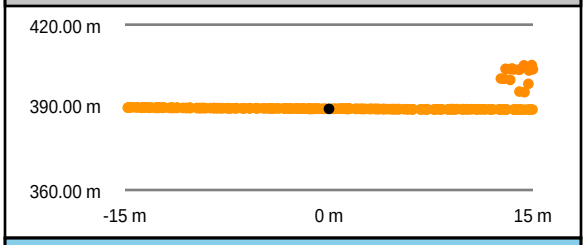
Project Context



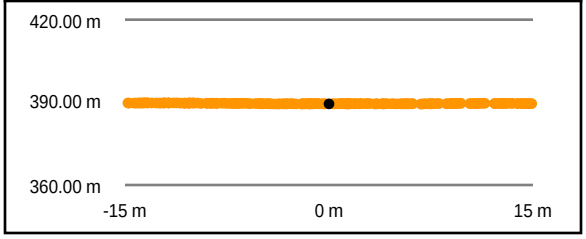
World Imagery



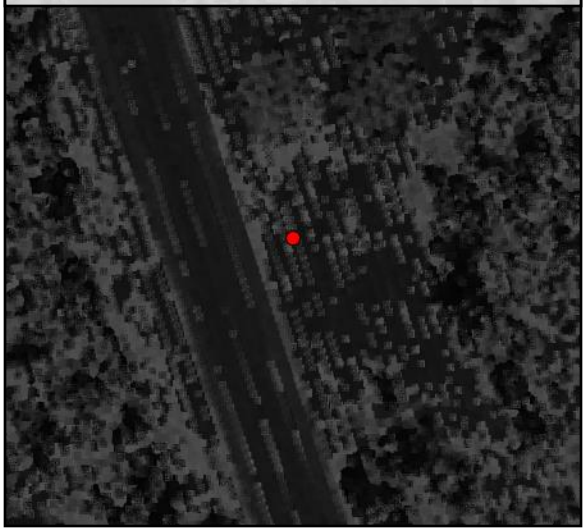
South to North



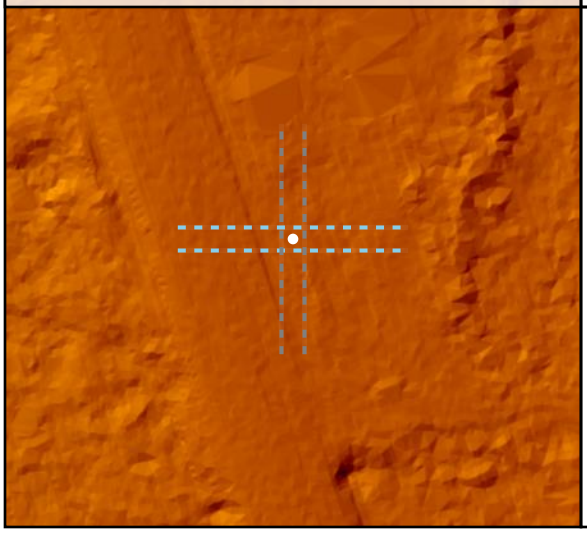
West to East



Intensity Raster



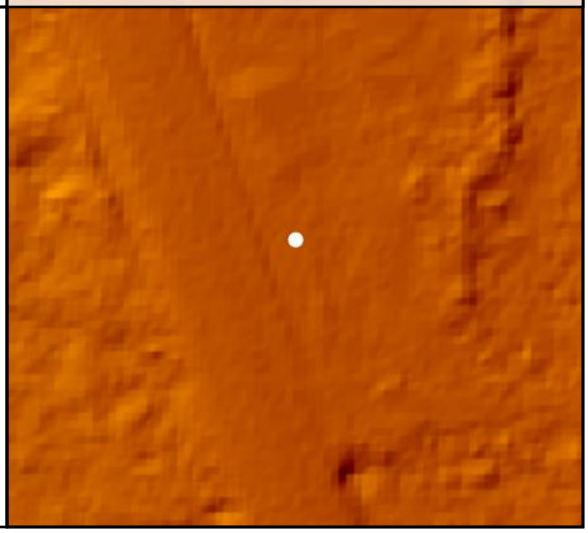
TIN Surface



Project Elevation



DEM Surface



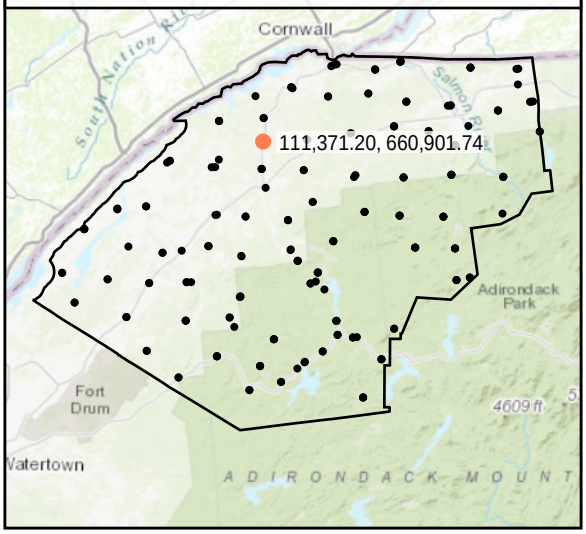
DEM Dz +0.04 m

NVA - BE72

Raw TIN Dz +0.04 m

BE73				
	Known Z	103.26 m	Point Density	4.49 ppsm
	DEM Dz	0.05 m	Ground Density	4.03 ppsm
	Raw TIN Dz	0.06 m	Slope	0.52 °

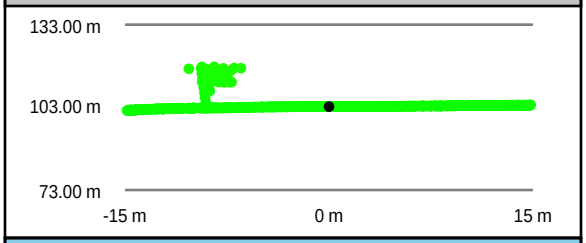
Project Context



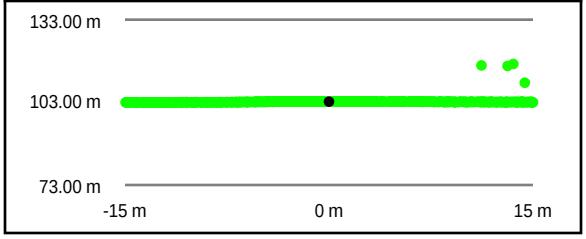
World Imagery



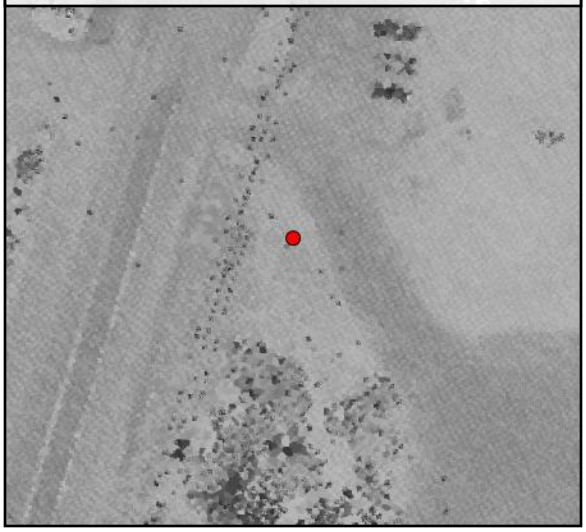
Southwest to Northeast



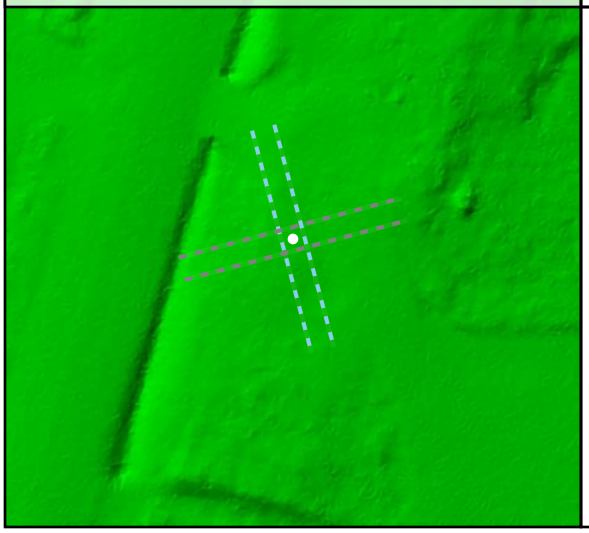
Southeast to Northwest



Intensity Raster



TIN Surface

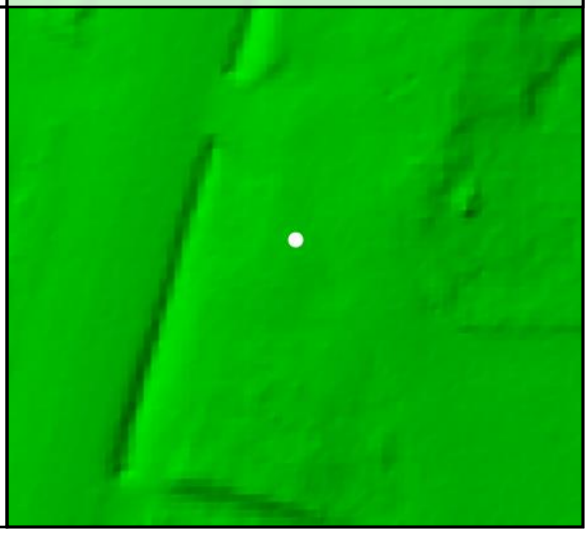


Project Elevation

530.15

94.05

DEM Surface



DEM Dz +0.05 m

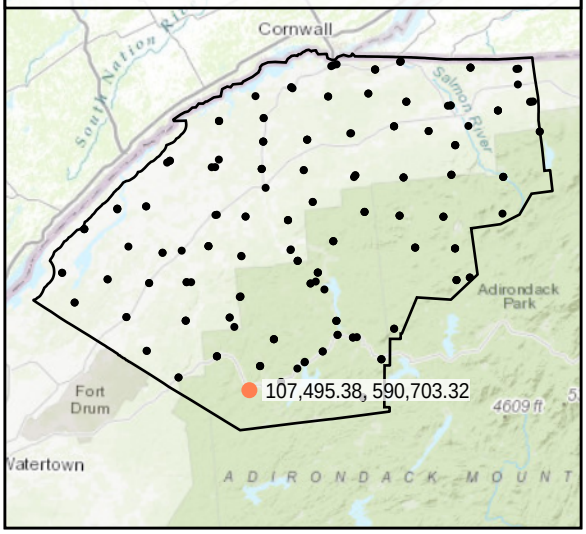
NVA - BE73

Raw TIN Dz +0.06 m

UA06

Known Z	453.71 m	Point Density	5.59 ppsm
DEM Dz	-0.04 m	Ground Density	4.74 ppsm
Raw TIN Dz	-0.03 m	Slope	1.28 °

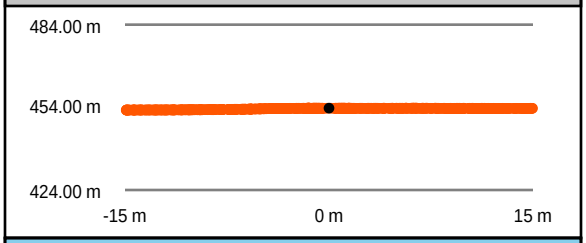
Project Context



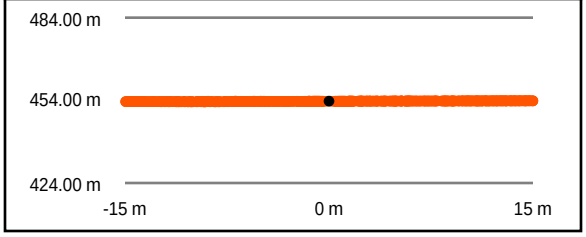
World Imagery



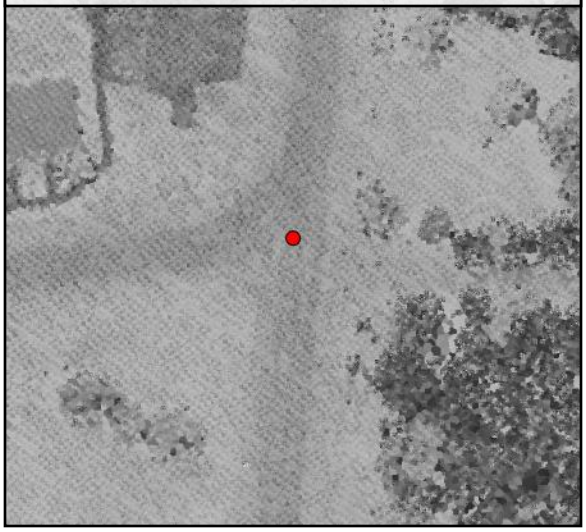
Southeast to Northwest



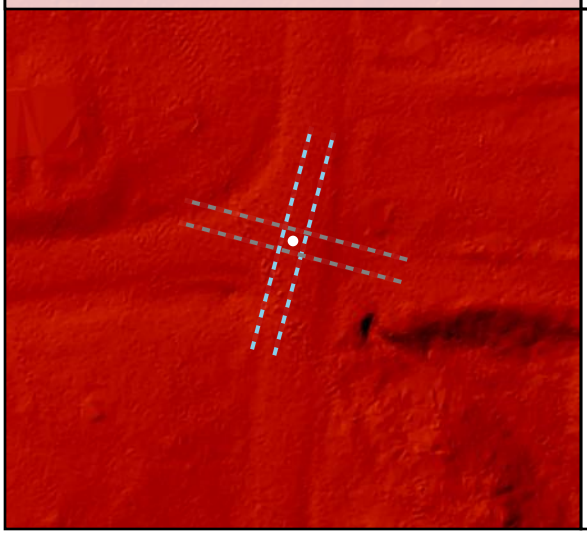
Southwest to Northeast



Intensity Raster



TIN Surface

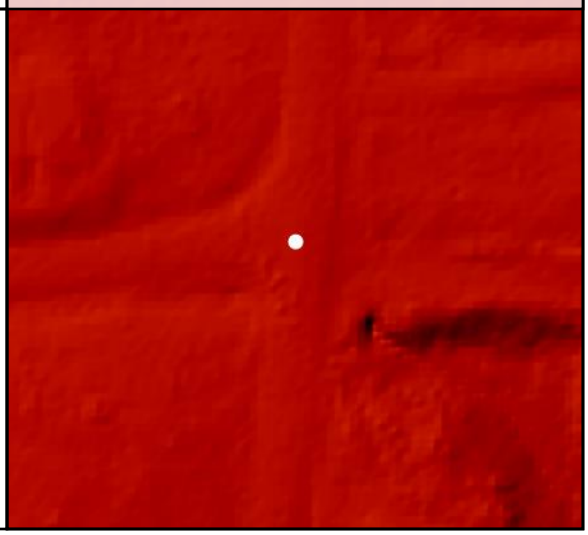


Project Elevation

530.15

71.92

DEM Surface



DEM Dz -0.04 m

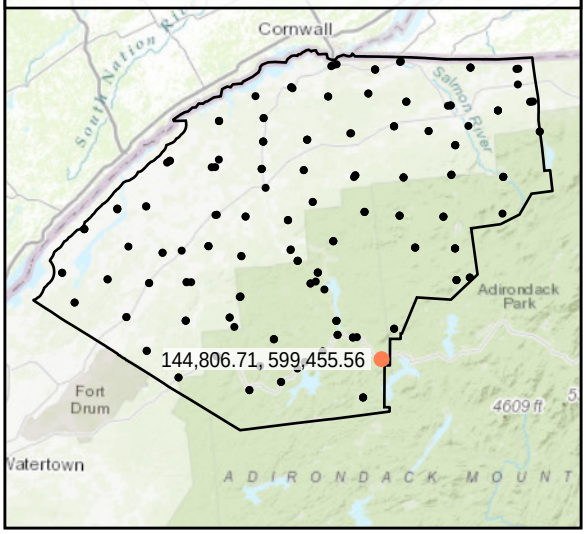
NVA - UA06

Raw TIN Dz -0.03 m

UA07

Known Z	480.15 m	Point Density	2.41 ppsm
DEM Dz	0.01 m	Ground Density	2.41 ppsm
Raw TIN Dz	0.01 m	Slope	0.95 °

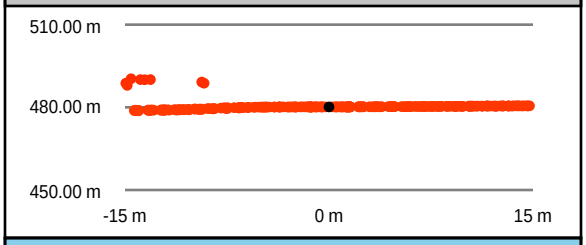
Project Context



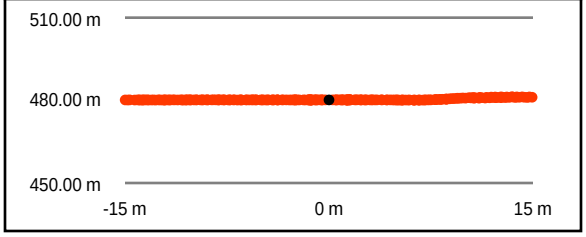
World Imagery



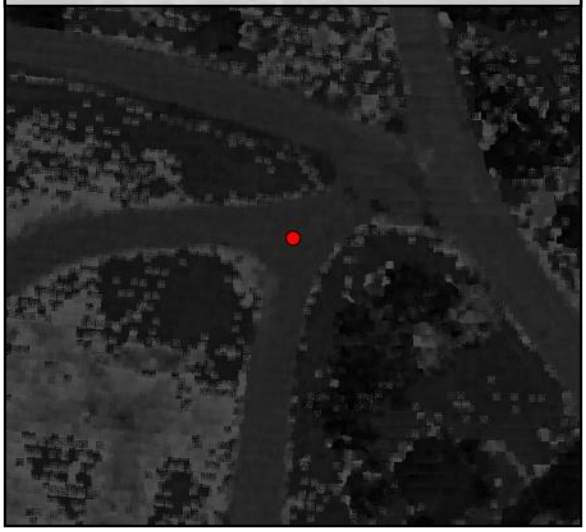
Southeast to Northwest



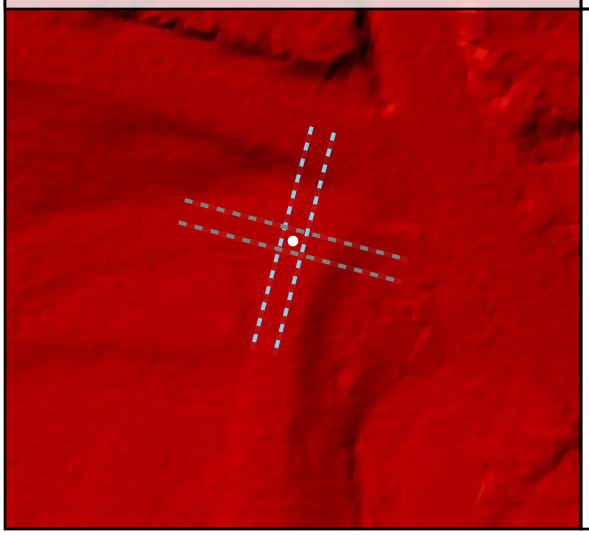
Southwest to Northeast



Intensity Raster



TIN Surface

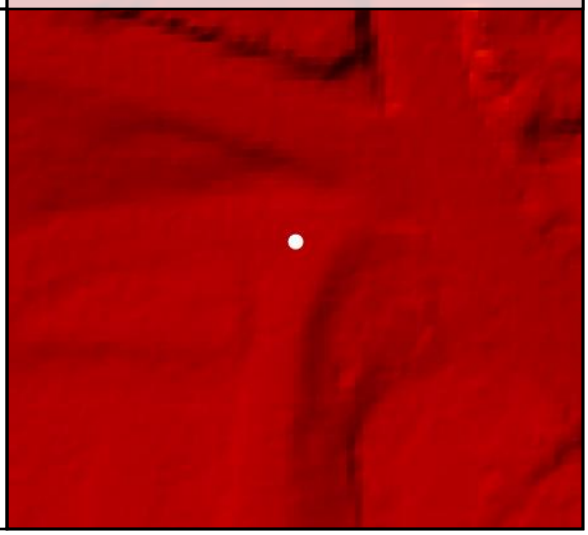


Project Elevation

530.34

71.2

DEM Surface



DEM Dz +0.01 m

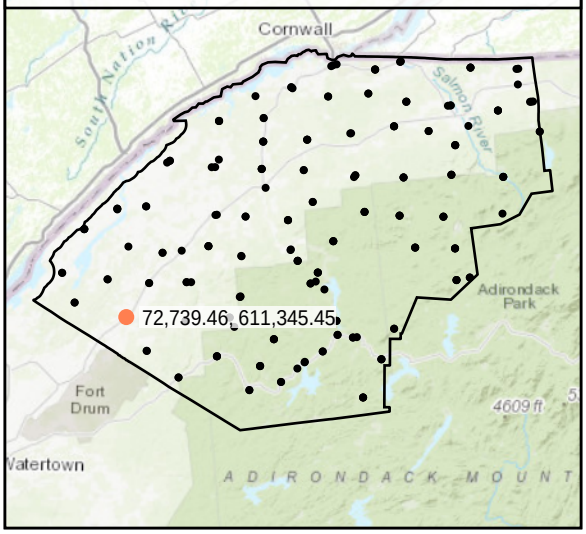
NVA - UA07

Raw TIN Dz +0.01 m

UA08

Known Z	132.69 m	Point Density	4.53 ppsm
DEM Dz	-0.04 m	Ground Density	4.31 ppsm
Raw TIN Dz	-0.04 m	Slope	2.33 °

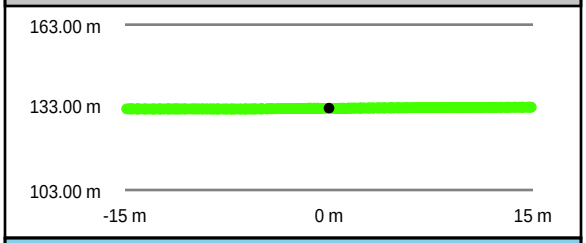
Project Context



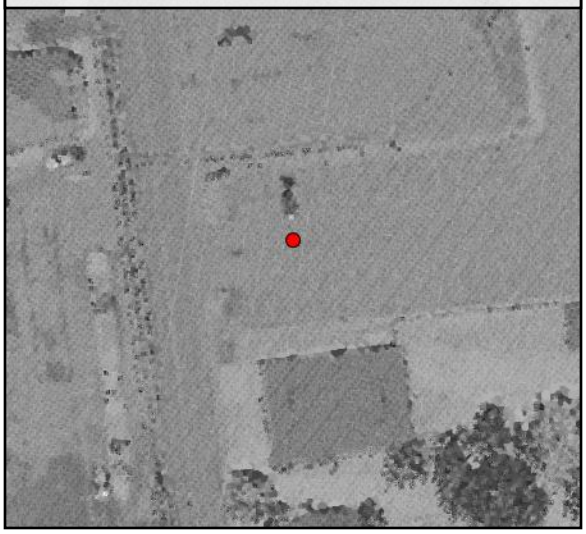
World Imagery



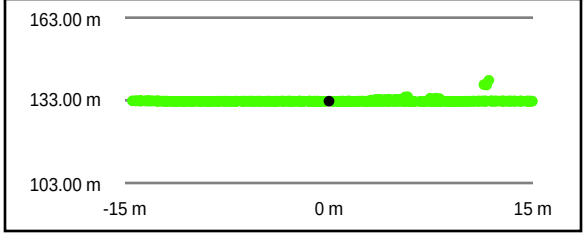
Southwest to Northeast



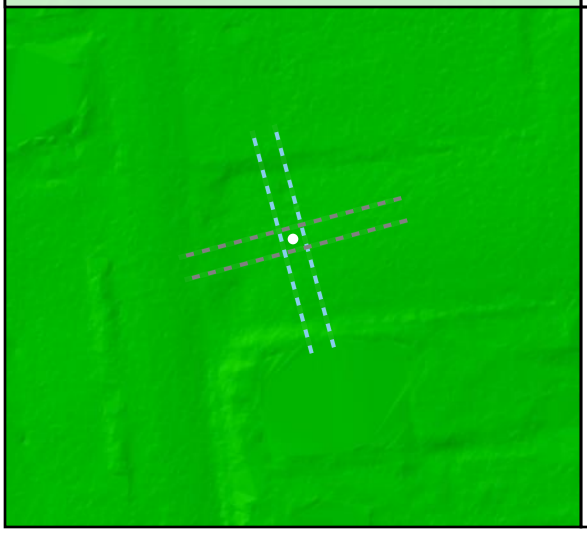
Intensity Raster



Southeast to Northwest



TIN Surface

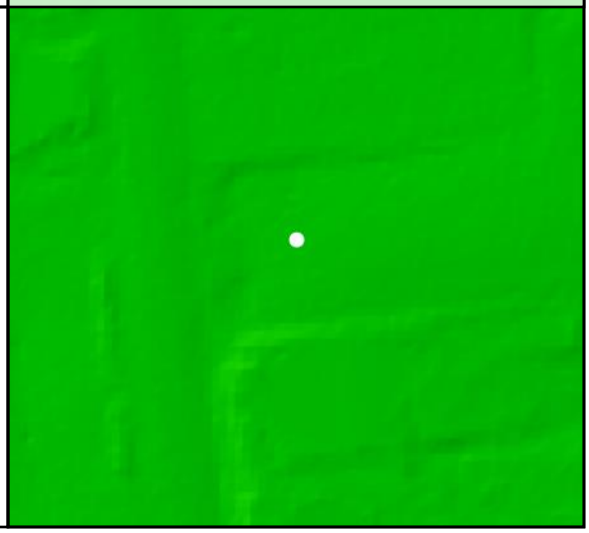


Project Elevation

530.34

71.2

DEM Surface



DEM Dz -0.04 m

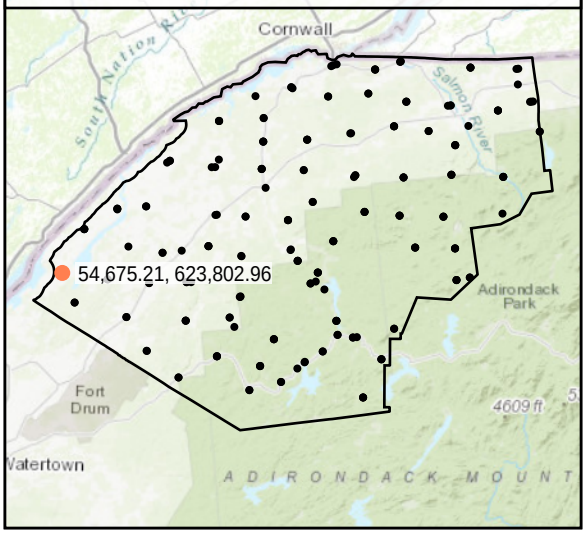
NVA - UA08

Raw TIN Dz -0.04 m

UA09

Known Z	118.65 m	Point Density	4.10 ppsm
DEM Dz	0.02 m	Ground Density	7.50 ppsm
Raw TIN Dz	0.03 m	Slope	0.20 °

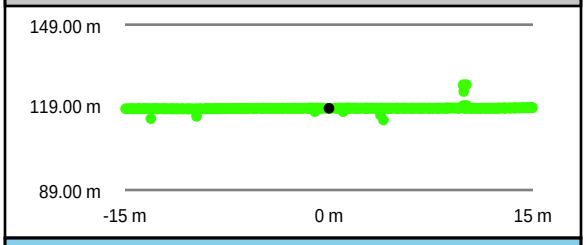
Project Context



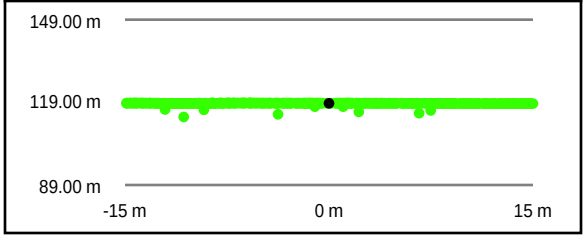
World Imagery



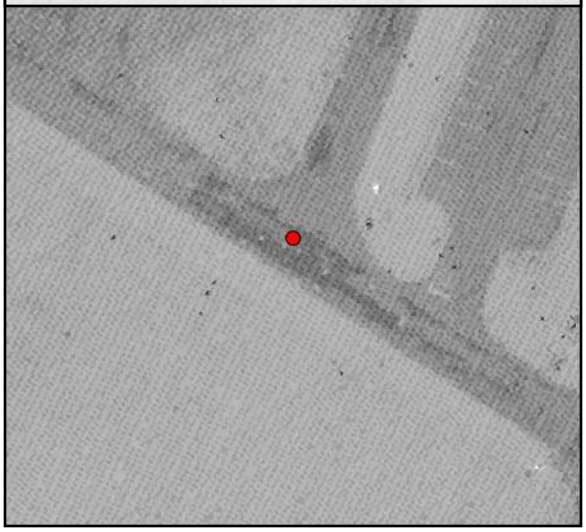
Southwest to Northeast



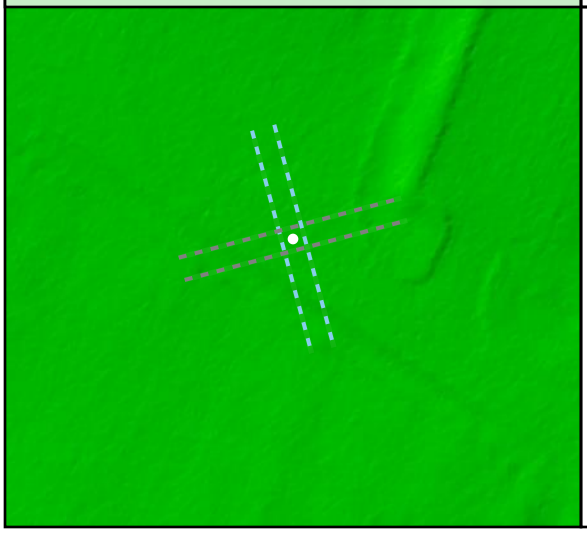
Southeast to Northwest



Intensity Raster



TIN Surface

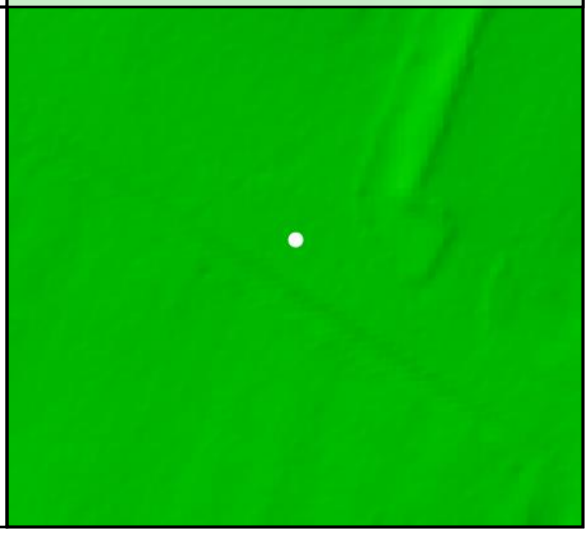


Project Elevation

530.34

71.2

DEM Surface



DEM Dz +0.02 m

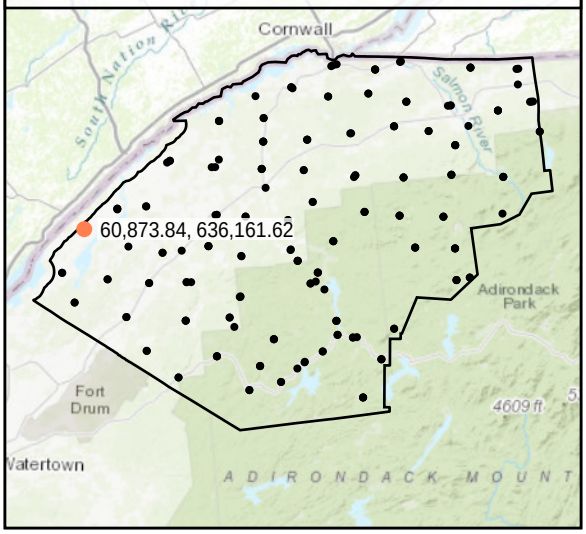
NVA - UA09

Raw TIN Dz +0.03 m

UA10

Known Z	91.76 m	Point Density	4.03 ppsm
DEM Dz	0.01 m	Ground Density	3.47 ppsm
Raw TIN Dz	0.00 m	Slope	0.62 °

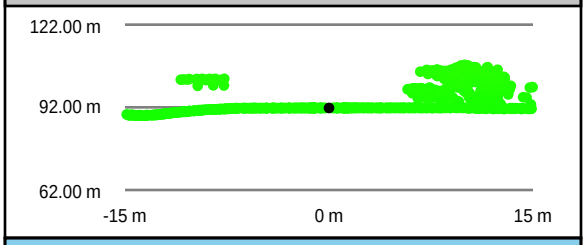
Project Context



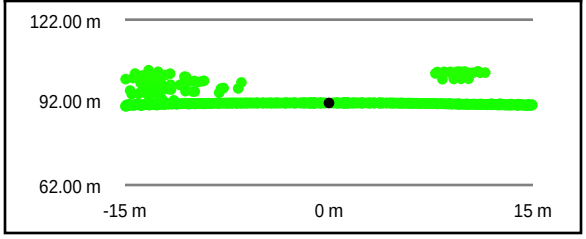
World Imagery



Southeast to Northwest



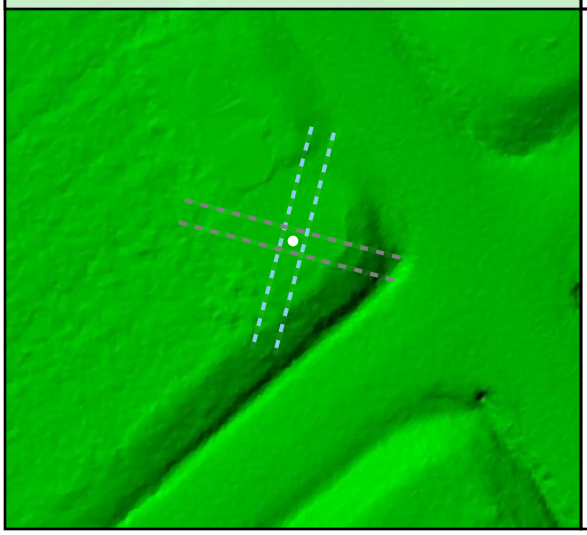
Southwest to Northeast



Intensity Raster



TIN Surface

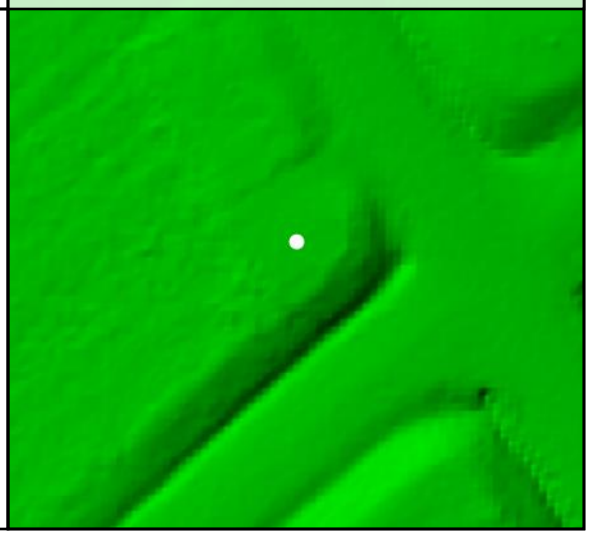


Project Elevation

530.34

71.2

DEM Surface



DEM Dz +0.01 m

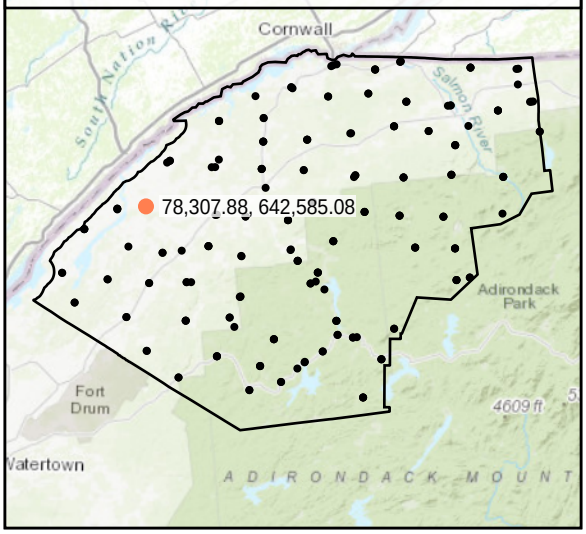
NVA - UA10

Raw TIN Dz +0.00 m

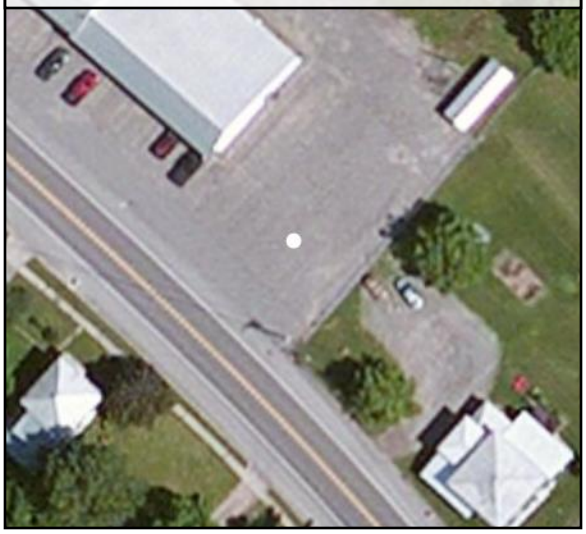
UA11

Known Z	90.00 m	Point Density	3.71 ppsm
DEM Dz	0.08 m	Ground Density	3.01 ppsm
Raw TIN Dz	0.08 m	Slope	1.69 °

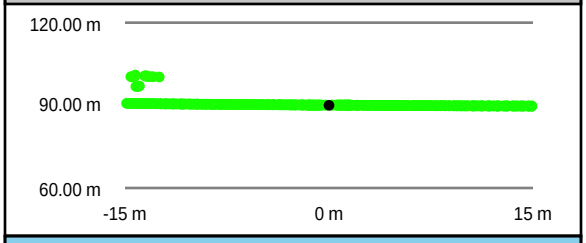
Project Context



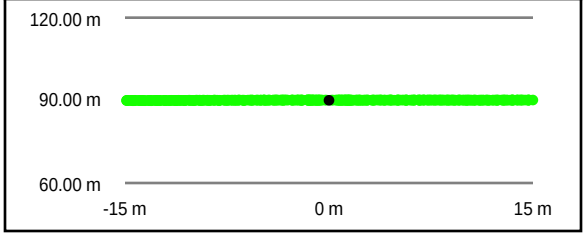
World Imagery



South to North



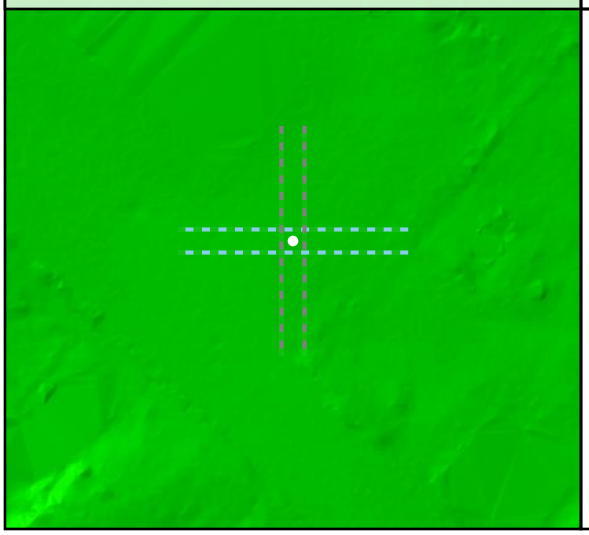
West to East



Intensity Raster



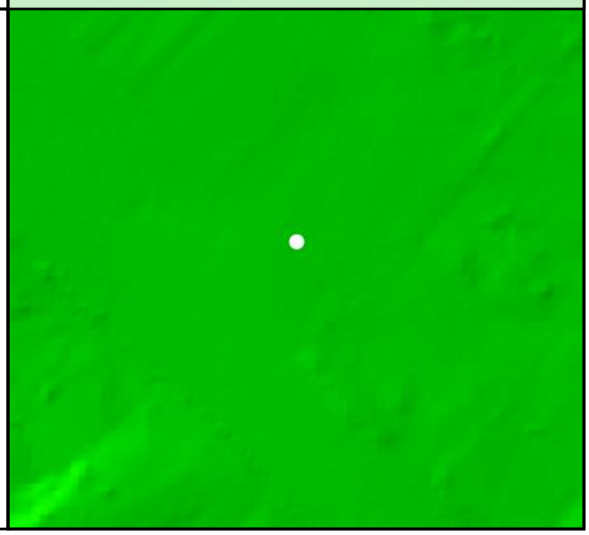
TIN Surface



Project Elevation



DEM Surface



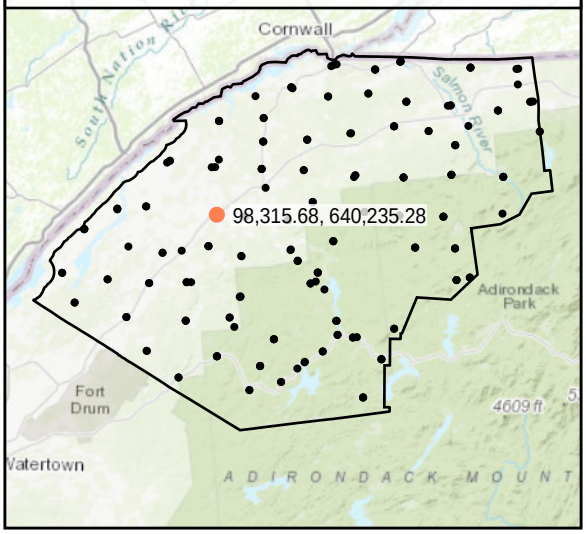
DEM Dz +0.08 m

NVA - UA11

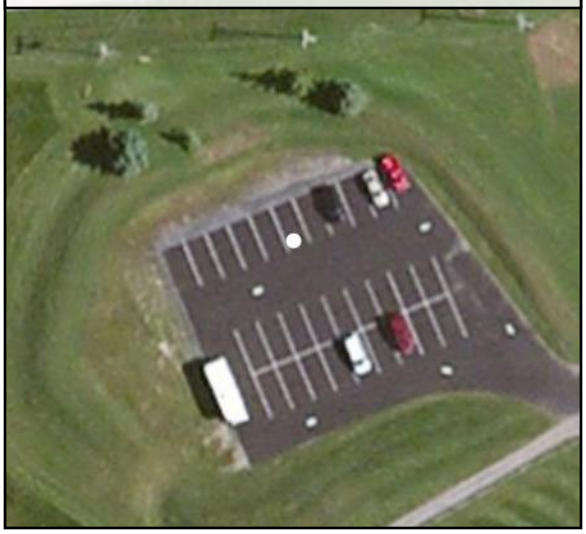
Raw TIN Dz +0.08 m

UA12				
	Known Z	115.81 m	Point Density	4.60 ppsm
	DEM Dz	-0.03 m	Ground Density	4.00 ppsm
	Raw TIN Dz	-0.04 m	Slope	0.61 °

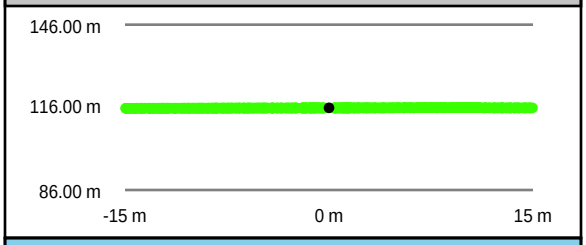
Project Context



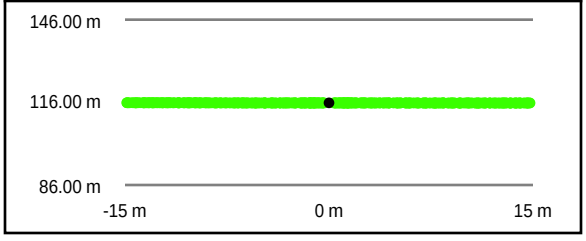
World Imagery



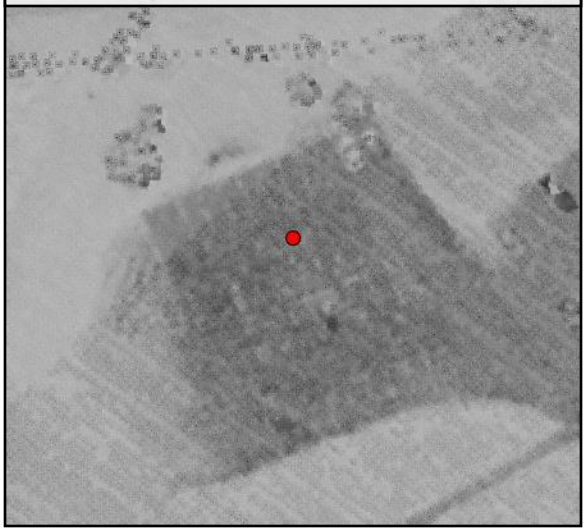
South to North



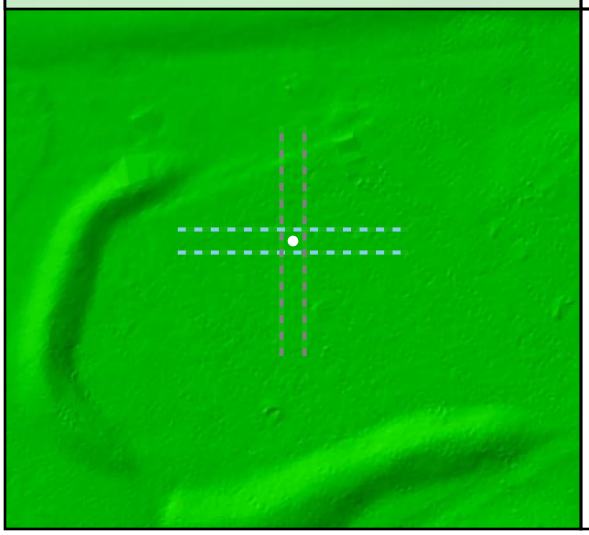
West to East



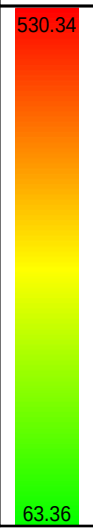
Intensity Raster



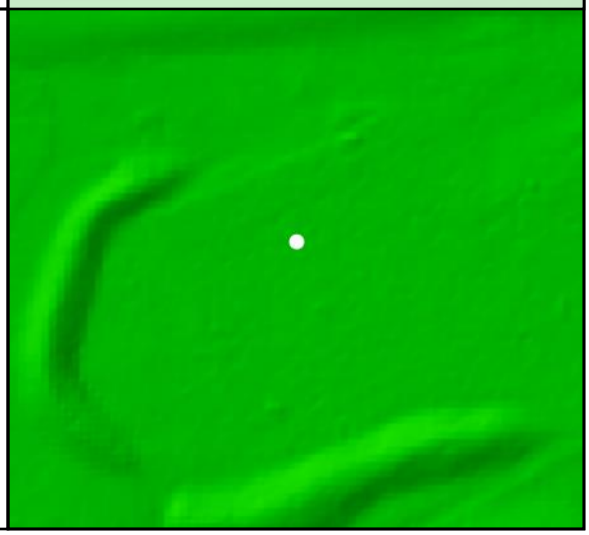
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.03 m

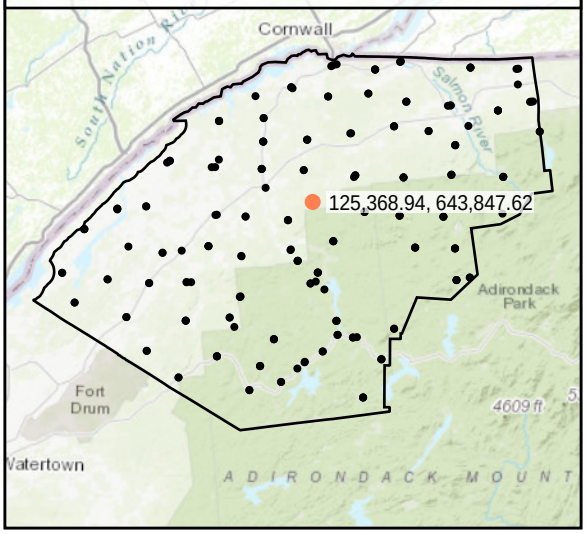
NVA - UA12

Raw TIN Dz -0.04 m

UA13

Known Z	272.38 m	Point Density	2.33 ppsm
DEM Dz	0.05 m	Ground Density	2.26 ppsm
Raw TIN Dz	0.07 m	Slope	0.93 °

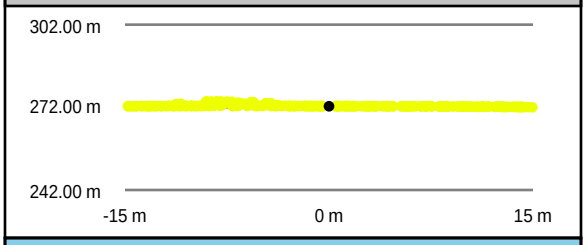
Project Context



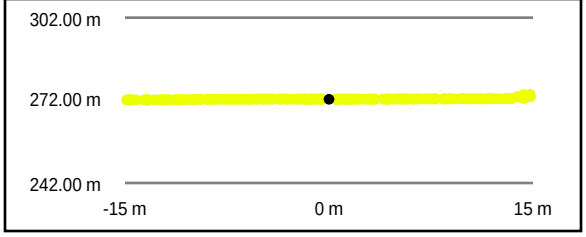
World Imagery



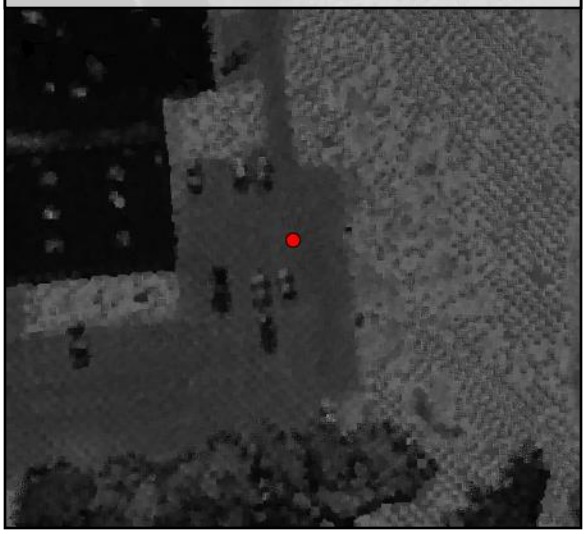
Southwest to Northeast



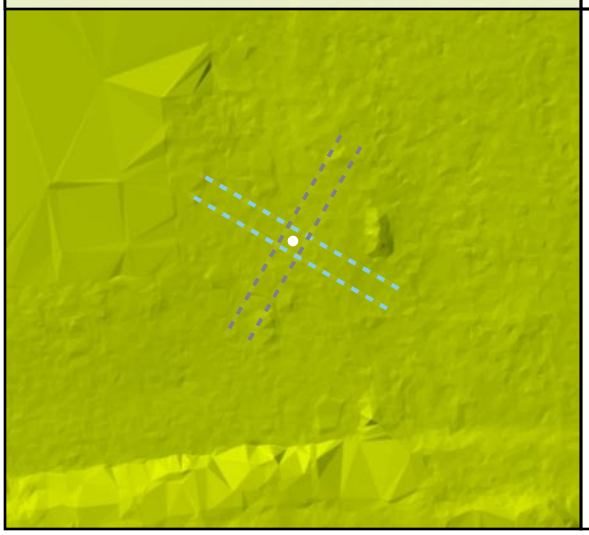
Southeast to Northwest



Intensity Raster



TIN Surface

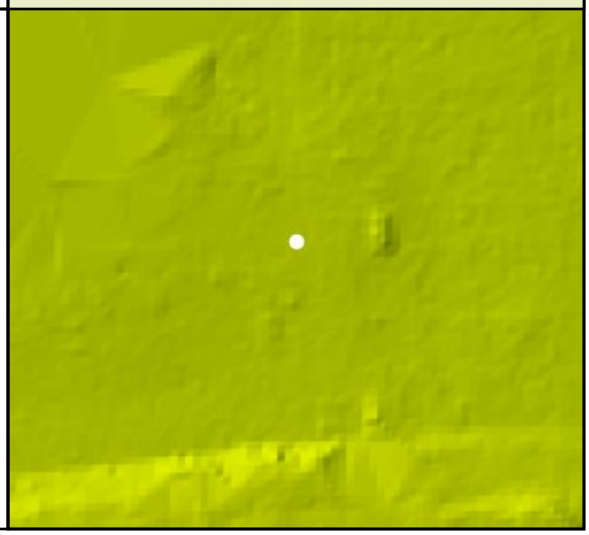


Project Elevation

530.34

48.98

DEM Surface



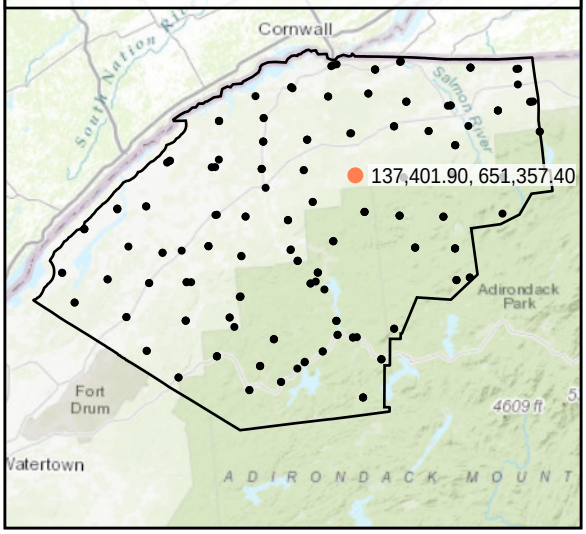
DEM Dz +0.05 m

NVA - UA13

Raw TIN Dz +0.07 m

UA14				
	Known Z	237.36 m	Point Density	2.37 ppsm
	DEM Dz	0.04 m	Ground Density	2.26 ppsm
	Raw TIN Dz	0.03 m	Slope	0.65 °

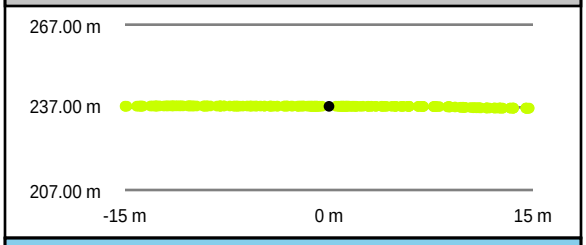
Project Context



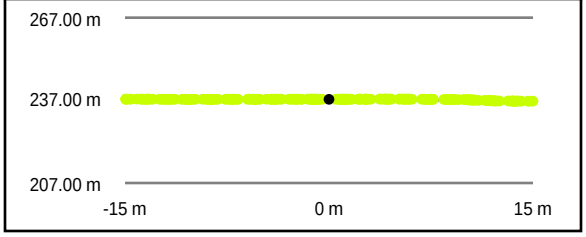
World Imagery



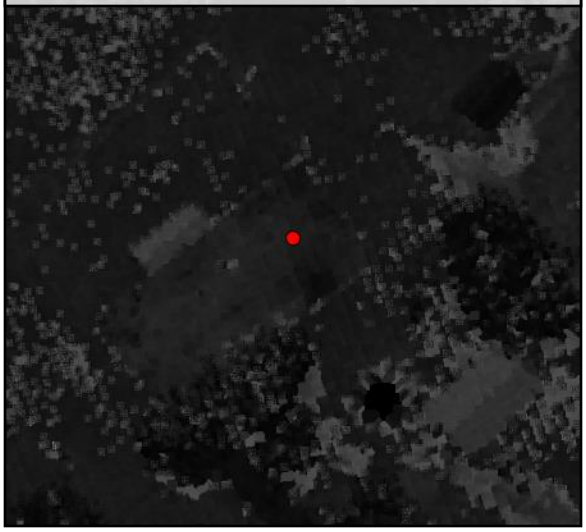
Southeast to Northwest



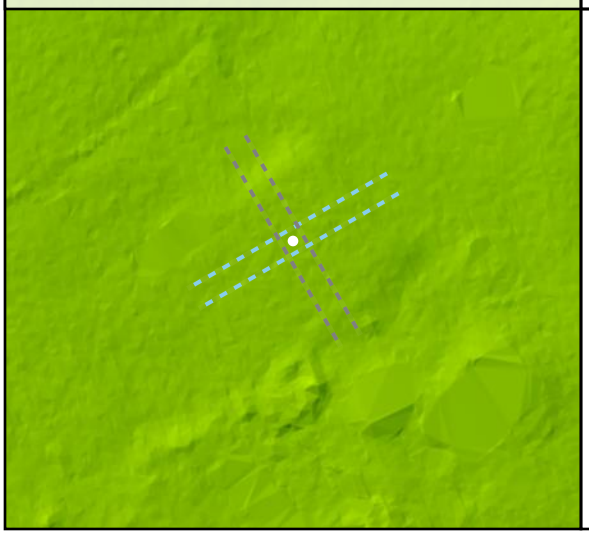
Southwest to Northeast



Intensity Raster



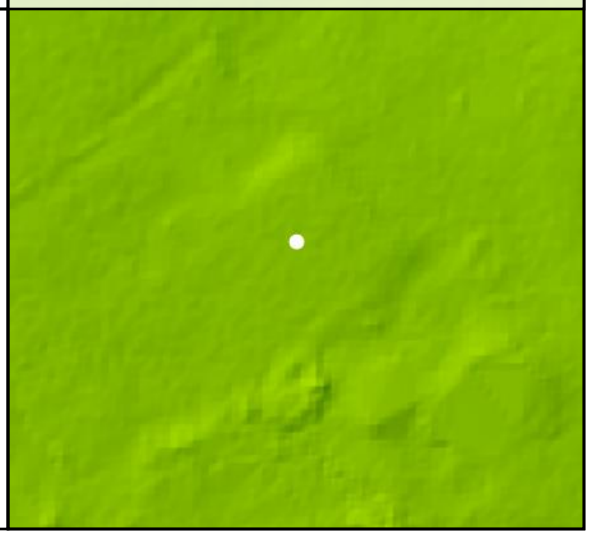
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.04 m

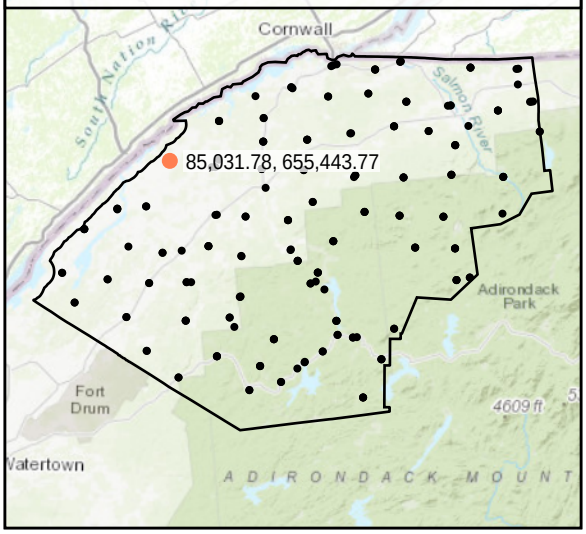
NVA - UA14

Raw TIN Dz +0.03 m

UA15

Known Z	98.24 m	Point Density	5.87 ppsm
DEM Dz	-0.08 m	Ground Density	4.95 ppsm
Raw TIN Dz	-0.06 m	Slope	0.93 °

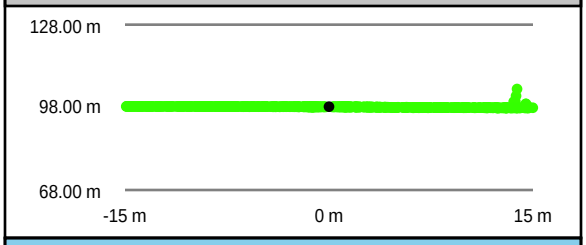
Project Context



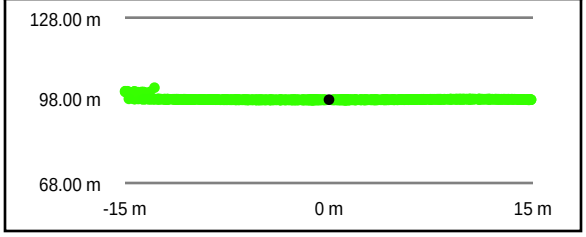
World Imagery



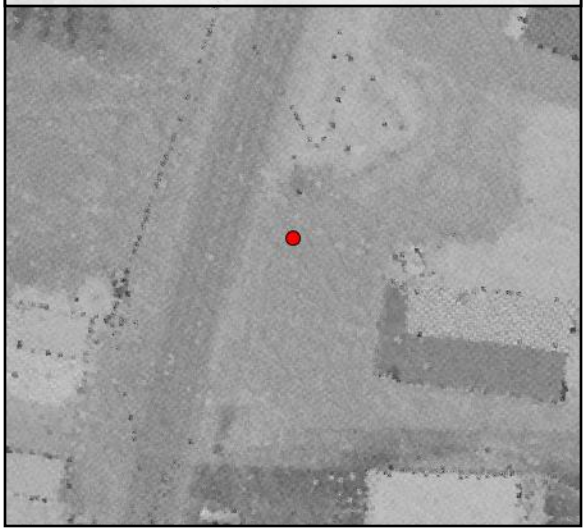
Southwest to Northeast



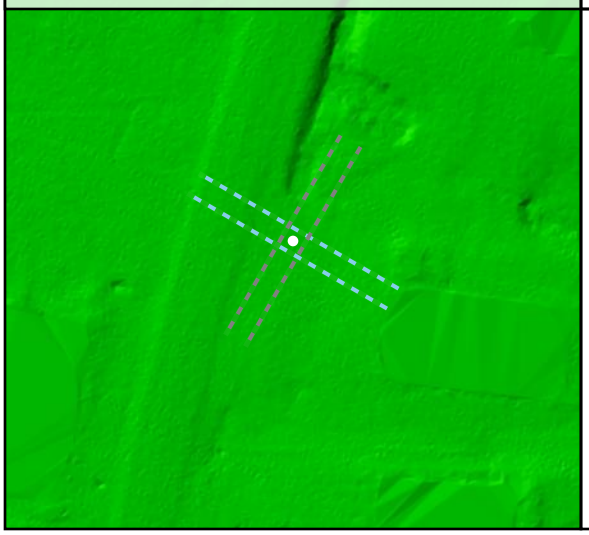
Southeast to Northwest



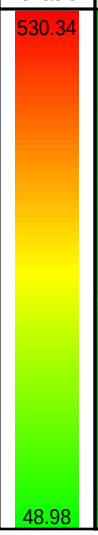
Intensity Raster



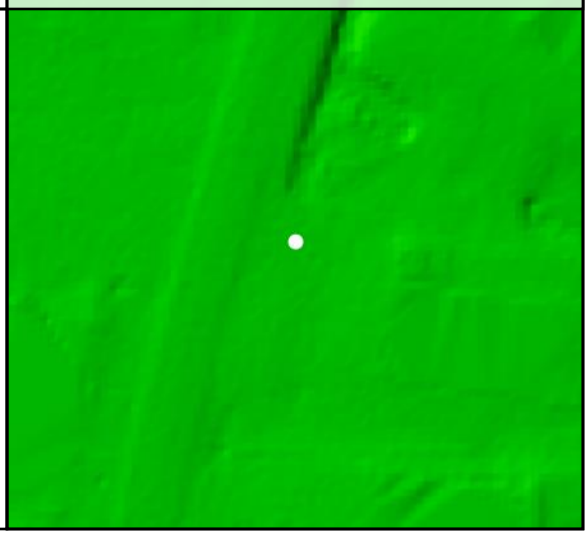
TIN Surface



Project Elevation



DEM Surface



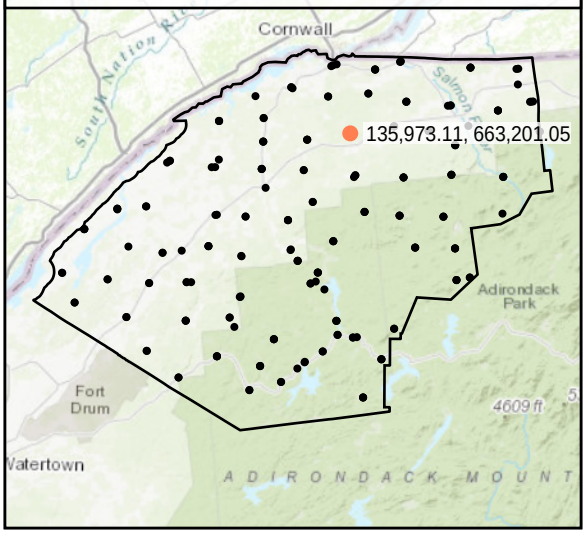
DEM Dz -0.08 m

NVA - UA15

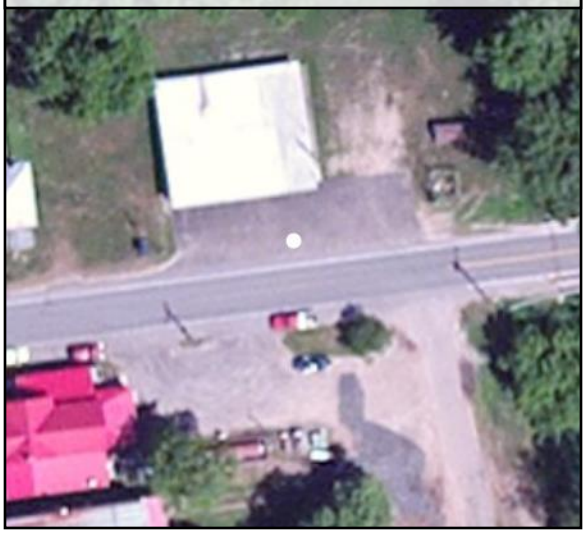
Raw TIN Dz -0.06 m

UA16				
	Known Z	102.20 m	Point Density	2.72 ppsm
	DEM Dz	0.00 m	Ground Density	2.09 ppsm
	Raw TIN Dz	-0.01 m	Slope	2.16 °

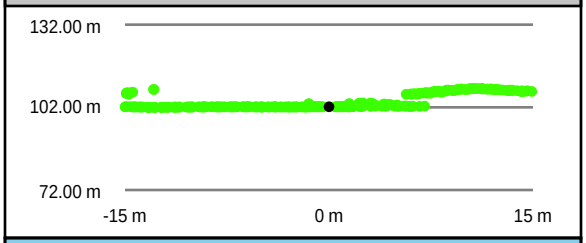
Project Context



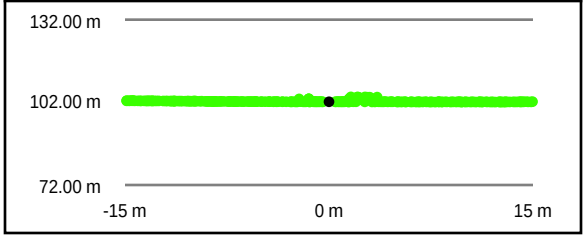
World Imagery



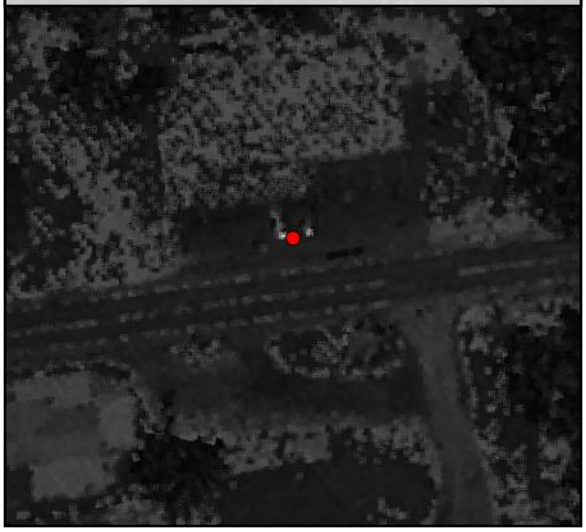
Southeast to Northwest



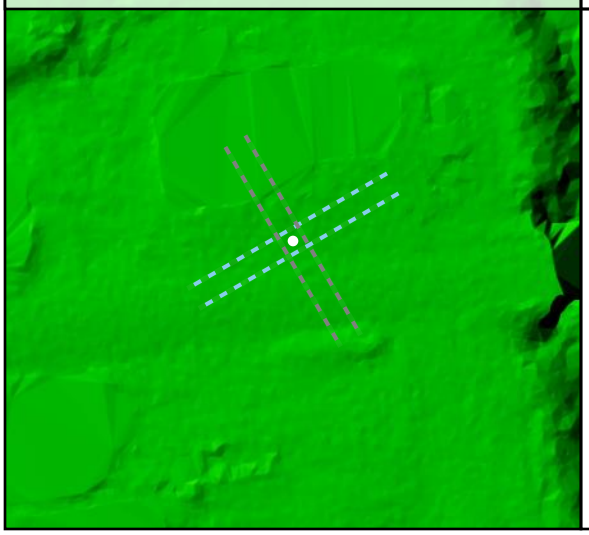
Southwest to Northeast



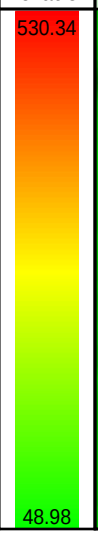
Intensity Raster



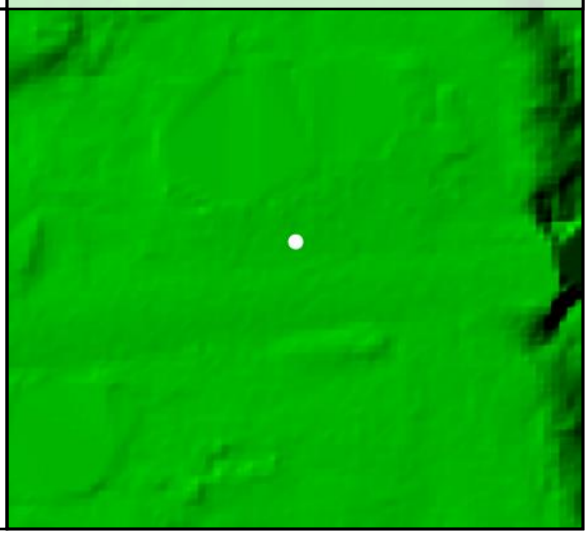
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.00 m

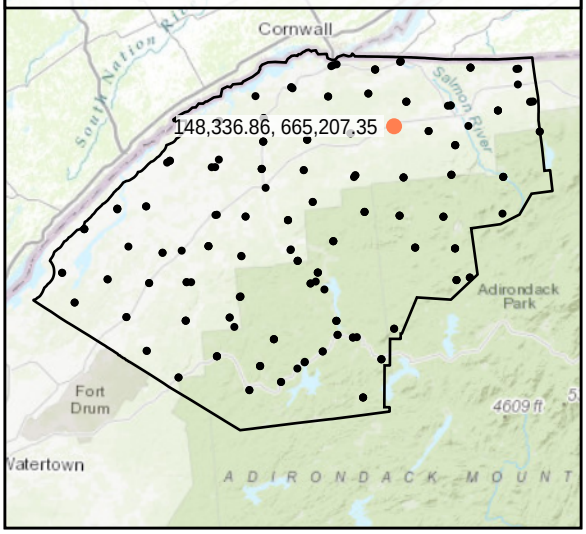
NVA - UA16

Raw TIN Dz -0.01 m

UA17

Known Z	136.98 m	Point Density	2.58 ppsm
DEM Dz	-0.01 m	Ground Density	2.55 ppsm
Raw TIN Dz	-0.02 m	Slope	2.71 °

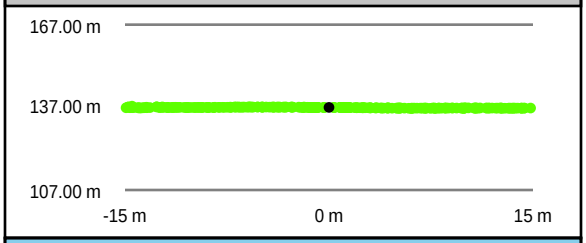
Project Context



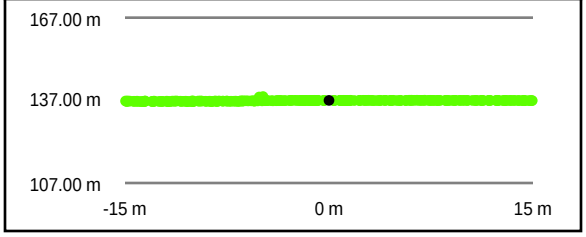
World Imagery



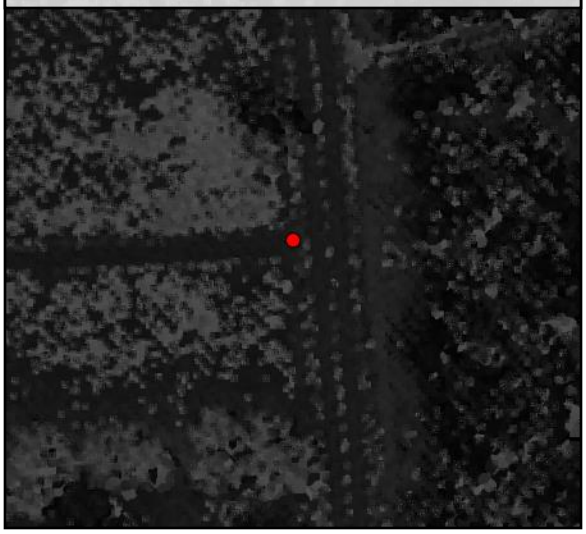
Southeast to Northwest



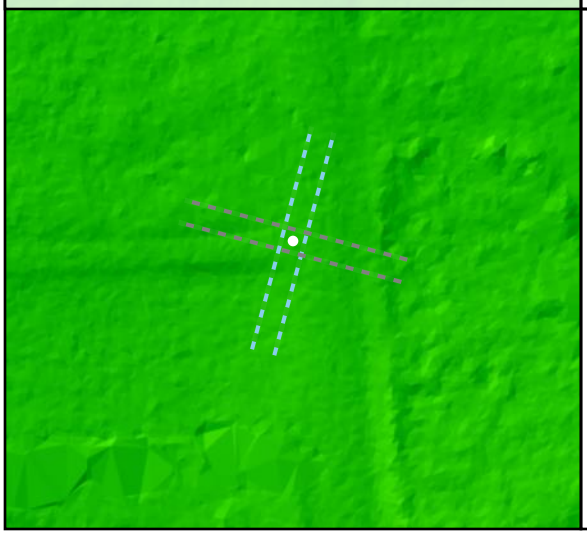
Southwest to Northeast



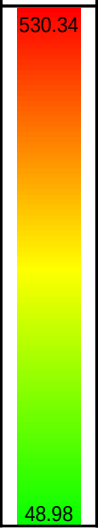
Intensity Raster



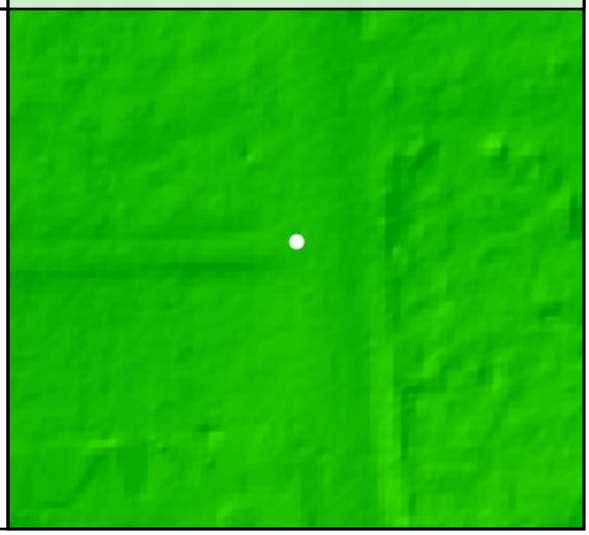
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.01 m

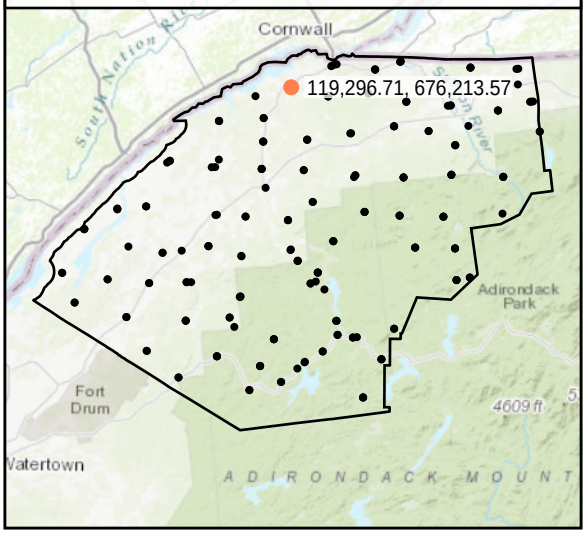
NVA - UA17

Raw TIN Dz -0.02 m

UA18

Known Z	70.68 m	Point Density	3.43 ppsm
DEM Dz	0.03 m	Ground Density	2.90 ppsm
Raw TIN Dz	0.03 m	Slope	0.64 °

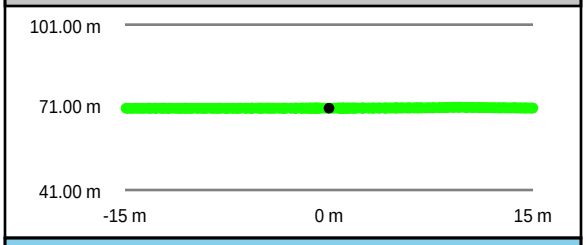
Project Context



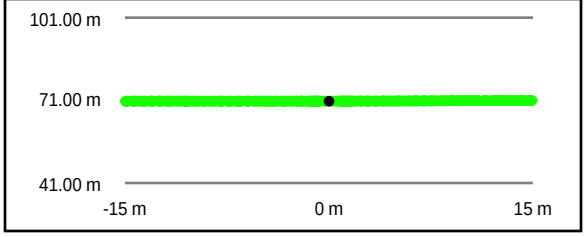
World Imagery



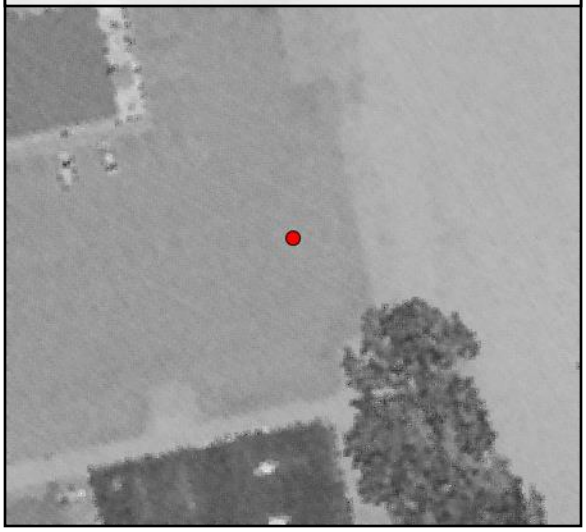
Southwest to Northeast



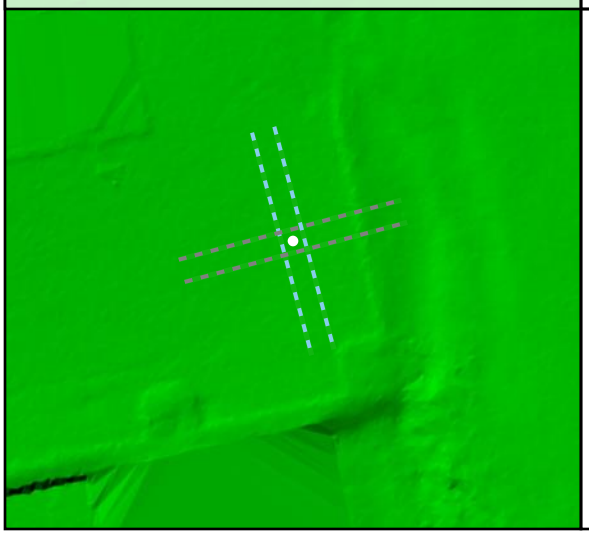
Southeast to Northwest



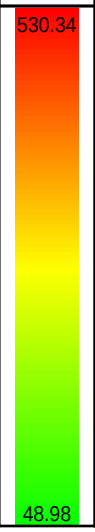
Intensity Raster



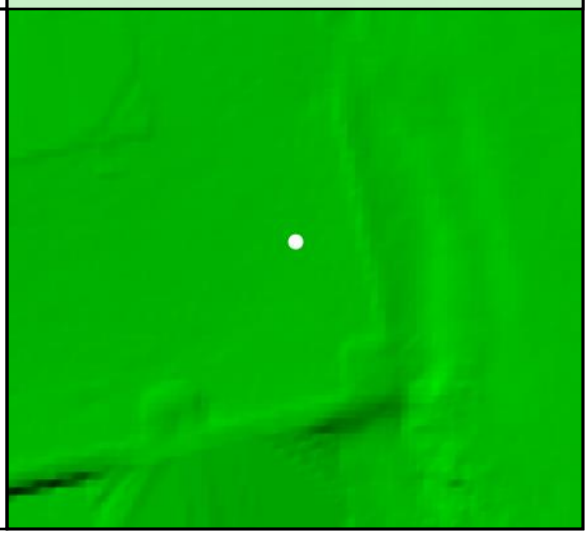
TIN Surface



Project Elevation



DEM Surface



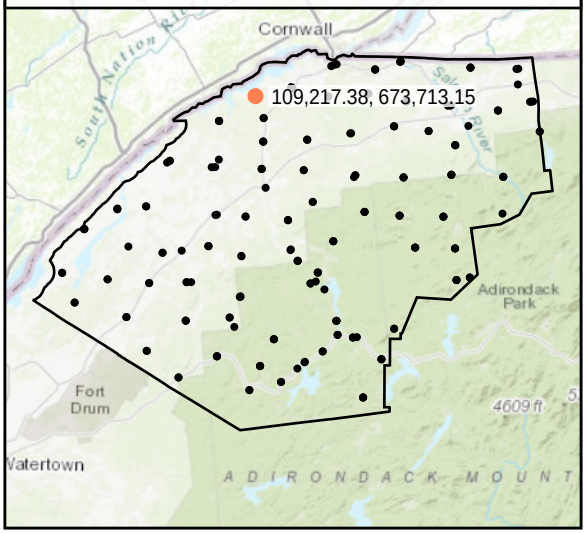
DEM Dz +0.03 m

NVA - UA18

Raw TIN Dz +0.03 m

UA20				
	Known Z	60.05 m	Point Density	5.87 ppsm
	DEM Dz	-0.04 m	Ground Density	5.59 ppsm
	Raw TIN Dz	-0.03 m	Slope	0.48 °

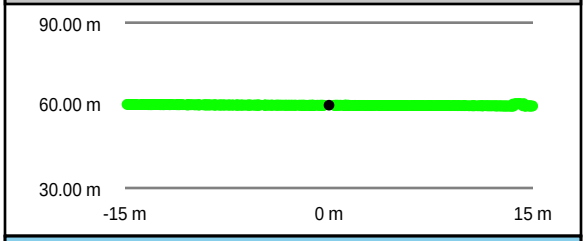
Project Context



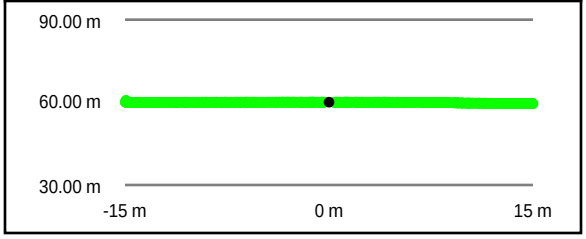
World Imagery



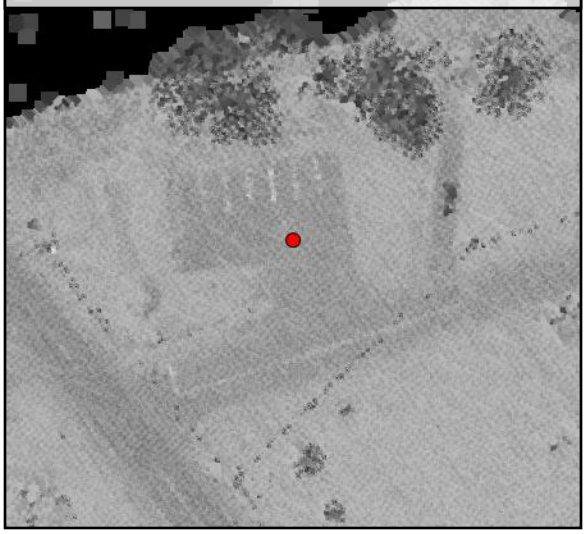
South to North



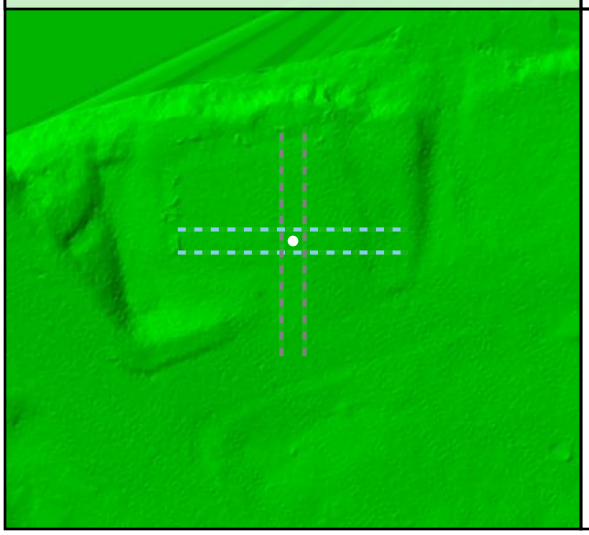
West to East



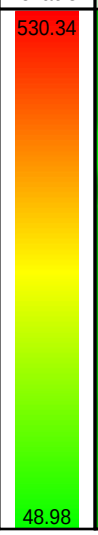
Intensity Raster



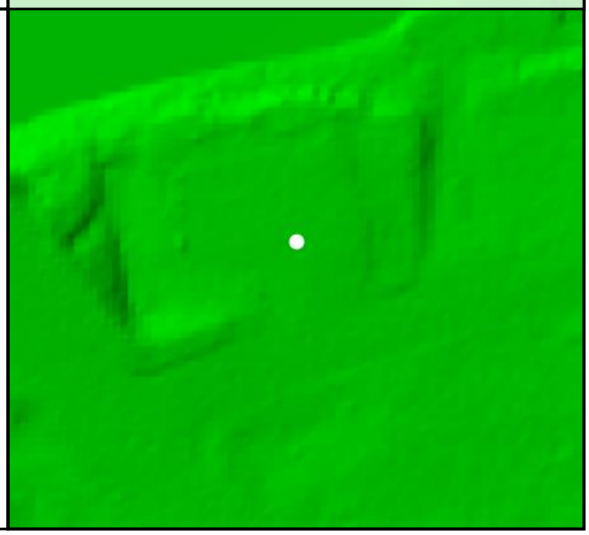
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.04 m

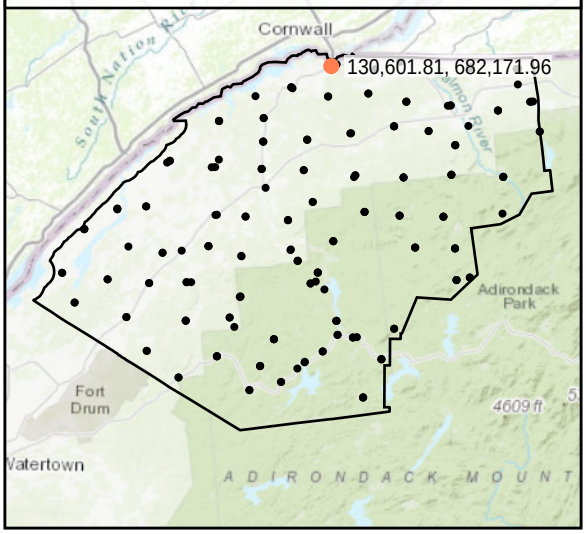
NVA - UA20

Raw TIN Dz -0.03 m

UA21

Known Z	58.18 m	Point Density	2.51 ppsm
DEM Dz	0.02 m	Ground Density	2.44 ppsm
Raw TIN Dz	0.02 m	Slope	2.73 °

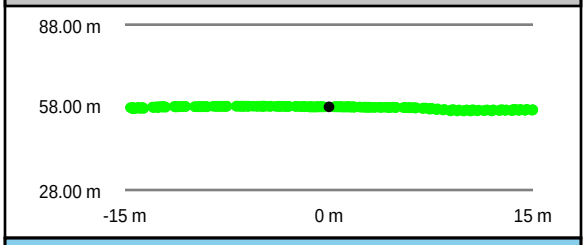
Project Context



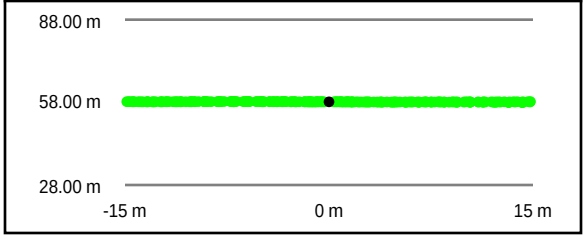
World Imagery



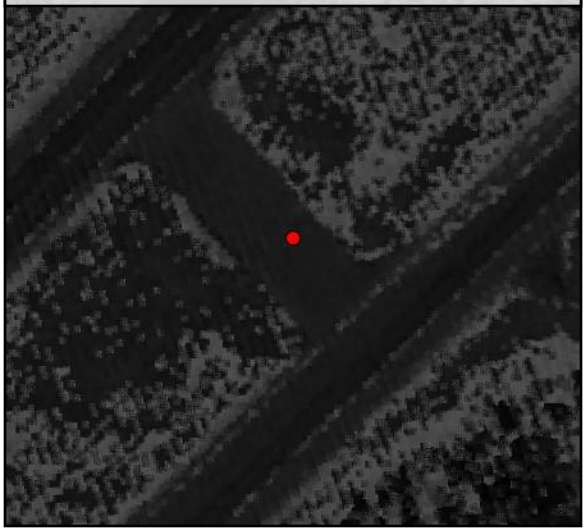
Southwest to Northeast



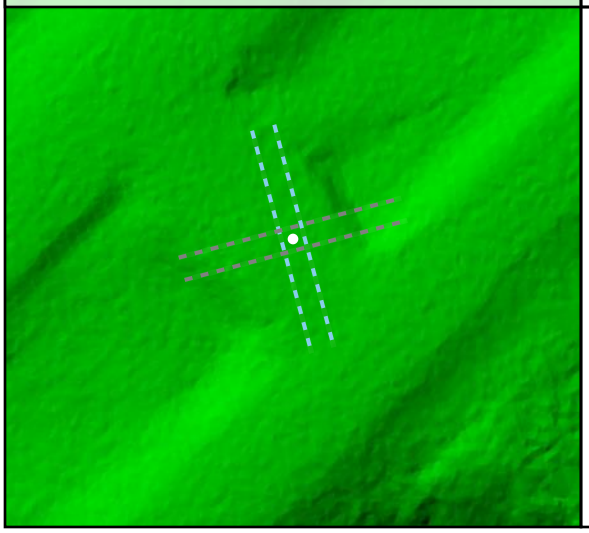
Southeast to Northwest



Intensity Raster



TIN Surface

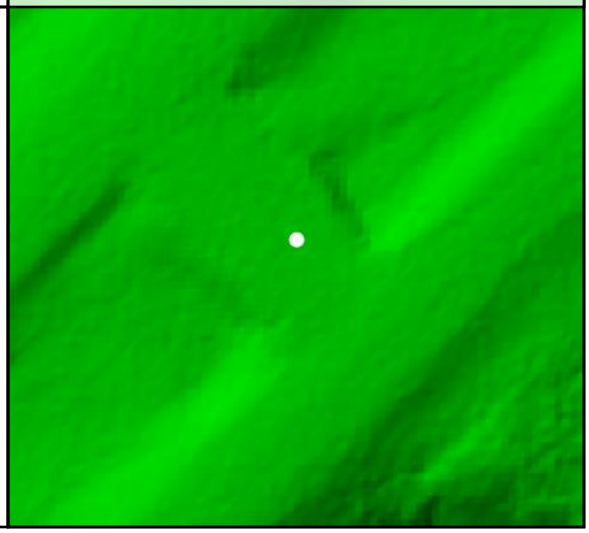


Project Elevation

530.34

48.98

DEM Surface



DEM Dz +0.02 m

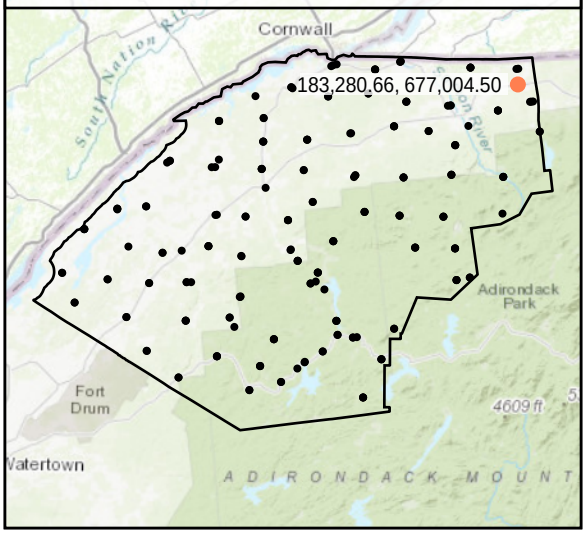
NVA - UA21

Raw TIN Dz +0.02 m

UA22

Known Z	281.78 m	Point Density	2.72 ppsm
DEM Dz	-0.01 m	Ground Density	2.65 ppsm
Raw TIN Dz	0.00 m	Slope	1.19 °

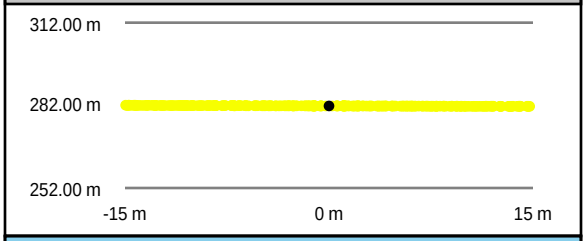
Project Context



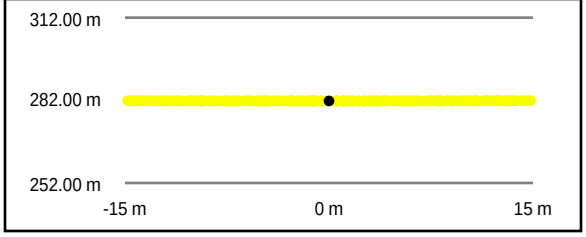
World Imagery



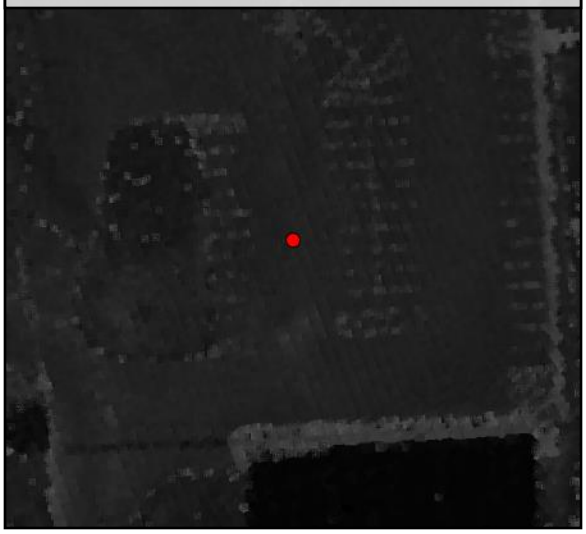
Southwest to Northeast



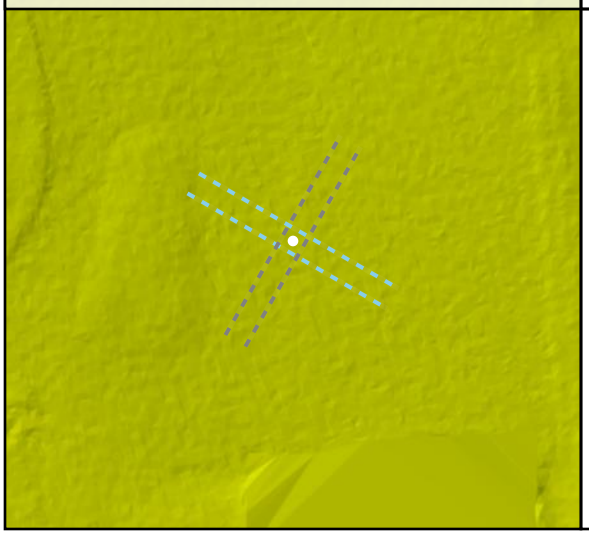
Southeast to Northwest



Intensity Raster



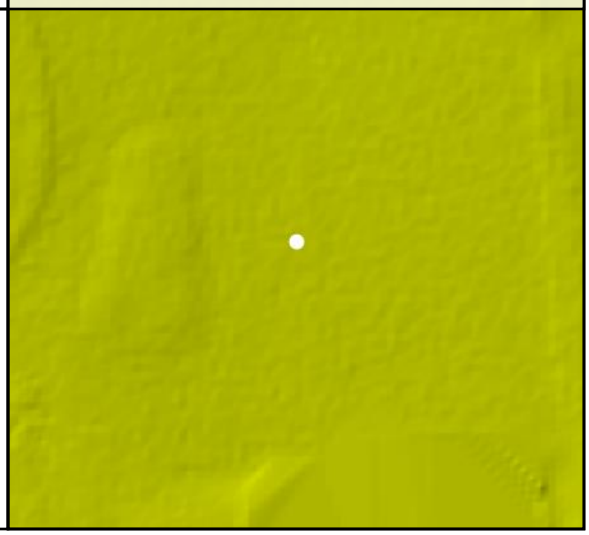
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.01 m

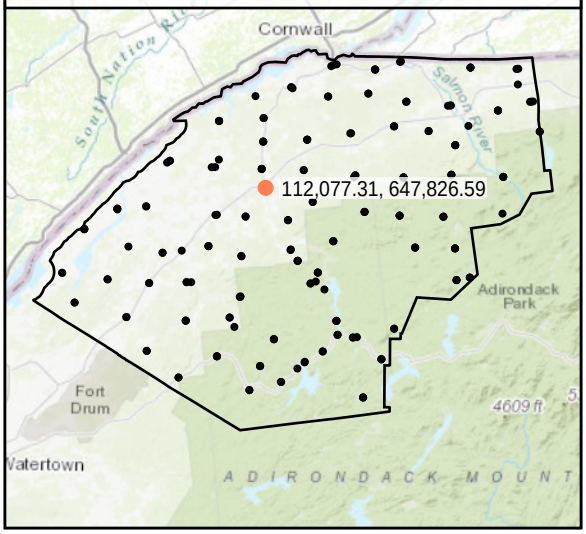
NVA - UA22

Raw TIN Dz 0.00 m

UA23

Known Z	131.47 m	Point Density	3.75 ppsm
DEM Dz	-0.06 m	Ground Density	3.22 ppsm
Raw TIN Dz	-0.06 m	Slope	0.26 °

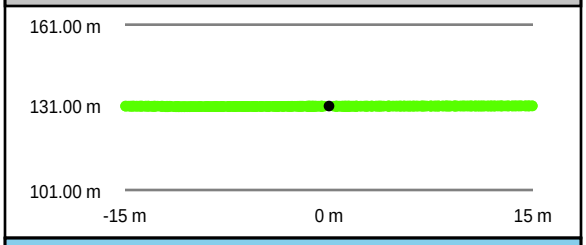
Project Context



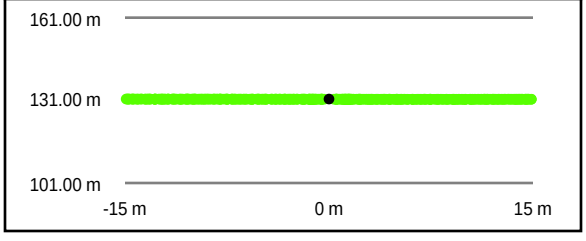
World Imagery



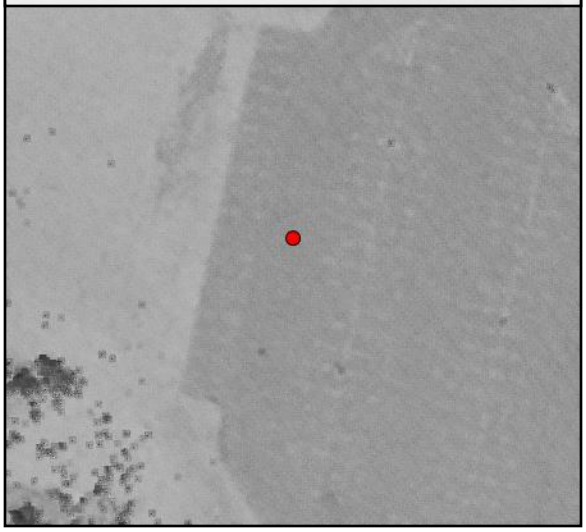
Southwest to Northeast



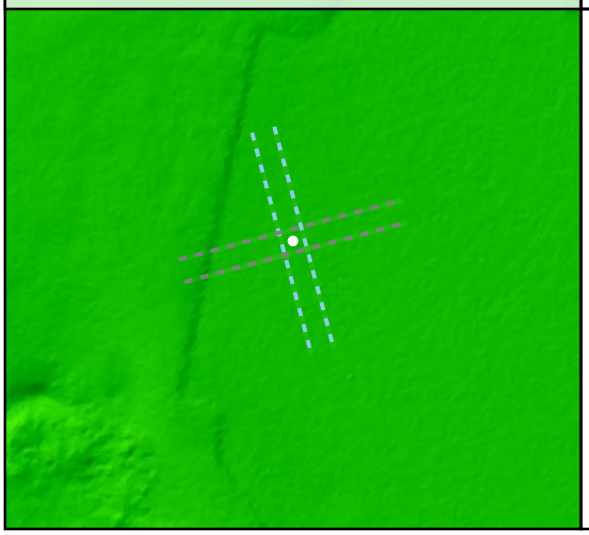
Southeast to Northwest



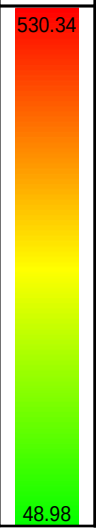
Intensity Raster



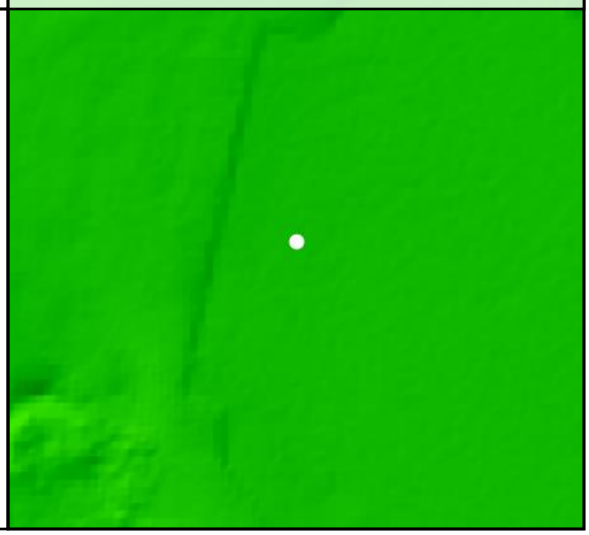
TIN Surface



Project Elevation



DEM Surface



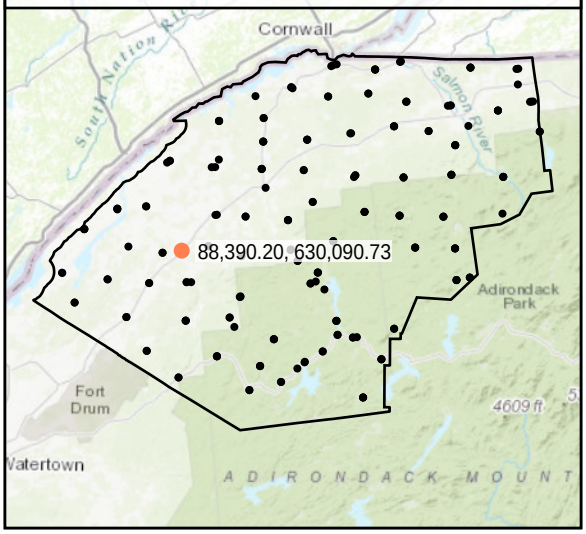
DEM Dz -0.06 m

NVA - UA23

Raw TIN Dz -0.06 m

UA24				
	Known Z	135.47 m	Point Density	5.59 ppsm
	DEM Dz	-0.03 m	Ground Density	4.88 ppsm
	Raw TIN Dz	-0.02 m	Slope	0.30 °

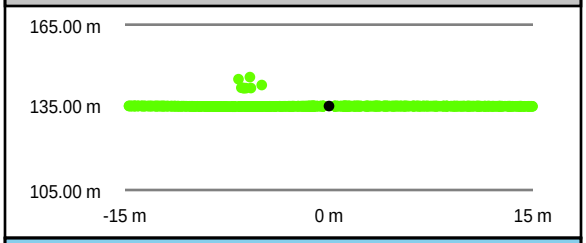
Project Context



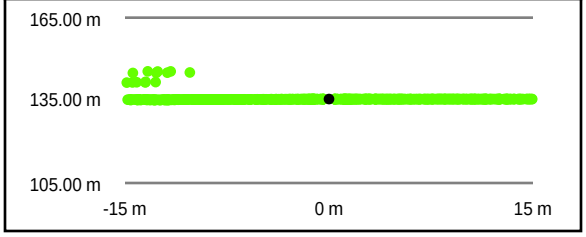
World Imagery



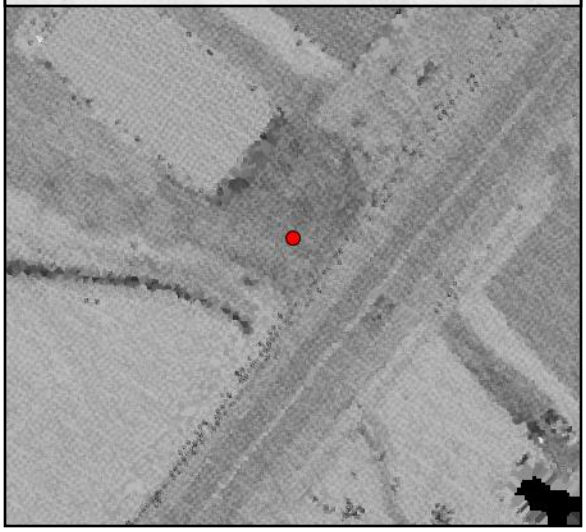
Southeast to Northwest



Southwest to Northeast



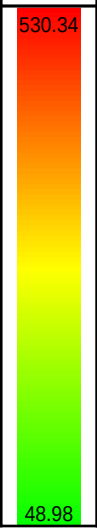
Intensity Raster



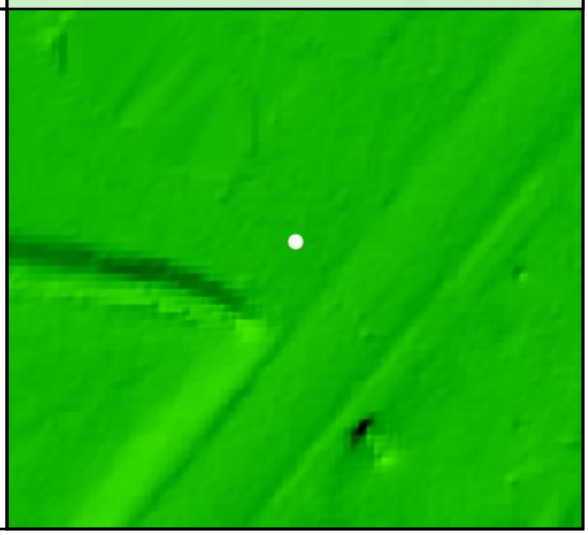
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.03 m

NVA - UA24

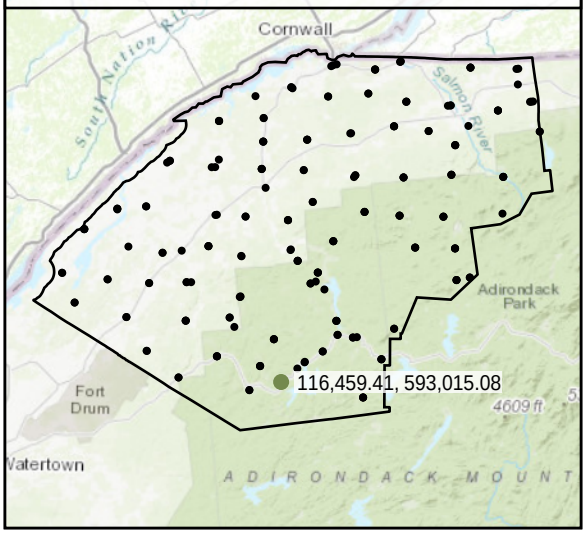
Raw TIN Dz -0.02 m

FO17				
	Known Z	446.39 m	Point Density	4.67 ppsm
	DEM Dz	0.11 m	Ground Density	1.84 ppsm
	Raw TIN Dz	N/A	Slope	3.53 °

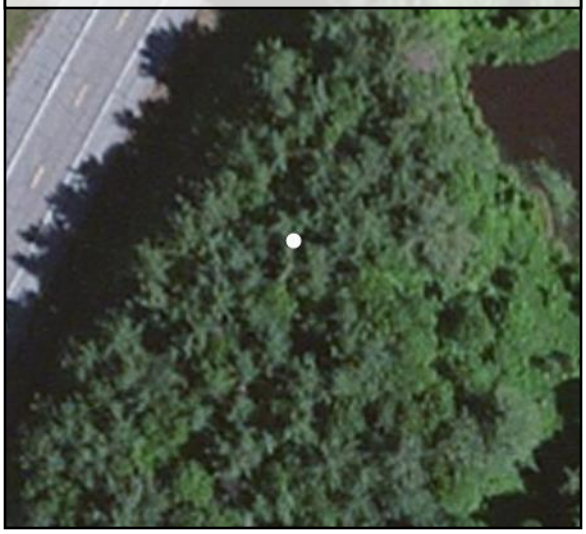
DEM Dz +0.11 m

VVA - FO17

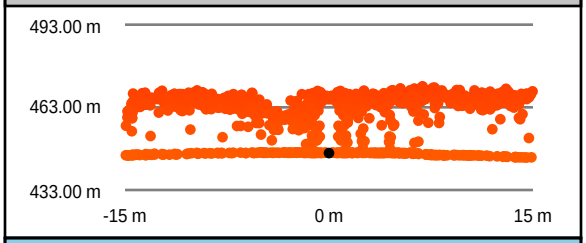
Project Context



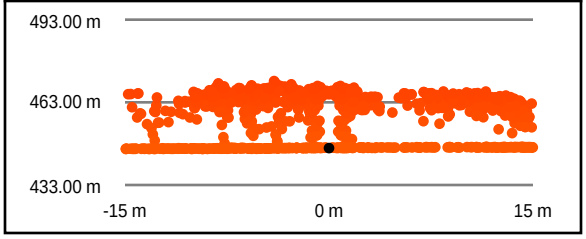
World Imagery



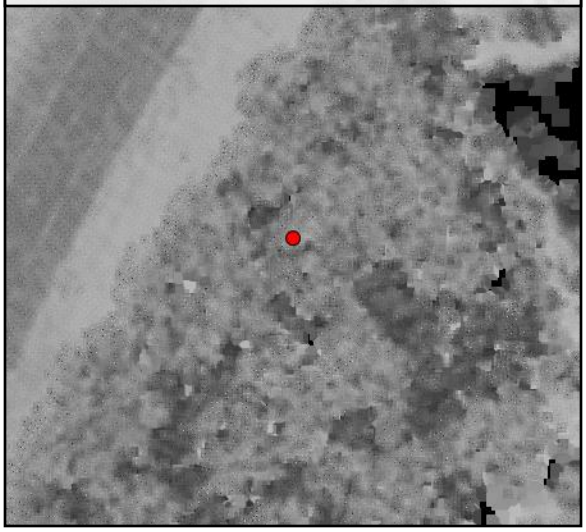
Southwest to Northeast



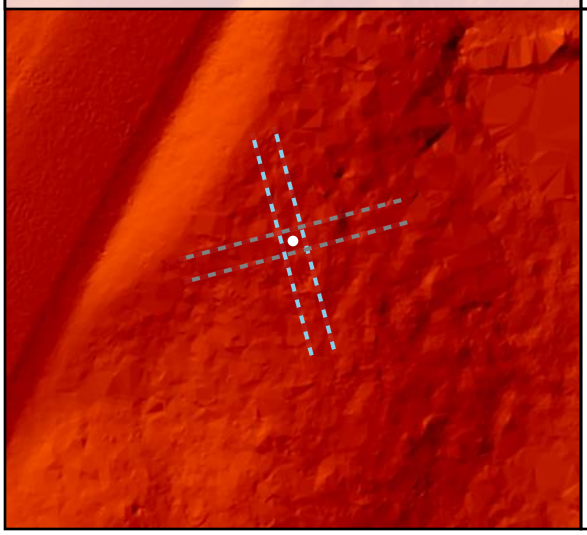
Southeast to Northwest



Intensity Raster



TIN Surface

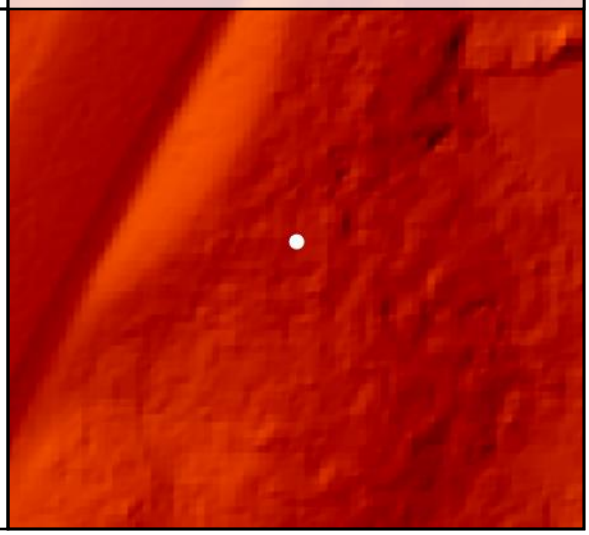


Project Elevation

530.34

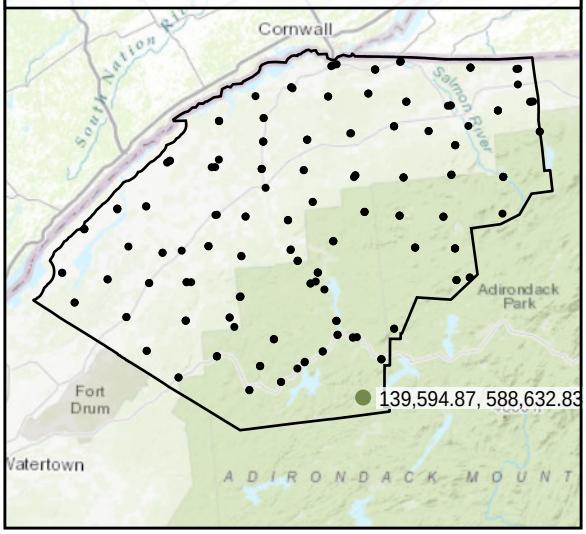
48.98

DEM Surface



FO18				
	Known Z	528.61 m	Point Density	1.77 ppsm
	DEM Dz	0.17 m	Ground Density	0.53 ppsm
	Raw TIN Dz	N/A	Slope	0.52 °

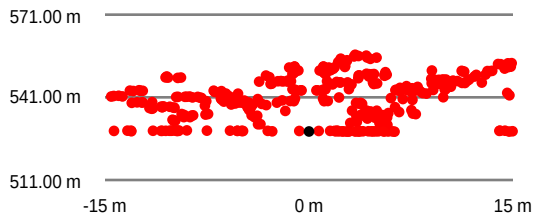
Project Context



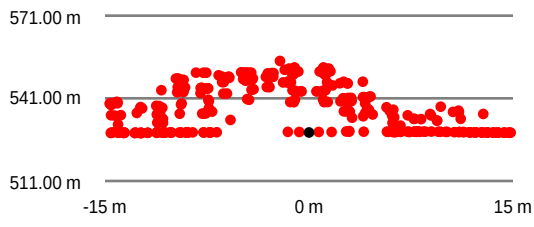
World Imagery



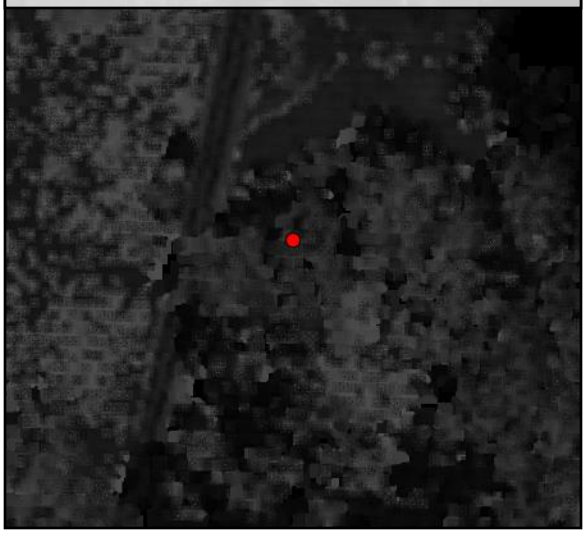
West to East



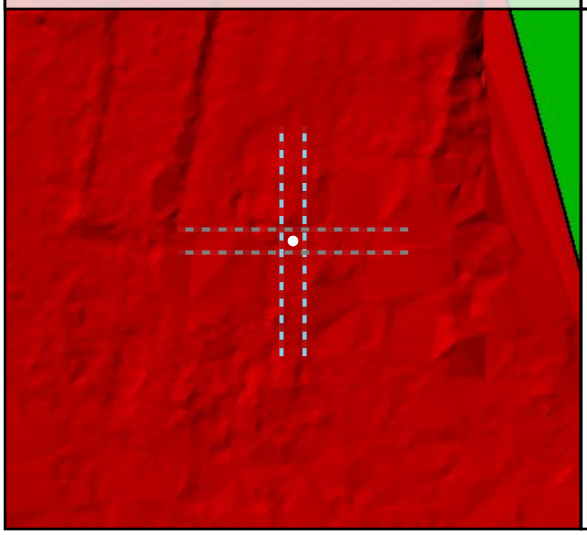
South to North



Intensity Raster



TIN Surface

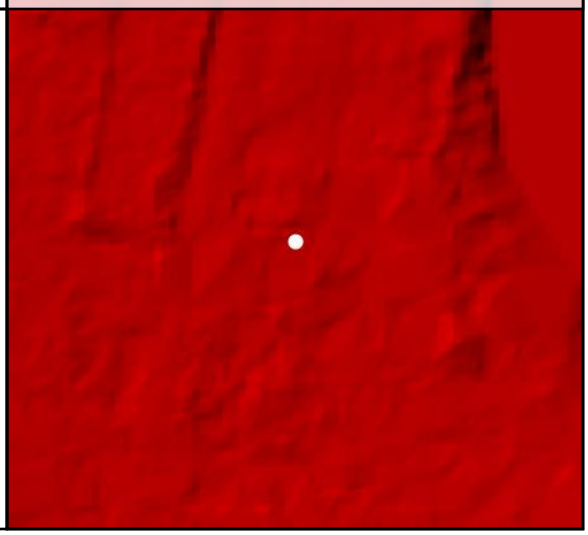


Project Elevation

530.34

48.98

DEM Surface

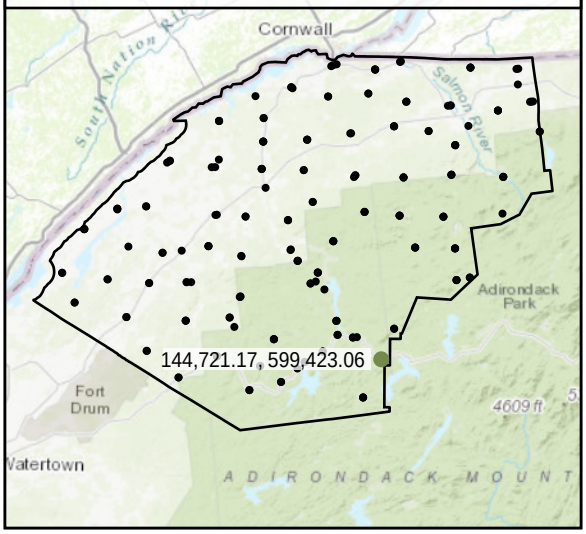


DEM Dz +0.17 m

VVA - FO18

FO19				
	Known Z	479.88 m	Point Density	2.44 ppsm
	DEM Dz	0.11 m	Ground Density	2.09 ppsm
	Raw TIN Dz	N/A	Slope	1.36 °

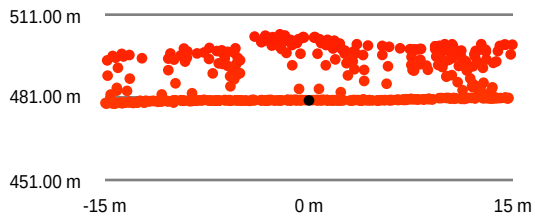
Project Context



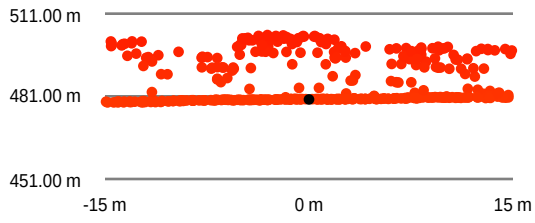
World Imagery



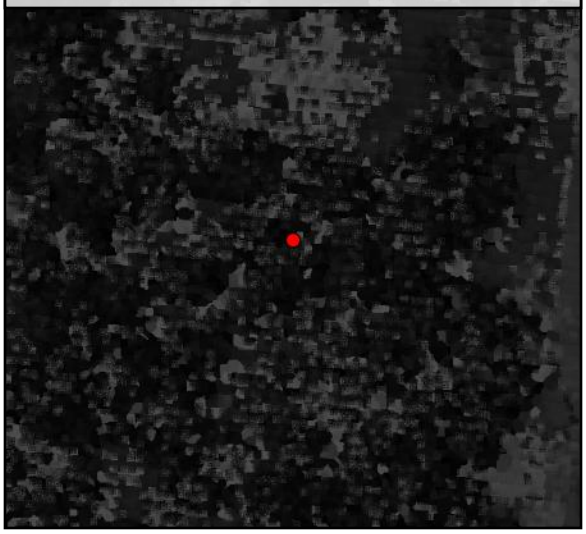
Southeast to Northwest



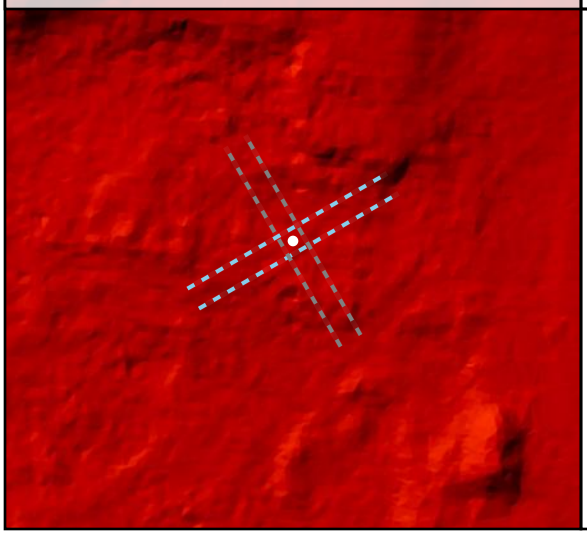
Southwest to Northeast



Intensity Raster



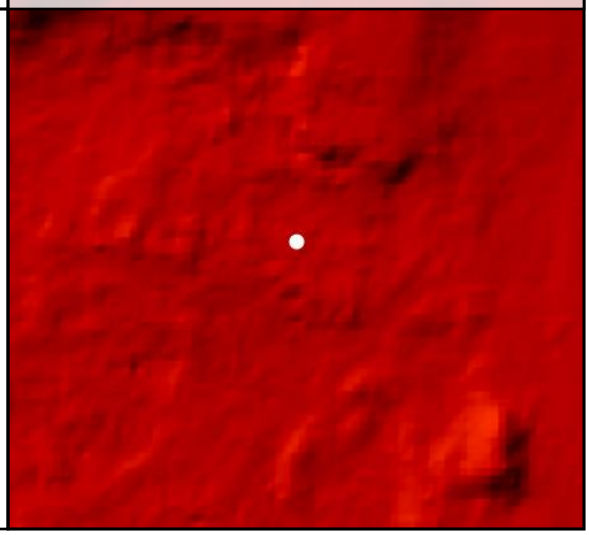
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.11 m

VVA - FO19

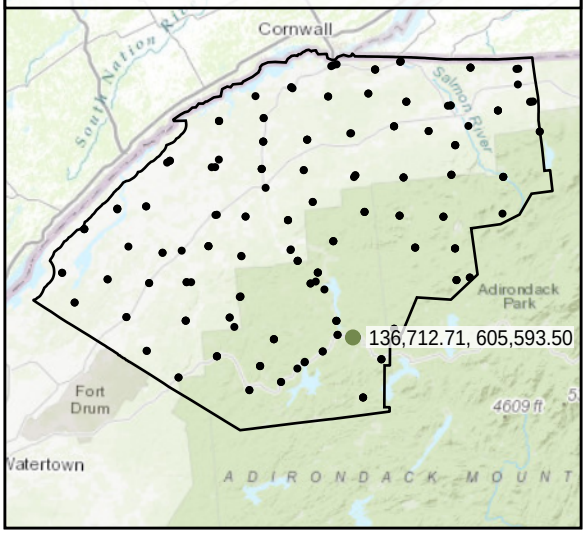
FO20

Known Z	479.63 m	Point Density	2.86 ppsm
DEM Dz	0.13 m	Ground Density	1.45 ppsm
Raw TIN Dz	N/A	Slope	8.07 °

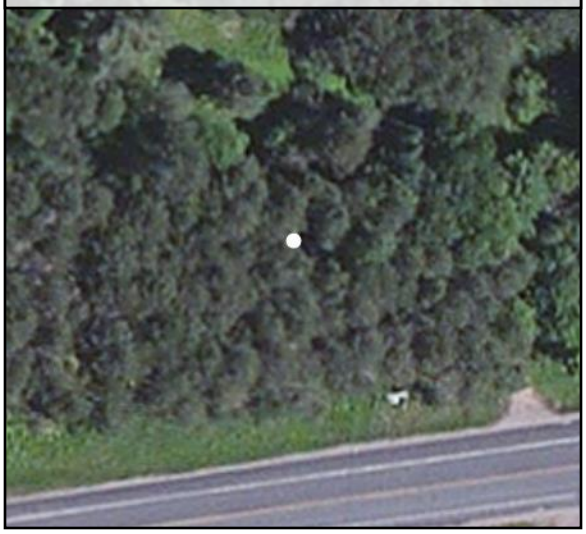
DEM Dz +0.13 m

VVA - FO20

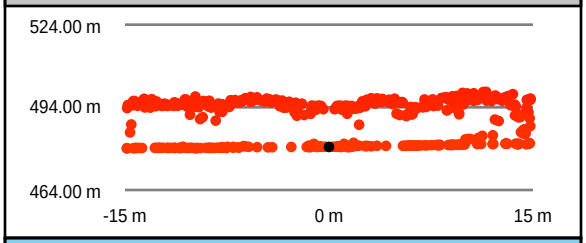
Project Context



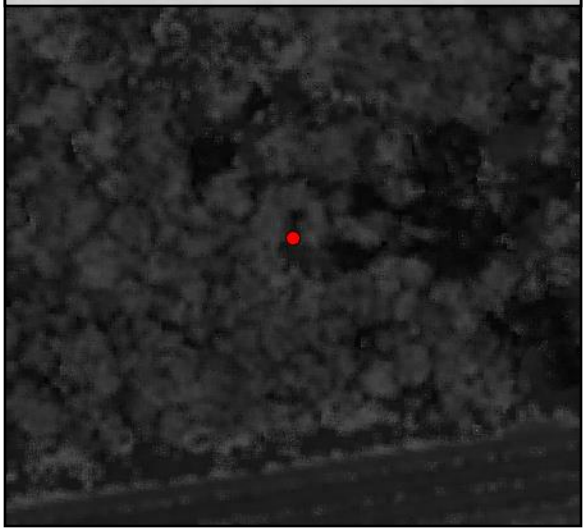
World Imagery



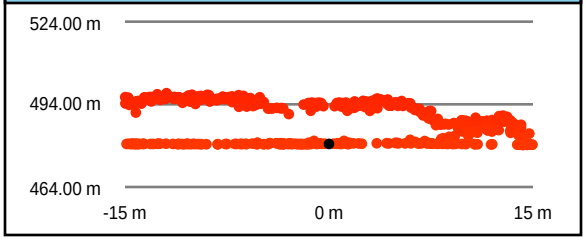
Southwest to Northeast



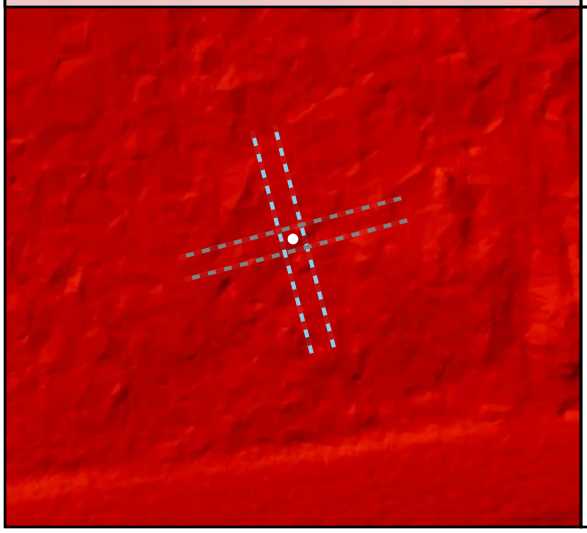
Intensity Raster



Southeast to Northwest



TIN Surface

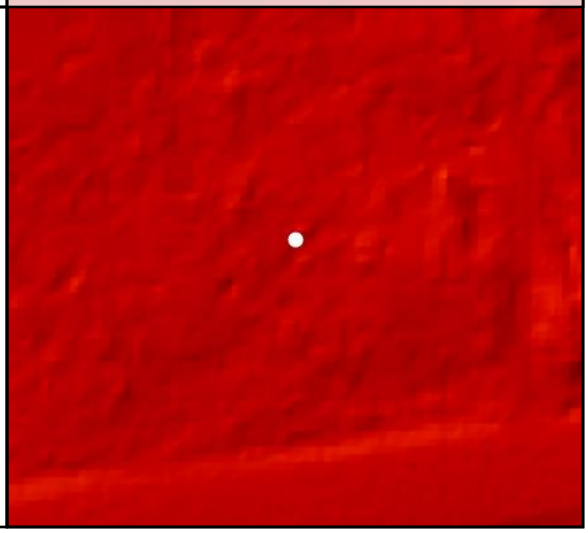


Project Elevation

530.34

48.98

DEM Surface

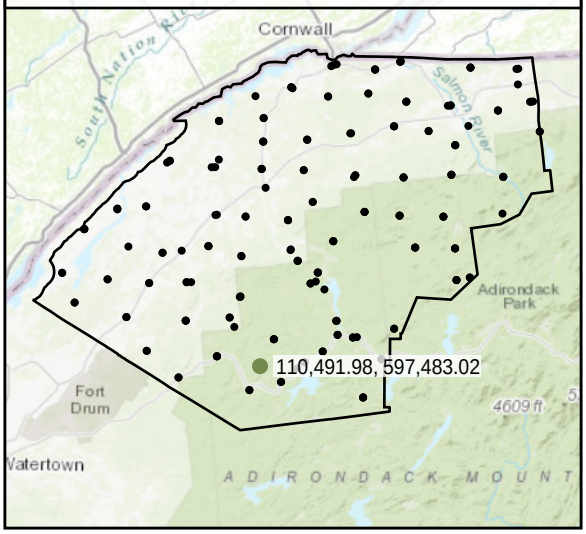


FO21				
	Known Z	422.78 m	Point Density	3.68 ppsm
	DEM Dz	0.18 m	Ground Density	3.11 ppsm
	Raw TIN Dz	N/A	Slope	4.01 °

DEM Dz +0.18 m

VVA - FO21

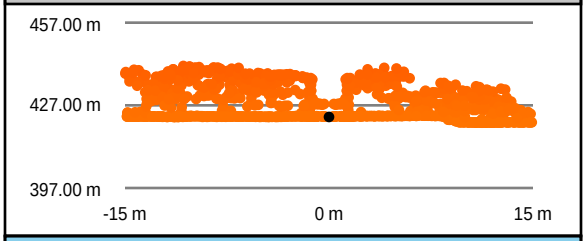
Project Context



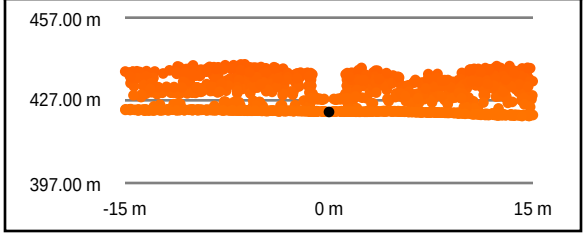
World Imagery



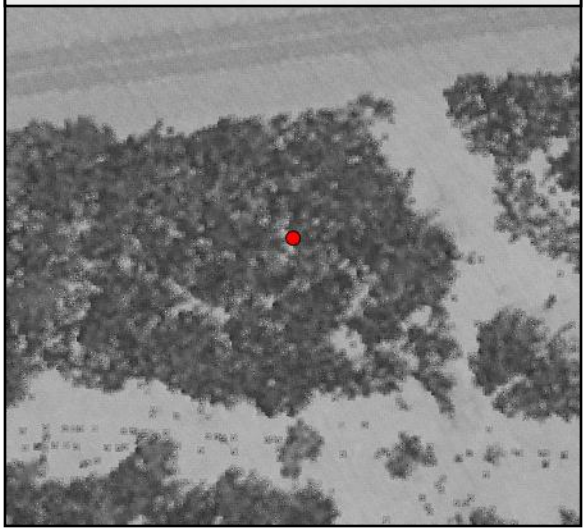
South to North



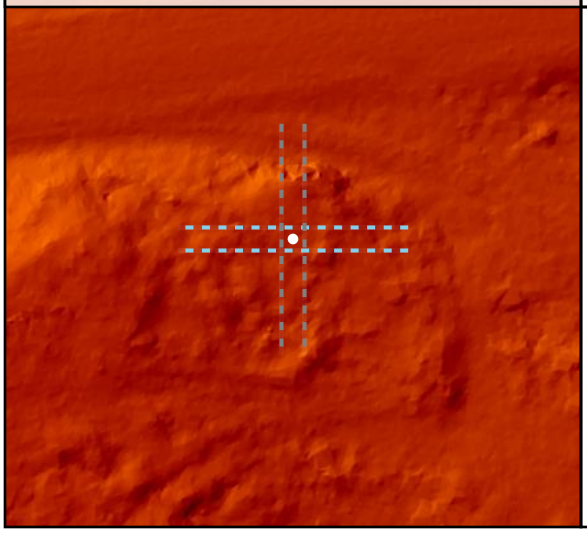
West to East



Intensity Raster



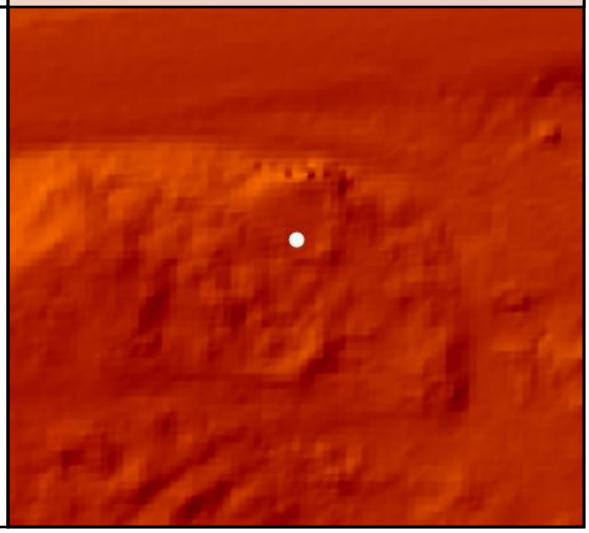
TIN Surface



Project Elevation



DEM Surface

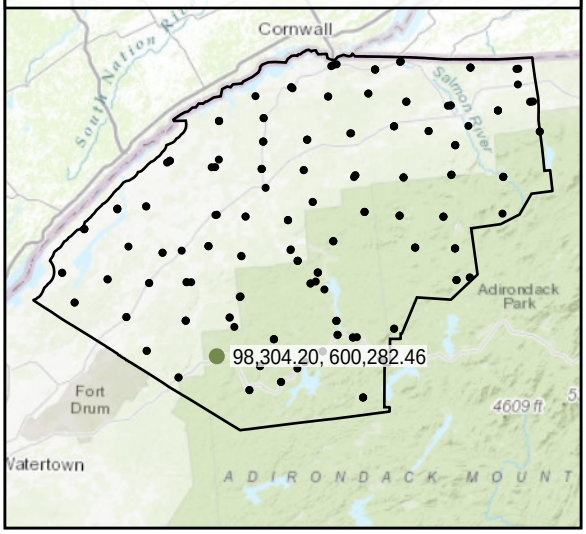


FO22				
	Known Z	304.77 m	Point Density	3.18 ppsm
	DEM Dz	0.09 m	Ground Density	1.56 ppsm
	Raw TIN Dz	N/A	Slope	1.47 °

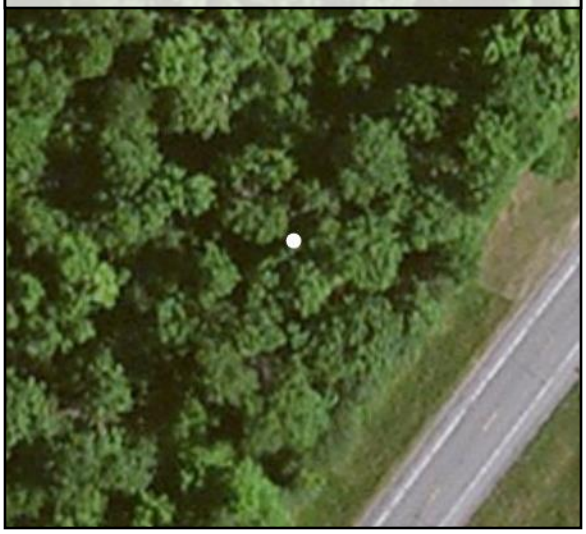
DEM Dz +0.09 m

VVA - FO22

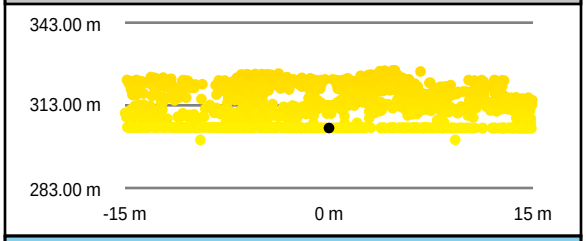
Project Context



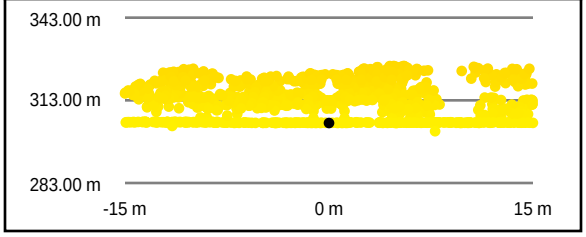
World Imagery



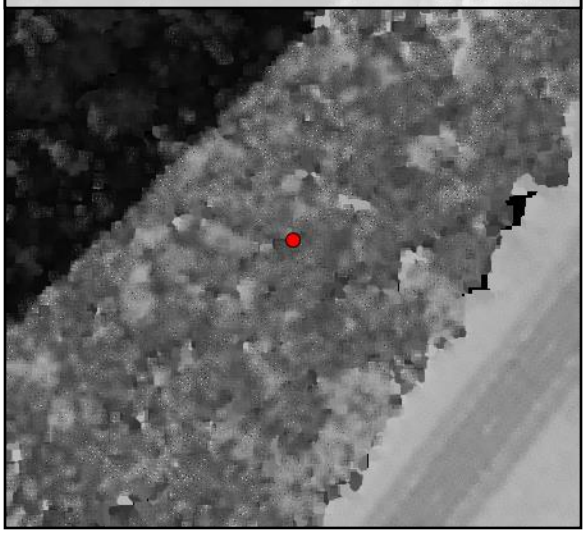
Southeast to Northwest



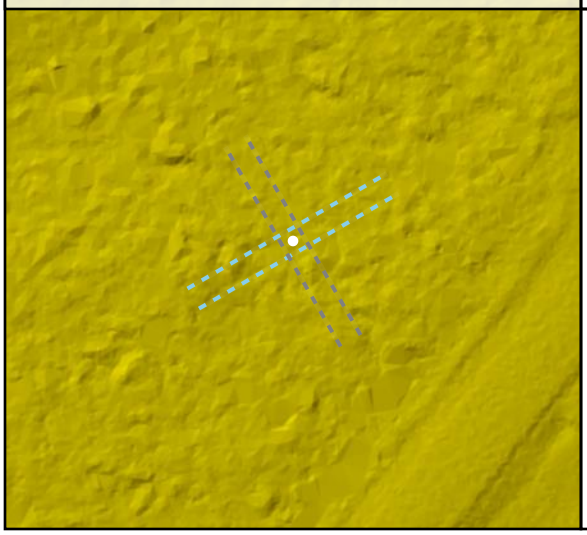
Southwest to Northeast



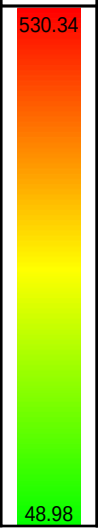
Intensity Raster



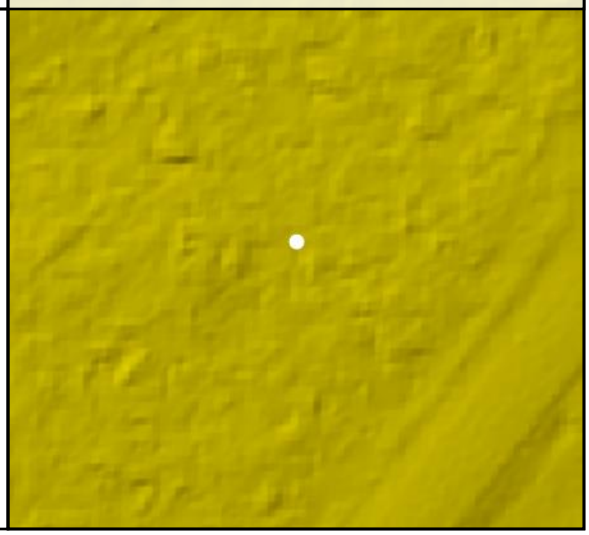
TIN Surface



Project Elevation



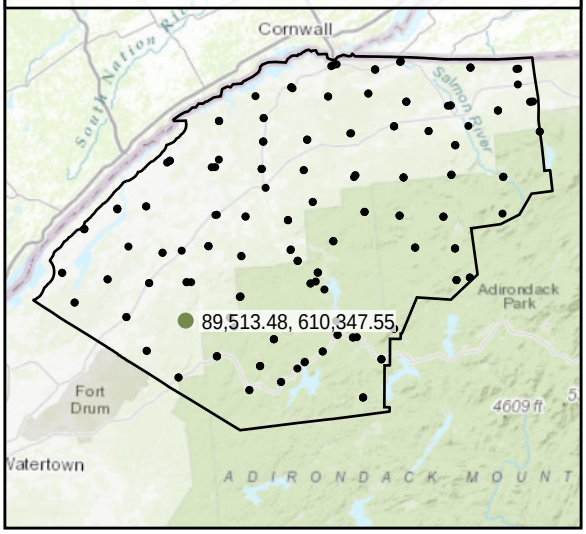
DEM Surface



FO24

Known Z	199.88 m	Point Density	4.31 ppsm
DEM Dz	0.05 m	Ground Density	1.70 ppsm
Raw TIN Dz	N/A	Slope	0.64 °

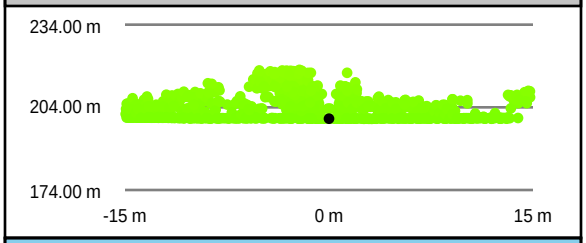
Project Context



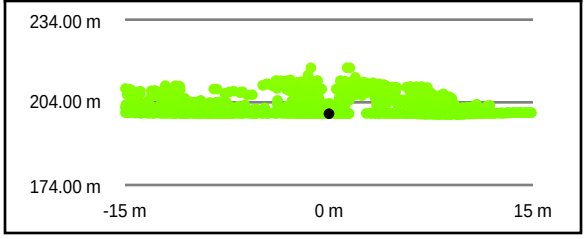
World Imagery



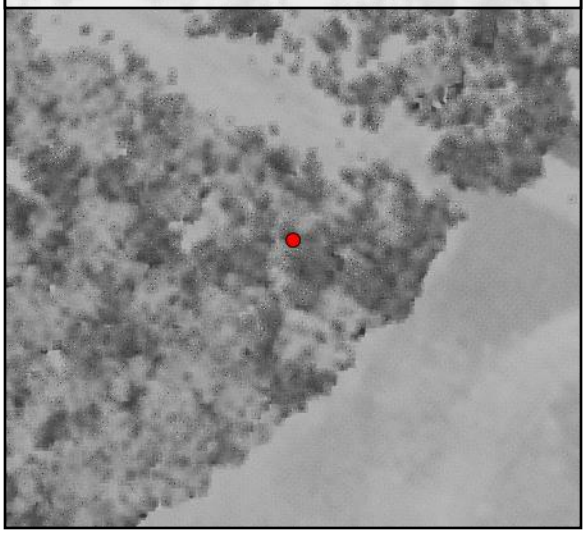
Southeast to Northwest



Southwest to Northeast



Intensity Raster



TIN Surface

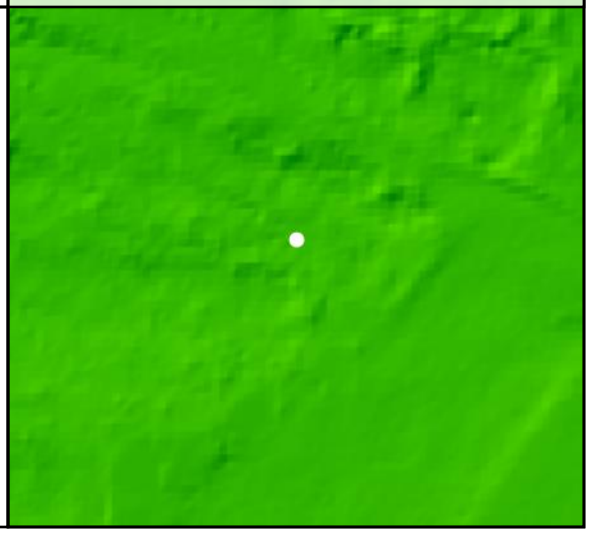


Project Elevation

530.15

94.05

DEM Surface



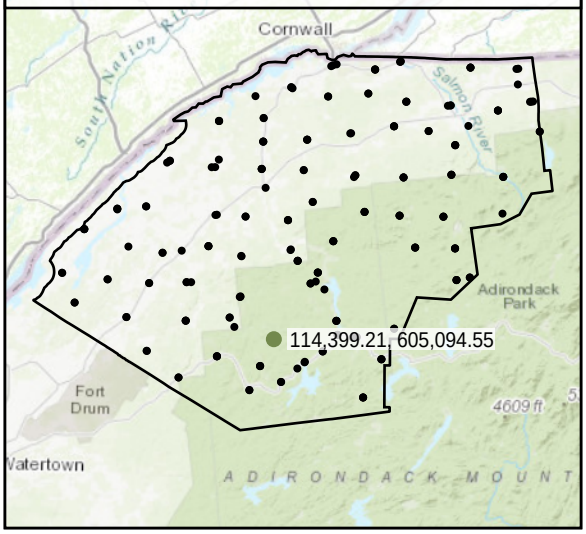
DEM Dz +0.05 m

VVA - FO24

FO25

Known Z	429.38 m	Point Density	2.65 ppsm
DEM Dz	0.12 m	Ground Density	3.40 ppsm
Raw TIN Dz	N/A	Slope	2.75 °

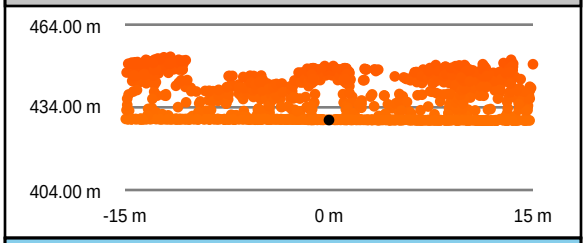
Project Context



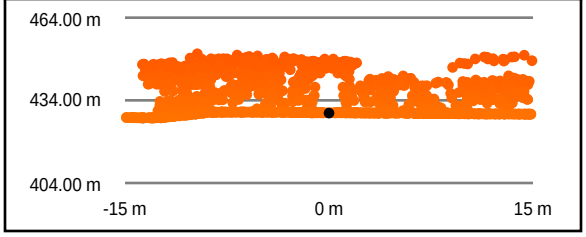
World Imagery



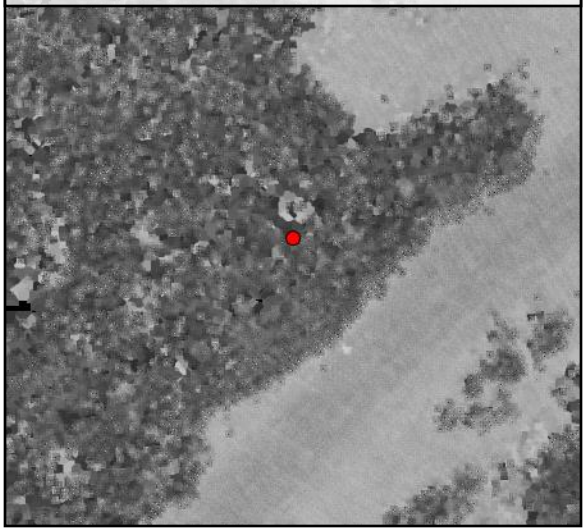
Southwest to Northeast



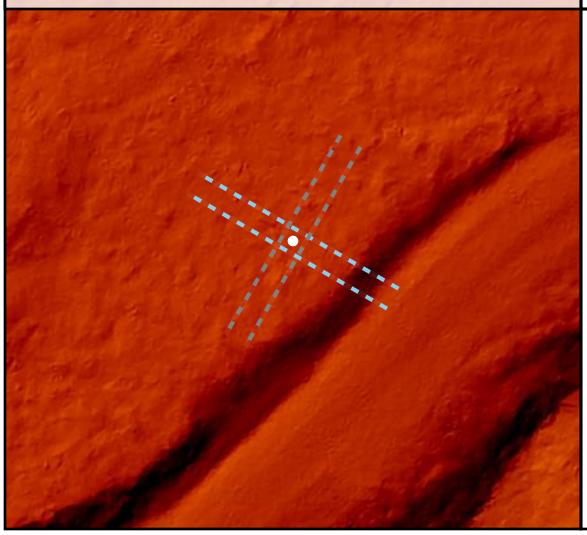
Southeast to Northwest



Intensity Raster



TIN Surface

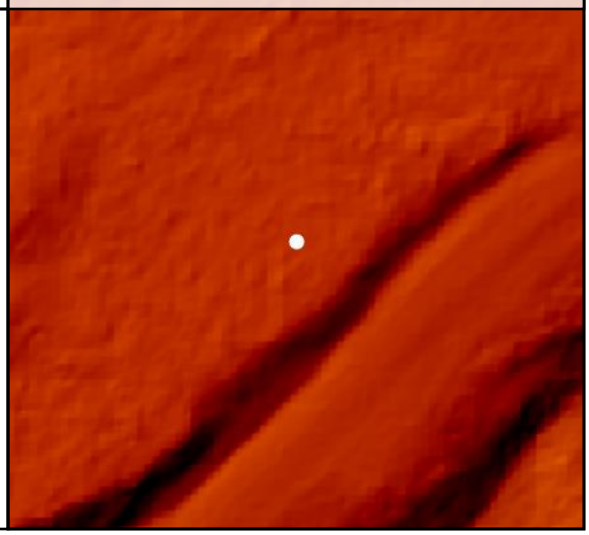


Project Elevation

530.15

71.92

DEM Surface

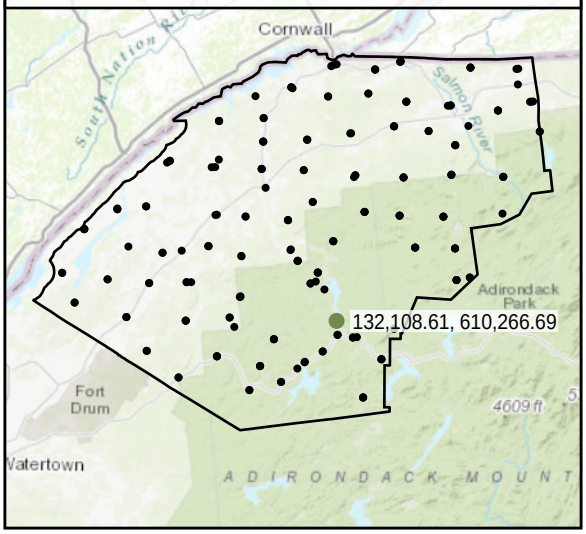


DEM Dz +0.12 m

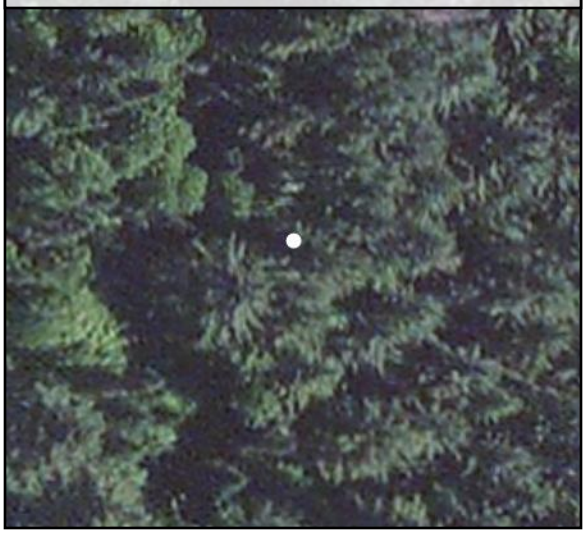
VVA - FO25

FO26				
	Known Z	436.88 m	Point Density	3.61 ppsm
	DEM Dz	0.16 m	Ground Density	1.49 ppsm
	Raw TIN Dz	N/A	Slope	10.12 °

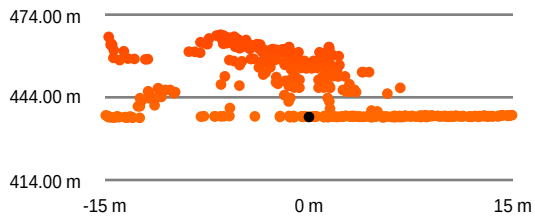
Project Context



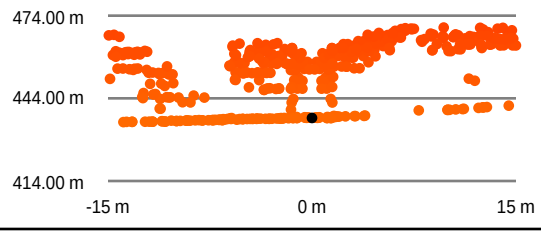
World Imagery



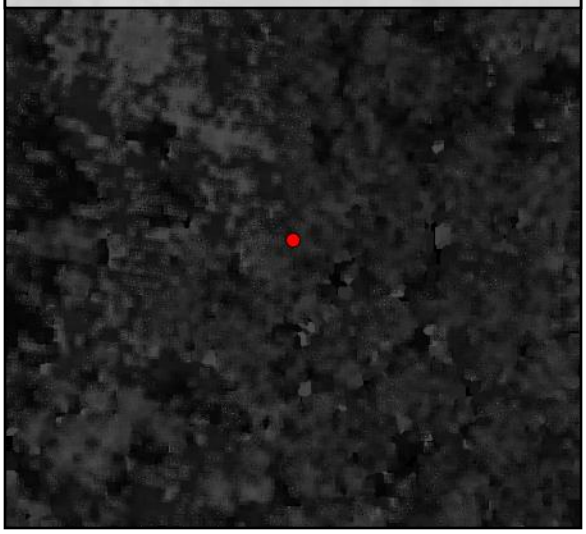
Southeast to Northwest



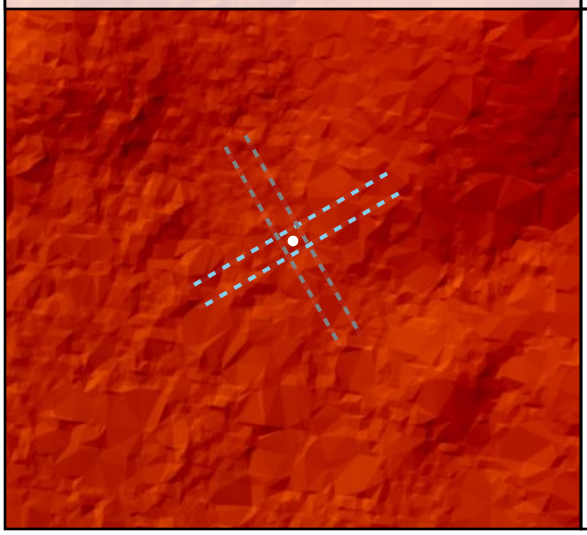
Southwest to Northeast



Intensity Raster



TIN Surface

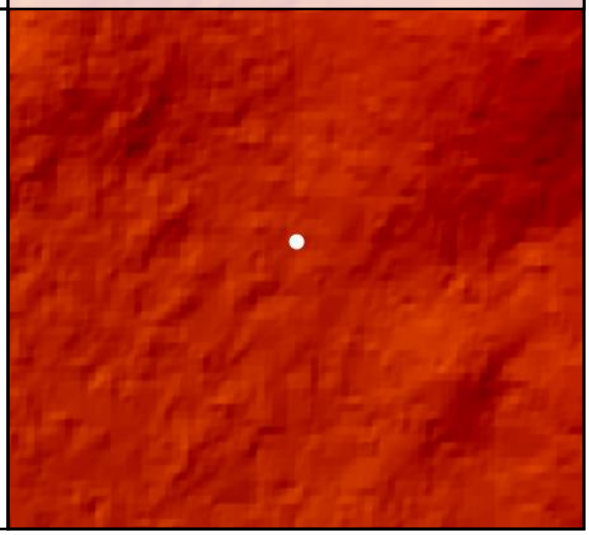


Project Elevation

530.15

71.92

DEM Surface

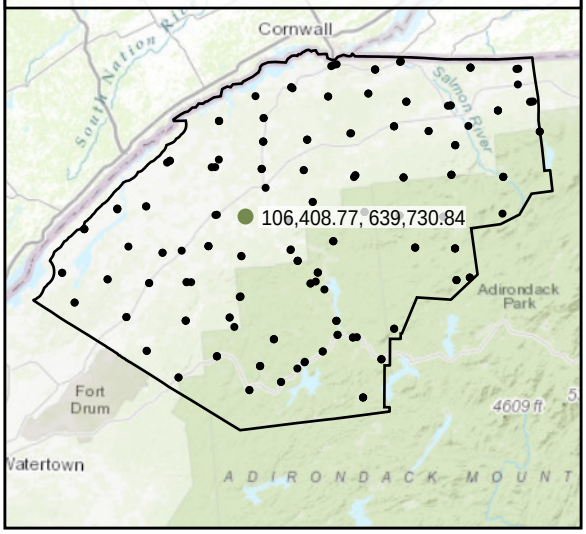


DEM Dz +0.16 m

VVA - FO26

FO27				
	Known Z	147.95 m	Point Density	2.79 ppsm
	DEM Dz	0.01 m	Ground Density	5.20 ppsm
	Raw TIN Dz	N/A	Slope	2.85 °

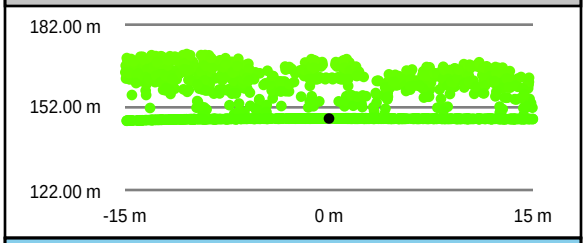
Project Context



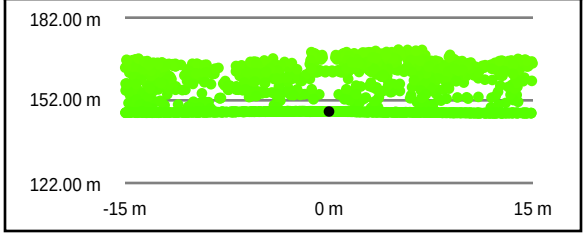
World Imagery



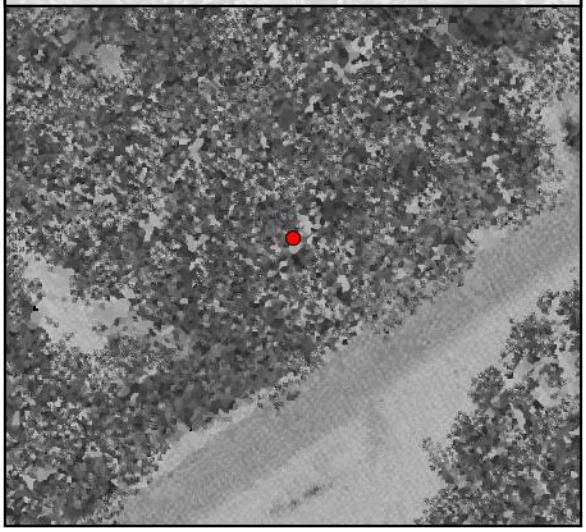
Southwest to Northeast



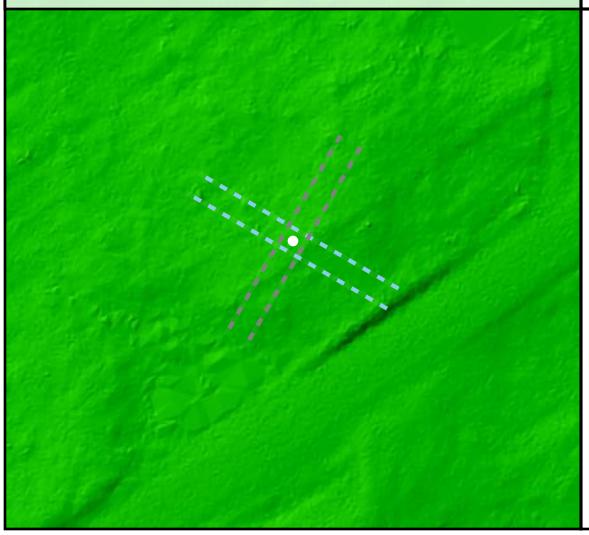
Southeast to Northwest



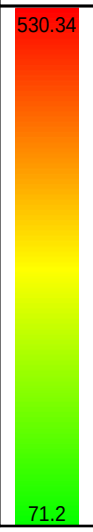
Intensity Raster



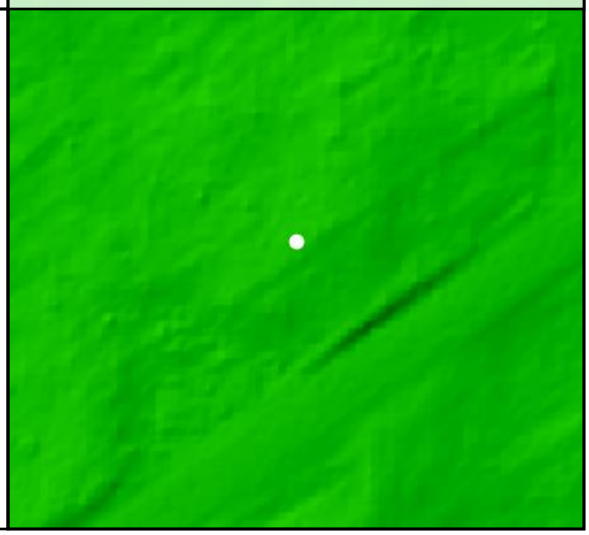
TIN Surface



Project Elevation

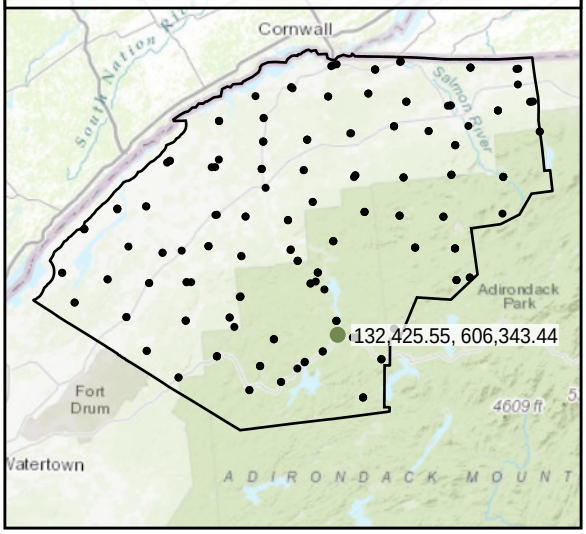


DEM Surface



FO28a				
	Known Z	470.37 m	Point Density	2.69 ppsm
	DEM Dz	0.09 m	Ground Density	1.63 ppsm
	Raw TIN Dz	N/A	Slope	2.28 °

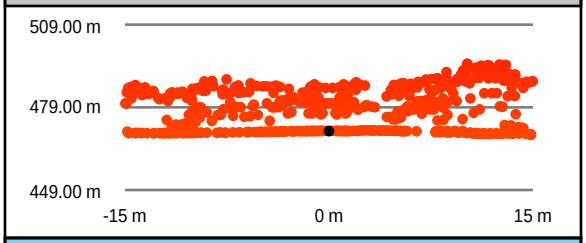
Project Context



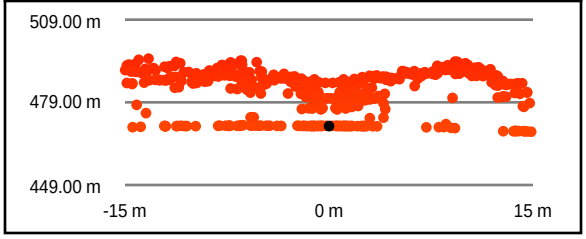
World Imagery



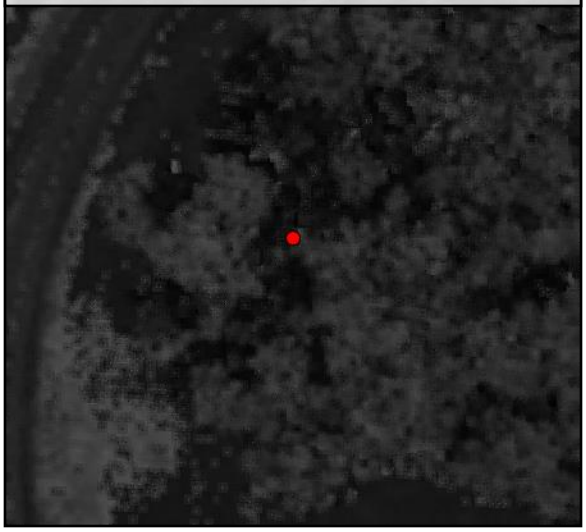
Southwest to Northeast



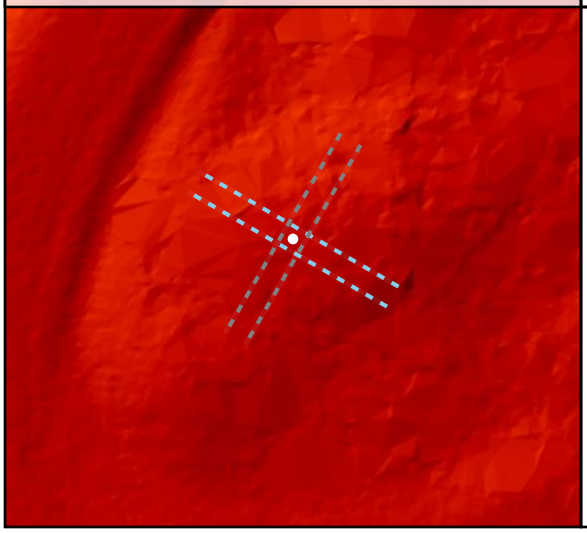
Southeast to Northwest



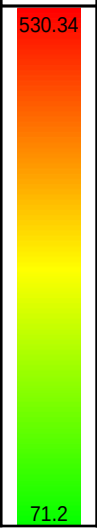
Intensity Raster



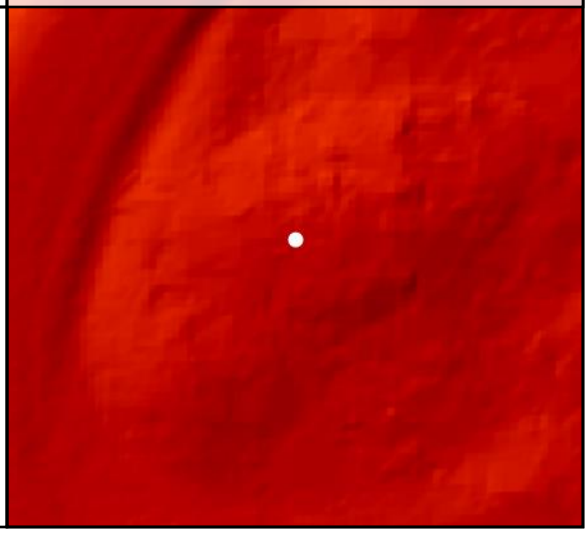
TIN Surface



Project Elevation



DEM Surface

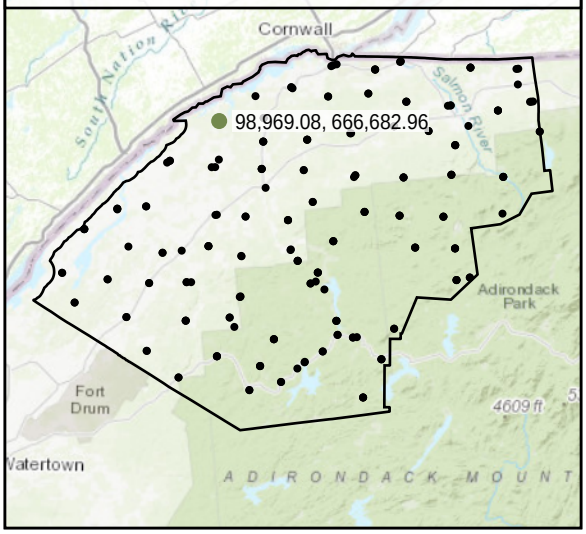


DEM Dz +0.09 m

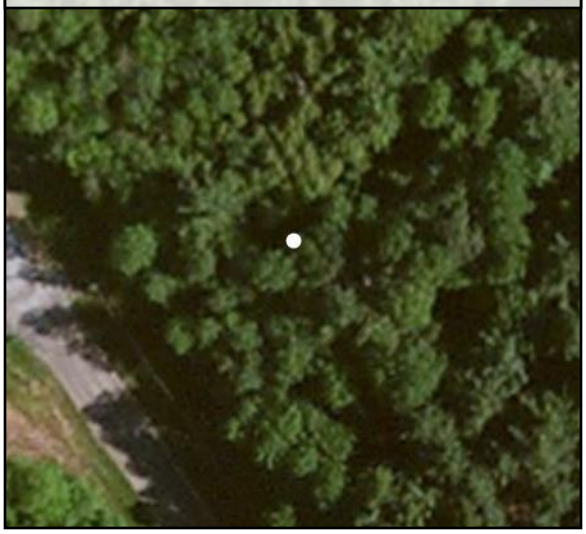
VVA - FO28a

FO29				
	Known Z	86.09 m	Point Density	3.50 ppsm
	DEM Dz	-0.02 m	Ground Density	2.33 ppsm
	Raw TIN Dz	N/A	Slope	1.67 °

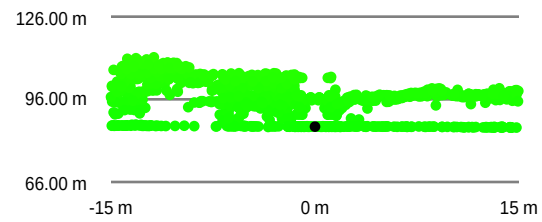
Project Context



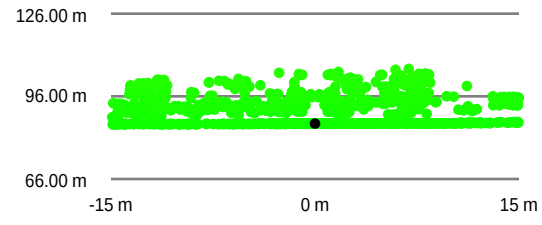
World Imagery



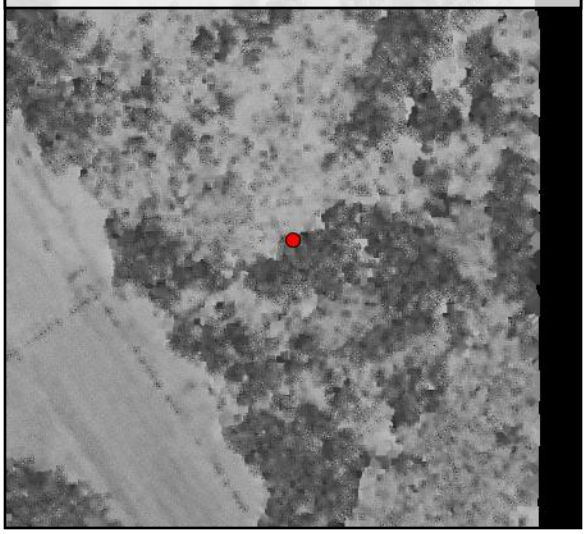
Southeast to Northwest



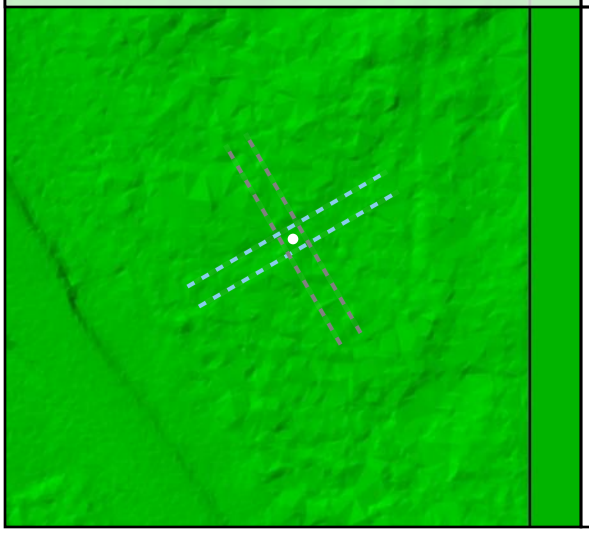
Southwest to Northeast



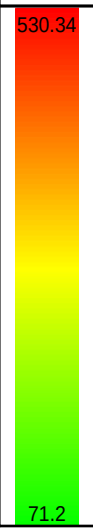
Intensity Raster



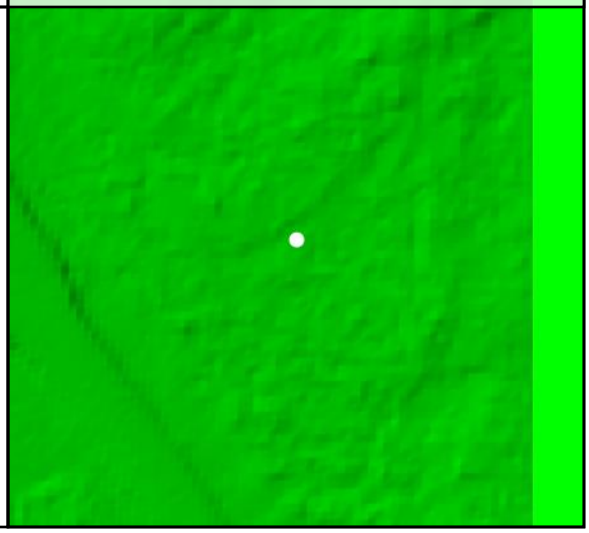
TIN Surface



Project Elevation



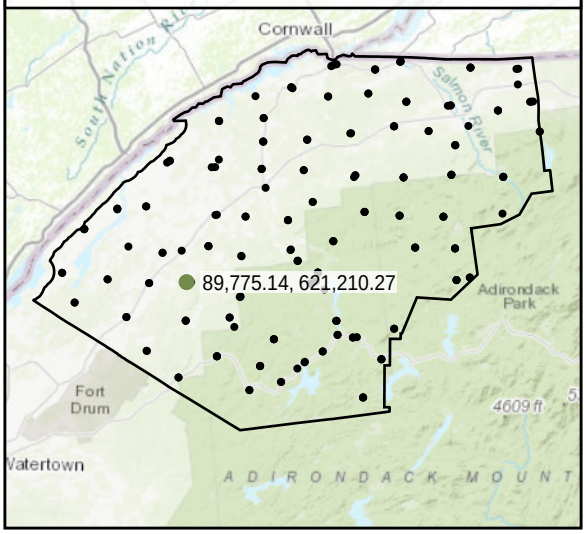
DEM Surface



FO30

Known Z	167.74 m	Point Density	4.24 ppsm
DEM Dz	0.06 m	Ground Density	4.42 ppsm
Raw TIN Dz	N/A	Slope	4.54 °

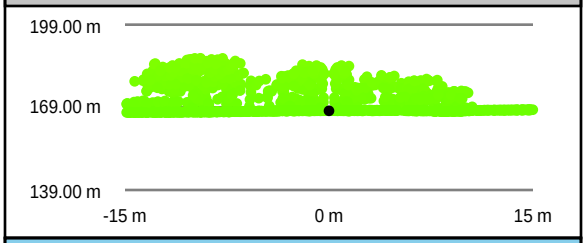
Project Context



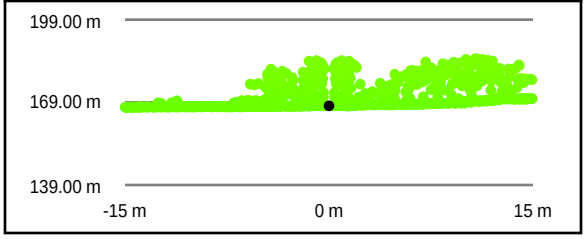
World Imagery



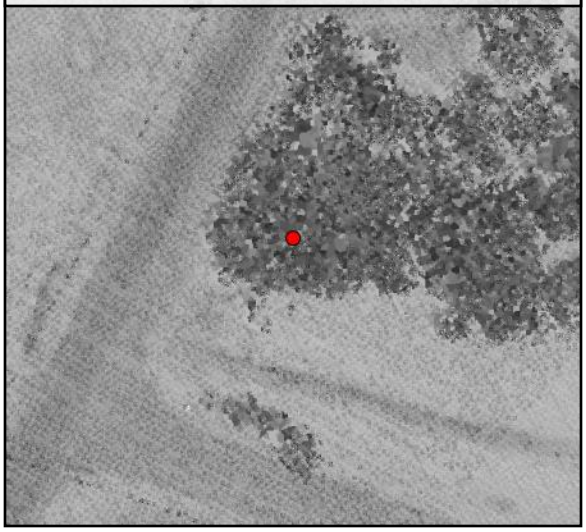
Southeast to Northwest



Southwest to Northeast



Intensity Raster



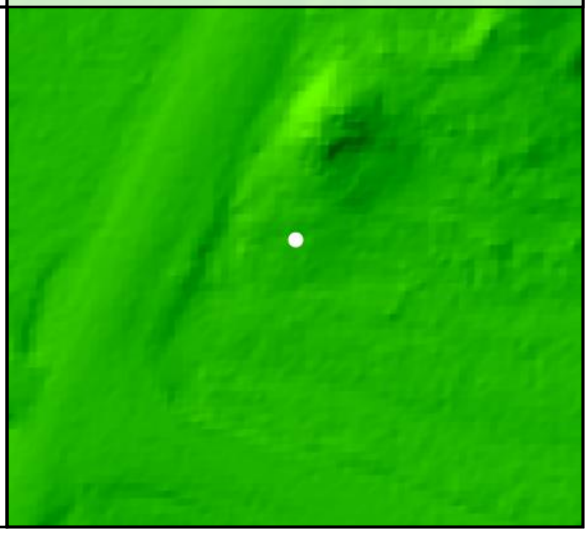
TIN Surface



Project Elevation



DEM Surface

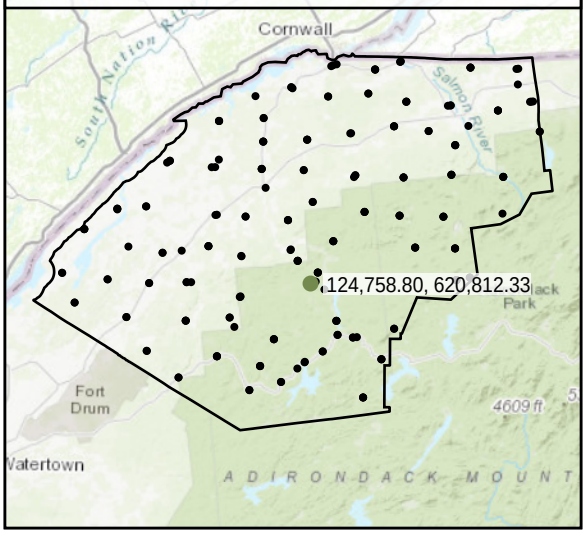


DEM Dz +0.06 m

VVA - FO30

FO31				
	Known Z	437.92 m	Point Density	5.06 ppsm
	DEM Dz	0.09 m	Ground Density	3.68 ppsm
	Raw TIN Dz	N/A	Slope	2.65 °

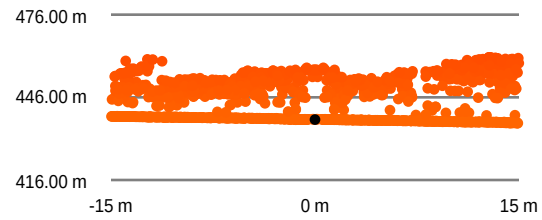
Project Context



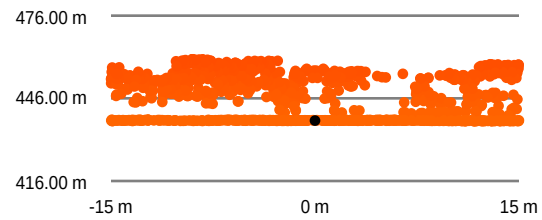
World Imagery



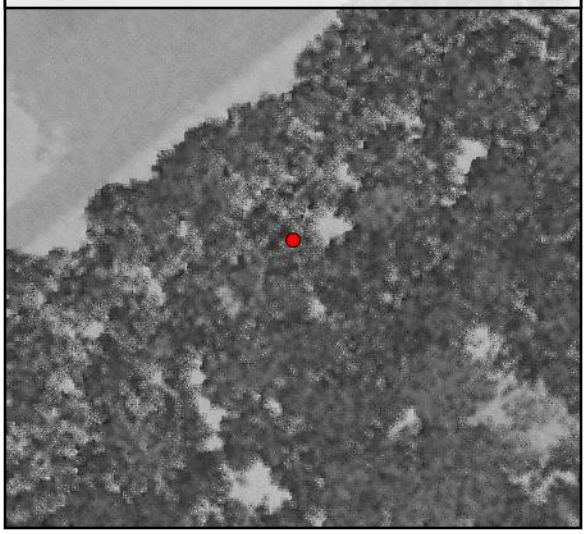
Southeast to Northwest



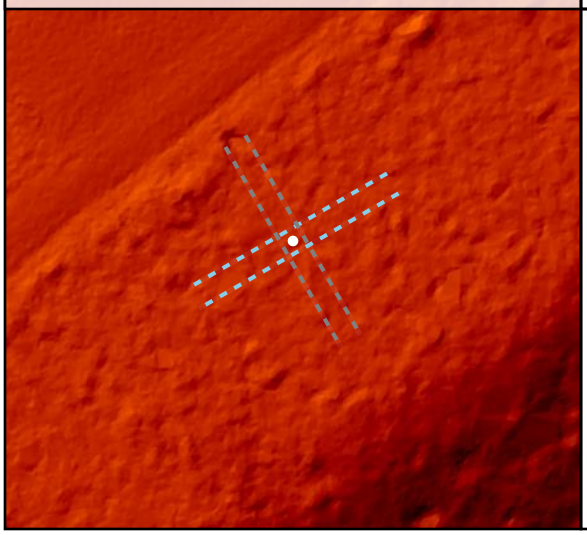
Southwest to Northeast



Intensity Raster



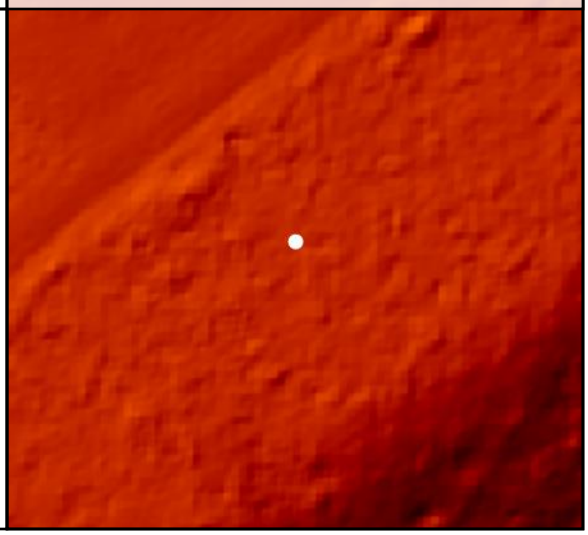
TIN Surface



Project Elevation



DEM Surface

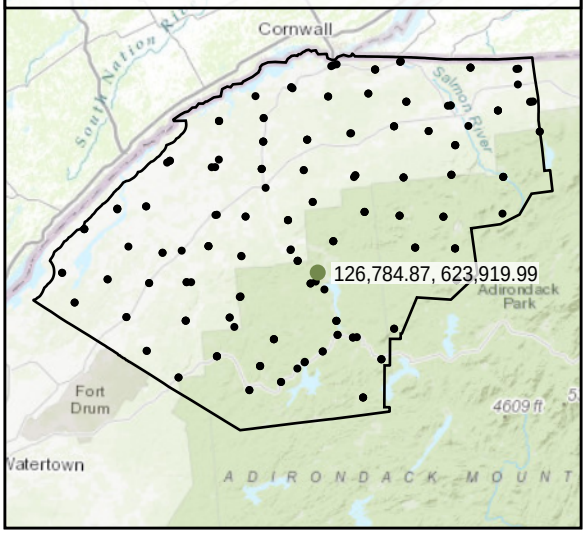


DEM Dz +0.09 m

VVA - FO31

FO32				
	Known Z	398.52 m	Point Density	4.46 ppsm
	DEM Dz	0.17 m	Ground Density	2.33 ppsm
	Raw TIN Dz	N/A	Slope	1.28 °

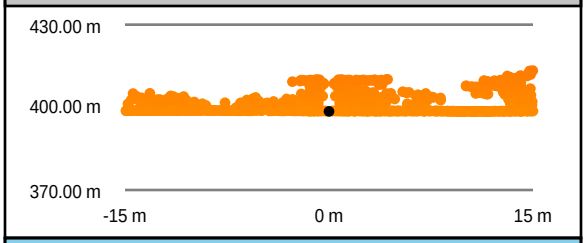
Project Context



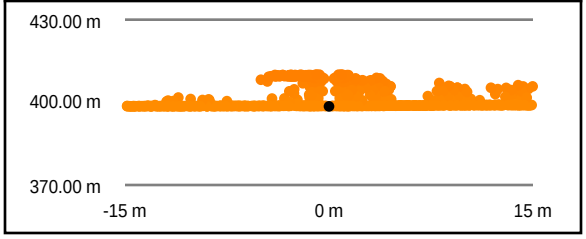
World Imagery



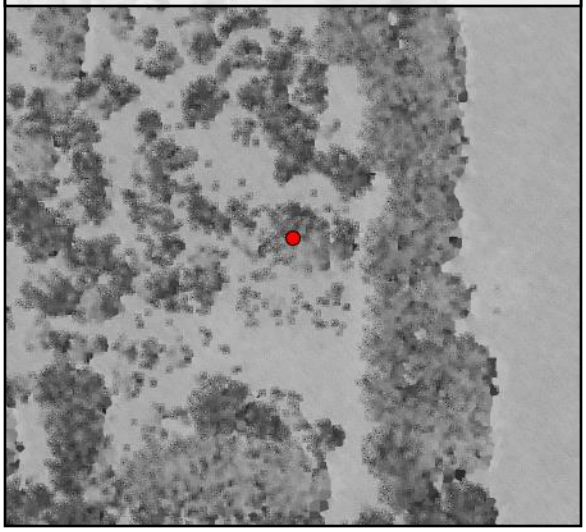
Southwest to Northeast



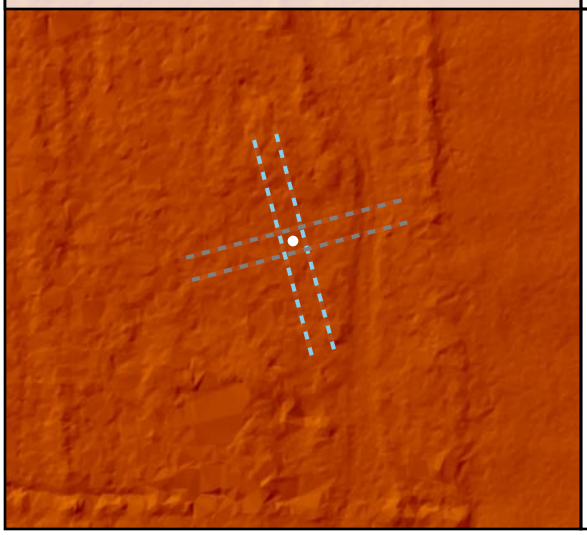
Southeast to Northwest



Intensity Raster



TIN Surface

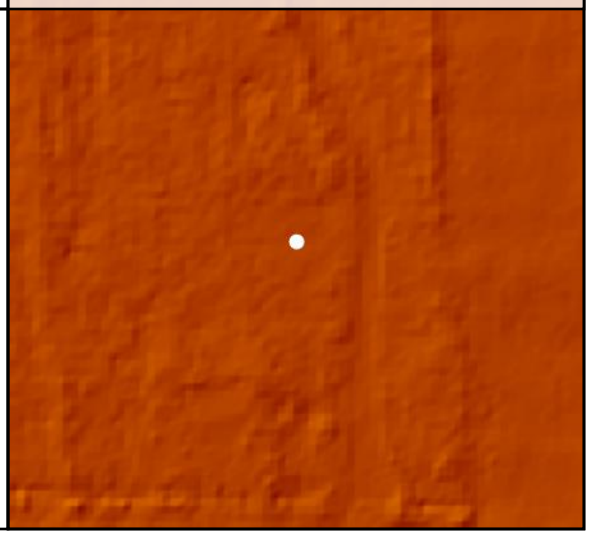


Project Elevation

530.34

48.98

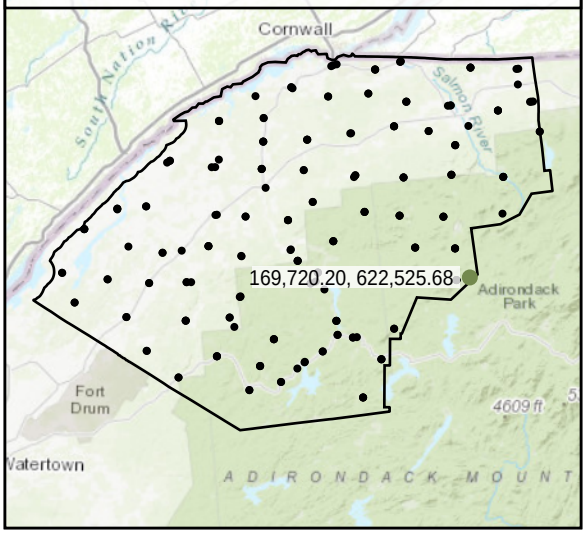
DEM Surface



FO33a

Known Z	509.54 m	Point Density	2.19 ppsm
DEM Dz	0.14 m	Ground Density	0.53 ppsm
Raw TIN Dz	N/A	Slope	2.45 °

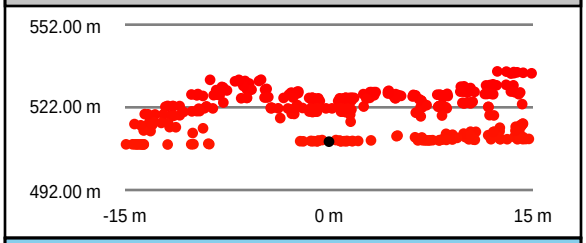
Project Context



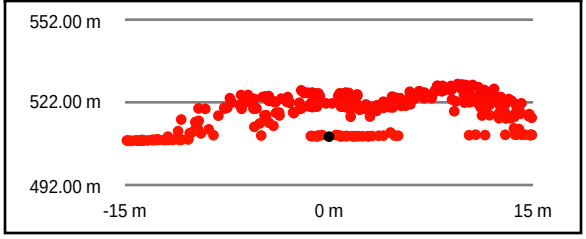
World Imagery



Southwest to Northeast



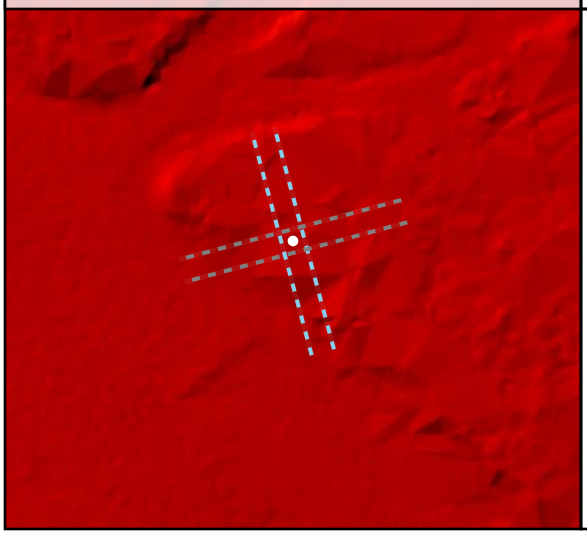
Southeast to Northwest



Intensity Raster



TIN Surface

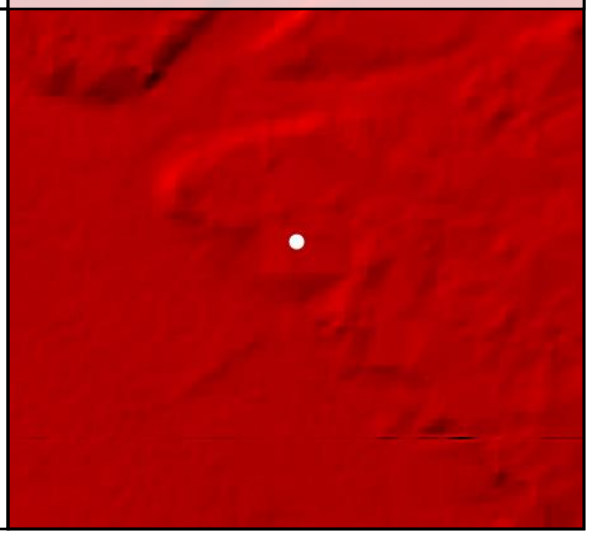


Project Elevation

530.34

48.98

DEM Surface

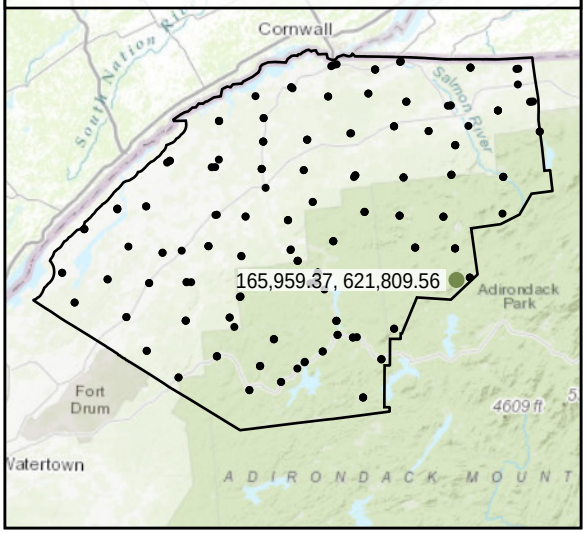


DEM Dz +0.14 m

VVA - FO33a

FO34				
	Known Z	492.98 m	Point Density	2.02 ppsm
	DEM Dz	0.05 m	Ground Density	1.66 ppsm
	Raw TIN Dz	N/A	Slope	2.24 °

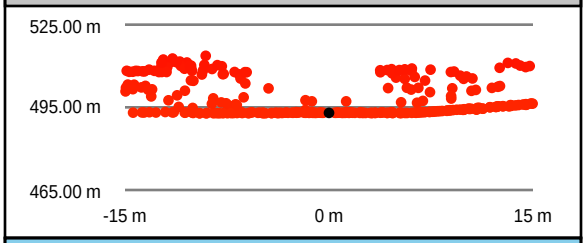
Project Context



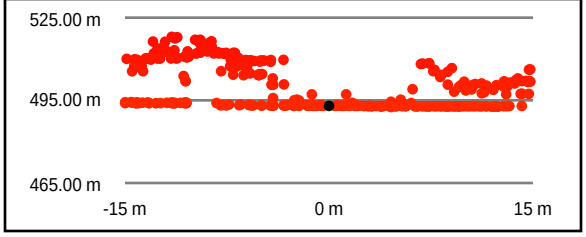
World Imagery



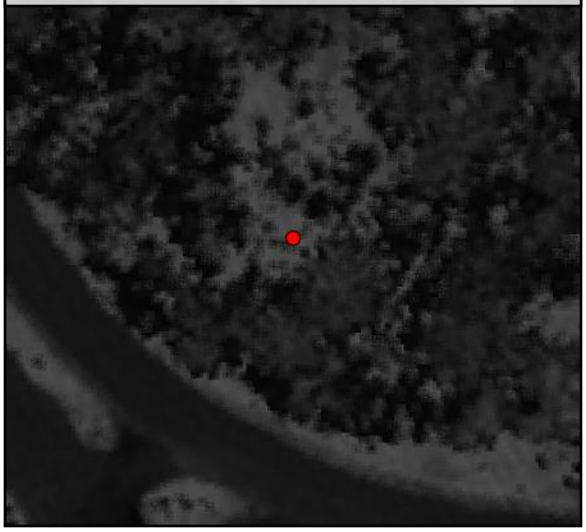
Southwest to Northeast



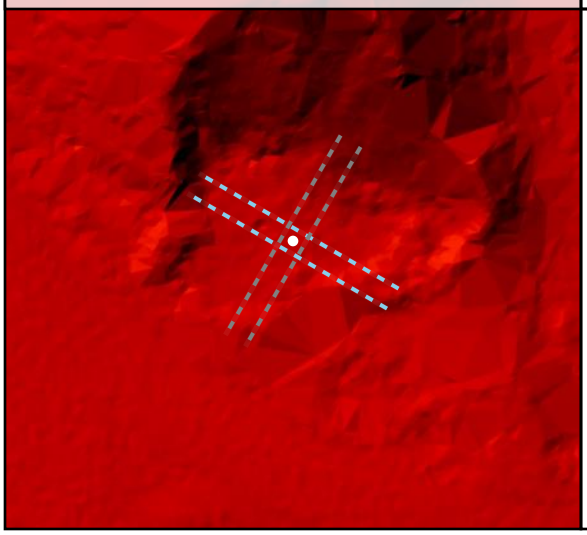
Southeast to Northwest



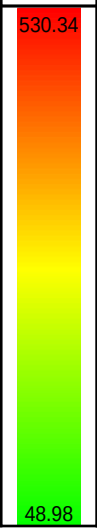
Intensity Raster



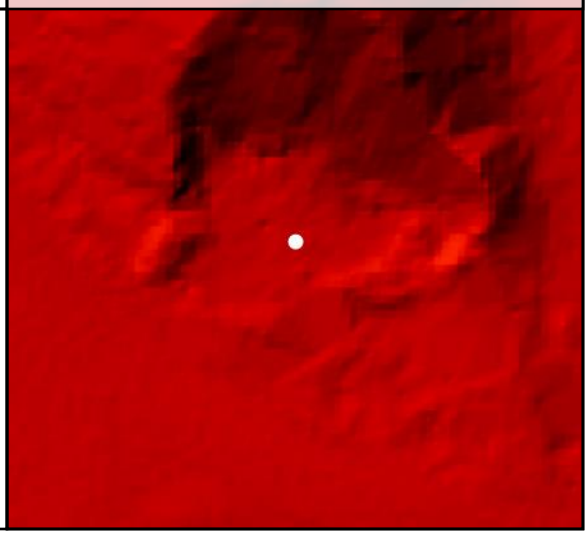
TIN Surface



Project Elevation



DEM Surface

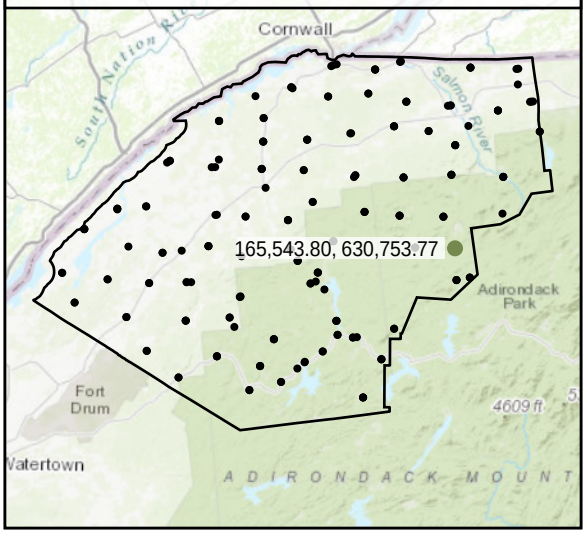


DEM Dz +0.05 m

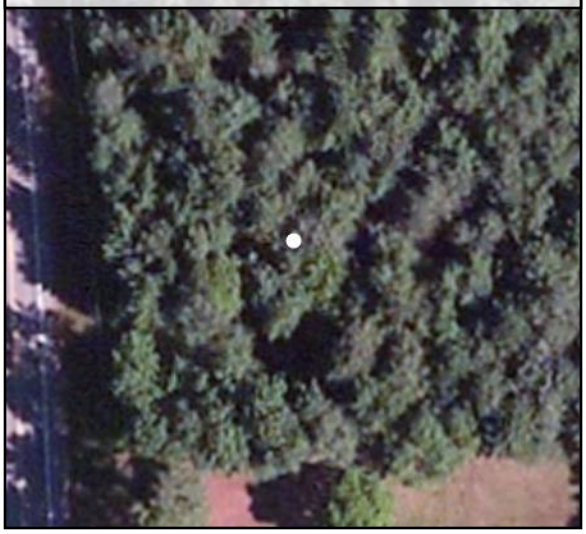
VVA - FO34

FO35				
	Known Z	504.41 m	Point Density	1.84 ppsm
	DEM Dz	0.11 m	Ground Density	0.39 ppsm
	Raw TIN Dz	N/A	Slope	2.94 °

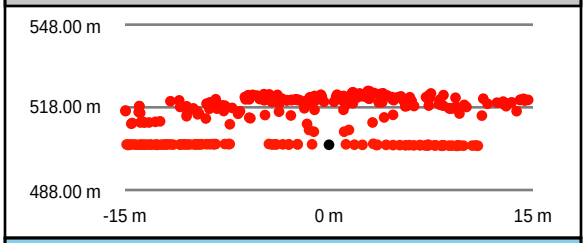
Project Context



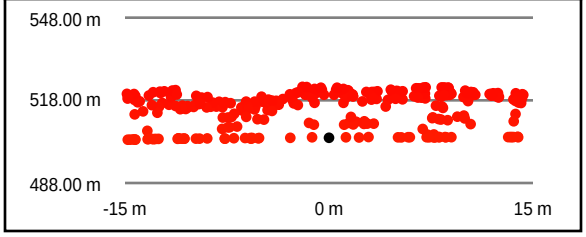
World Imagery



Southeast to Northwest



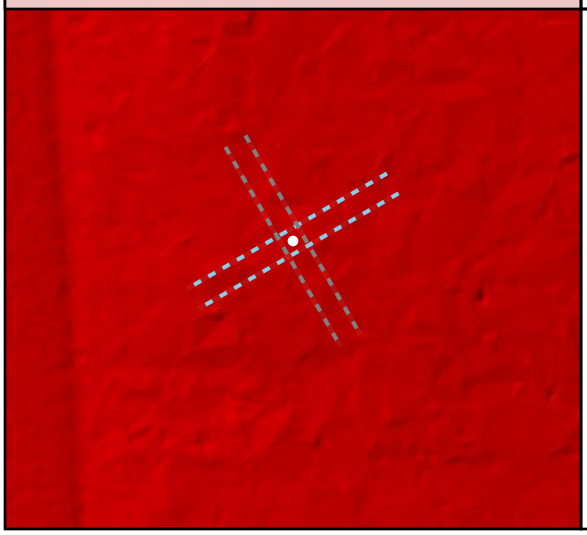
Southwest to Northeast



Intensity Raster



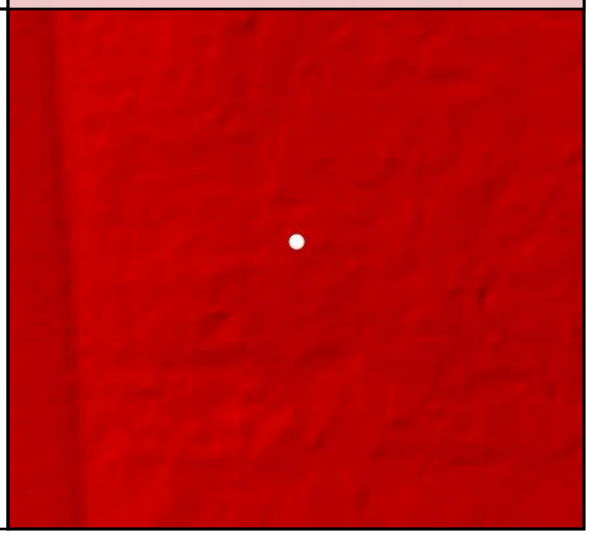
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.11 m

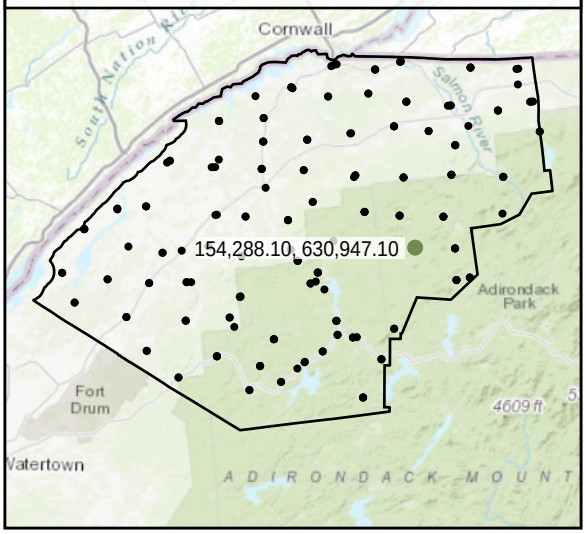
VVA - FO35

FO36				
	Known Z	473.95 m	Point Density	1.91 ppsm
	DEM Dz	0.04 m	Ground Density	0.07 ppsm
	Raw TIN Dz	N/A	Slope	7.40 °

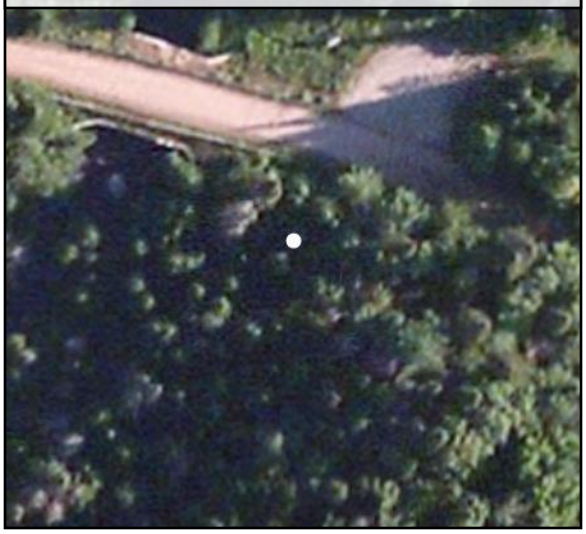
DEM Dz +0.04 m

VVA - FO36

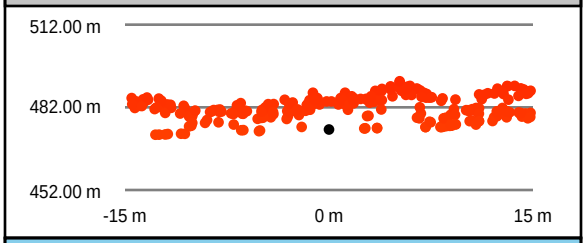
Project Context



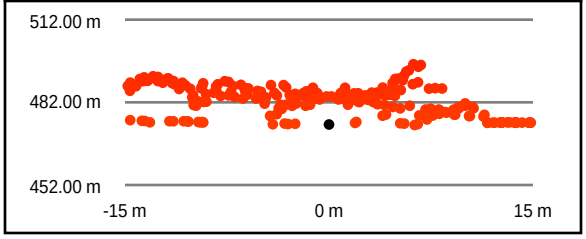
World Imagery



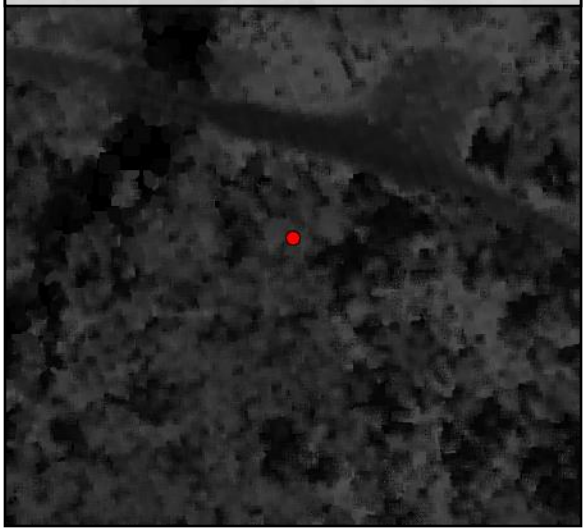
Southwest to Northeast



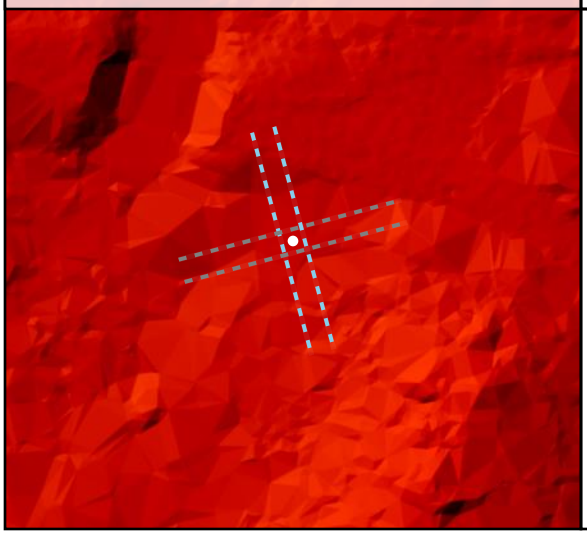
Southeast to Northwest



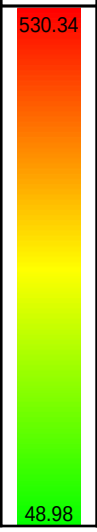
Intensity Raster



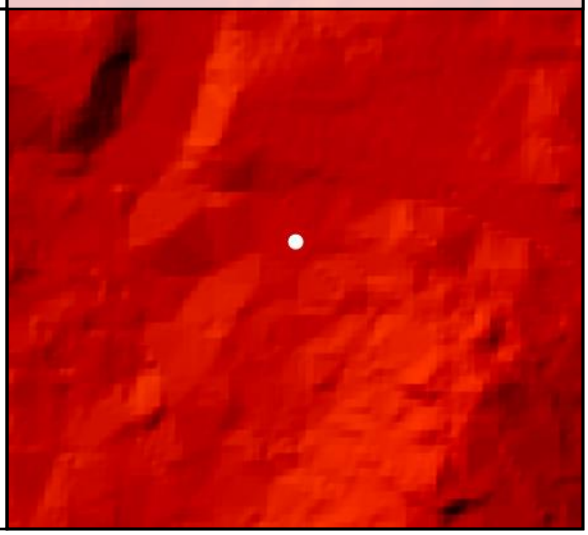
TIN Surface



Project Elevation



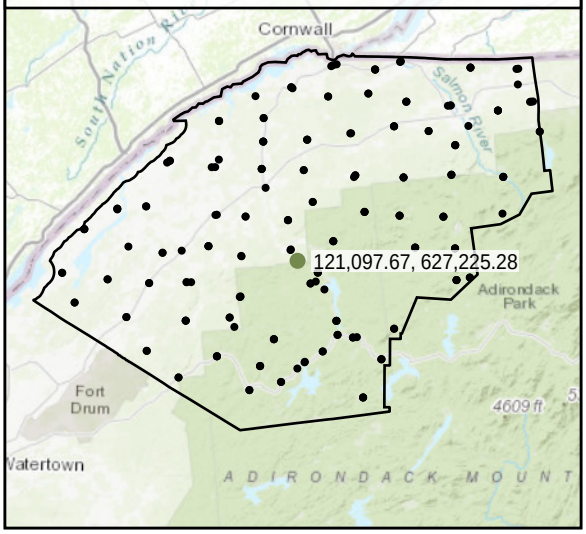
DEM Surface



FO37

Known Z	365.02 m	Point Density	2.41 ppsm
DEM Dz	0.09 m	Ground Density	2.44 ppsm
Raw TIN Dz	N/A	Slope	1.52 °

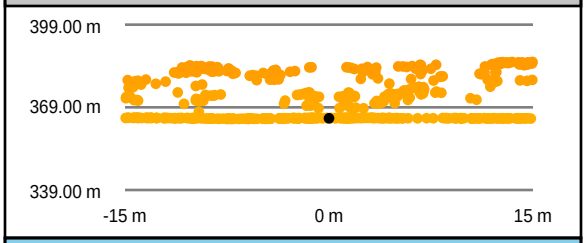
Project Context



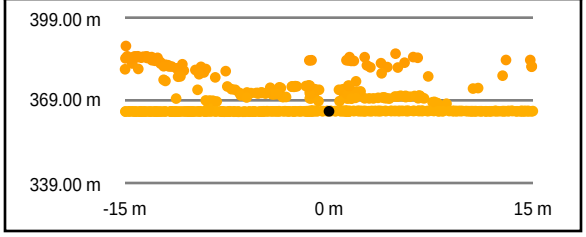
World Imagery



Southeast to Northwest



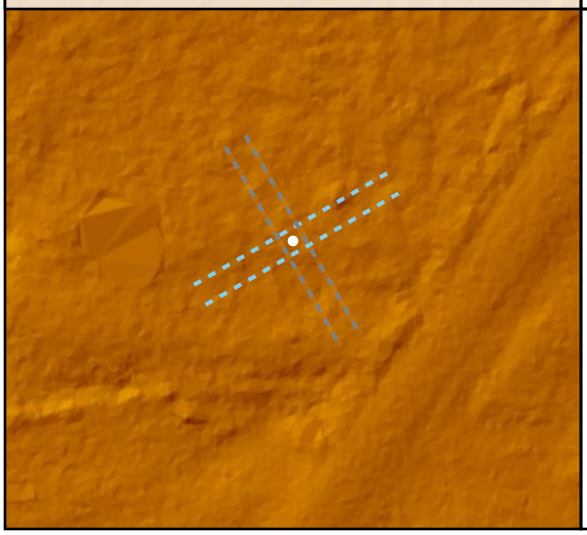
Southwest to Northeast



Intensity Raster



TIN Surface

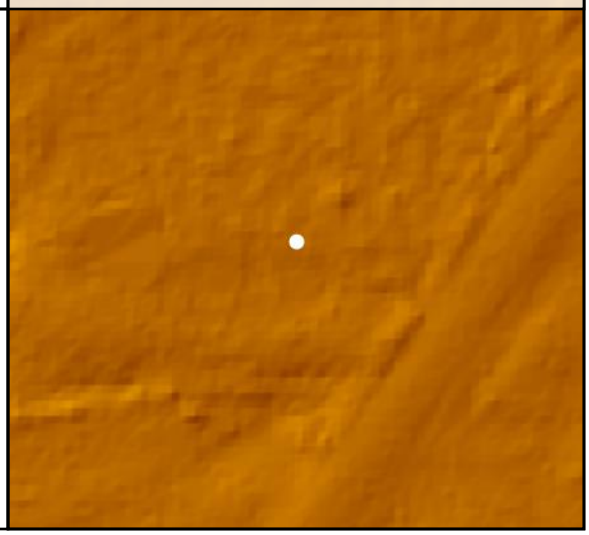


Project Elevation

530.34

48.98

DEM Surface

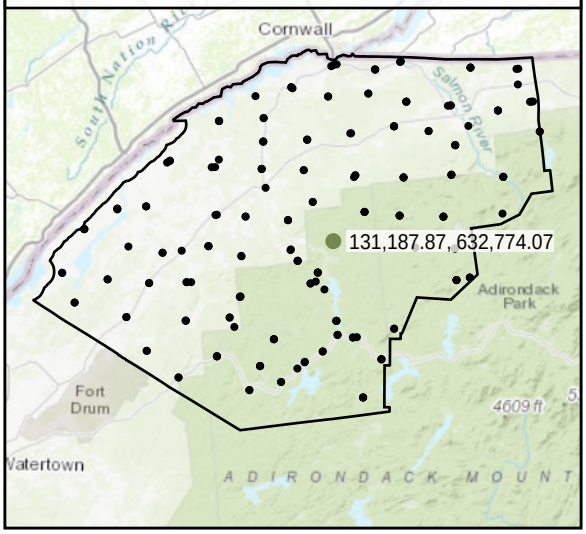


DEM Dz +0.09 m

VVA - FO37

FO38				
	Known Z	395.73 m	Point Density	2.51 ppsm
	DEM Dz	0.08 m	Ground Density	1.73 ppsm
	Raw TIN Dz	N/A	Slope	4.76 °

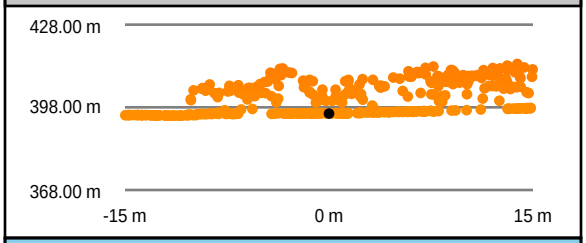
Project Context



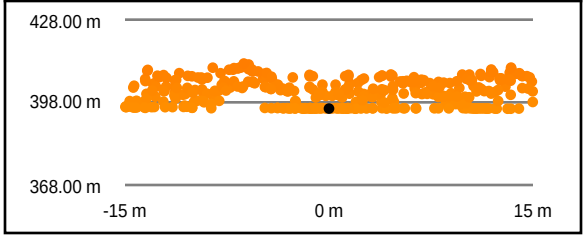
World Imagery



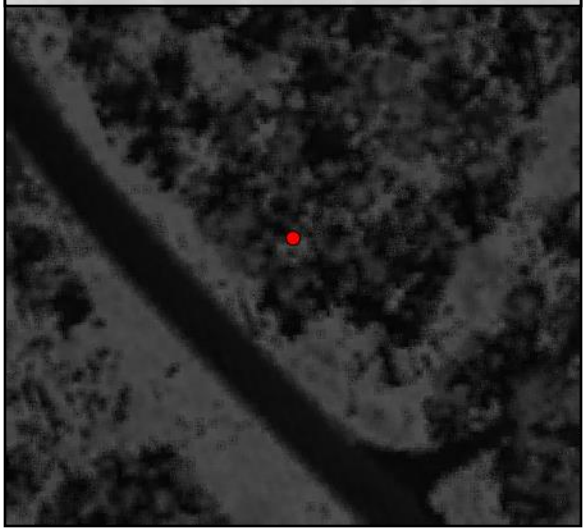
Southwest to Northeast



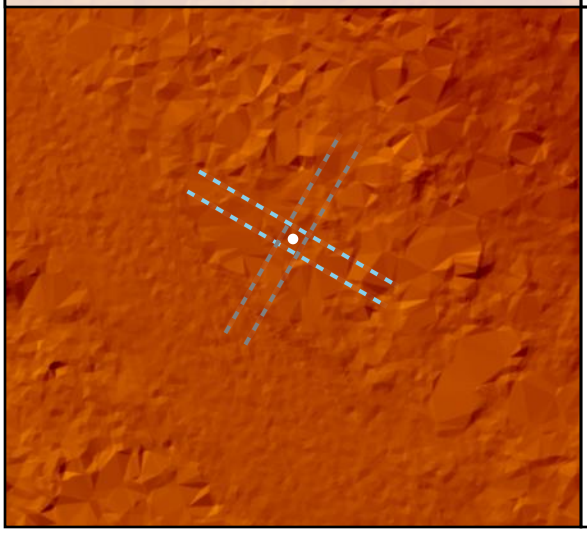
Southeast to Northwest



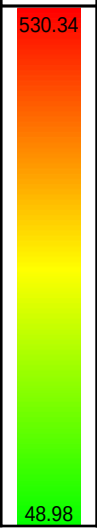
Intensity Raster



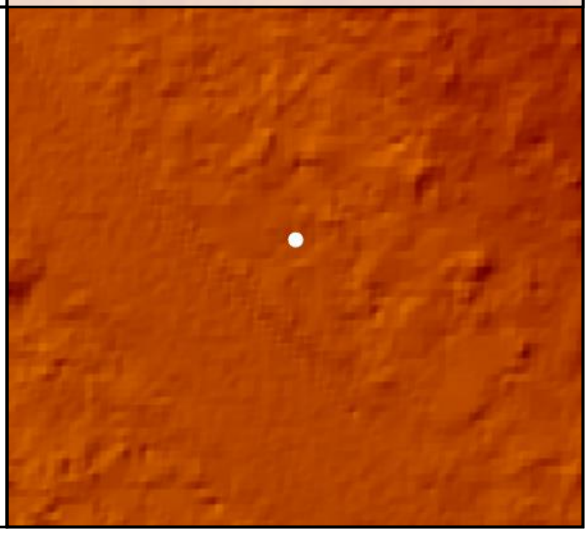
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.08 m

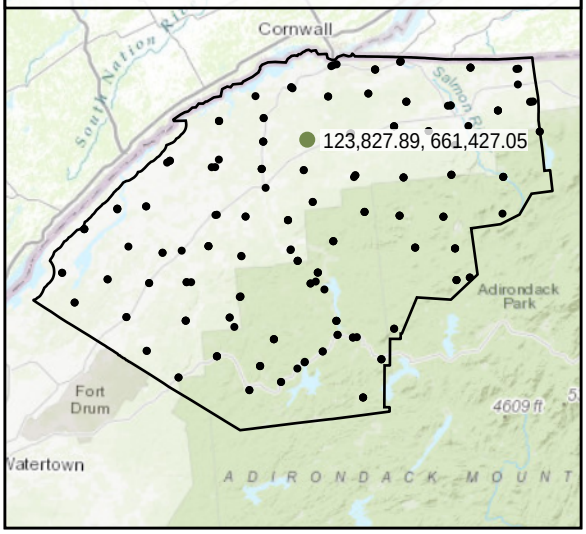
VVA - FO38

FO39				
	Known Z	110.38 m	Point Density	3.25 ppsm
	DEM Dz	0.16 m	Ground Density	2.23 ppsm
	Raw TIN Dz	N/A	Slope	4.39 °

DEM Dz +0.16 m

VVA - FO39

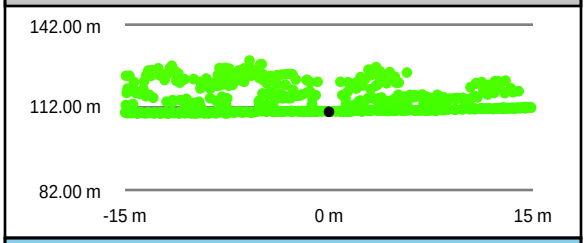
Project Context



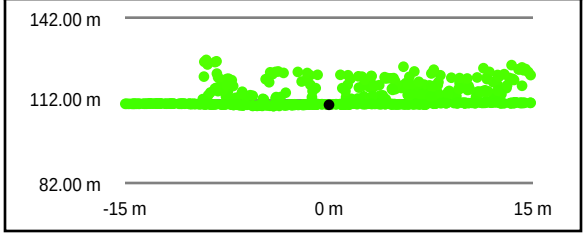
World Imagery



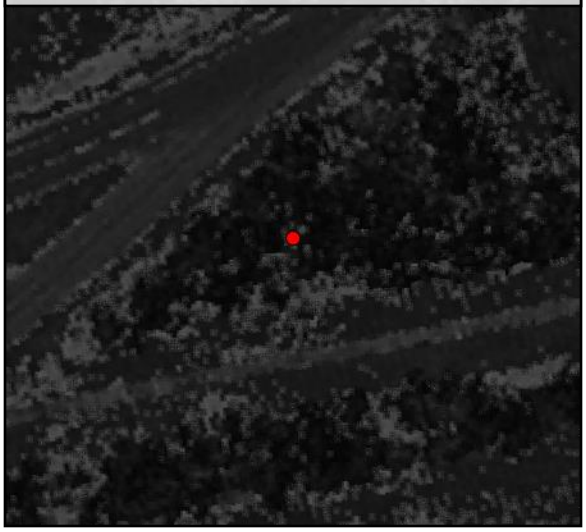
Southeast to Northwest



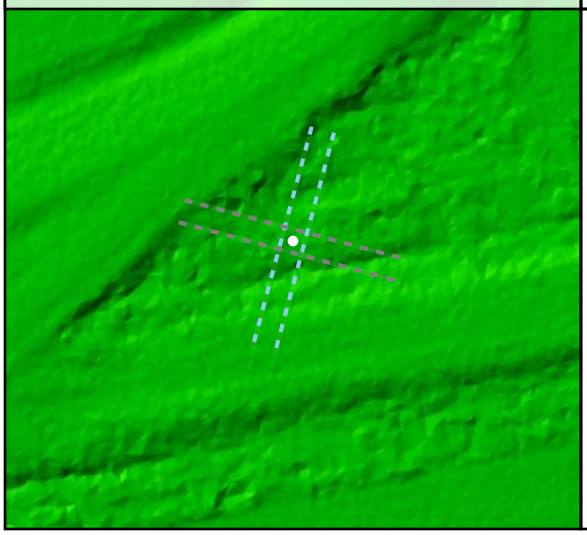
Southwest to Northeast



Intensity Raster



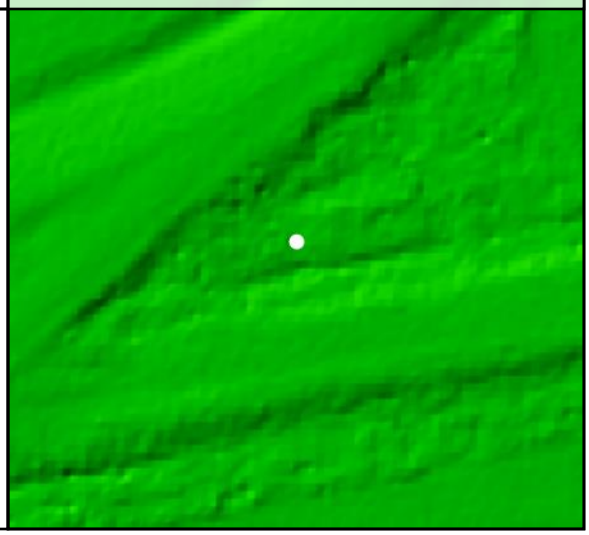
TIN Surface



Project Elevation



DEM Surface



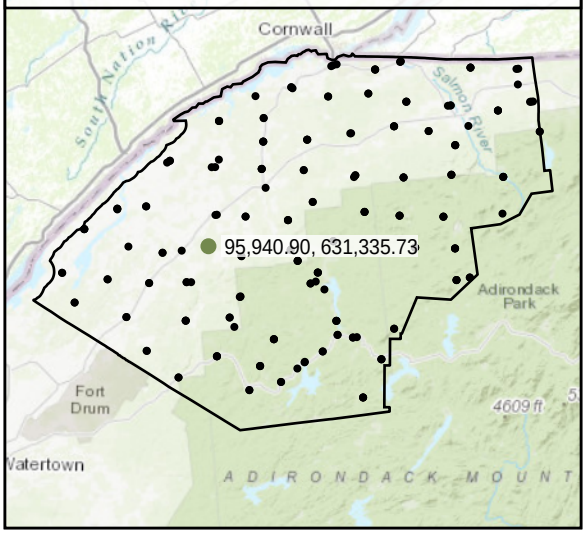
FO40

Known Z	159.54 m	Point Density	4.00 ppsm
DEM Dz	0.11 m	Ground Density	3.11 ppsm
Raw TIN Dz	N/A	Slope	2.91 °

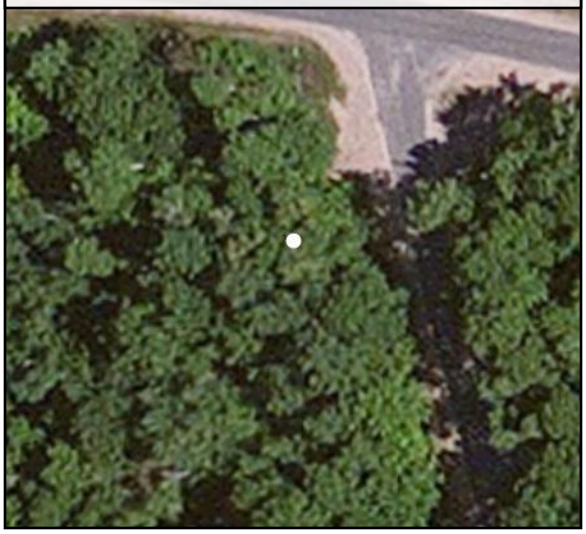
DEM Dz +0.11 m

VVA - FO40

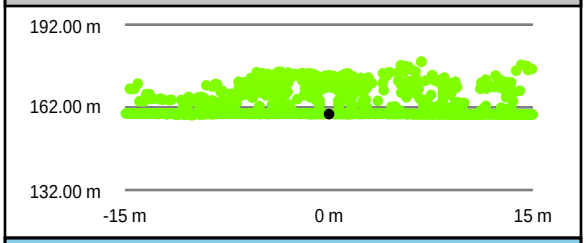
Project Context



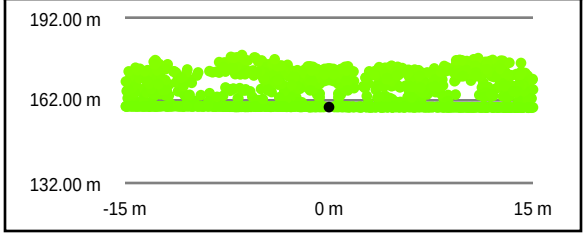
World Imagery



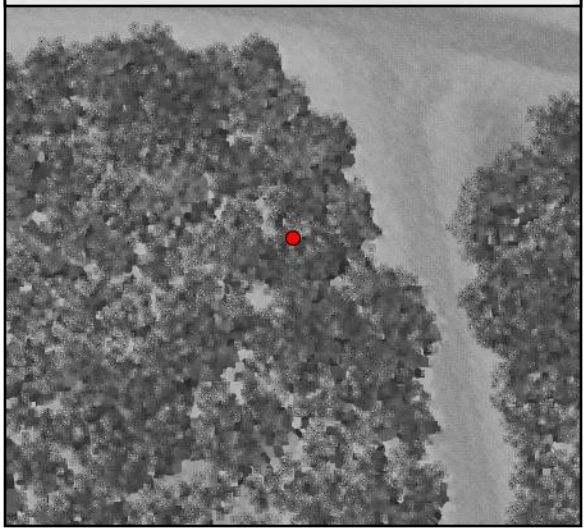
Southeast to Northwest



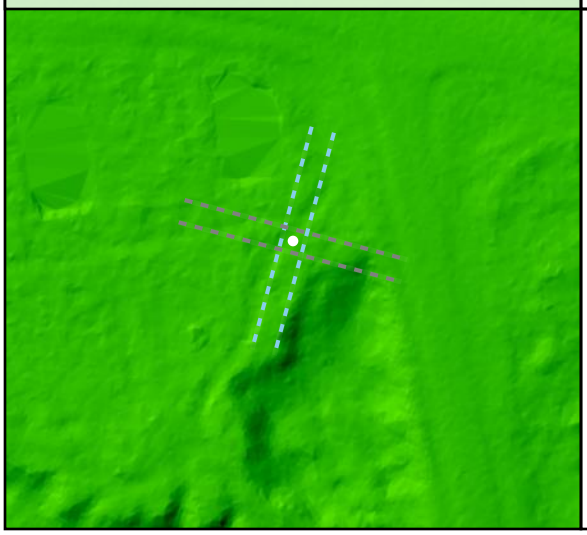
Southwest to Northeast



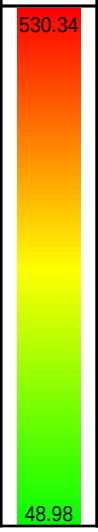
Intensity Raster



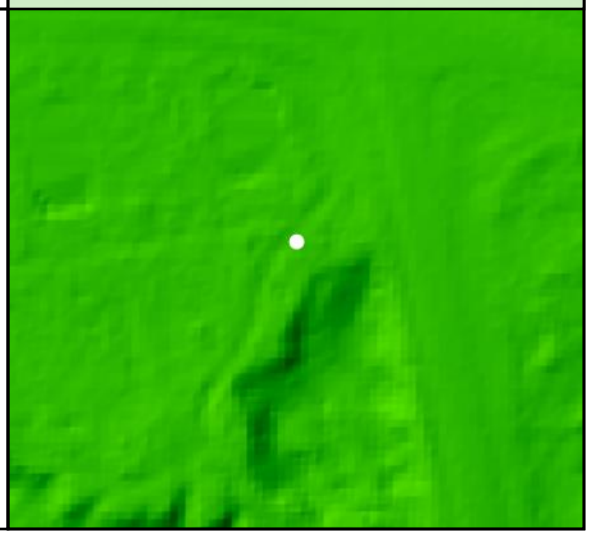
TIN Surface



Project Elevation



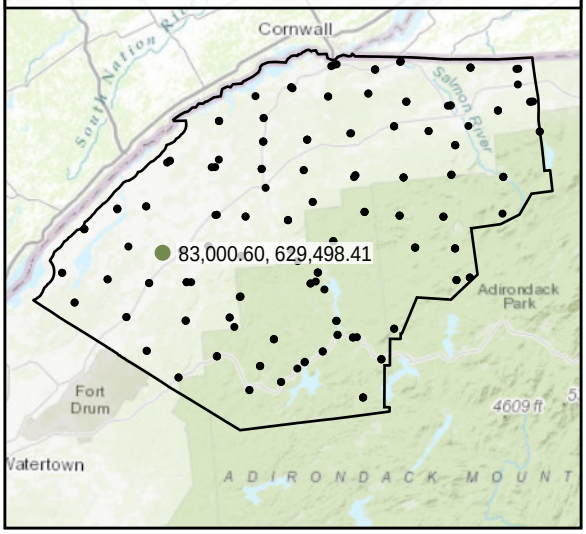
DEM Surface



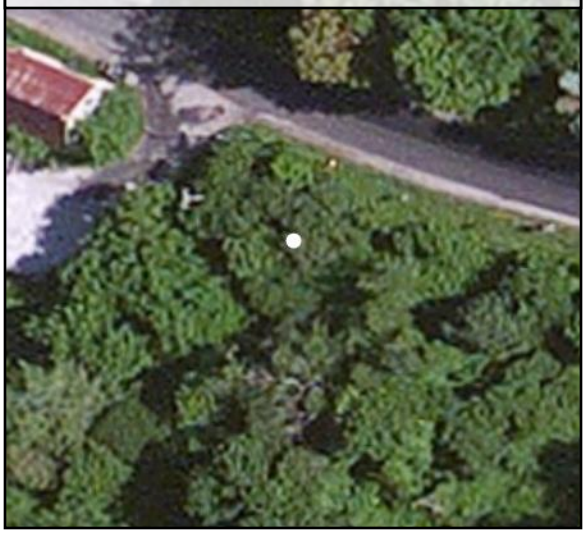
FO41

Known Z	104.03 m	Point Density	3.57 ppsm
DEM Dz	0.17 m	Ground Density	3.86 ppsm
Raw TIN Dz	N/A	Slope	6.29 °

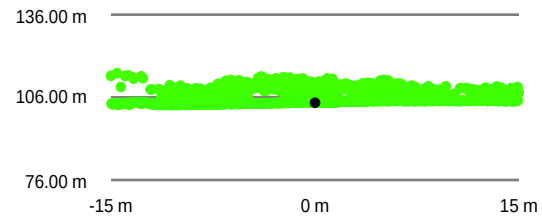
Project Context



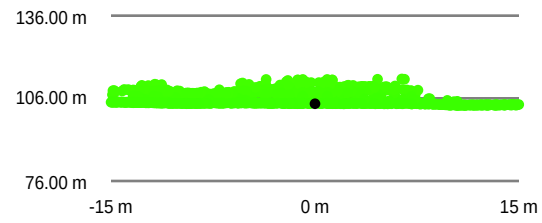
World Imagery



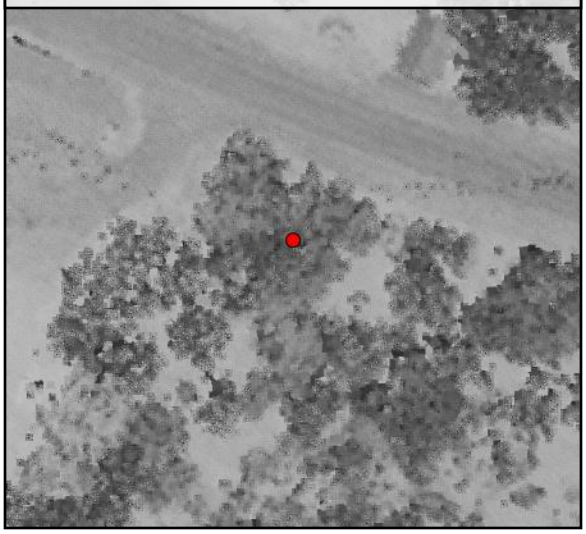
West to East



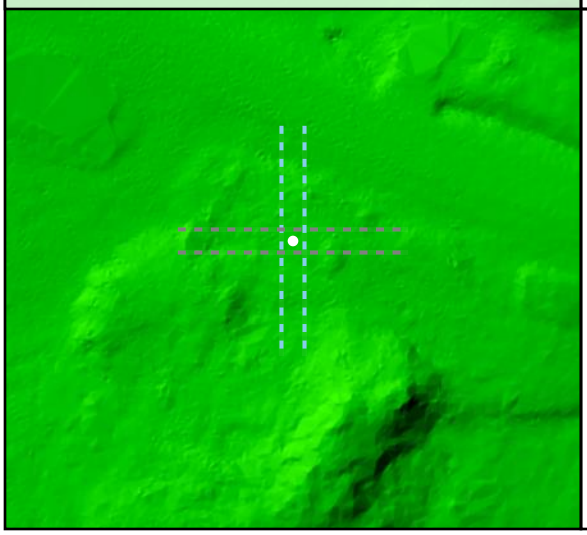
South to North



Intensity Raster



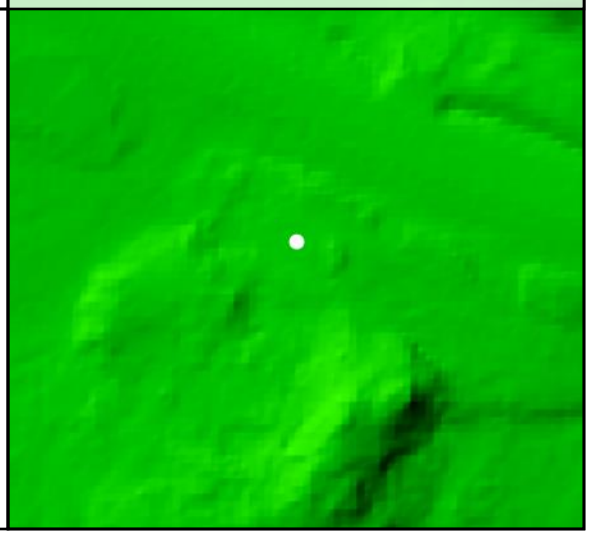
TIN Surface



Project Elevation



DEM Surface

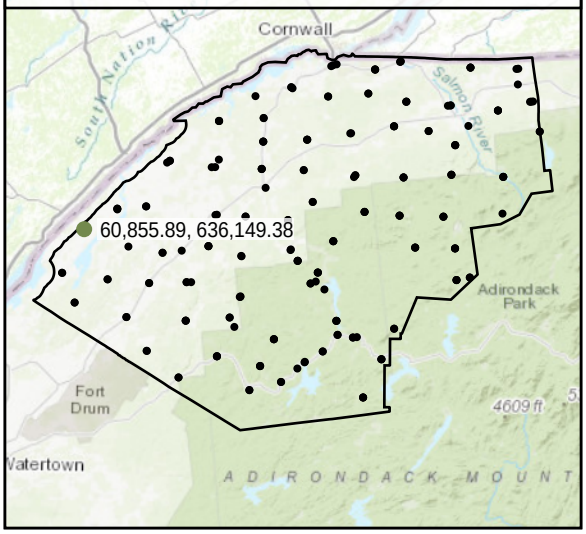


DEM Dz +0.17 m

VVA - FO41

FO42				
	Known Z	91.39 m	Point Density	4.14 ppsm
	DEM Dz	0.12 m	Ground Density	2.90 ppsm
	Raw TIN Dz	N/A	Slope	0.27 °

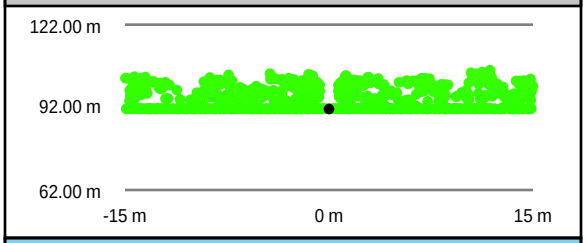
Project Context



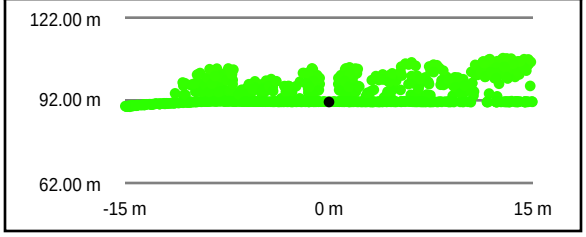
World Imagery



Southwest to Northeast



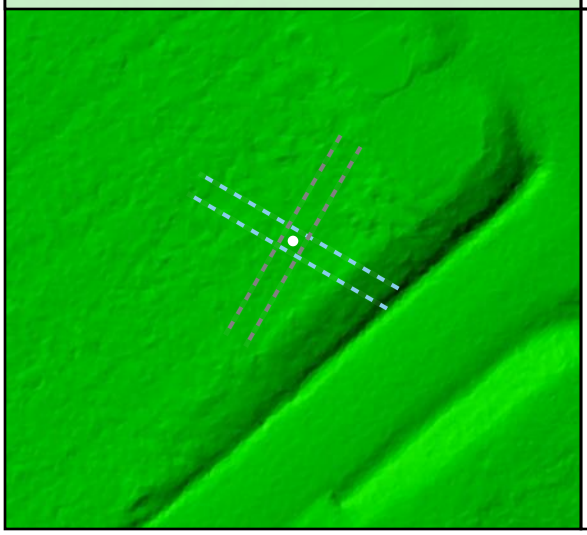
Southeast to Northwest



Intensity Raster



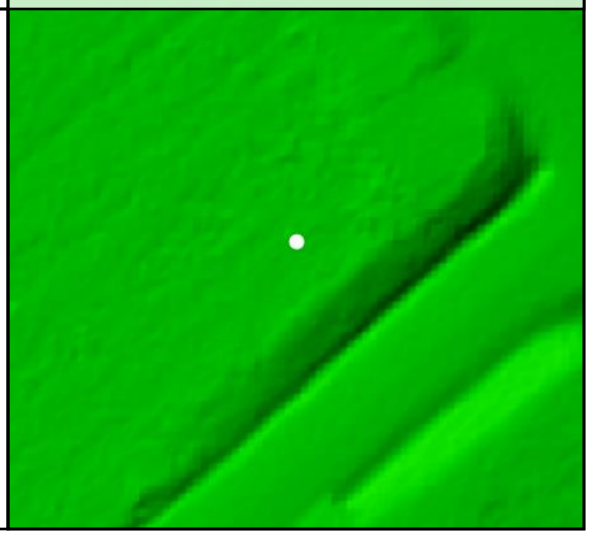
TIN Surface



Project Elevation

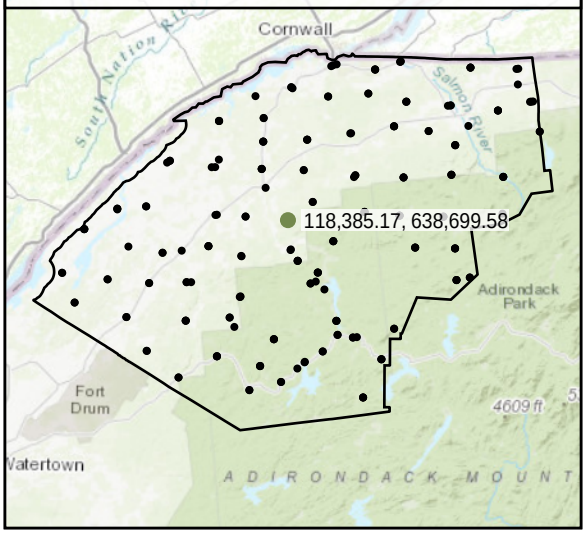


DEM Surface



FO43				
	Known Z	267.90 m	Point Density	4.00 ppsm
	DEM Dz	0.01 m	Ground Density	3.43 ppsm
	Raw TIN Dz	N/A	Slope	0.47 °

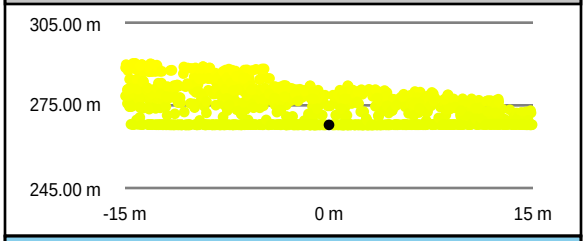
Project Context



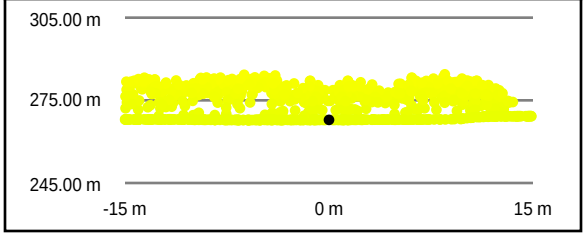
World Imagery



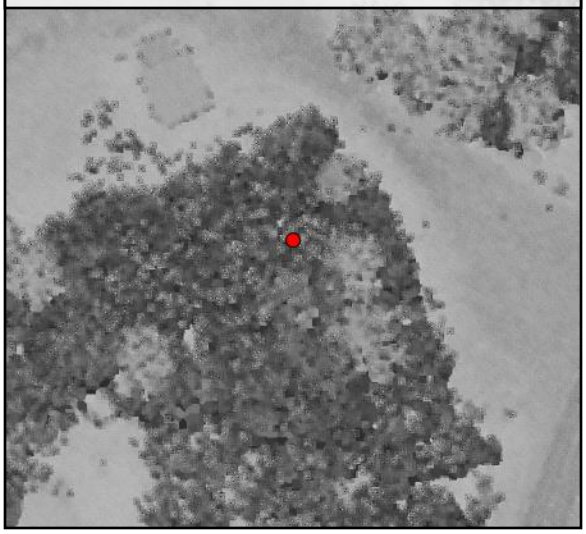
Southeast to Northwest



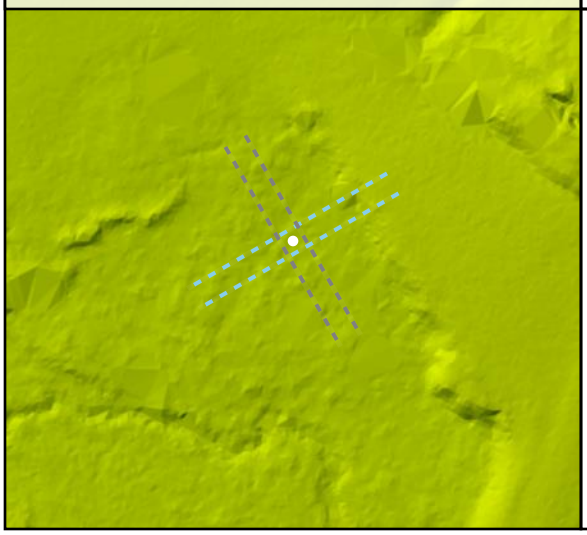
Southwest to Northeast



Intensity Raster



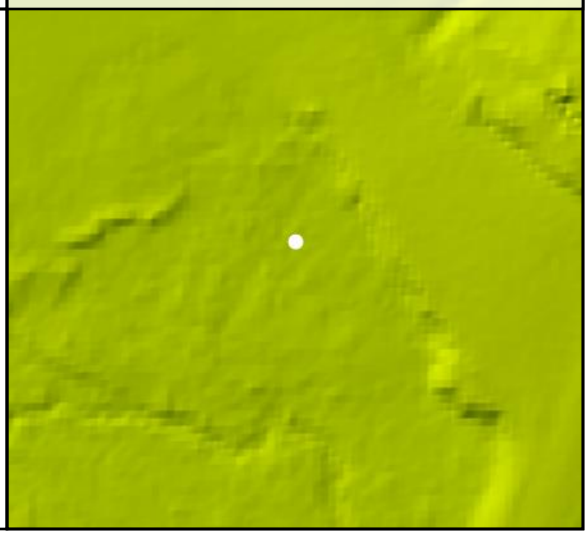
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.01 m

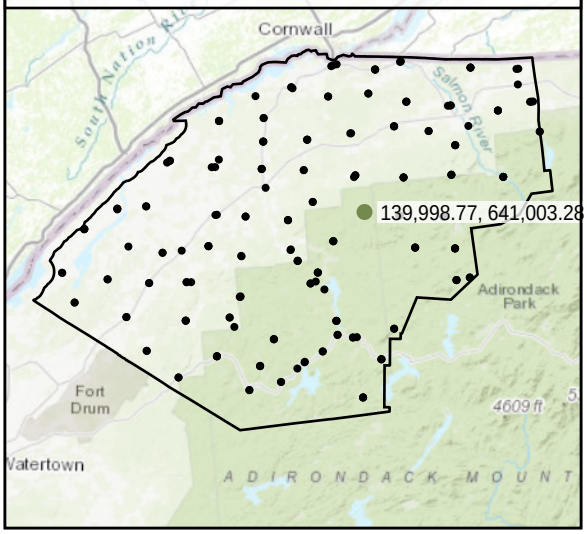
VVA - FO43

FO44				
	Known Z	435.70 m	Point Density	2.30 ppsm
	DEM Dz	0.11 m	Ground Density	1.77 ppsm
	Raw TIN Dz	N/A	Slope	4.54 °

DEM Dz +0.11 m

VVA - FO44

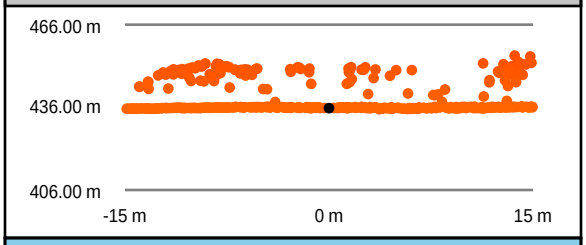
Project Context



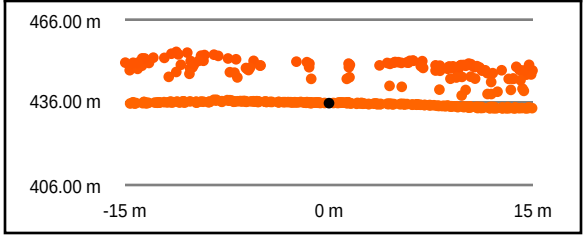
World Imagery



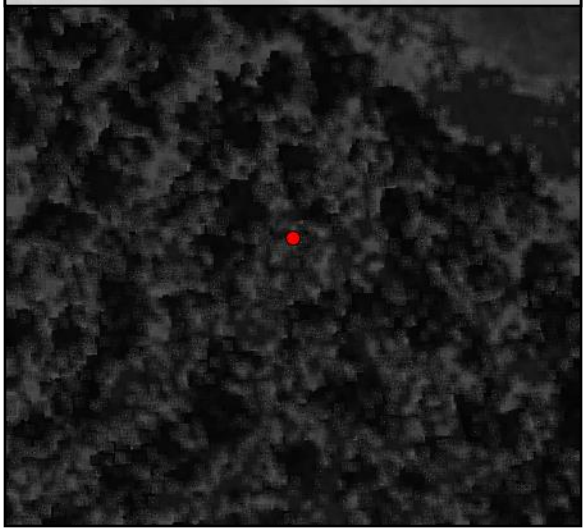
West to East



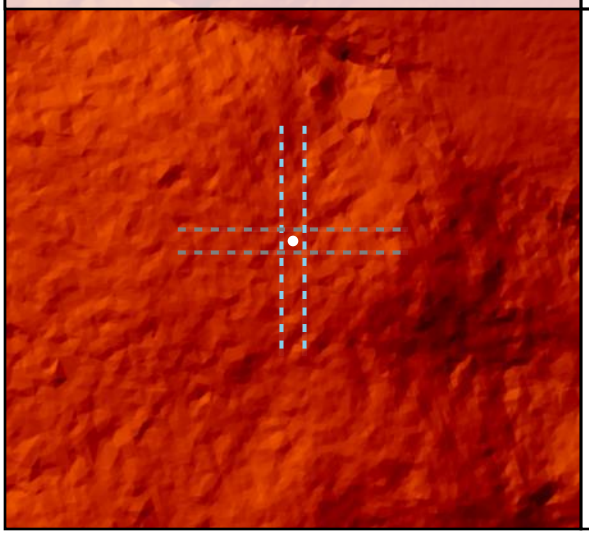
South to North



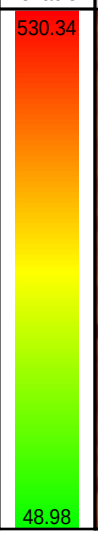
Intensity Raster



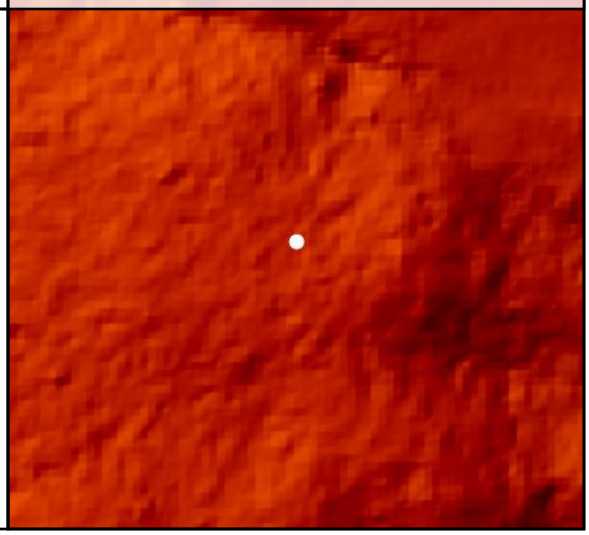
TIN Surface



Project Elevation



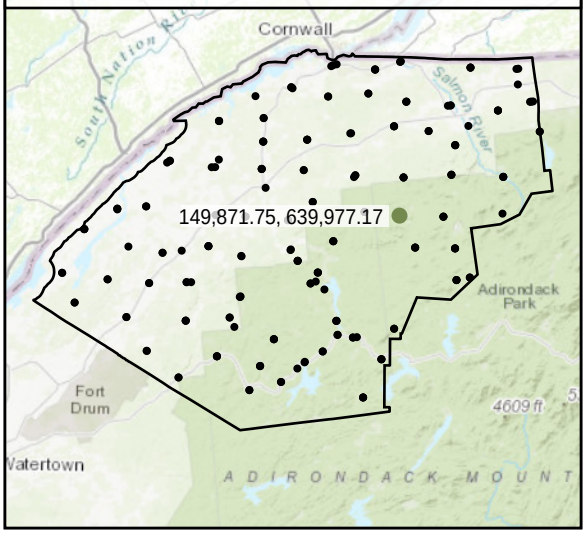
DEM Surface



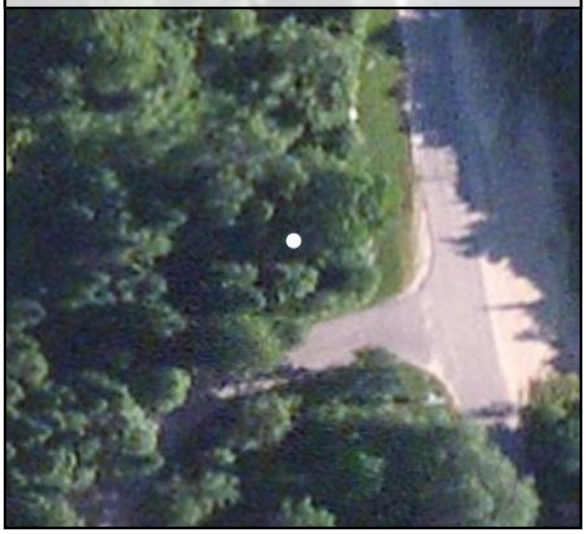
FO45

Known Z	436.01 m	Point Density	2.51 ppsm
DEM Dz	0.11 m	Ground Density	1.70 ppsm
Raw TIN Dz	N/A	Slope	3.21 °

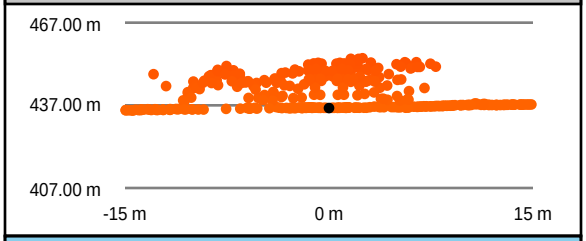
Project Context



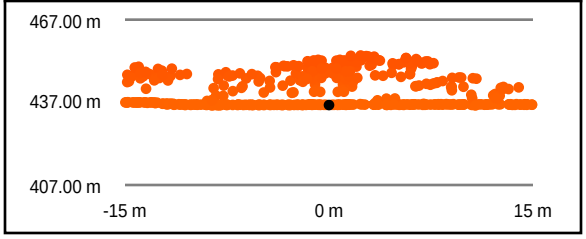
World Imagery



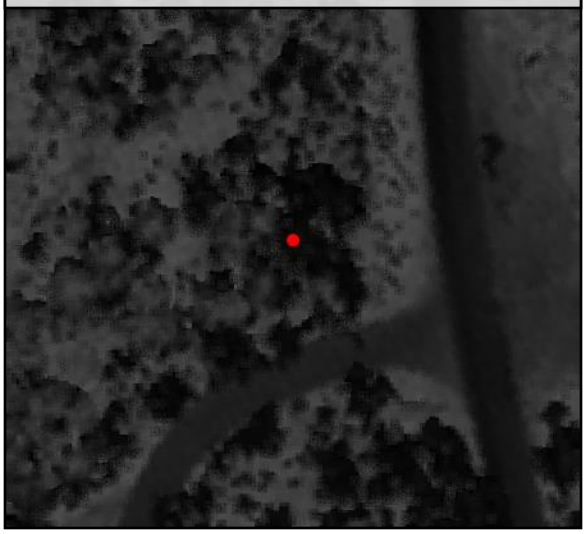
West to East



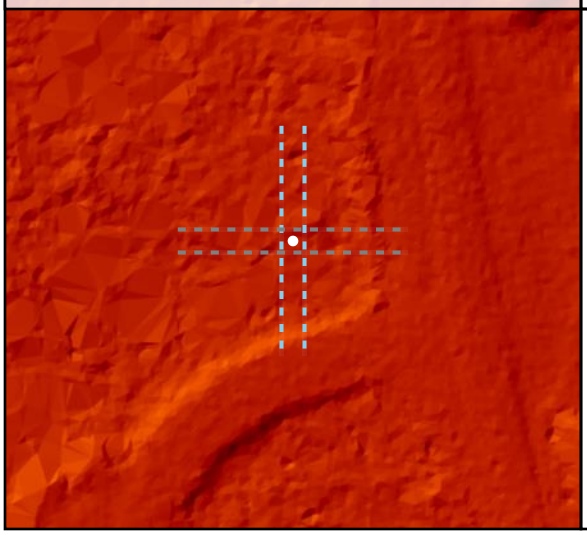
South to North



Intensity Raster



TIN Surface

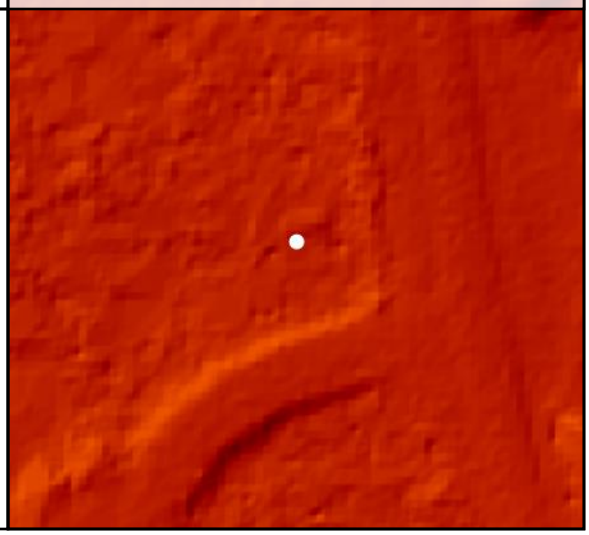


Project Elevation

530.34

48.98

DEM Surface



DEM Dz +0.11 m

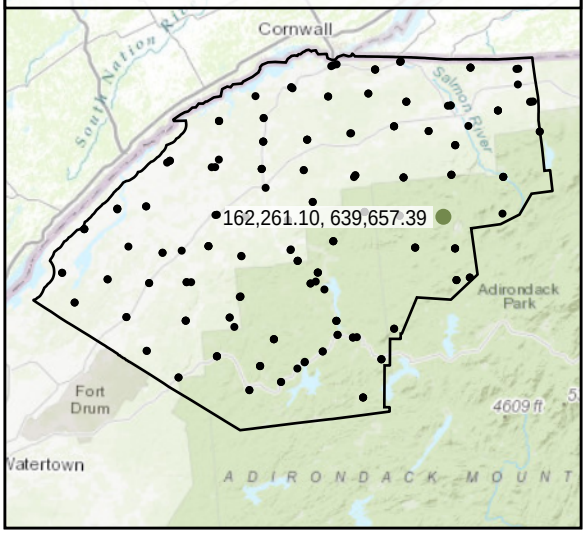
VVA - FO45

FO46				
	Known Z	443.76 m	Point Density	2.16 ppsm
	DEM Dz	0.16 m	Ground Density	0.28 ppsm
	Raw TIN Dz	N/A	Slope	0.49 °

DEM Dz +0.16 m

VVA - FO46

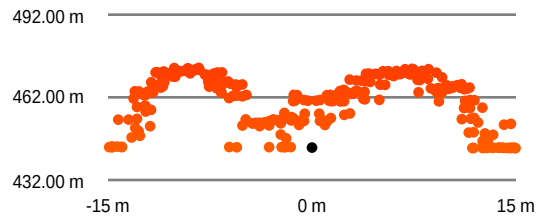
Project Context



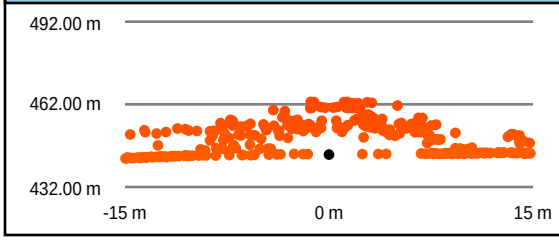
World Imagery



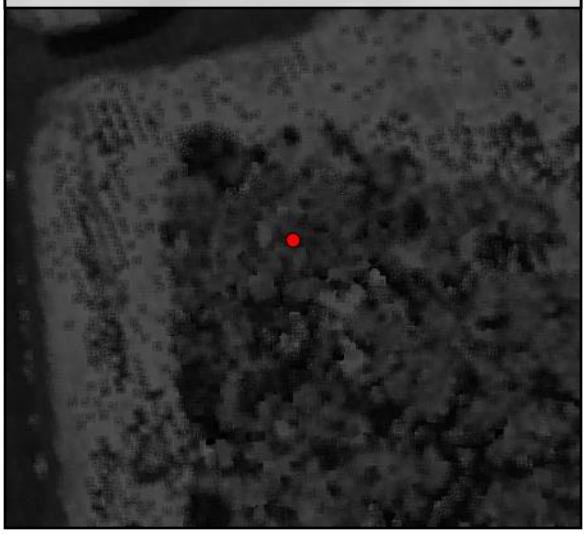
West to East



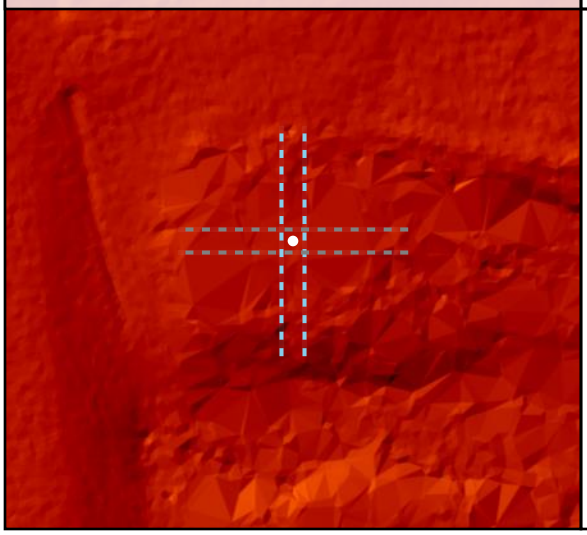
South to North



Intensity Raster



TIN Surface

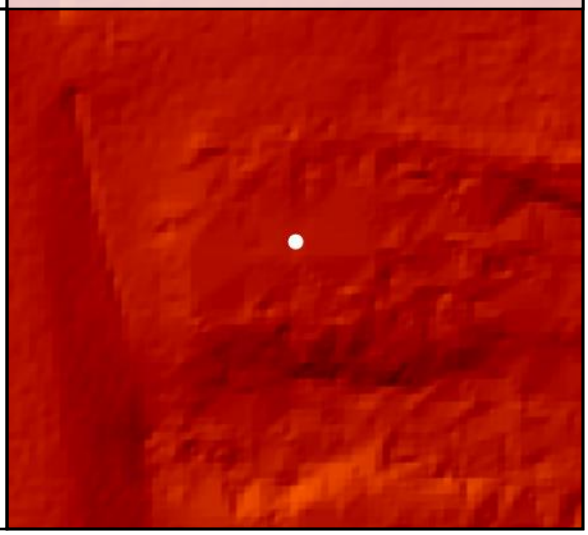


Project Elevation

530.34

48.98

DEM Surface

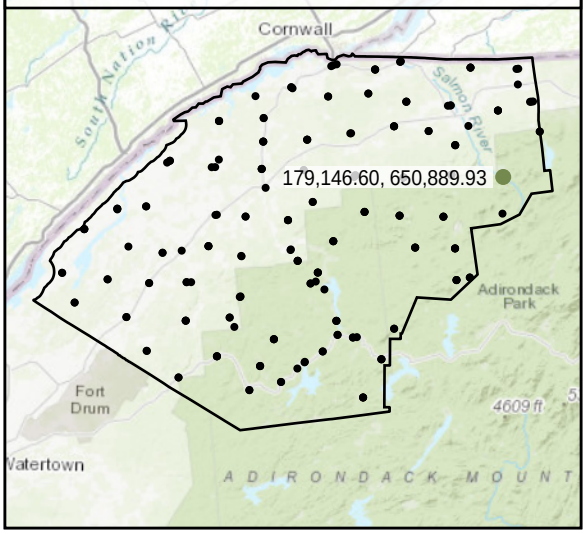


FO47				
	Known Z	462.06 m	Point Density	1.91 ppsm
	DEM Dz	0.07 m	Ground Density	0.99 ppsm
	Raw TIN Dz	N/A	Slope	1.48 °

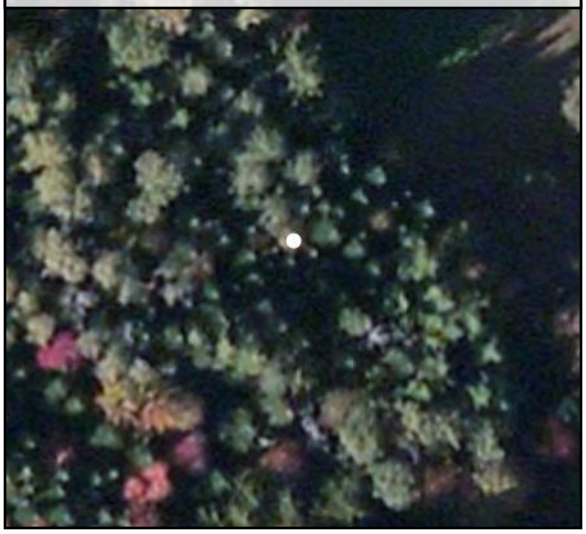
DEM Dz +0.07 m

VVA - FO47

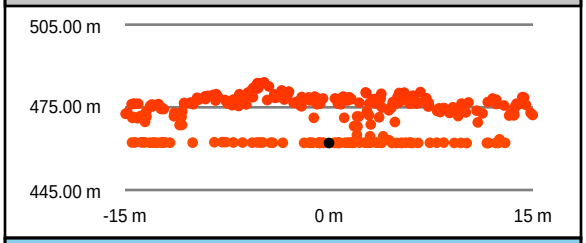
Project Context



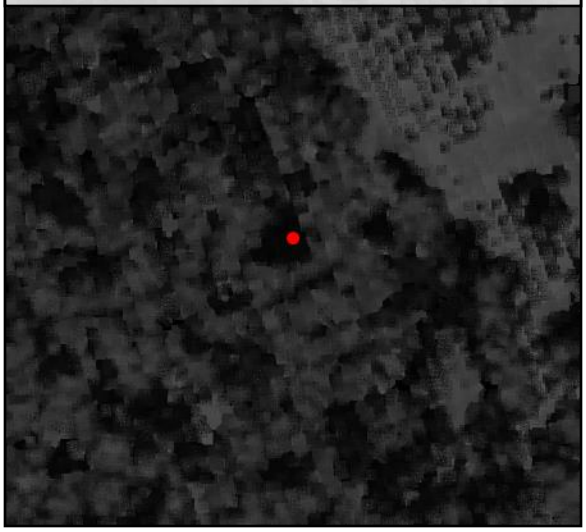
World Imagery



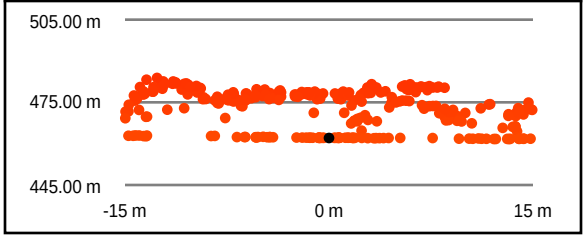
Southeast to Northwest



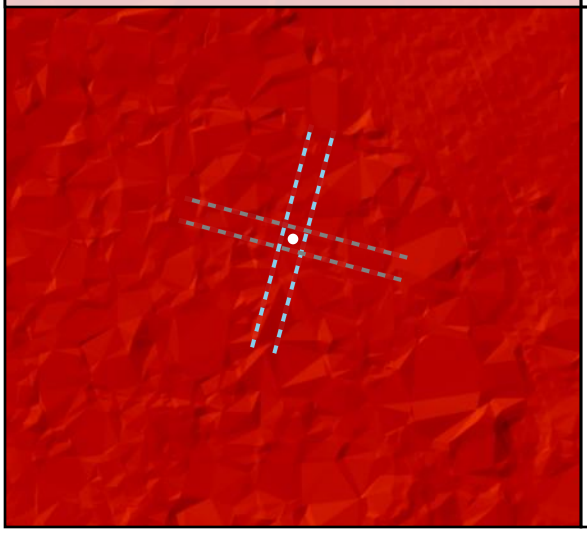
Intensity Raster



Southwest to Northeast



TIN Surface

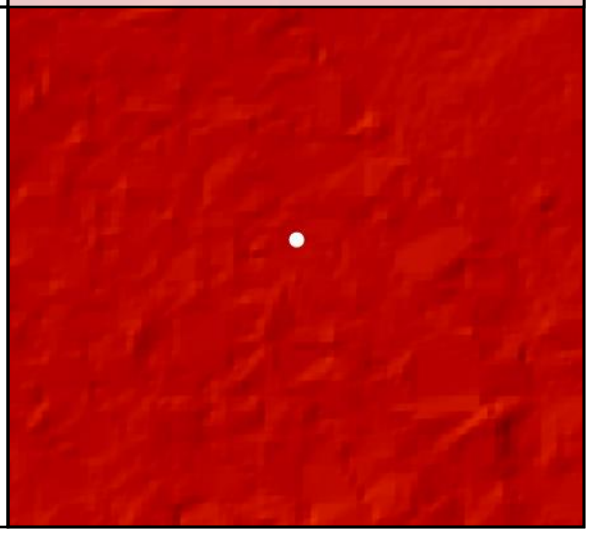


Project Elevation

530.34

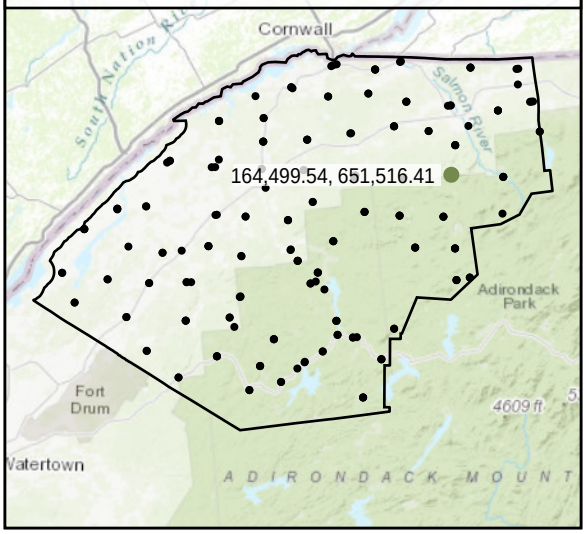
48.98

DEM Surface



FO48				
	Known Z	463.32 m	Point Density	2.48 ppsm
	DEM Dz	0.05 m	Ground Density	1.84 ppsm
	Raw TIN Dz	N/A	Slope	2.73 °

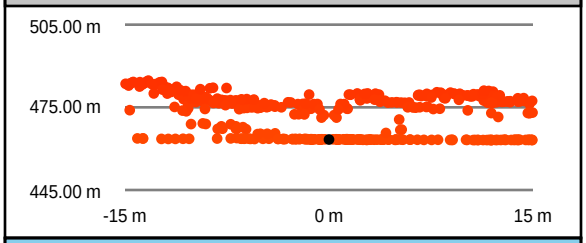
Project Context



World Imagery



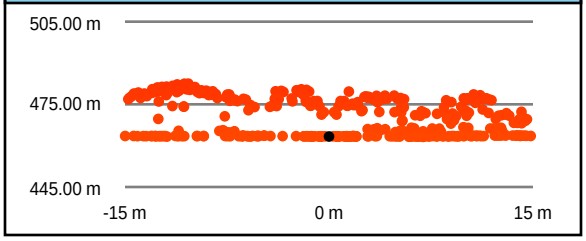
Southeast to Northwest



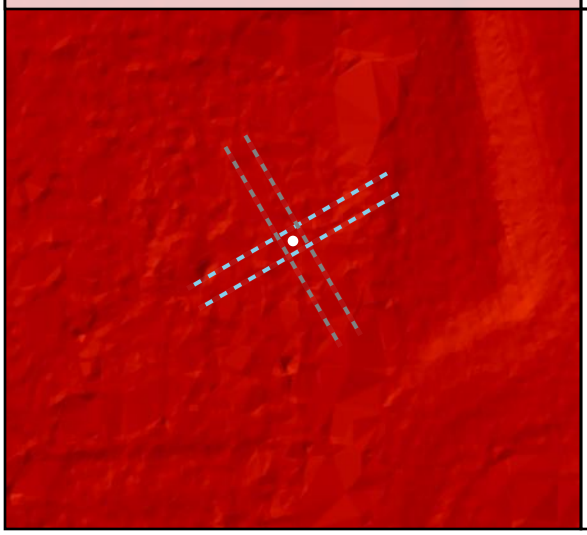
Intensity Raster



Southwest to Northeast



TIN Surface

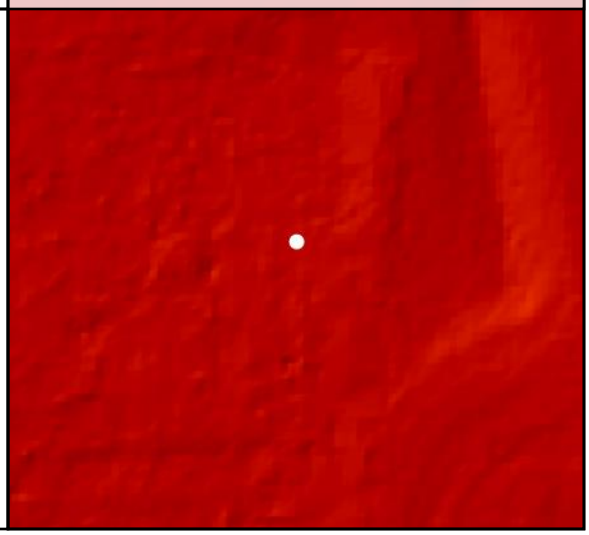


Project Elevation

530.34

48.98

DEM Surface



DEM Dz +0.05 m

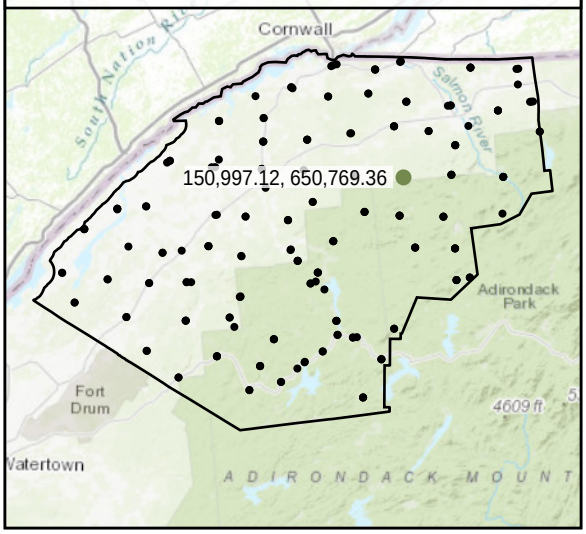
VVA - FO48

FO49				
	Known Z	422.41 m	Point Density	2.16 ppsm
	DEM Dz	0.12 m	Ground Density	1.80 ppsm
	Raw TIN Dz	N/A	Slope	2.65 °

DEM Dz +0.12 m

VVA - FO49

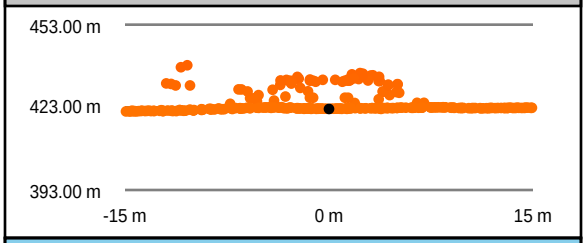
Project Context



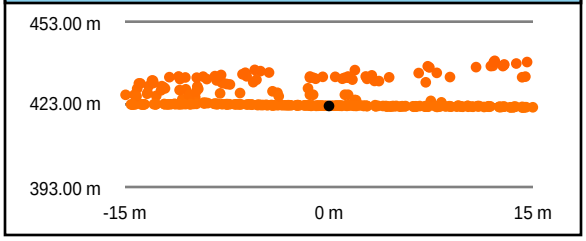
World Imagery



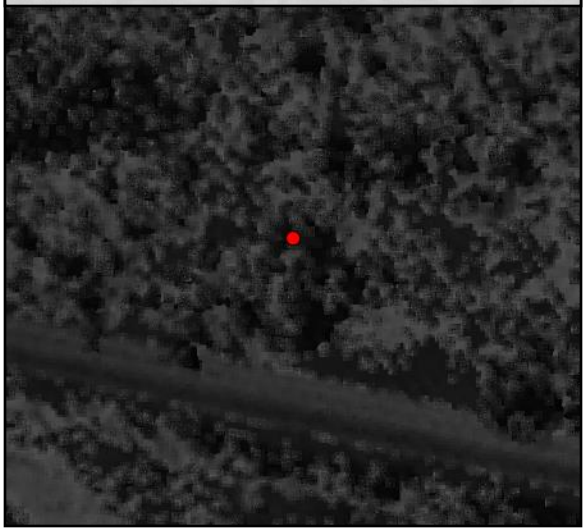
West to East



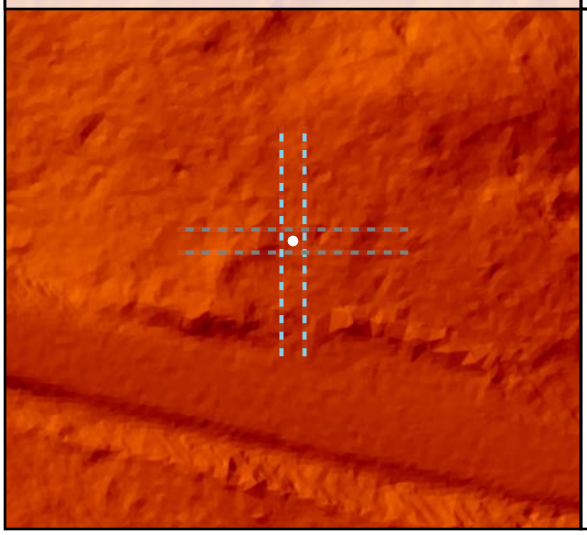
South to North



Intensity Raster



TIN Surface

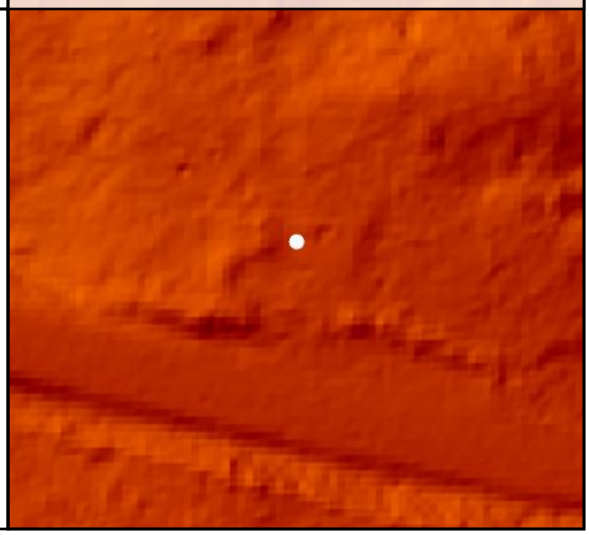


Project Elevation

530.34

48.98

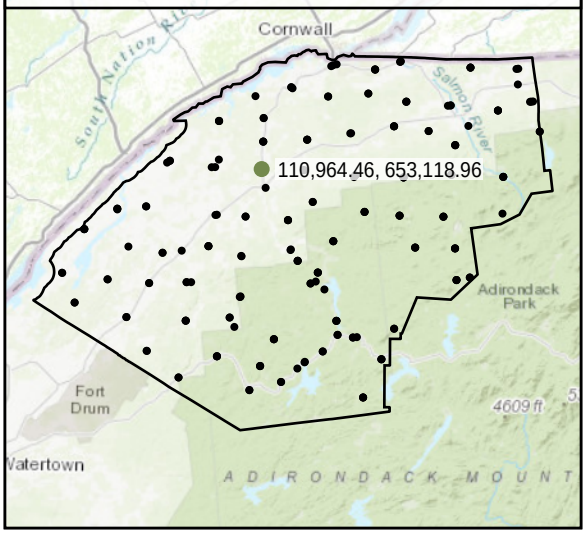
DEM Surface



FO50

Known Z	111.50 m	Point Density	3.40 ppsm
DEM Dz	0.04 m	Ground Density	2.90 ppsm
Raw TIN Dz	N/A	Slope	2.22 °

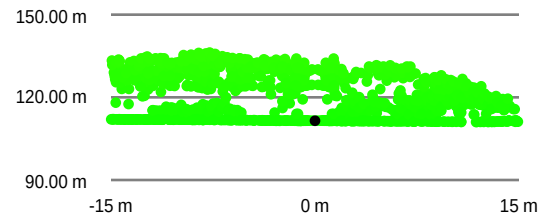
Project Context



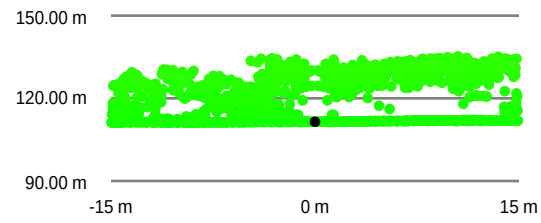
World Imagery



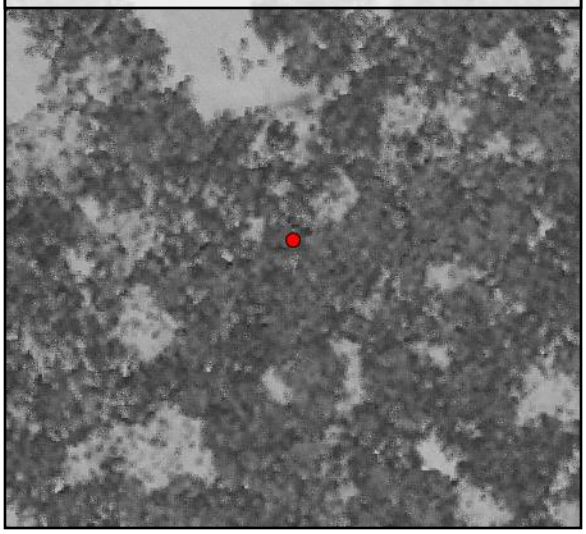
South to North



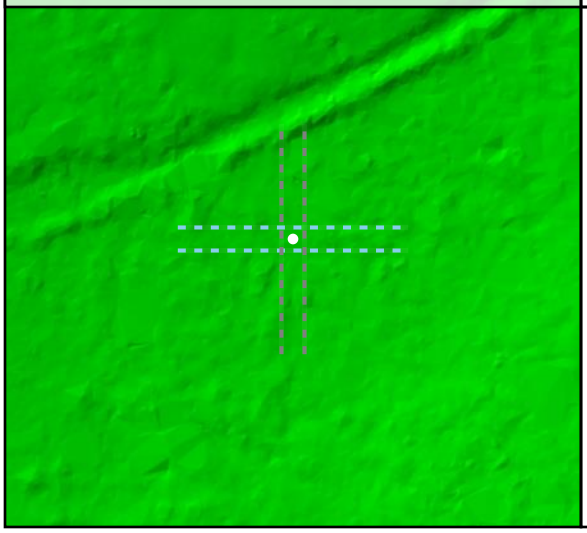
West to East



Intensity Raster



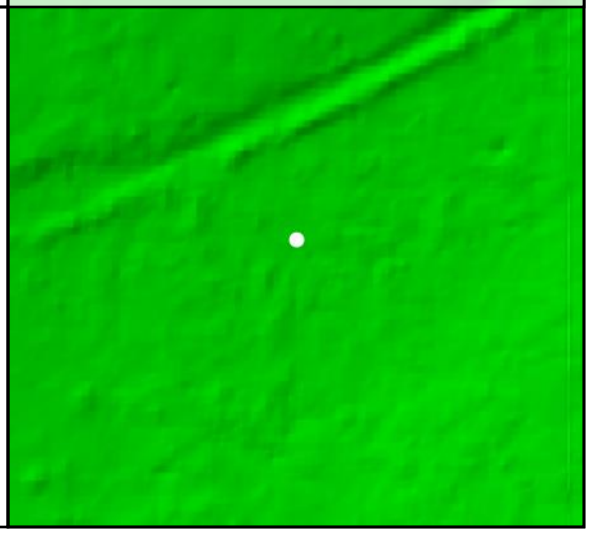
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.04 m

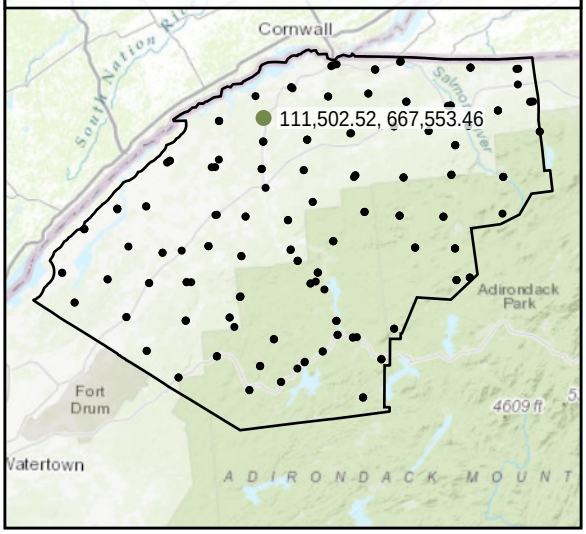
VVA - FO50

FO51				
	Known Z	72.38 m	Point Density	2.90 ppsm
	DEM Dz	0.03 m	Ground Density	3.32 ppsm
	Raw TIN Dz	N/A	Slope	1.47 °

DEM Dz +0.03 m

VVA - FO51

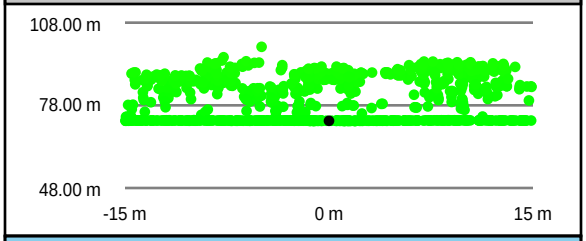
Project Context



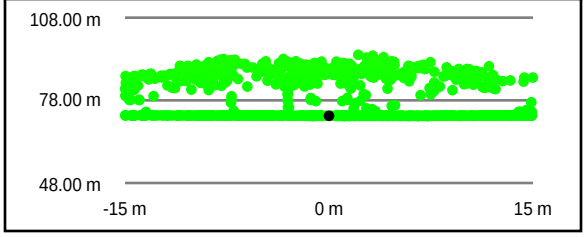
World Imagery



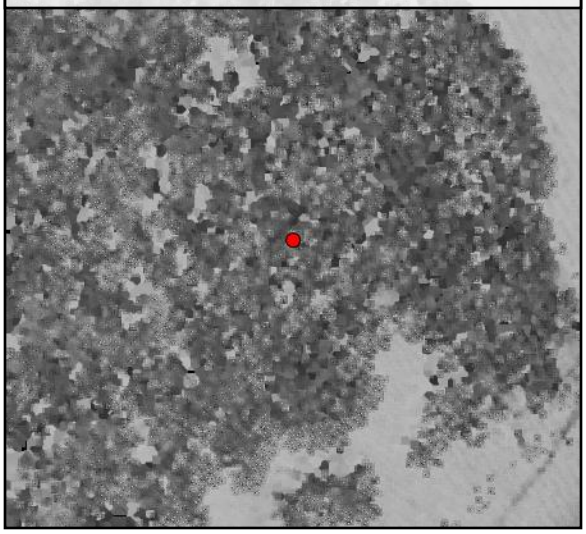
Southwest to Northeast



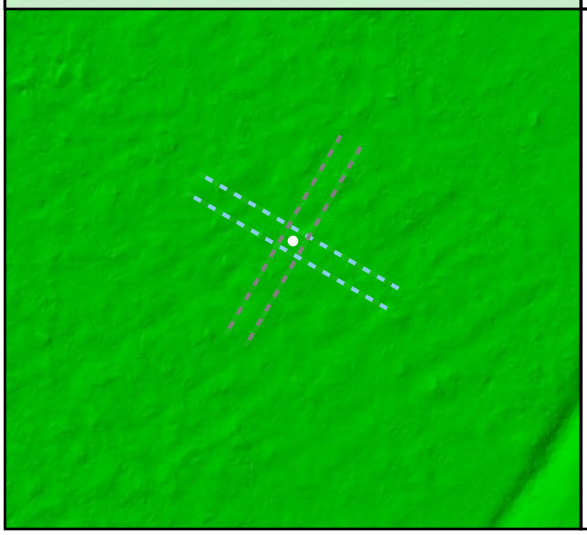
Southeast to Northwest



Intensity Raster



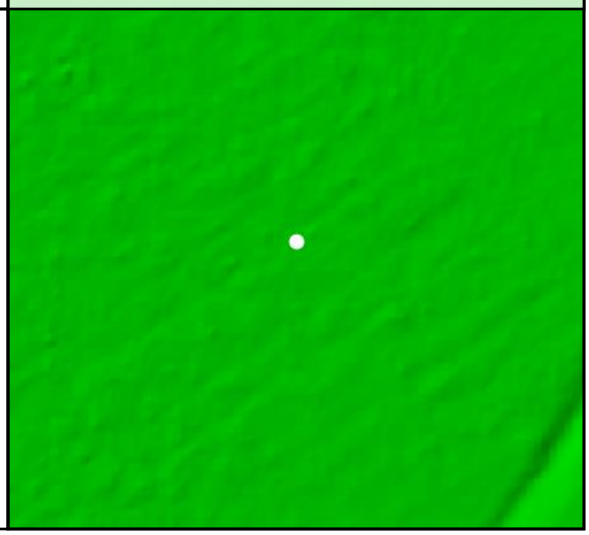
TIN Surface



Project Elevation

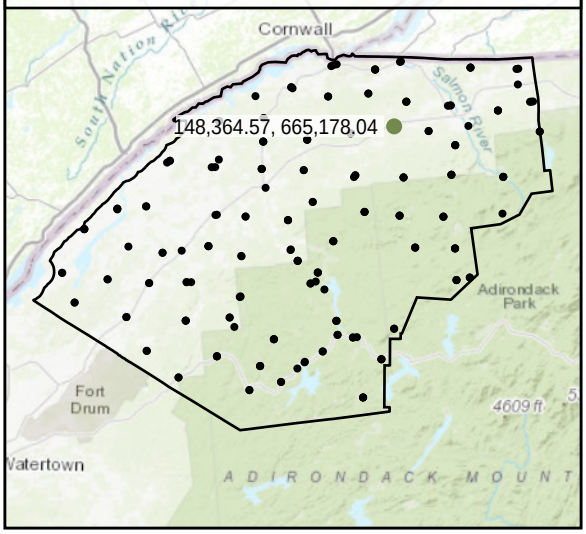


DEM Surface

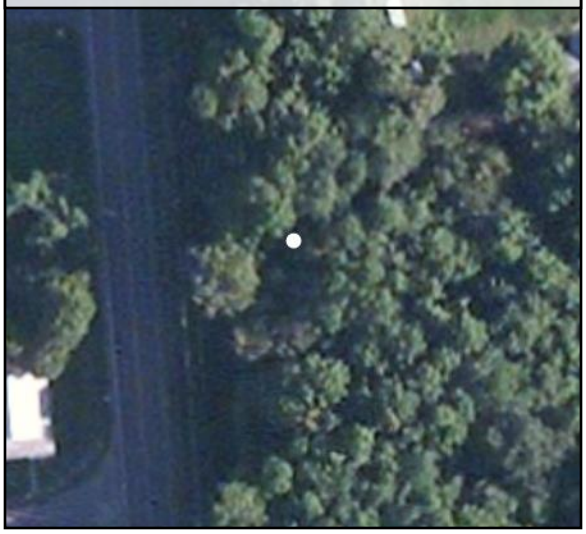


FO52				
	Known Z	138.37 m	Point Density	2.09 ppsm
	DEM Dz	-0.01 m	Ground Density	2.26 ppsm
	Raw TIN Dz	N/A	Slope	3.62 °

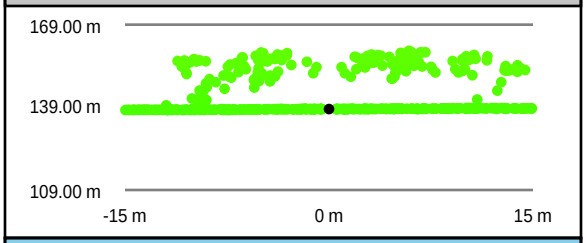
Project Context



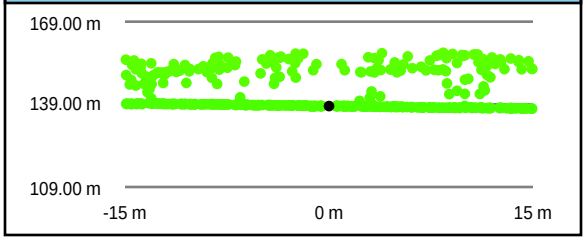
World Imagery



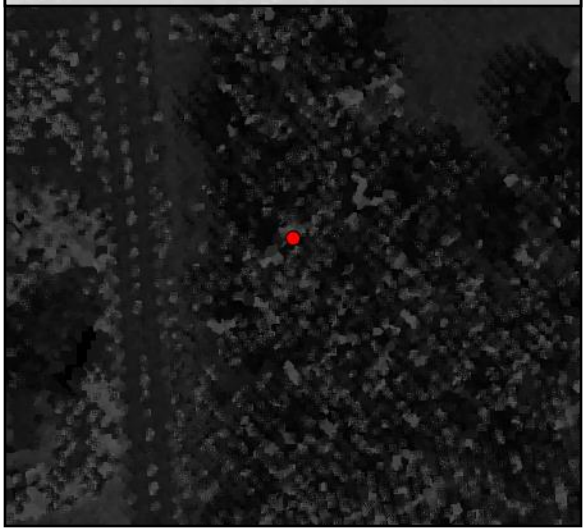
West to East



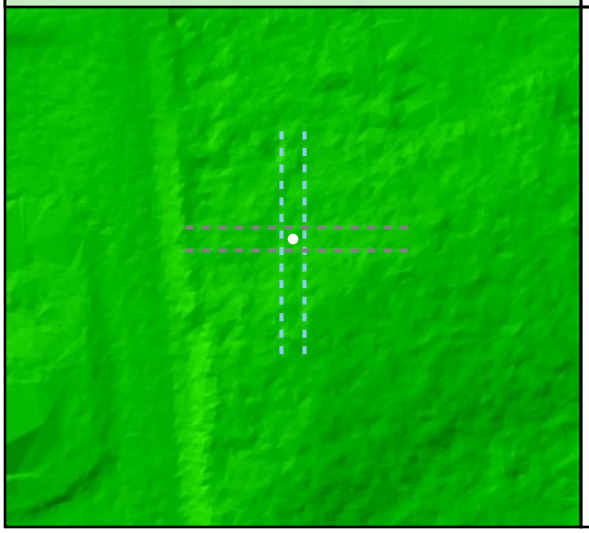
South to North



Intensity Raster



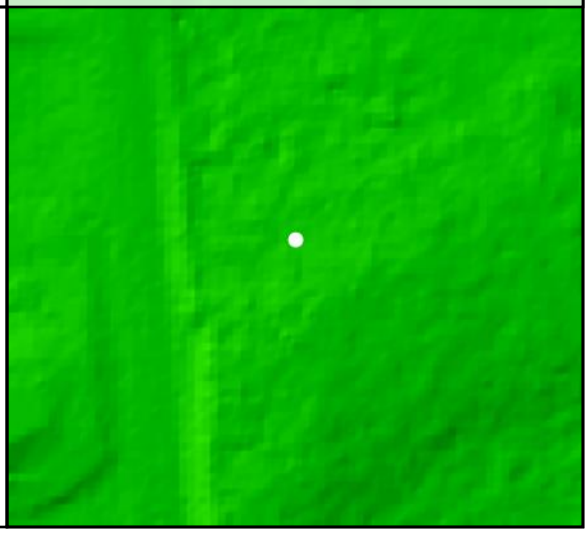
TIN Surface



Project Elevation



DEM Surface



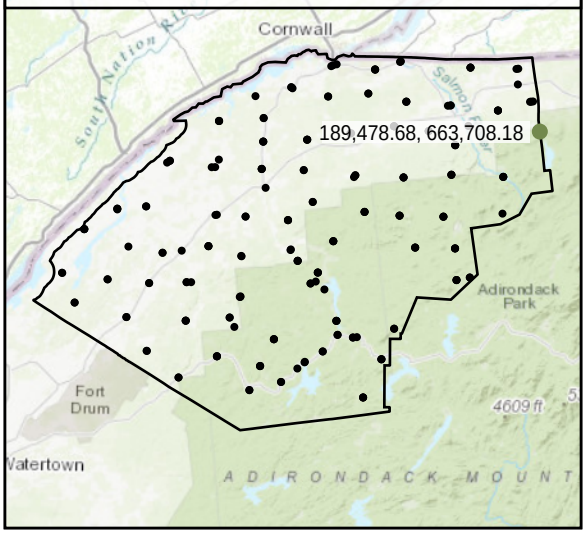
DEM Dz -0.01 m

VVA - FO52

FO53

Known Z	406.91 m	Point Density	2.30 ppsm
DEM Dz	0.21 m	Ground Density	1.03 ppsm
Raw TIN Dz	N/A	Slope	4.83 °

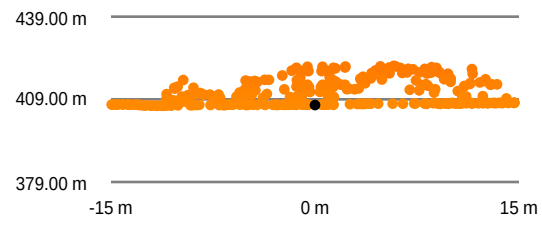
Project Context



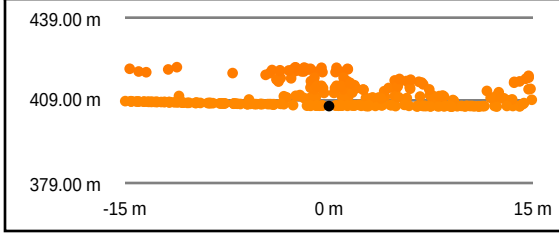
World Imagery



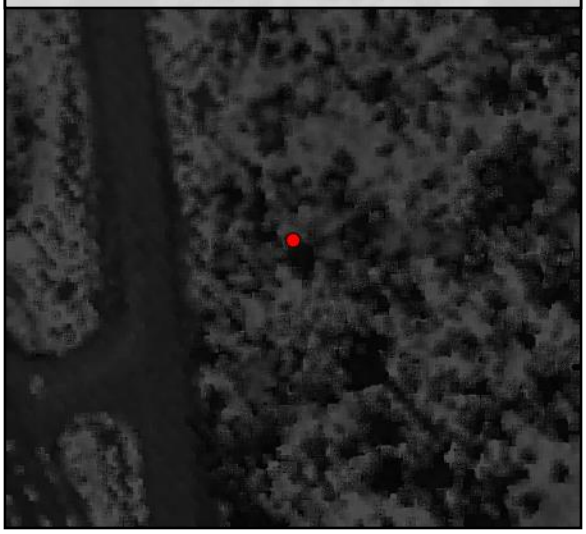
Southwest to Northeast



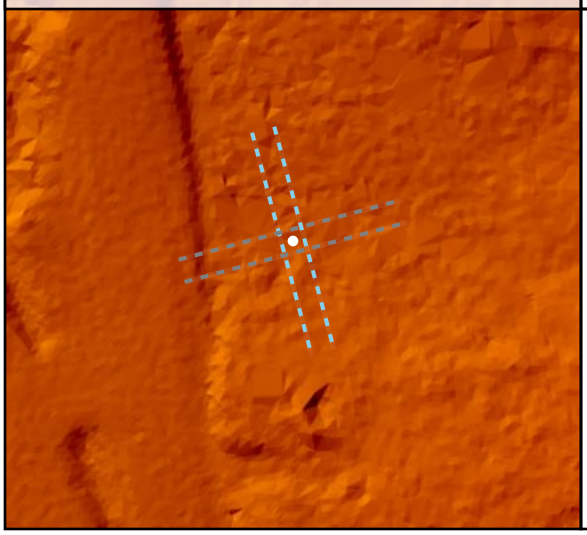
Southeast to Northwest



Intensity Raster



TIN Surface

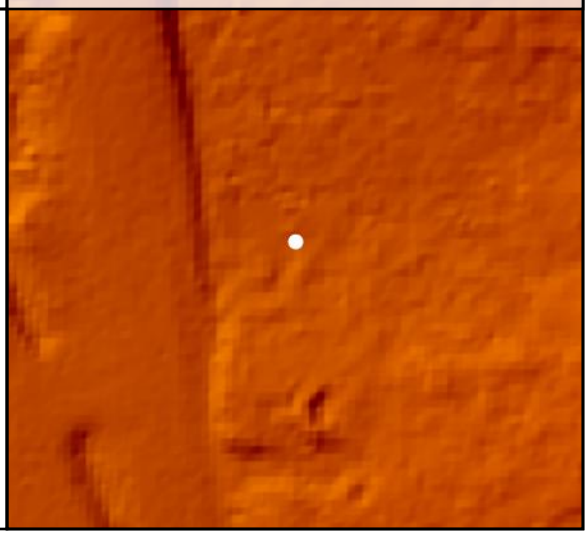


Project Elevation

530.34

71.2

DEM Surface



DEM Dz +0.21 m

VVA - FO53

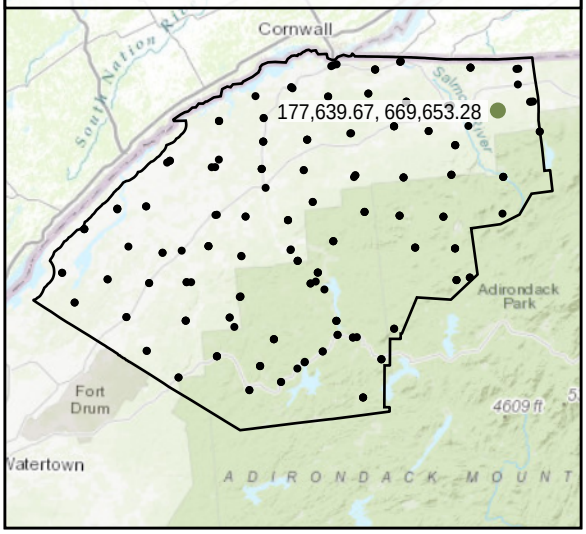
FO54

Known Z	362.70 m	Point Density	2.94 ppsm
DEM Dz	0.02 m	Ground Density	2.44 ppsm
Raw TIN Dz	N/A	Slope	1.19 °

DEM Dz +0.02 m

VVA - FO54

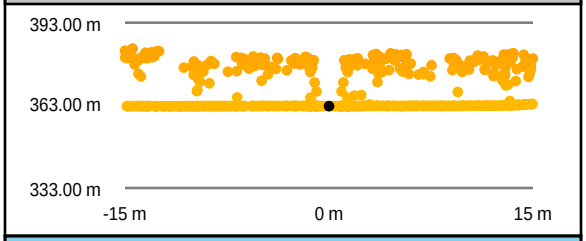
Project Context



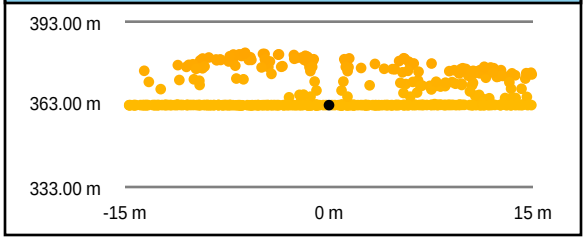
World Imagery



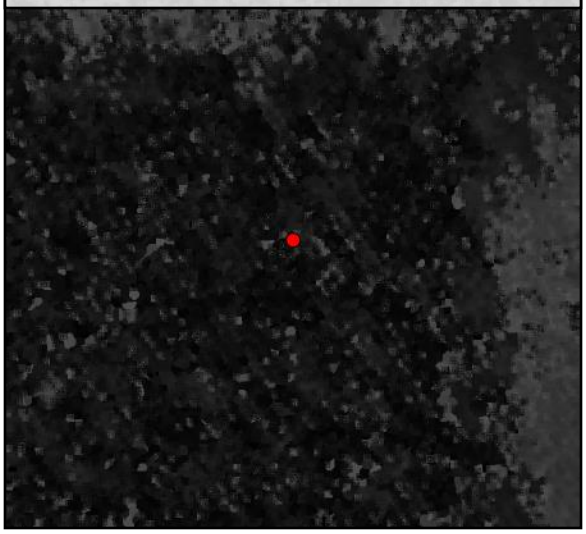
West to East



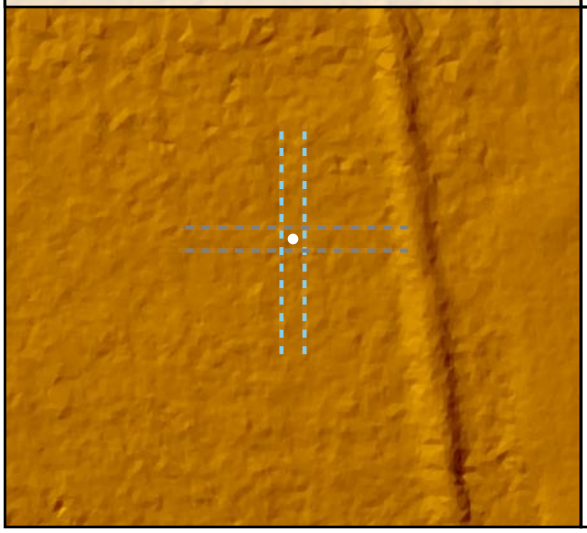
South to North



Intensity Raster



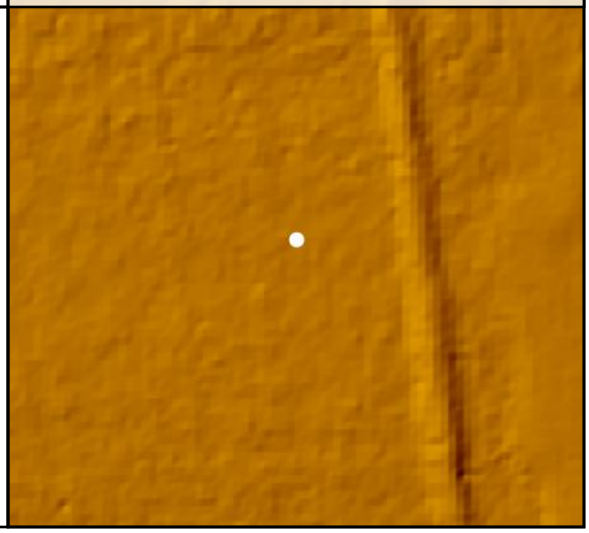
TIN Surface



Project Elevation



DEM Surface

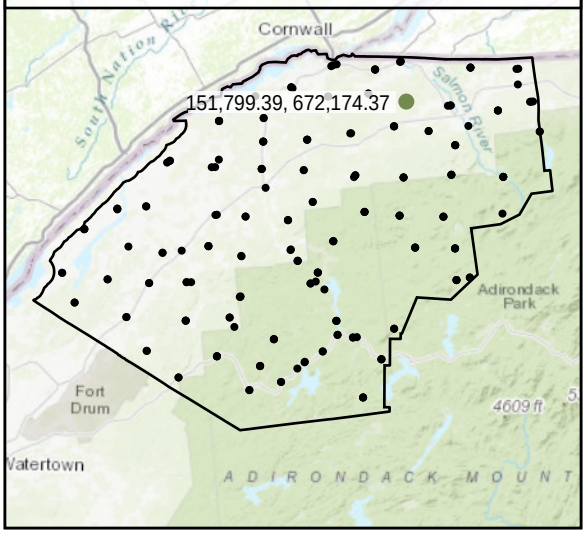


FO55				
	Known Z	90.75 m	Point Density	3.43 ppsm
	DEM Dz	0.08 m	Ground Density	2.62 ppsm
	Raw TIN Dz	N/A	Slope	2.70 °

DEM Dz +0.08 m

VVA - FO55

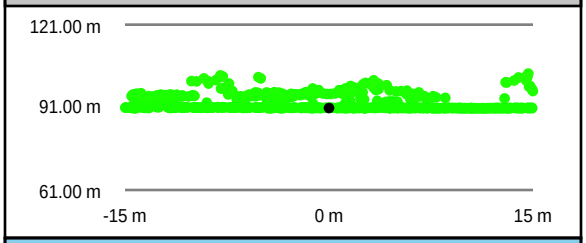
Project Context



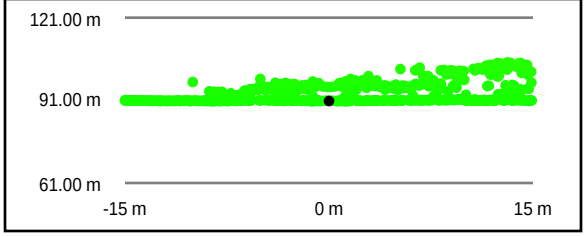
World Imagery



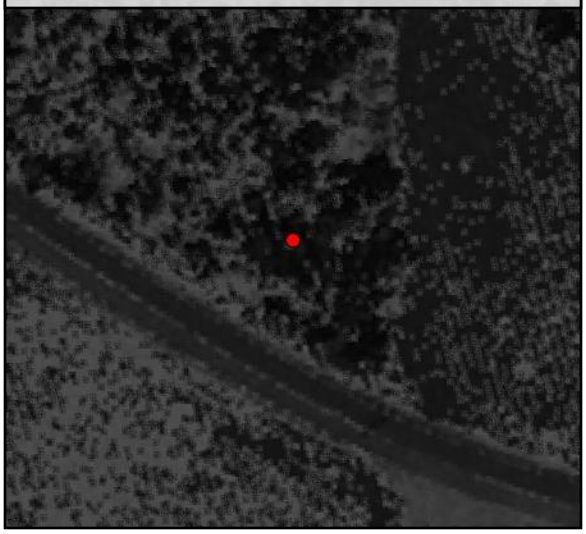
Southeast to Northwest



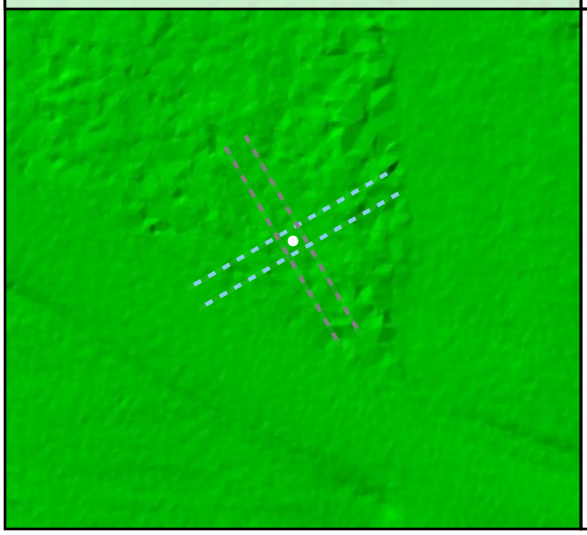
Southwest to Northeast



Intensity Raster



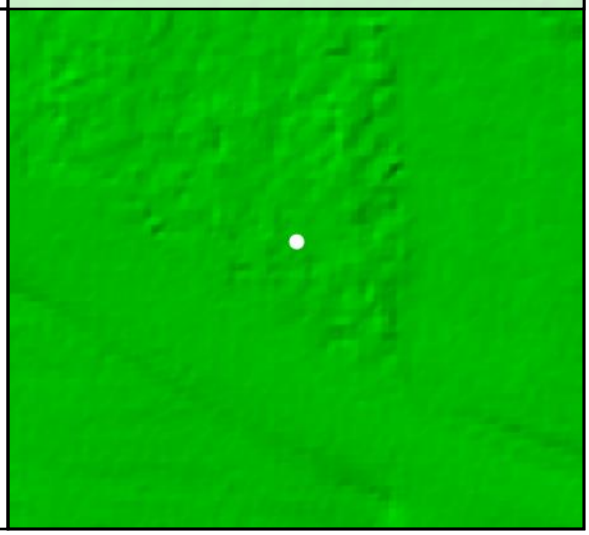
TIN Surface



Project Elevation

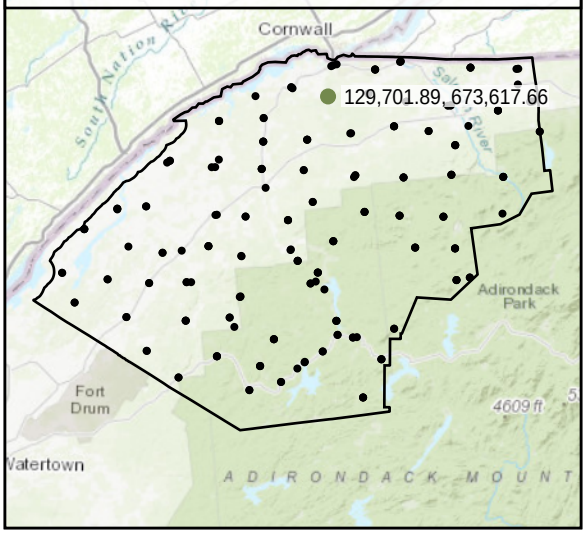


DEM Surface

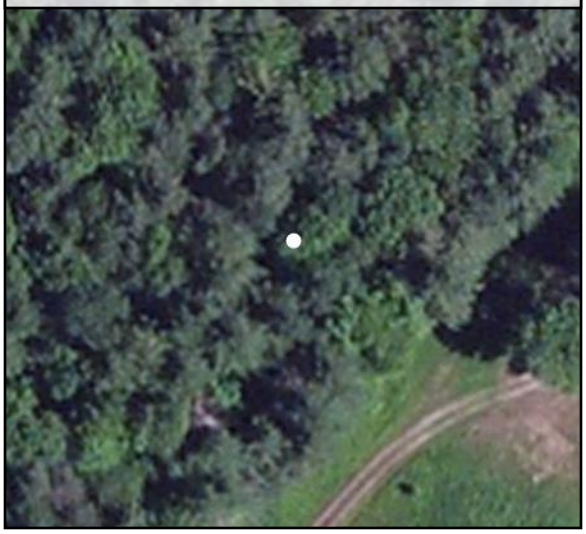


FO56				
	Known Z	66.25 m	Point Density	2.86 ppsm
	DEM Dz	0.02 m	Ground Density	1.80 ppsm
	Raw TIN Dz	N/A	Slope	1.79 °

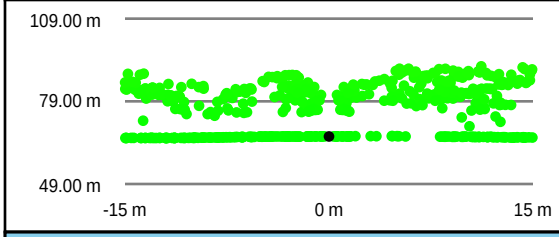
Project Context



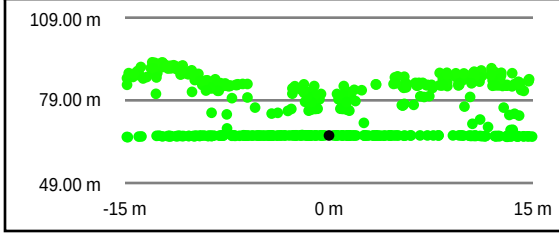
World Imagery



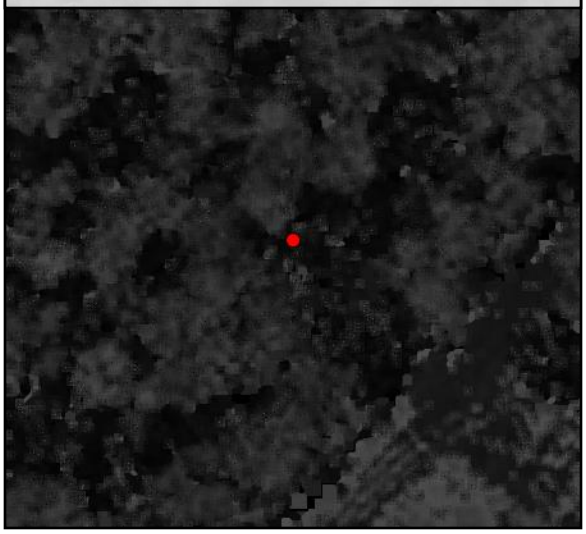
Southeast to Northwest



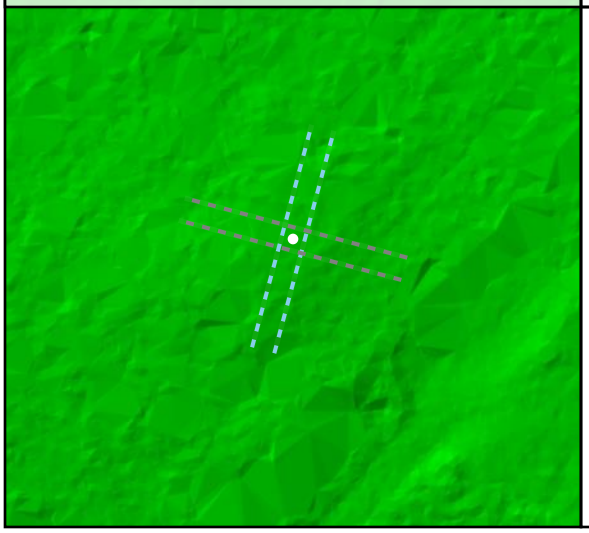
Southwest to Northeast



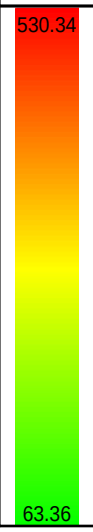
Intensity Raster



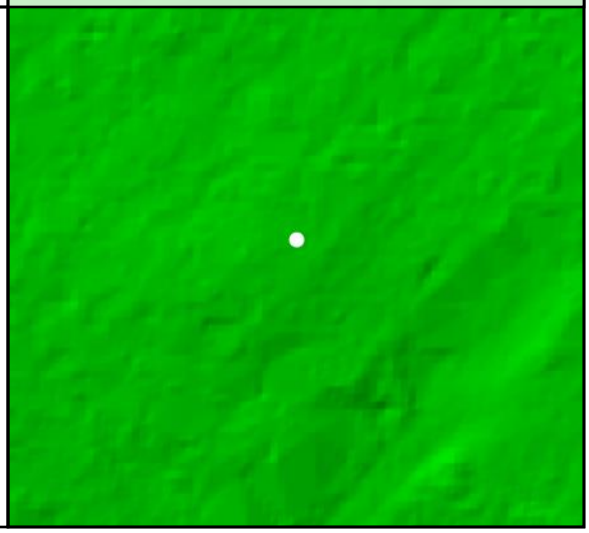
TIN Surface



Project Elevation



DEM Surface

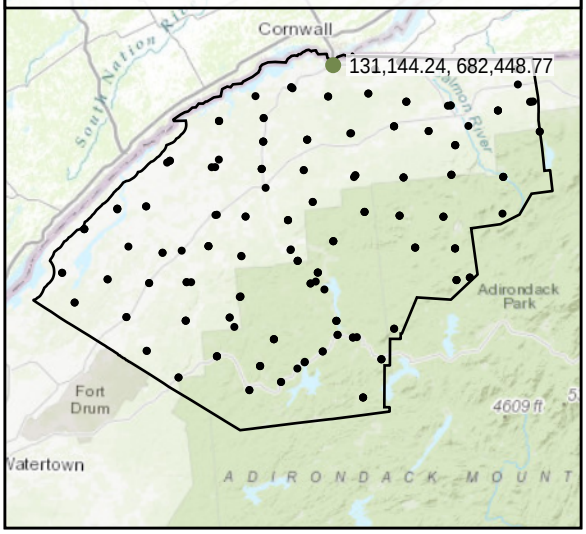


FO57				
	Known Z	56.49 m	Point Density	2.37 ppsm
	DEM Dz	0.17 m	Ground Density	2.26 ppsm
	Raw TIN Dz	N/A	Slope	2.73 °

DEM Dz +0.17 m

VVA - FO57

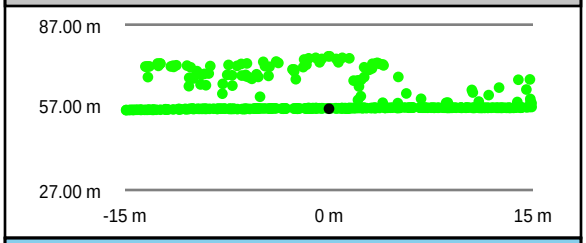
Project Context



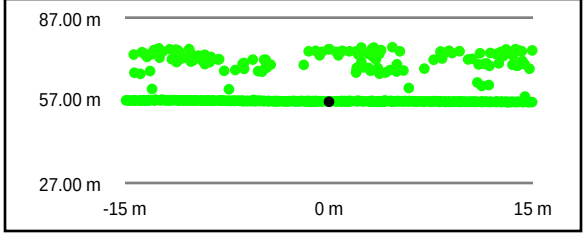
World Imagery



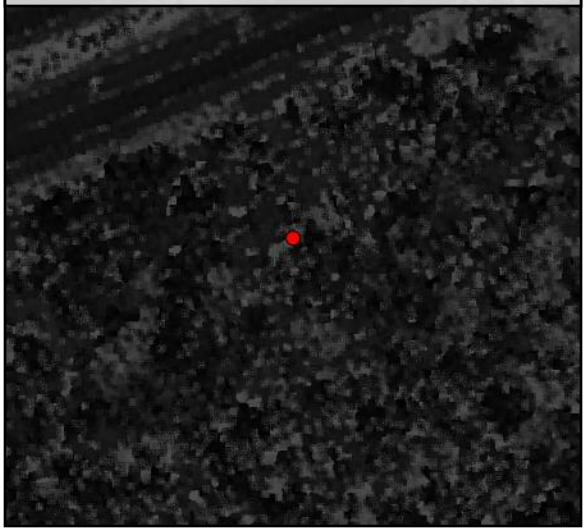
South to North



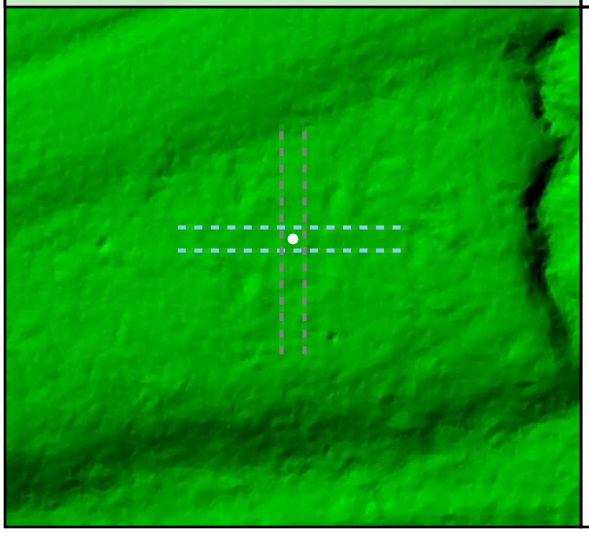
West to East



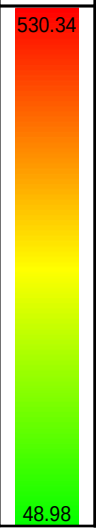
Intensity Raster



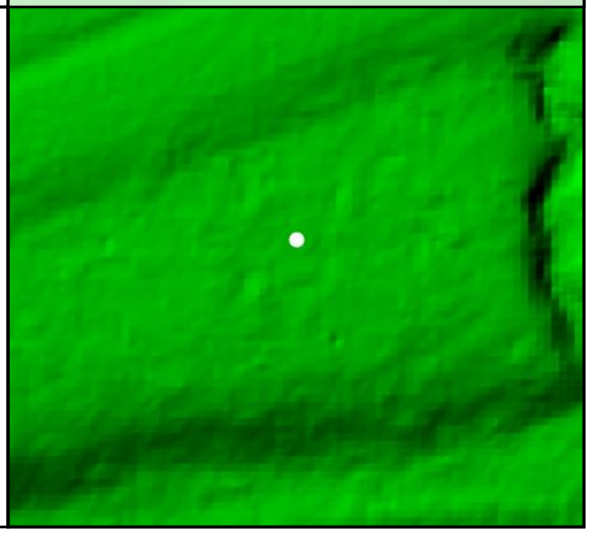
TIN Surface



Project Elevation



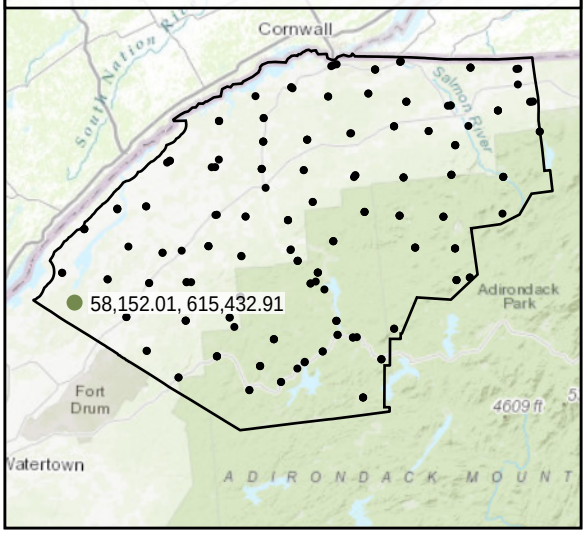
DEM Surface



FO58

Known Z	93.52 m	Point Density	3.75 ppsm
DEM Dz	0.07 m	Ground Density	5.31 ppsm
Raw TIN Dz	N/A	Slope	2.05 °

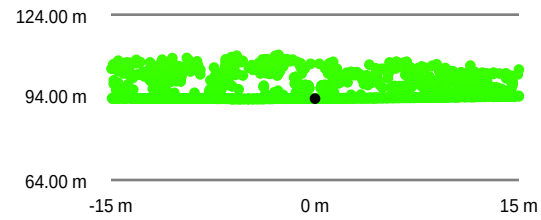
Project Context



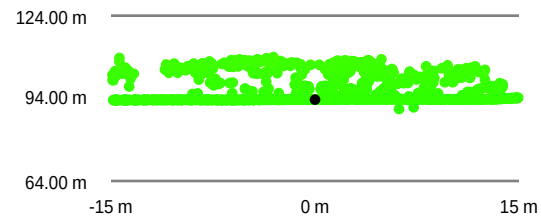
World Imagery



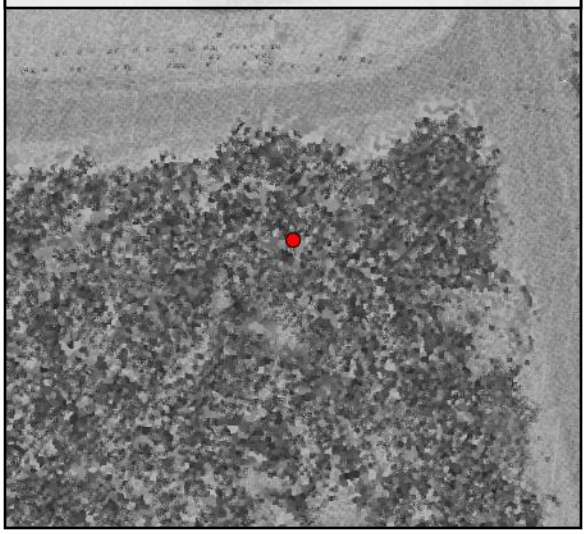
Southeast to Northwest



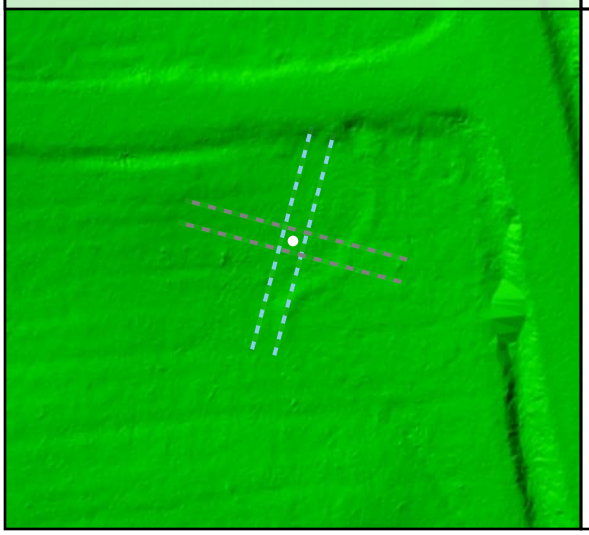
Southwest to Northeast



Intensity Raster



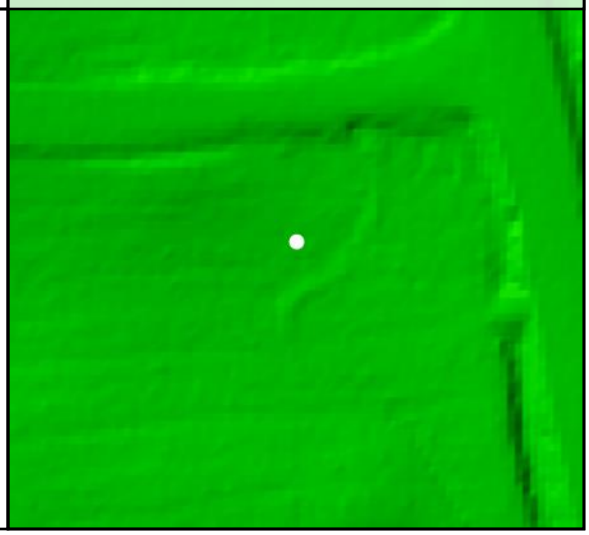
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.07 m

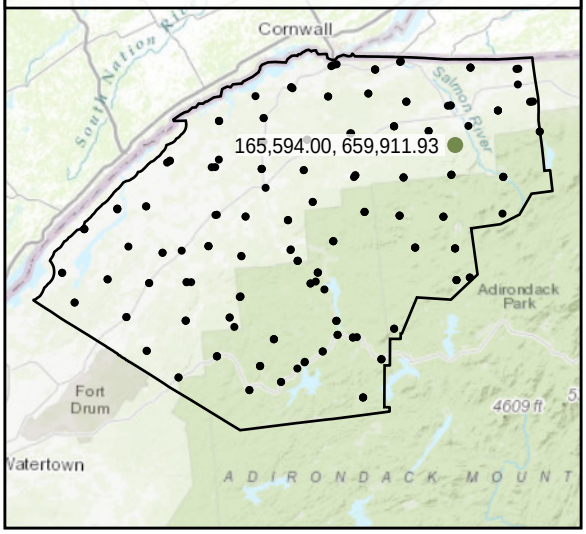
VVA - FO58

FO59				
	Known Z	386.15 m	Point Density	3.78 ppsm
	DEM Dz	0.20 m	Ground Density	2.12 ppsm
	Raw TIN Dz	N/A	Slope	7.64 °

DEM Dz +0.20 m

VVA - FO59

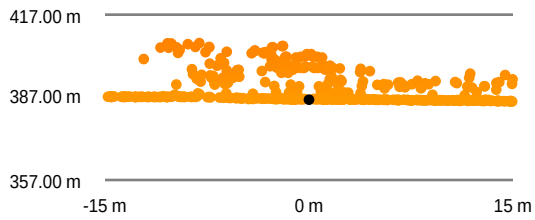
Project Context



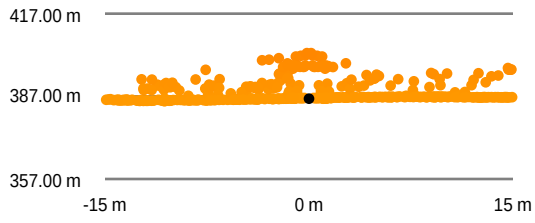
World Imagery



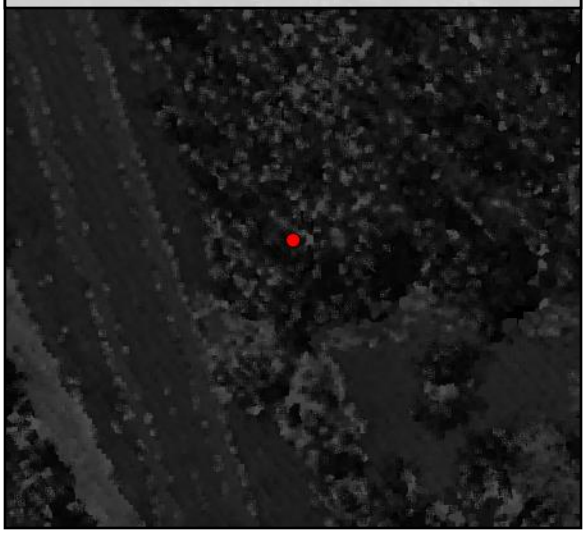
Southeast to Northwest



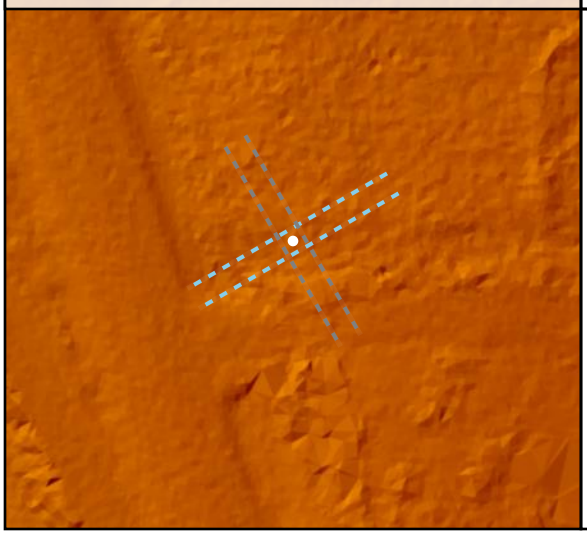
Southwest to Northeast



Intensity Raster



TIN Surface

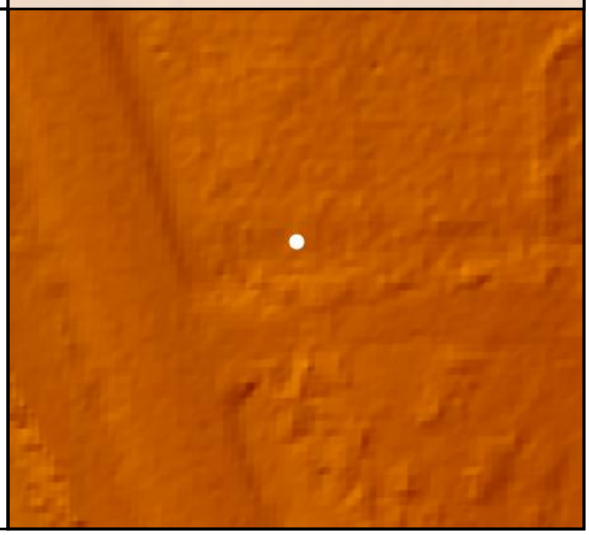


Project Elevation

530.34

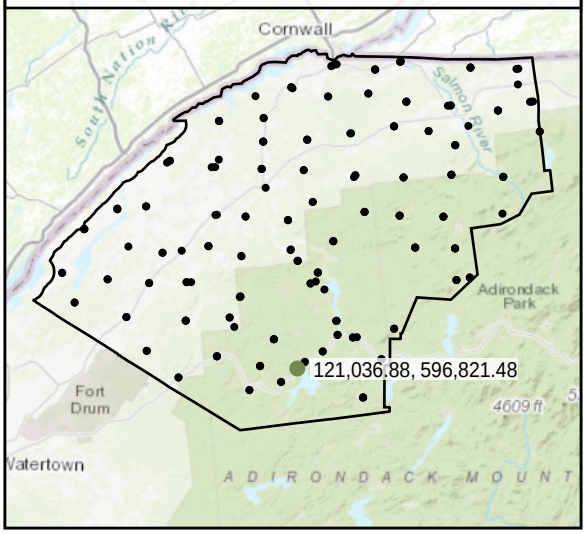
48.98

DEM Surface



SH05				
	Known Z	450.76 m	Point Density	3.54 ppsm
	DEM Dz	0.13 m	Ground Density	3.08 ppsm
	Raw TIN Dz	N/A	Slope	1.45 °

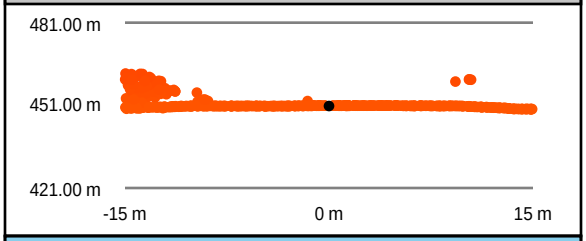
Project Context



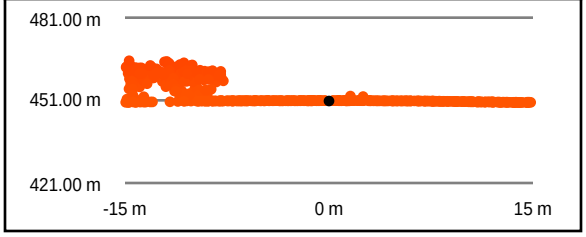
World Imagery



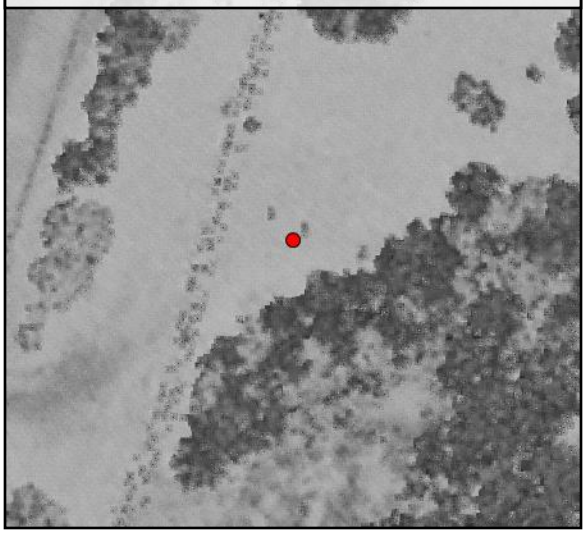
Southeast to Northwest



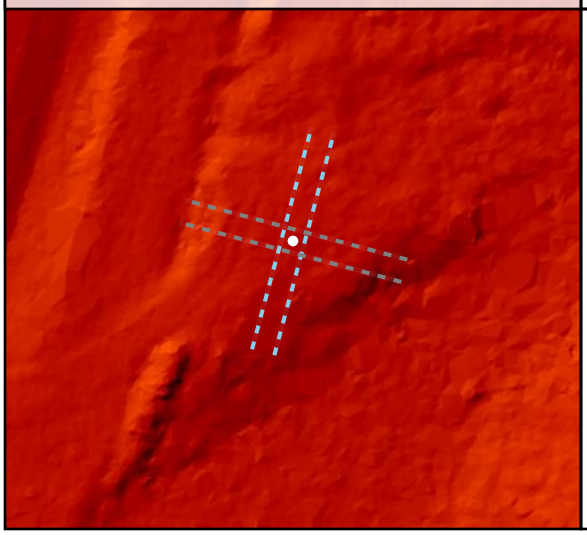
Southwest to Northeast



Intensity Raster



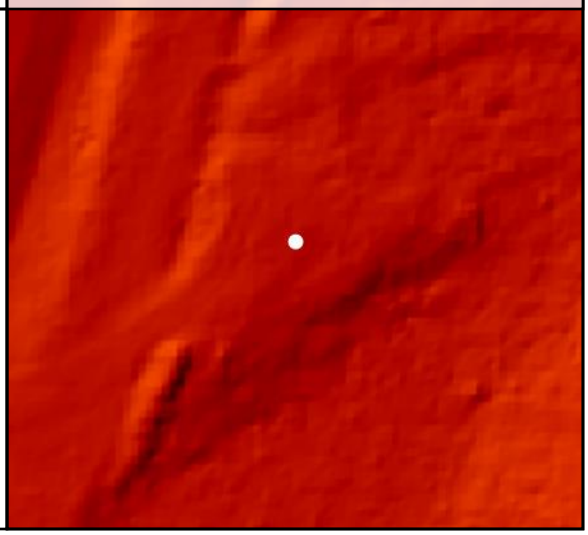
TIN Surface



Project Elevation



DEM Surface

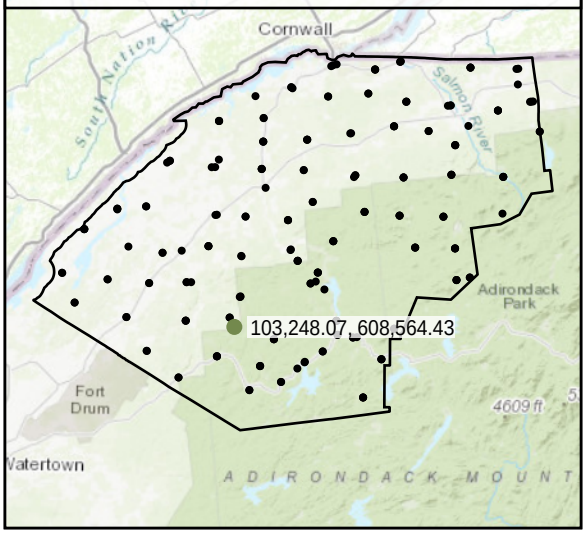


DEM Dz +0.13 m

VVA - SH05

SH06				
	Known Z	282.59 m	Point Density	2.83 ppsm
	DEM Dz	0.25 m	Ground Density	2.09 ppsm
	Raw TIN Dz	N/A	Slope	2.02 °

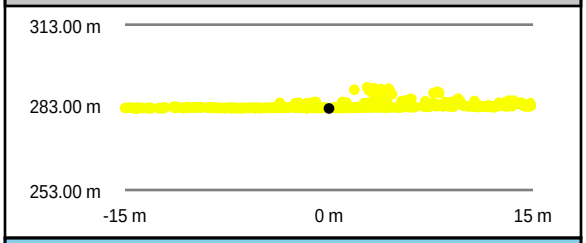
Project Context



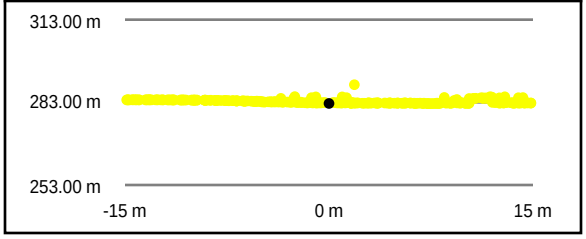
World Imagery



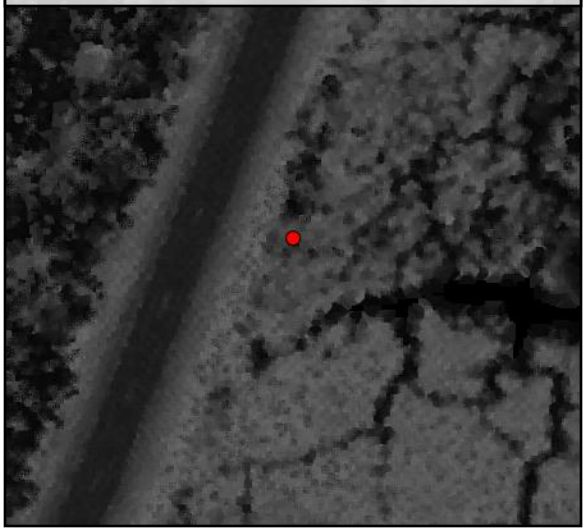
South to North



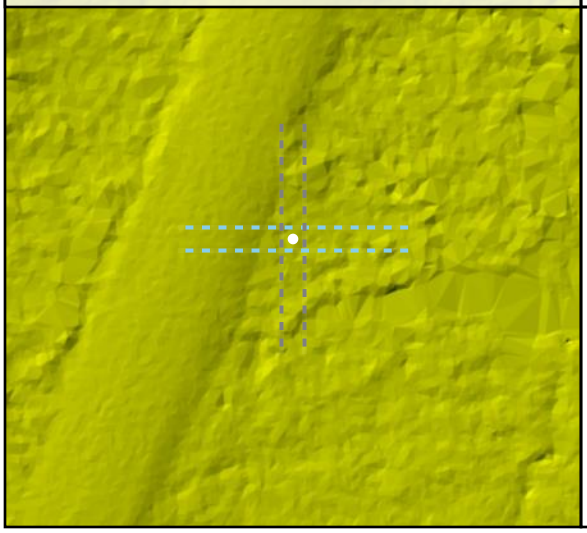
West to East



Intensity Raster



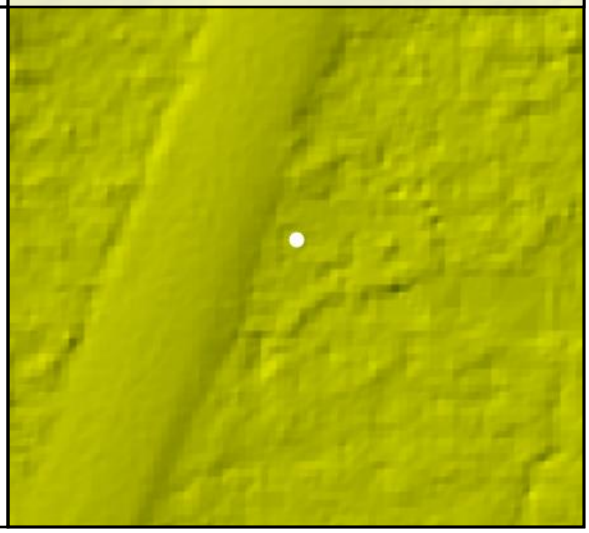
TIN Surface



Project Elevation

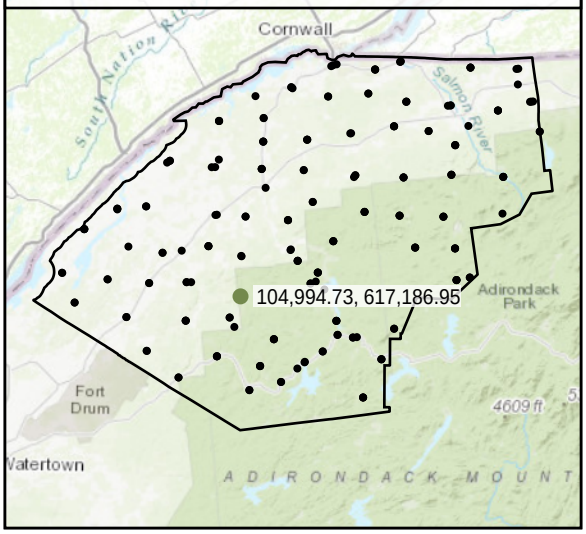


DEM Surface



SH07				
	Known Z	247.55 m	Point Density	2.37 ppsm
	DEM Dz	0.61 m	Ground Density	1.49 ppsm
	Raw TIN Dz	N/A	Slope	4.05 °

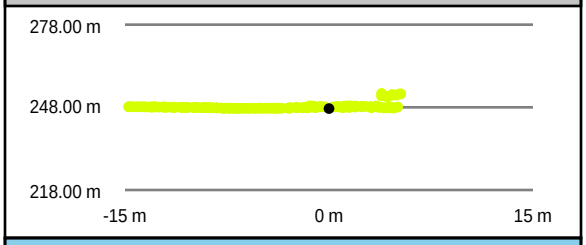
Project Context



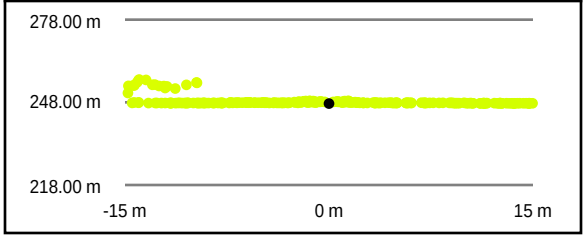
World Imagery



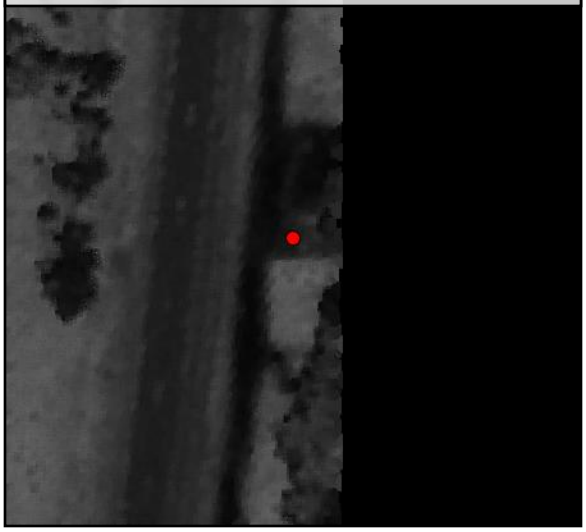
Southwest to Northeast



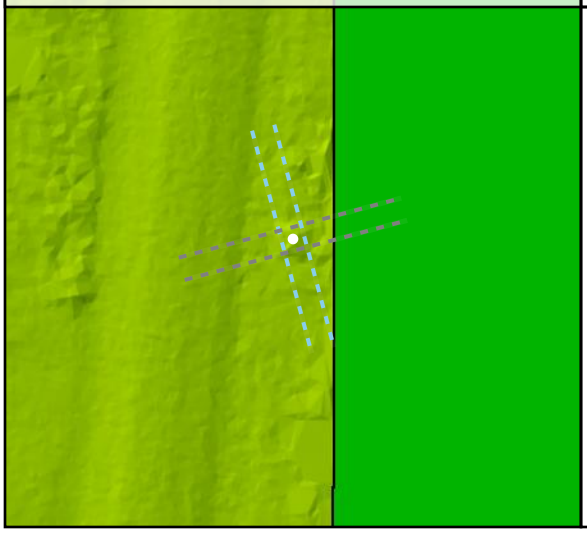
Southeast to Northwest



Intensity Raster



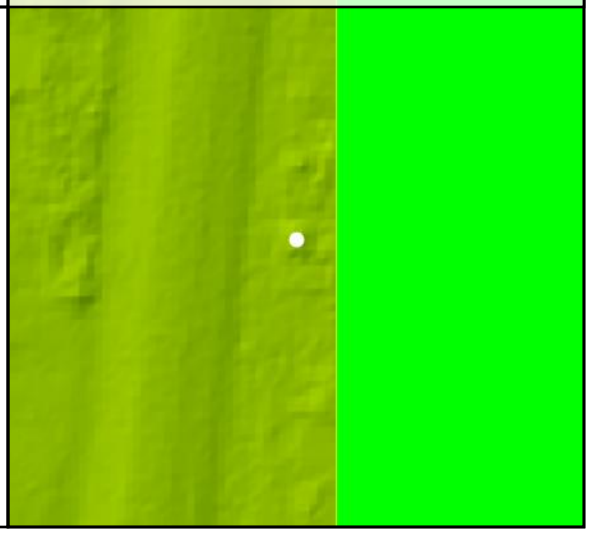
TIN Surface



Project Elevation



DEM Surface



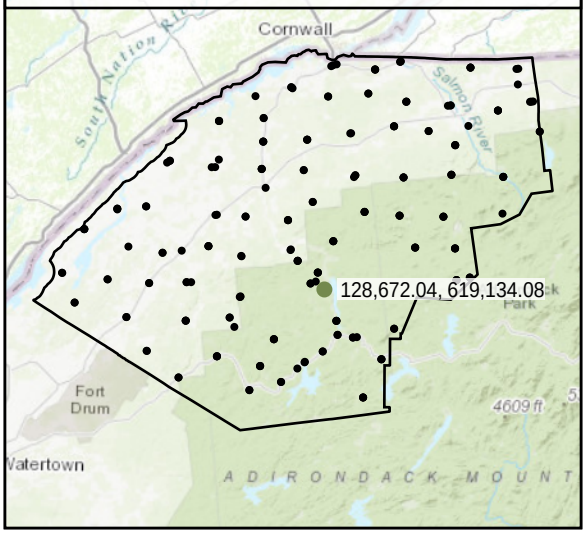
DEM Dz +0.61 m

VVA - SH07

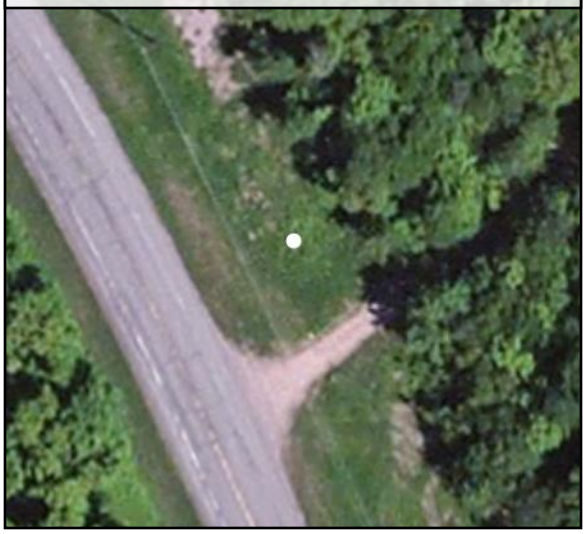
SH08a

Known Z	460.18 m	Point Density	2.51 ppsm
DEM Dz	0.13 m	Ground Density	2.30 ppsm
Raw TIN Dz	N/A	Slope	1.46 °

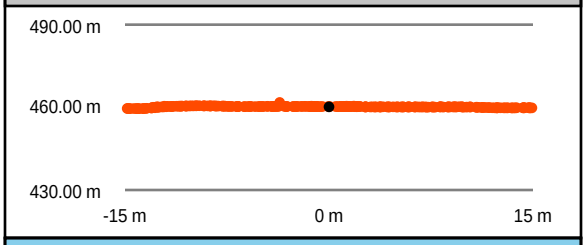
Project Context



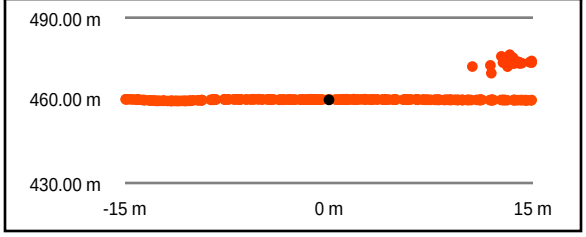
World Imagery



Southeast to Northwest



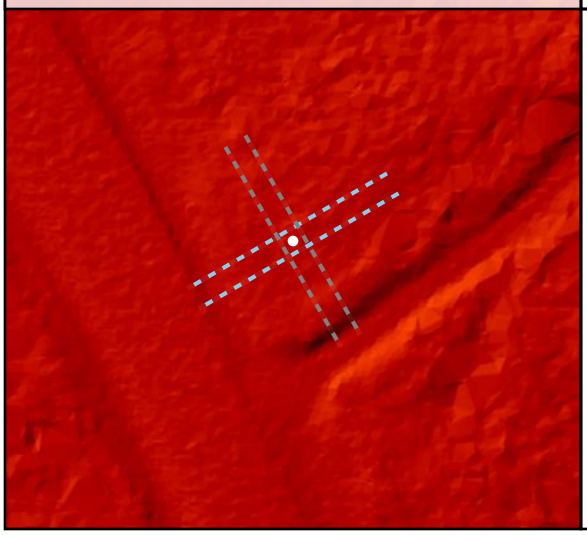
Southwest to Northeast



Intensity Raster



TIN Surface

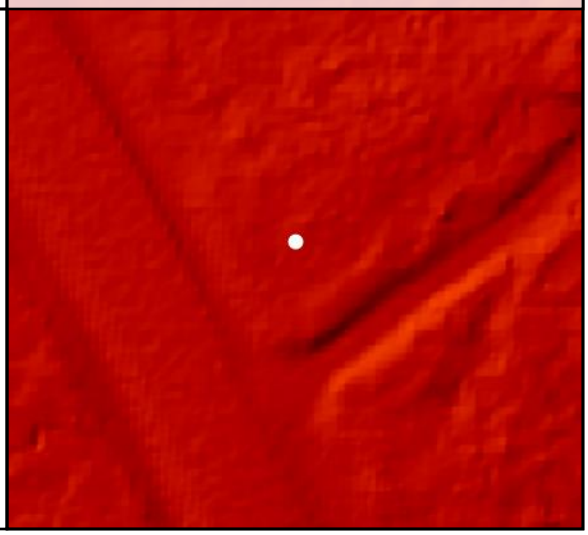


Project Elevation

530.34

48.98

DEM Surface



DEM Dz +0.13 m

VVA - SH08a

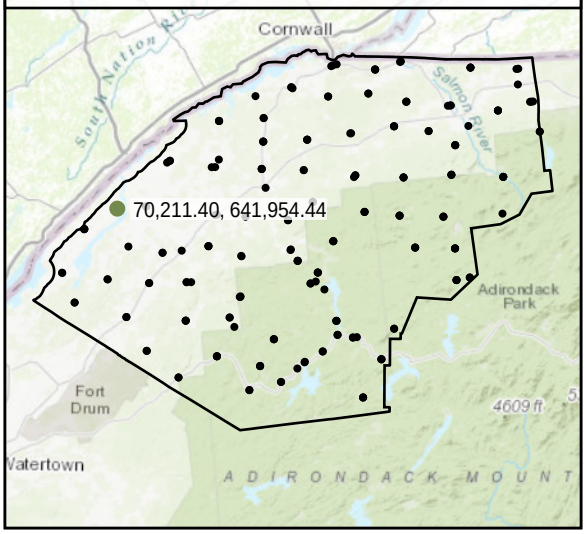
SH09

Known Z	113.24 m	Point Density	4.10 ppsm
DEM Dz	0.29 m	Ground Density	1.73 ppsm
Raw TIN Dz	N/A	Slope	6.33 °

DEM Dz +0.29 m

VVA - SH09

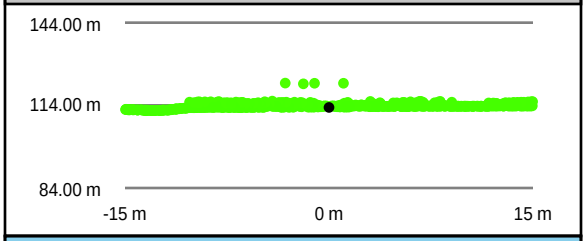
Project Context



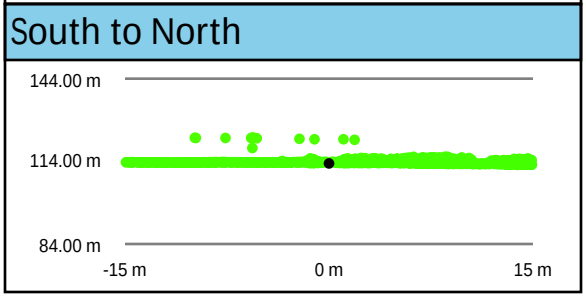
World Imagery



West to East



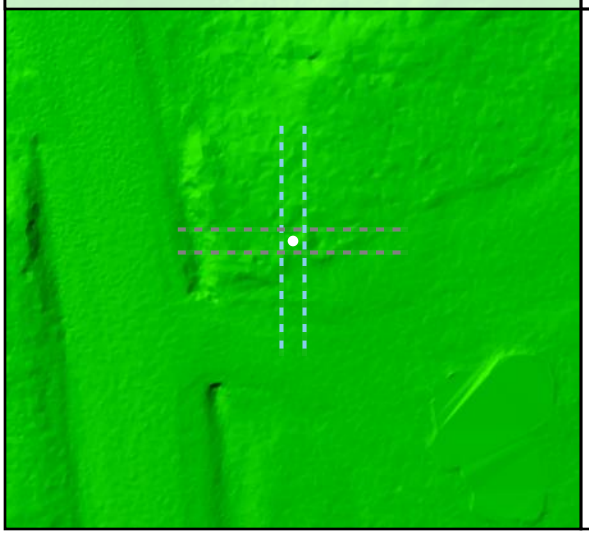
South to North



Intensity Raster



TIN Surface

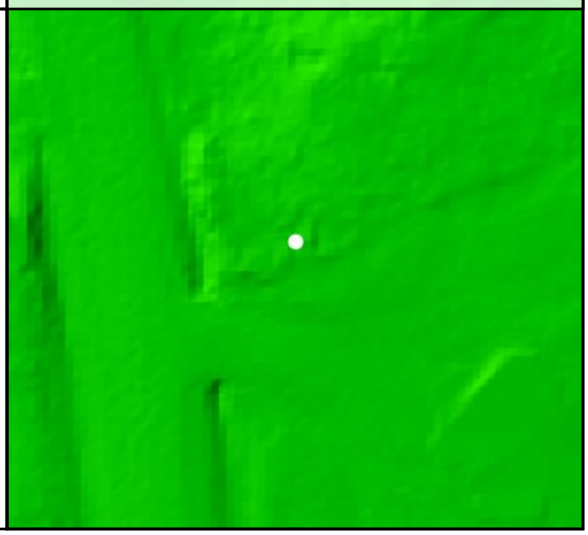


Project Elevation

530.34

48.98

DEM Surface

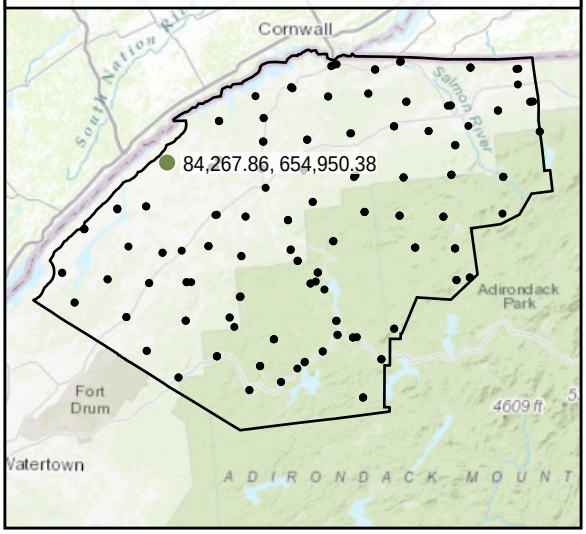


SH10				
	Known Z	99.16 m	Point Density	4.07 ppsm
	DEM Dz	0.19 m	Ground Density	1.80 ppsm
	Raw TIN Dz	N/A	Slope	1.89 °

DEM Dz +0.19 m

VVA - SH10

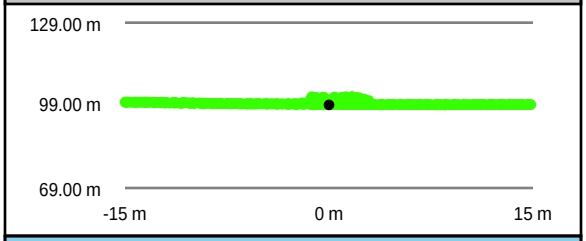
Project Context



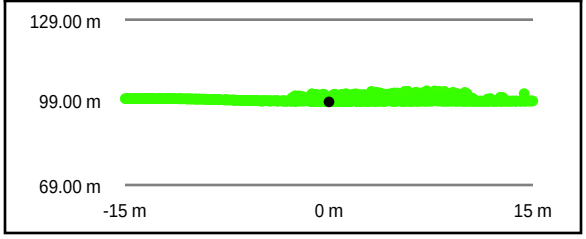
World Imagery



Southwest to Northeast



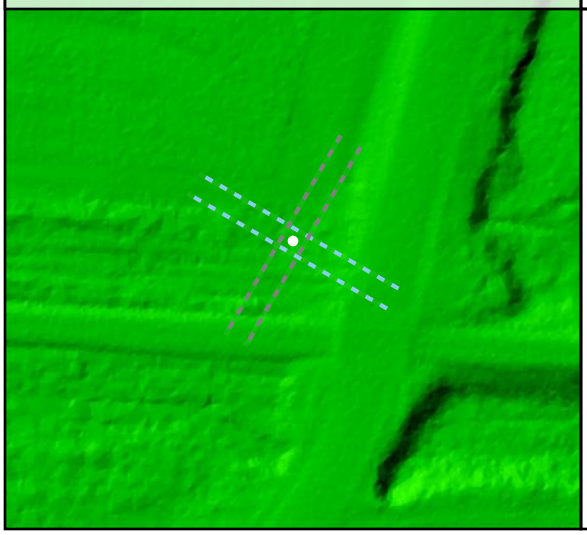
Southeast to Northwest



Intensity Raster



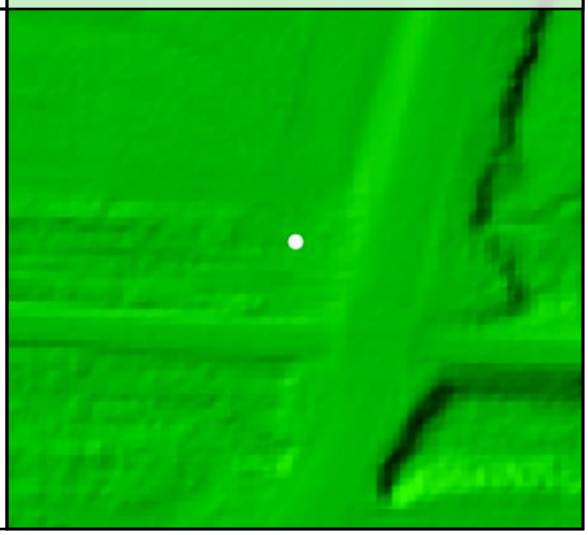
TIN Surface



Project Elevation



DEM Surface

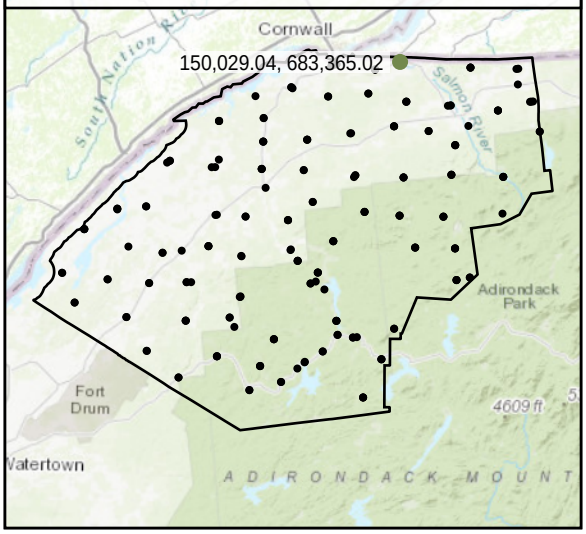


SH11				
	Known Z	51.61 m	Point Density	3.11 ppsm
	DEM Dz	0.06 m	Ground Density	2.30 ppsm
	Raw TIN Dz	N/A	Slope	4.85 °

DEM Dz +0.06 m

VVA - SH11

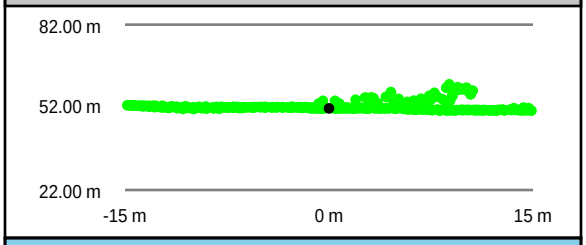
Project Context



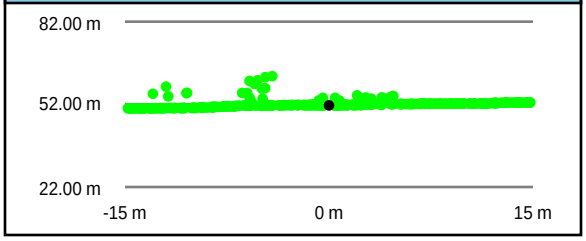
World Imagery



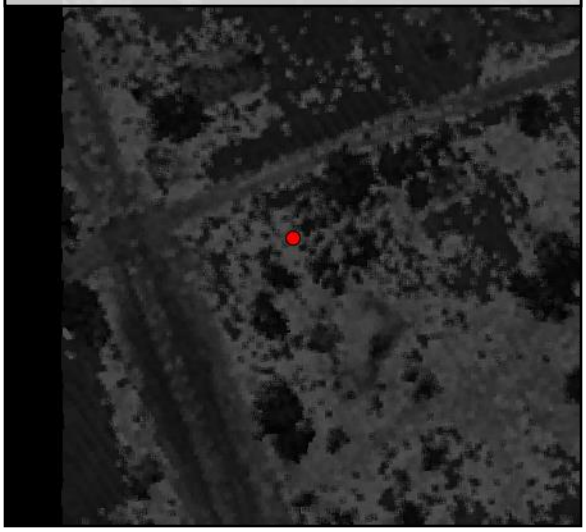
West to East



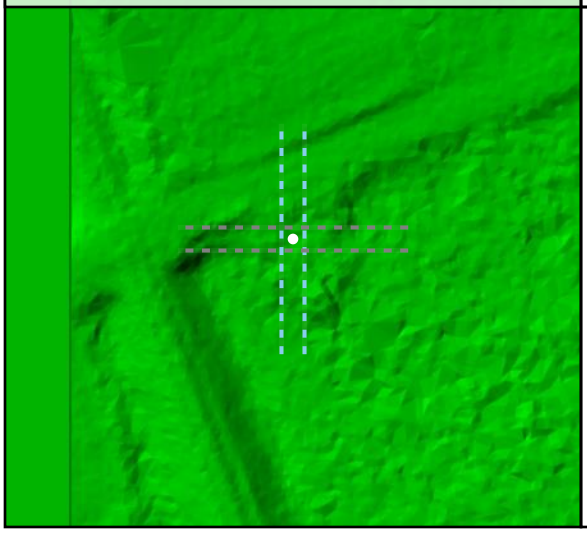
South to North



Intensity Raster



TIN Surface

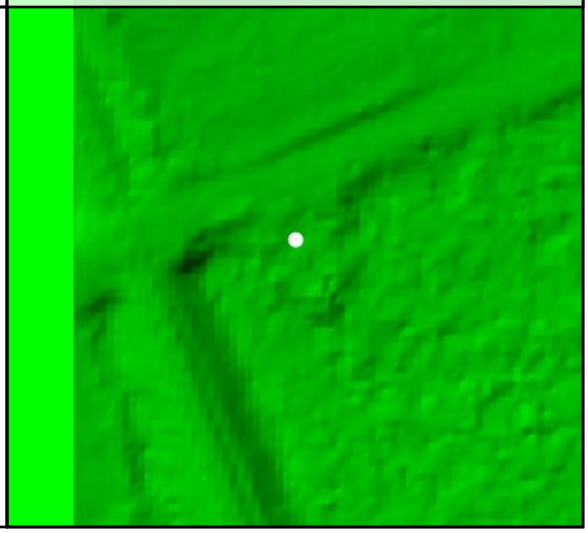


Project Elevation

530.34

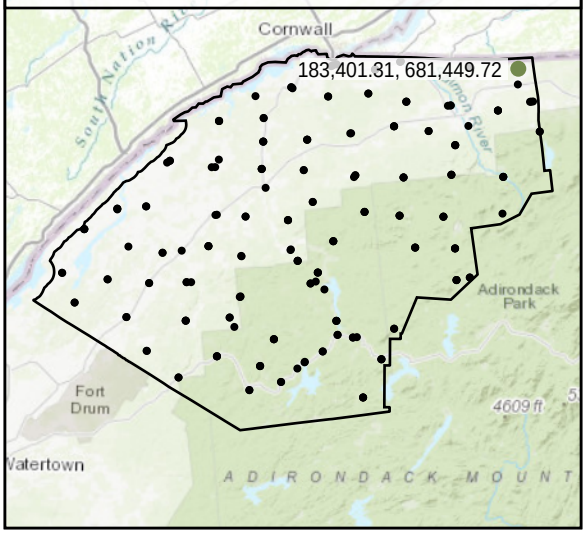
48.98

DEM Surface



SH12				
	Known Z	187.42 m	Point Density	2.83 ppsm
	DEM Dz	0.20 m	Ground Density	2.51 ppsm
	Raw TIN Dz	N/A	Slope	0.98 °

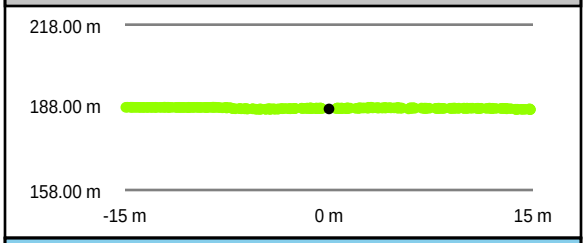
Project Context



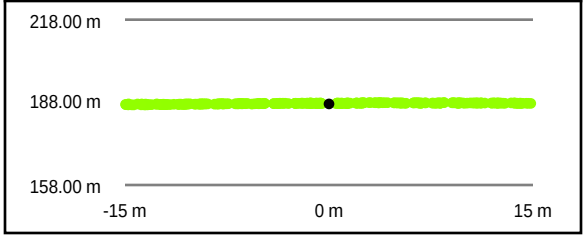
World Imagery



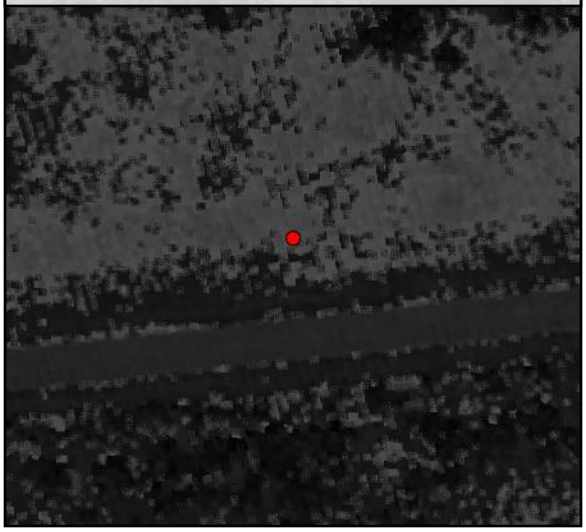
Southeast to Northwest



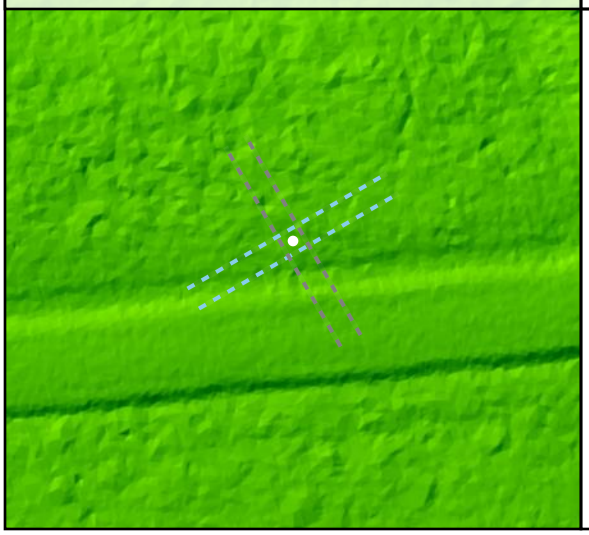
Southwest to Northeast



Intensity Raster



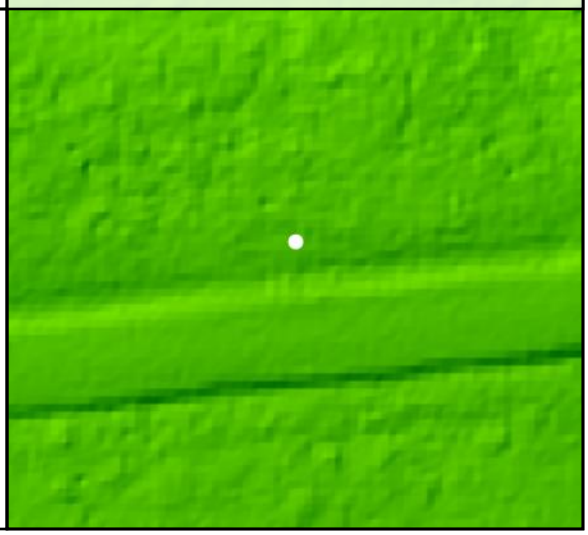
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.20 m

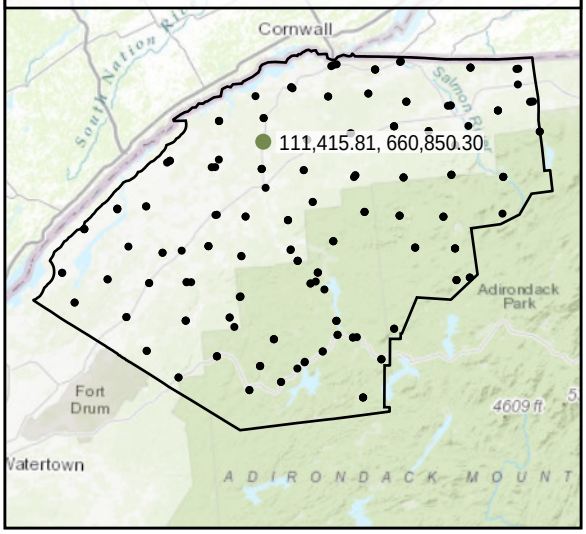
VVA - SH12

SH13				
	Known Z	100.77 m	Point Density	3.86 ppsm
	DEM Dz	0.10 m	Ground Density	3.43 ppsm
	Raw TIN Dz	N/A	Slope	2.40 °

DEM Dz +0.10 m

VVA - SH13

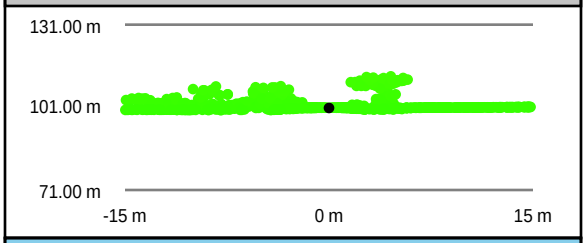
Project Context



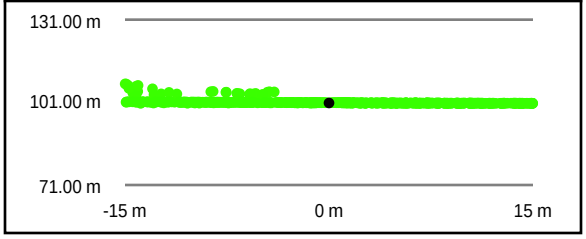
World Imagery



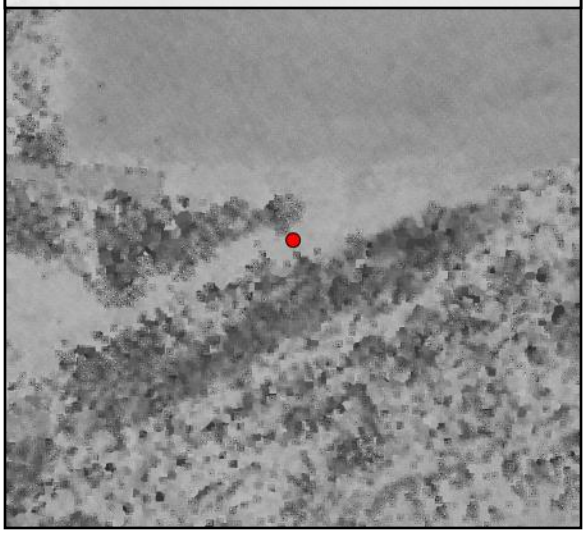
Southeast to Northwest



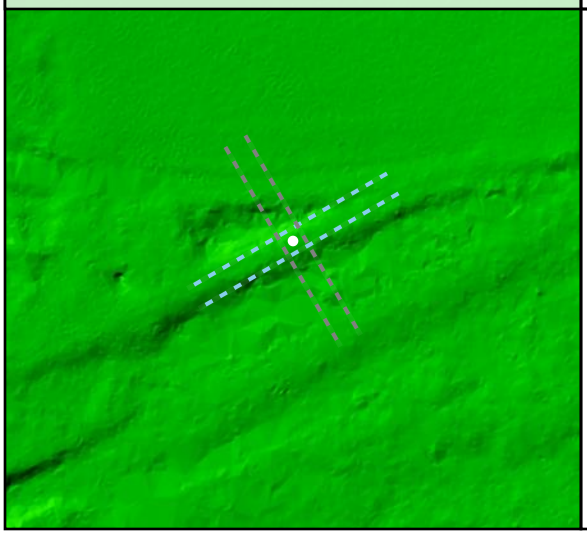
Southwest to Northeast



Intensity Raster



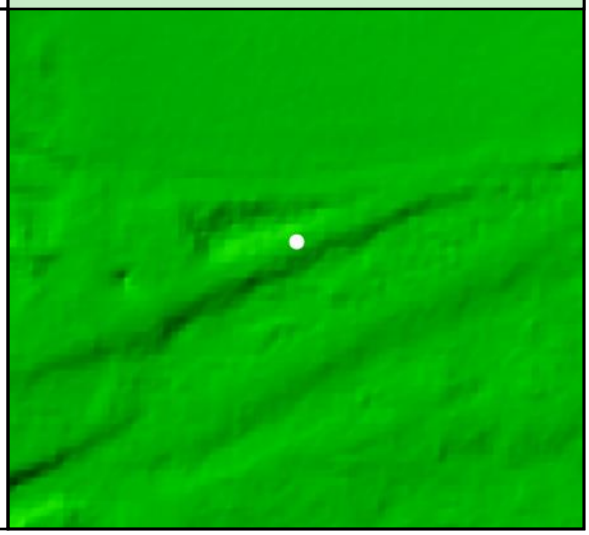
TIN Surface



Project Elevation



DEM Surface

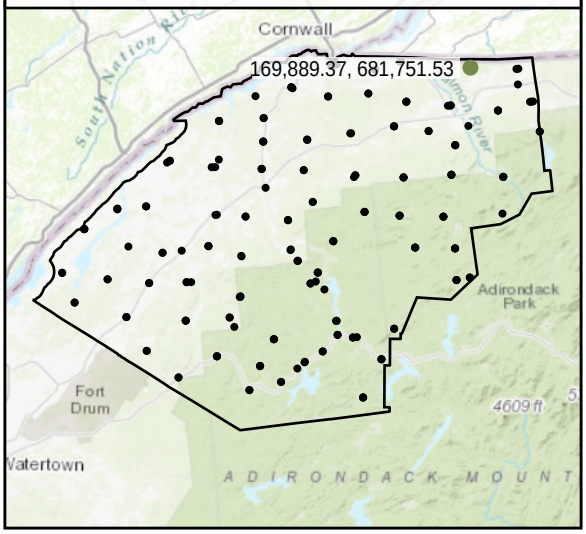


SH14				
	Known Z	94.19 m	Point Density	3.22 ppsm
	DEM Dz	0.42 m	Ground Density	1.38 ppsm
	Raw TIN Dz	N/A	Slope	4.57 °

DEM Dz +0.42 m

VVA - SH14

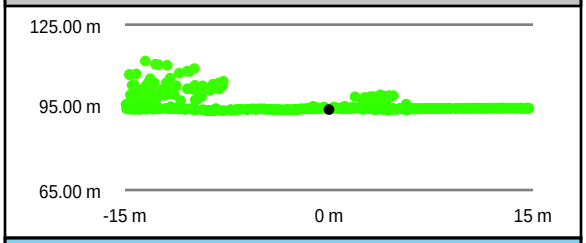
Project Context



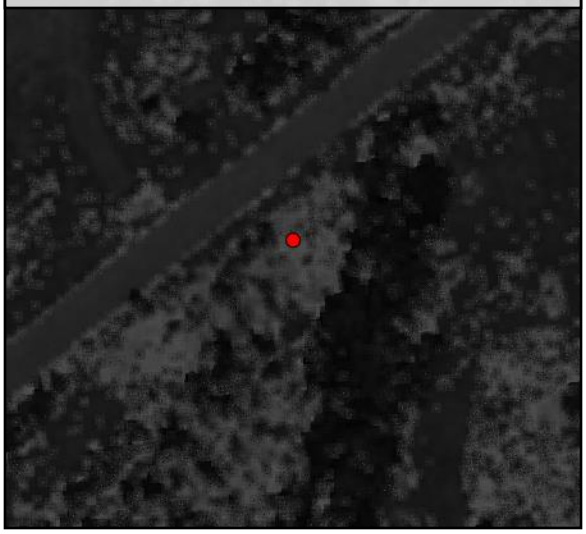
World Imagery



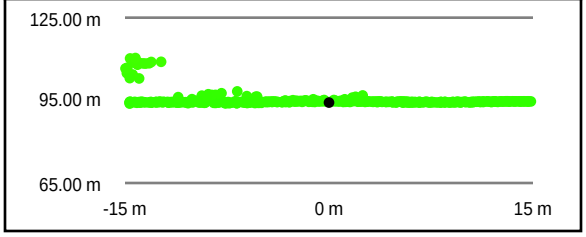
Southeast to Northwest



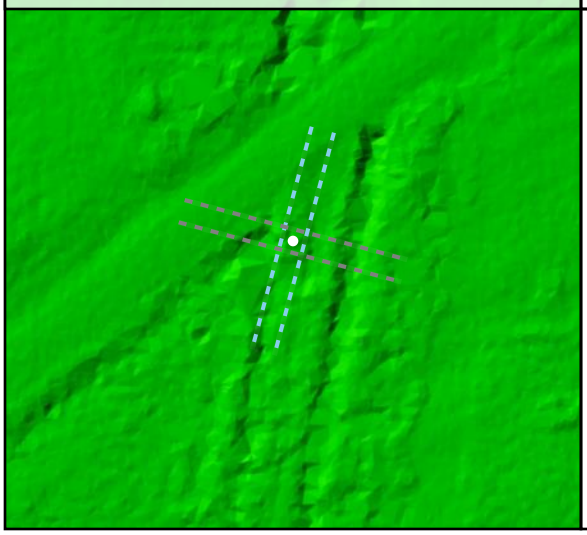
Intensity Raster



Southwest to Northeast



TIN Surface

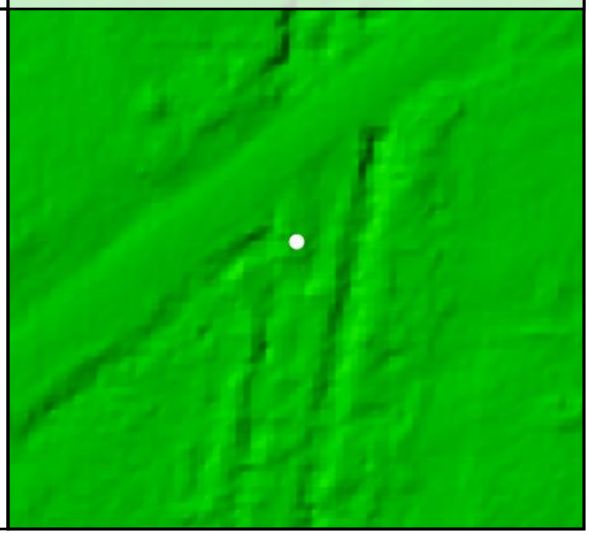


Project Elevation

530.34

48.98

DEM Surface

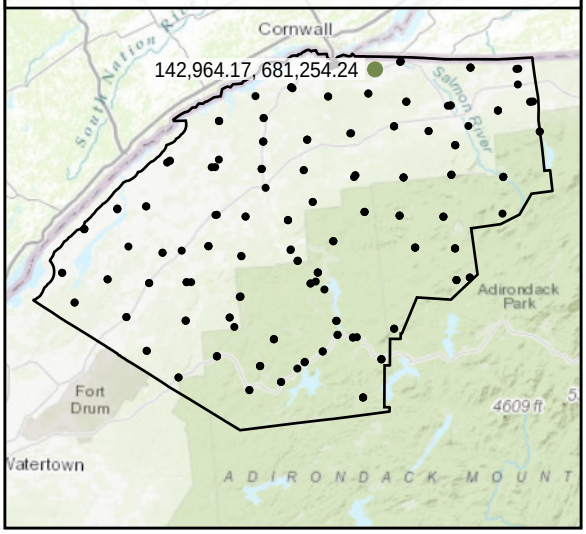


SH15				
	Known Z	66.87 m	Point Density	2.76 ppsm
	DEM Dz	0.07 m	Ground Density	1.56 ppsm
	Raw TIN Dz	N/A	Slope	6.37 °

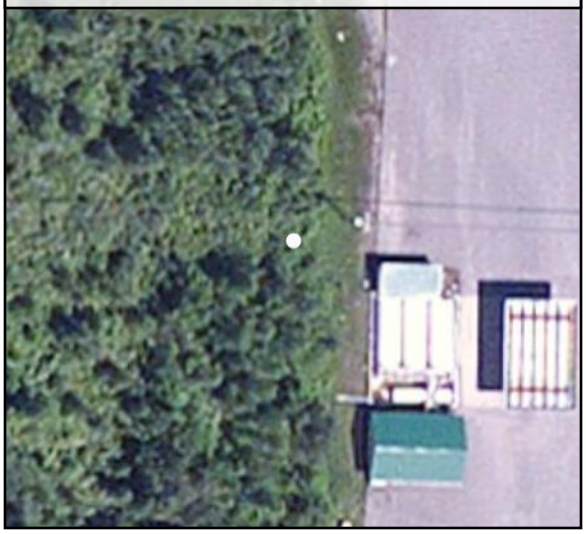
DEM Dz +0.07 m

VVA - SH15

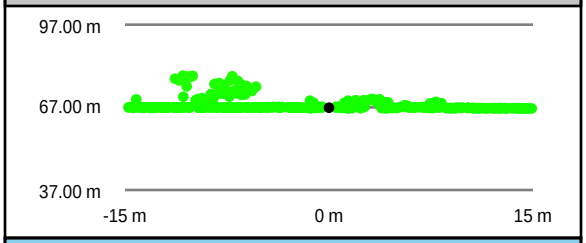
Project Context



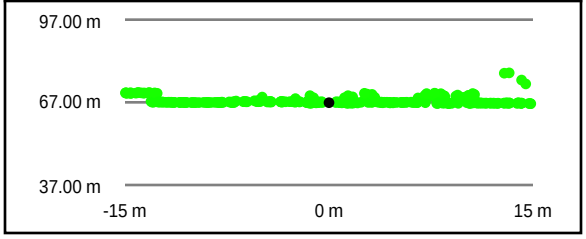
World Imagery



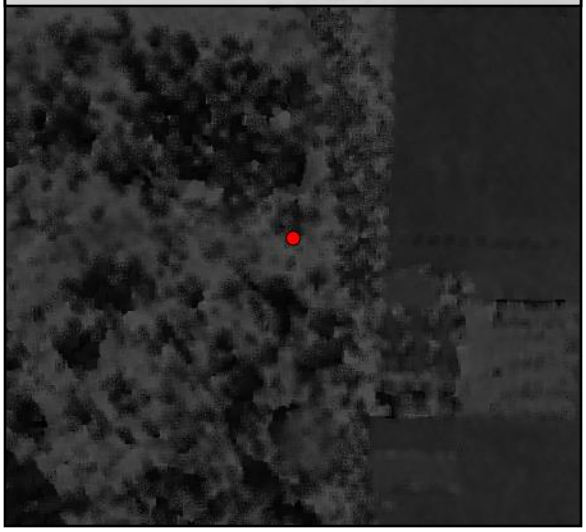
Southwest to Northeast



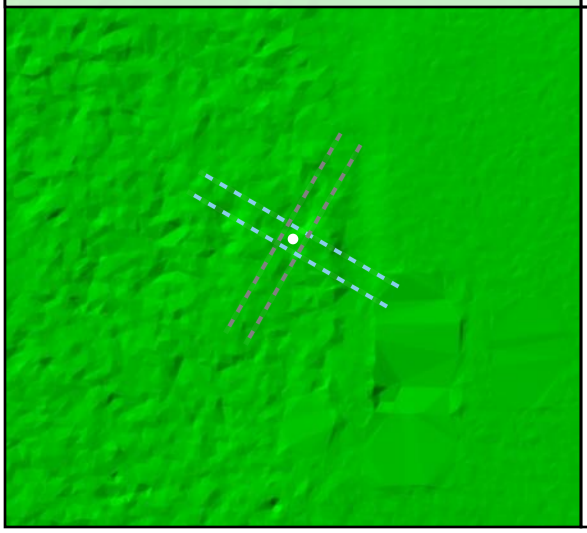
Southeast to Northwest



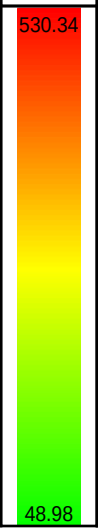
Intensity Raster



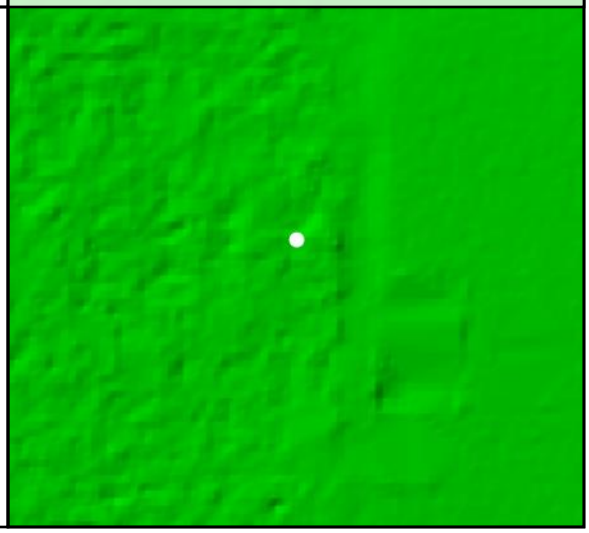
TIN Surface



Project Elevation

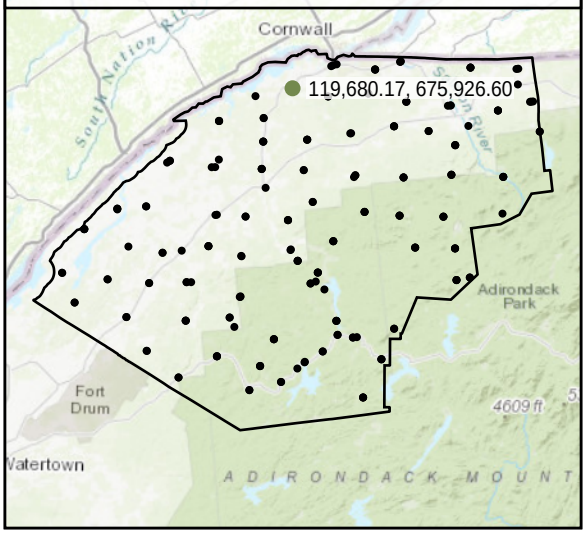


DEM Surface



SH16				
	Known Z	57.78 m	Point Density	4.24 ppsm
	DEM Dz	0.13 m	Ground Density	3.78 ppsm
	Raw TIN Dz	N/A	Slope	4.00 °

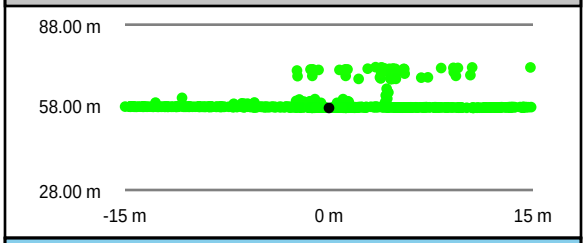
Project Context



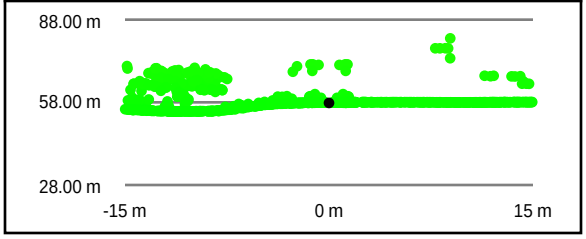
World Imagery



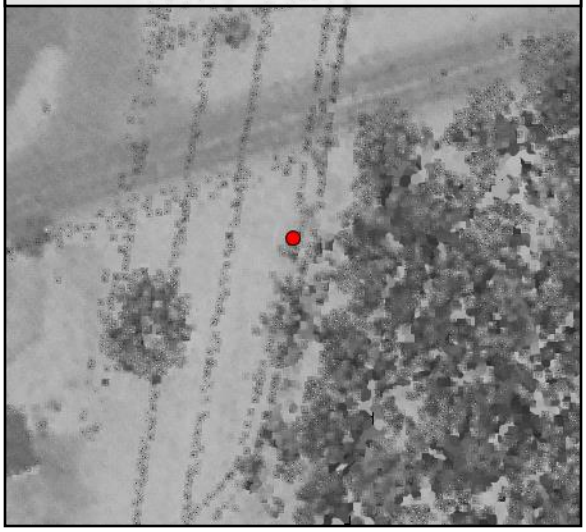
Southwest to Northeast



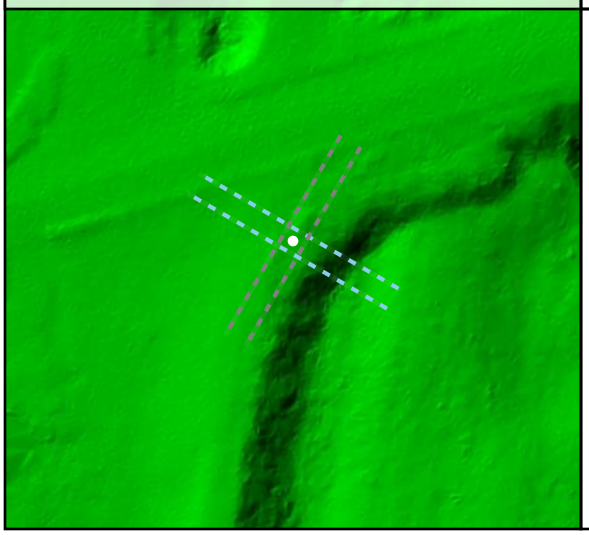
Southeast to Northwest



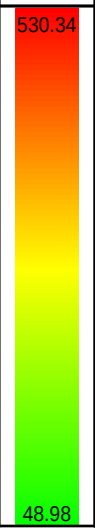
Intensity Raster



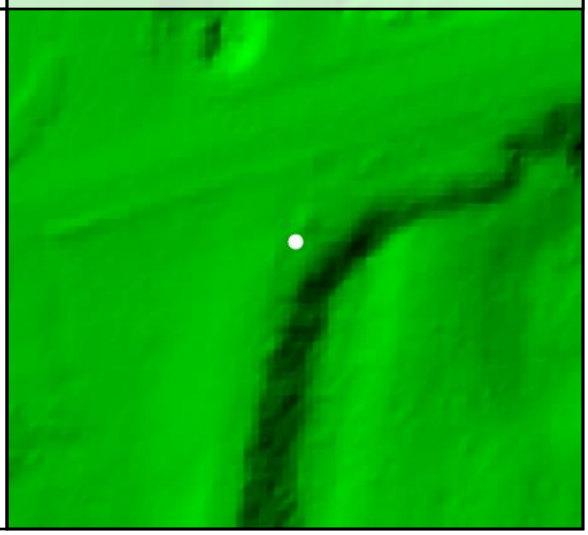
TIN Surface



Project Elevation

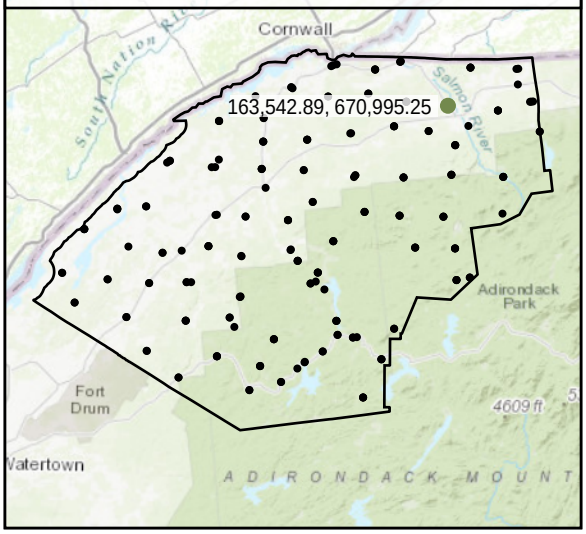


DEM Surface



SH17				
	Known Z	199.22 m	Point Density	3.32 ppsm
	DEM Dz	0.04 m	Ground Density	1.80 ppsm
	Raw TIN Dz	N/A	Slope	3.36 °

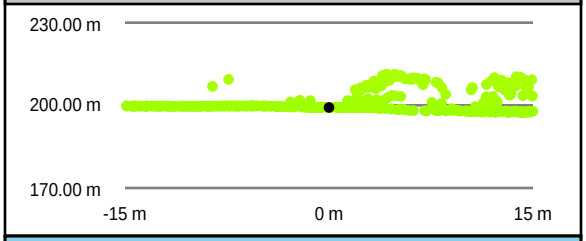
Project Context



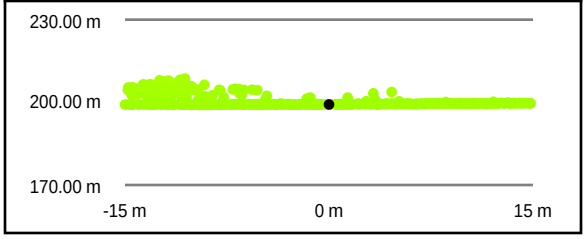
World Imagery



South to North



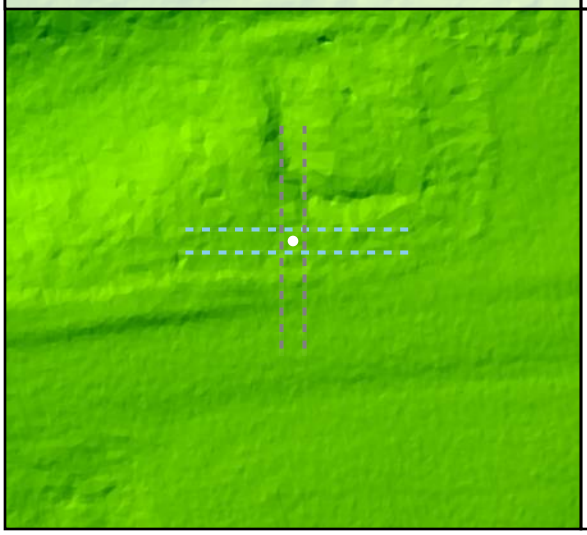
West to East



Intensity Raster



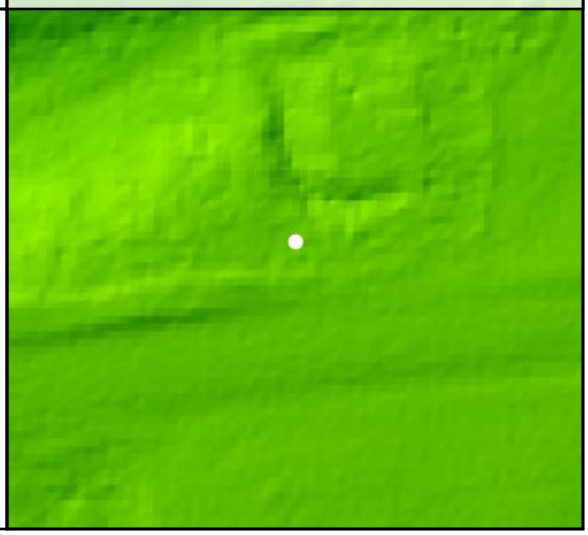
TIN Surface



Project Elevation



DEM Surface

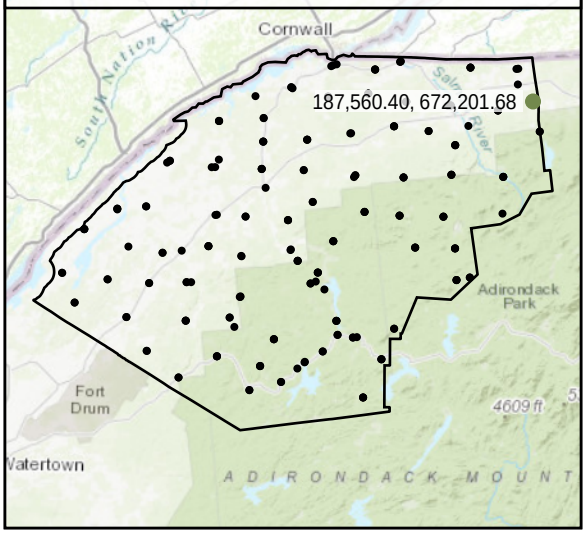


DEM Dz +0.04 m

VVA - SH17

SH18				
	Known Z	404.78 m	Point Density	3.08 ppsm
	DEM Dz	0.23 m	Ground Density	1.41 ppsm
	Raw TIN Dz	N/A	Slope	1.83 °

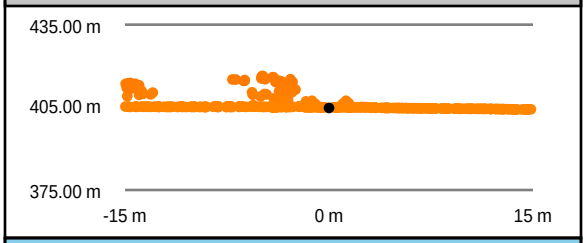
Project Context



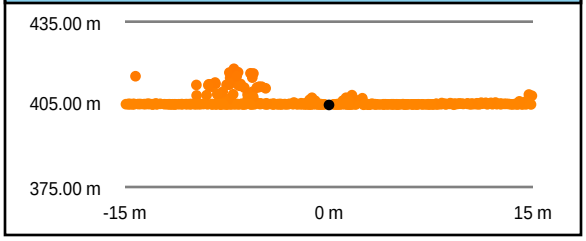
World Imagery



South to North



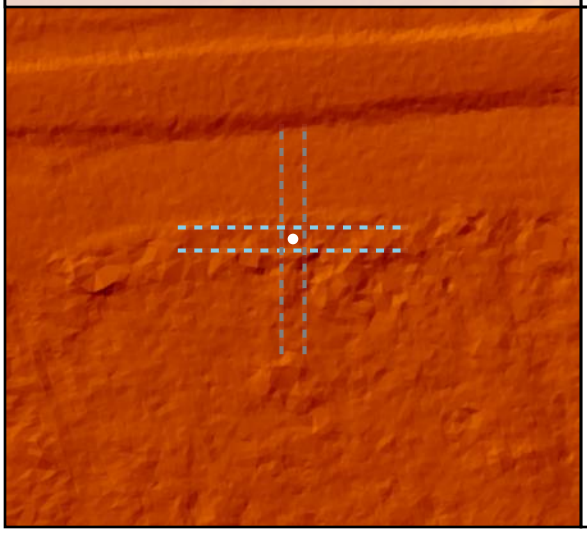
West to East



Intensity Raster



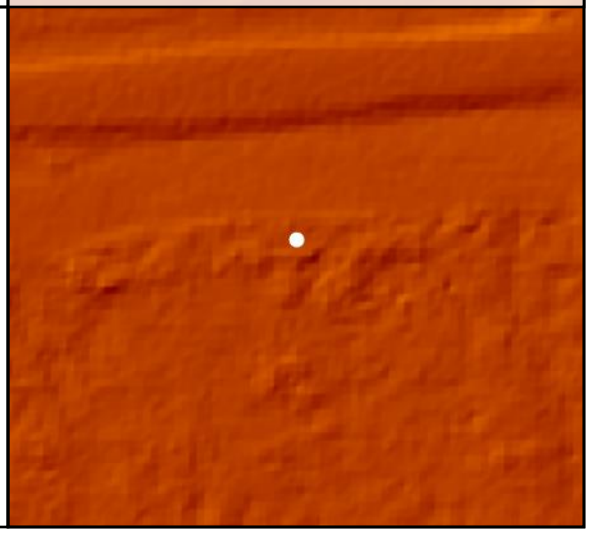
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.23 m

VVA - SH18

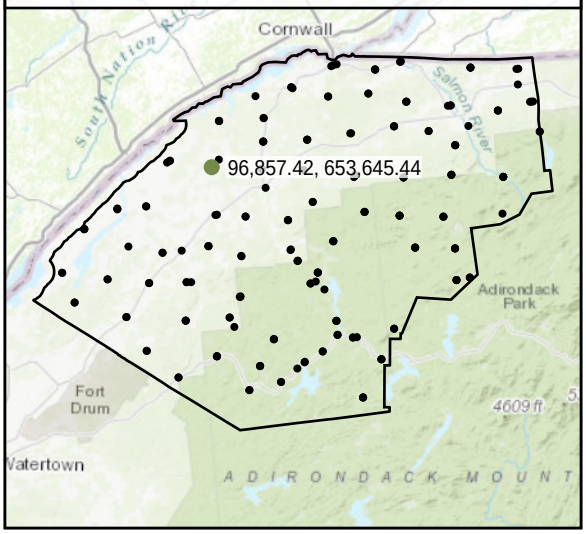
TW06

Known Z	98.62 m	Point Density	6.15 ppsm
DEM Dz	0.12 m	Ground Density	5.38 ppsm
Raw TIN Dz	N/A	Slope	4.29 °

DEM Dz +0.12 m

VVA - TW06

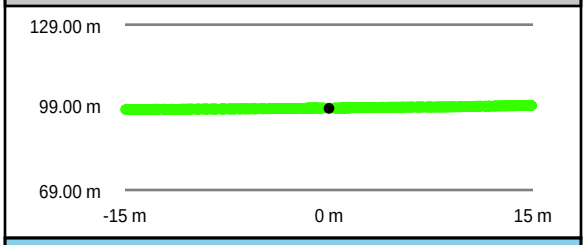
Project Context



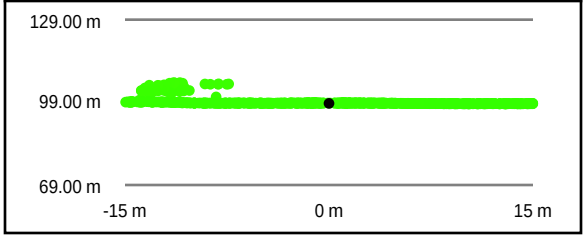
World Imagery



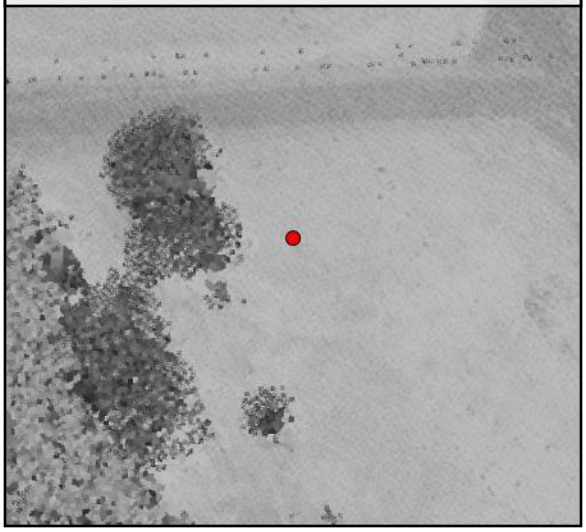
Southeast to Northwest



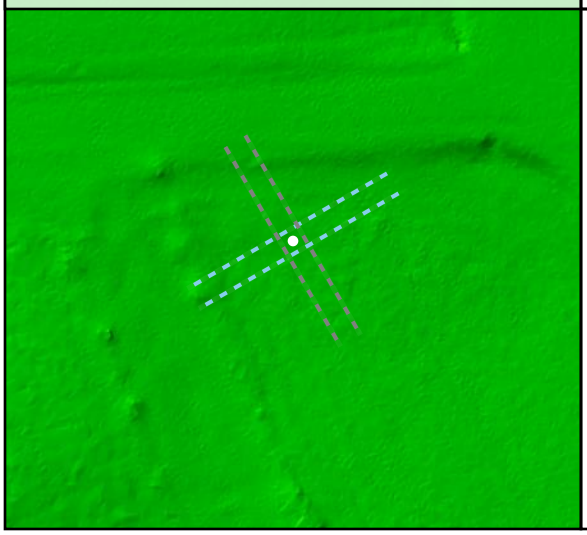
Southwest to Northeast



Intensity Raster



TIN Surface

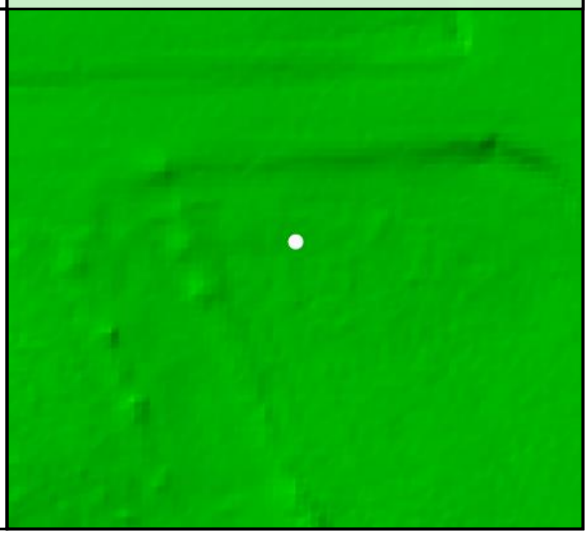


Project Elevation

530.34

48.98

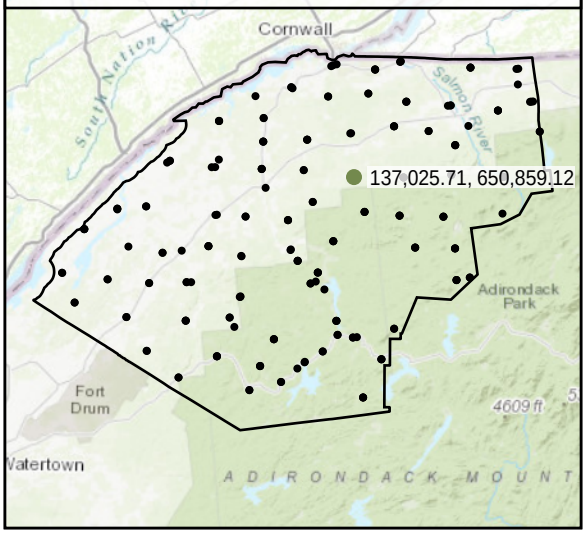
DEM Surface



TW07

Known Z	247.54 m	Point Density	2.51 ppsm
DEM Dz	0.11 m	Ground Density	2.37 ppsm
Raw TIN Dz	N/A	Slope	2.34 °

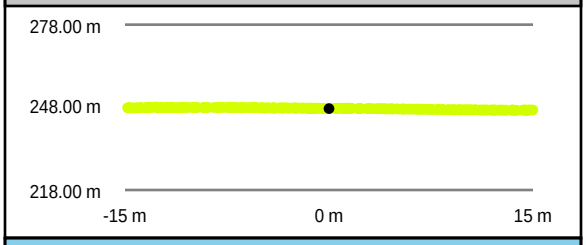
Project Context



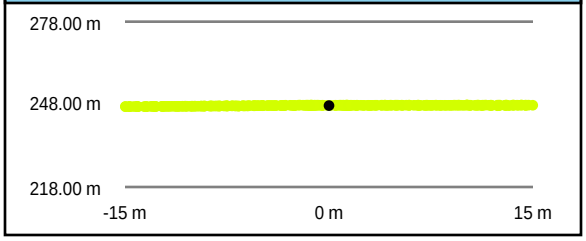
World Imagery



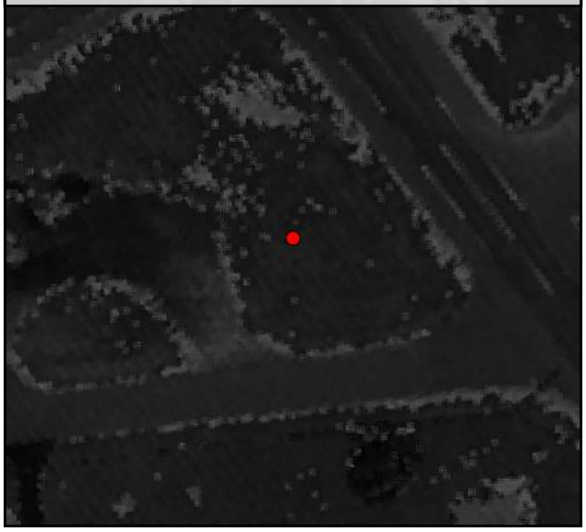
South to North



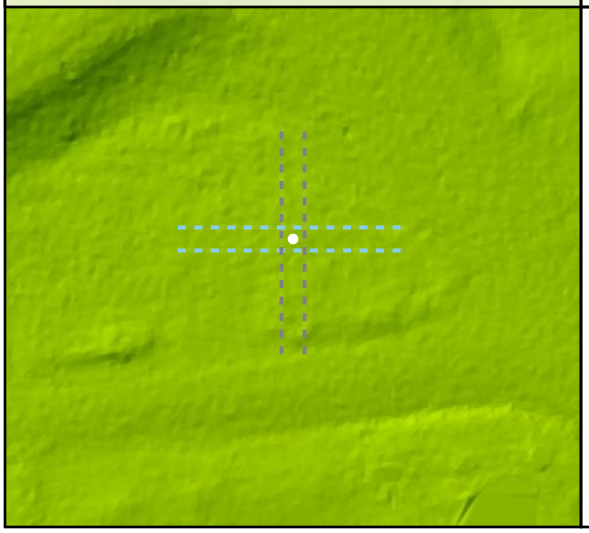
West to East



Intensity Raster



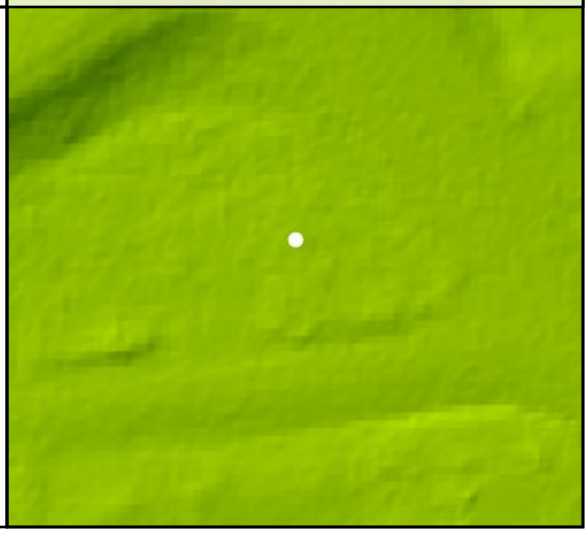
TIN Surface



Project Elevation



DEM Surface



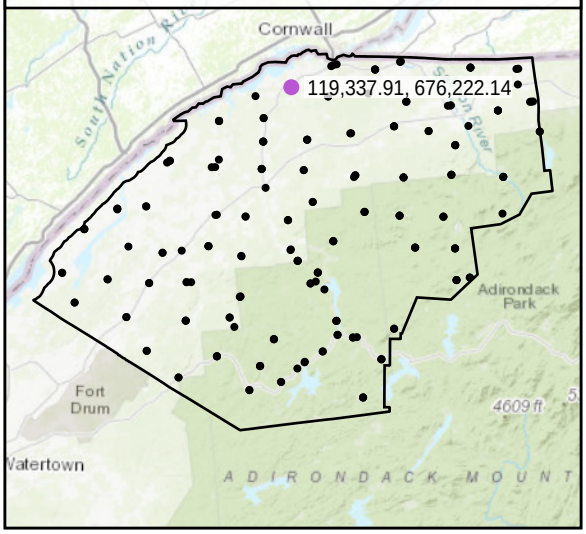
DEM Dz +0.11 m

VVA - TW07

CA100

Known Z	72.05 m	Point Density	3.64 ppsm
DEM Dz	0.01 m	Ground Density	3.40 ppsm
Raw TIN Dz	0.01 m	Slope	0.83 °

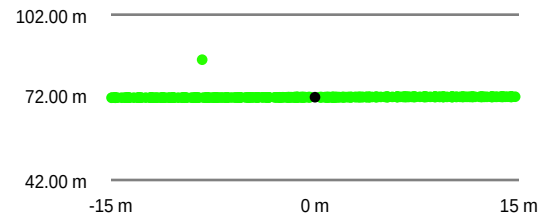
Project Context



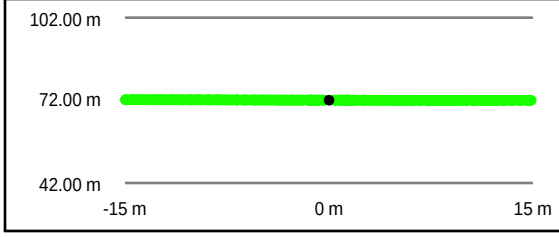
World Imagery



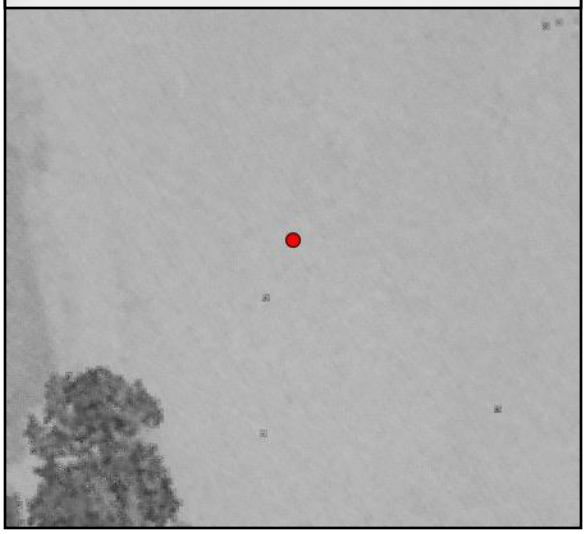
Southwest to Northeast



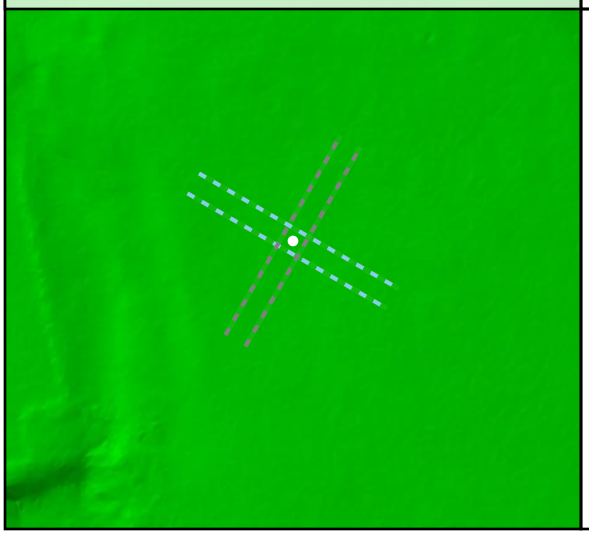
Southeast to Northwest



Intensity Raster



TIN Surface

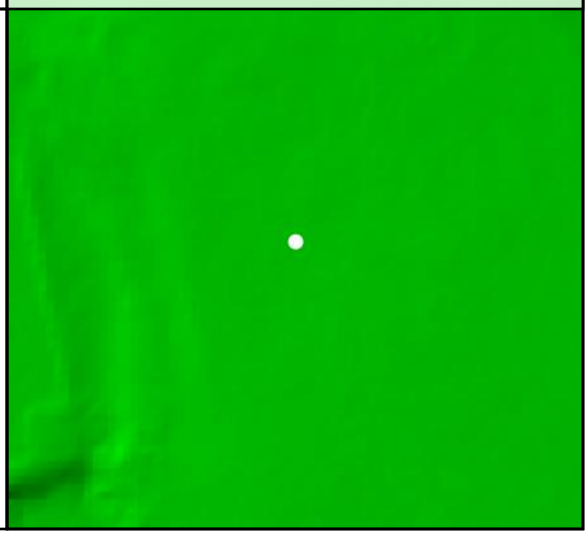


Project Elevation

530.34

48.98

DEM Surface



DEM Dz +0.01 m

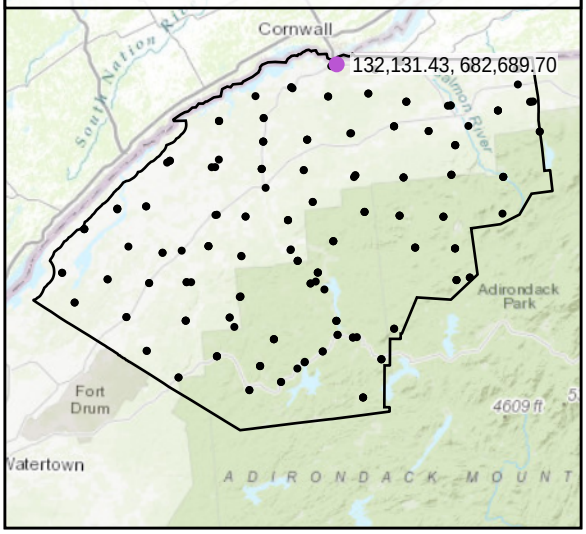
CAL - CA100

Raw TIN Dz +0.01 m

CA101

Known Z	59.16 m	Point Density	2.90 ppsm
DEM Dz	0.00 m	Ground Density	2.79 ppsm
Raw TIN Dz	0.00 m	Slope	0.16 °

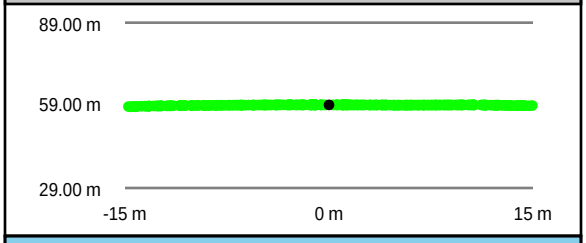
Project Context



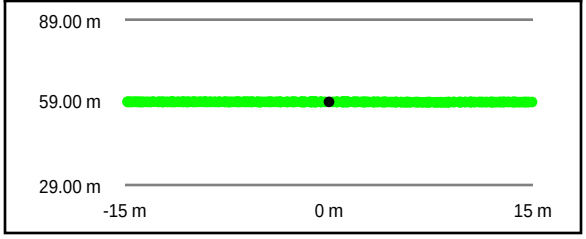
World Imagery



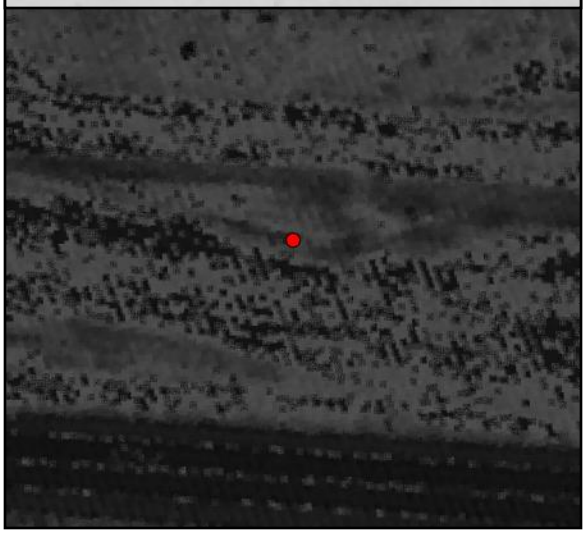
South to North



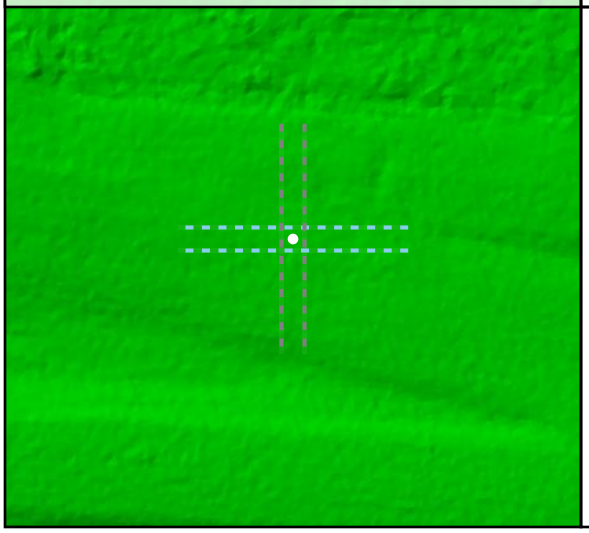
West to East



Intensity Raster



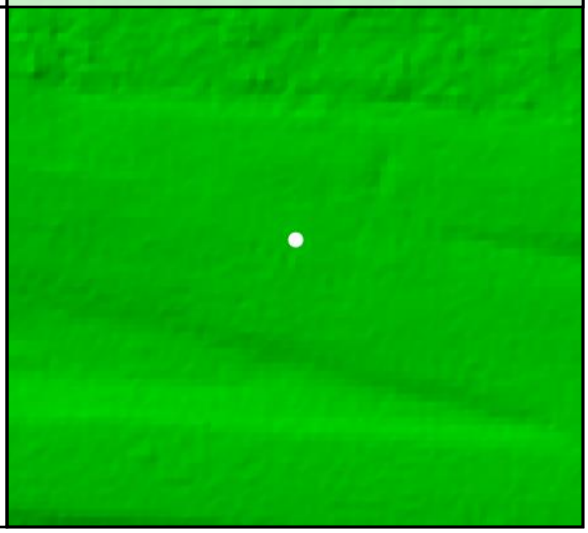
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.00 m

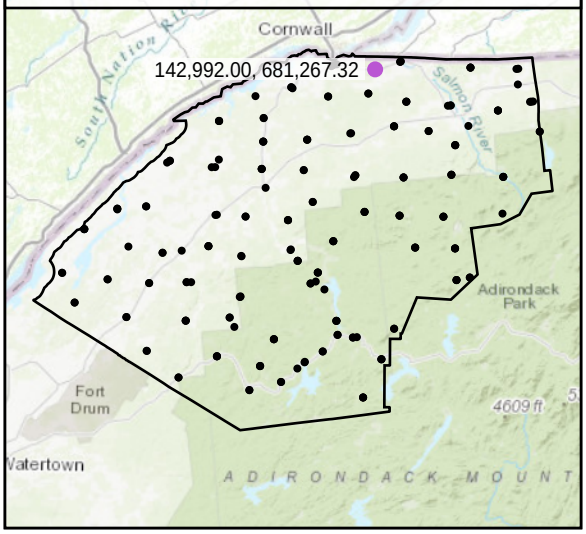
CAL - CA101

Raw TIN Dz +0.00 m

CA102

Known Z	67.10 m	Point Density	2.44 ppsm
DEM Dz	-0.01 m	Ground Density	2.26 ppsm
Raw TIN Dz	-0.01 m	Slope	0.84 °

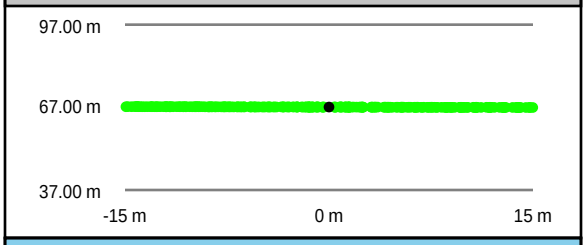
Project Context



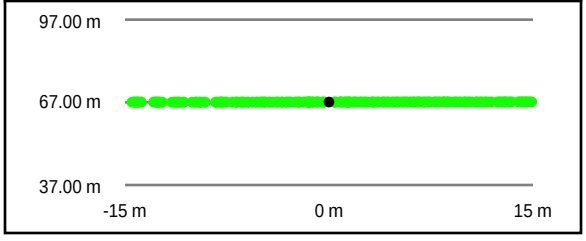
World Imagery



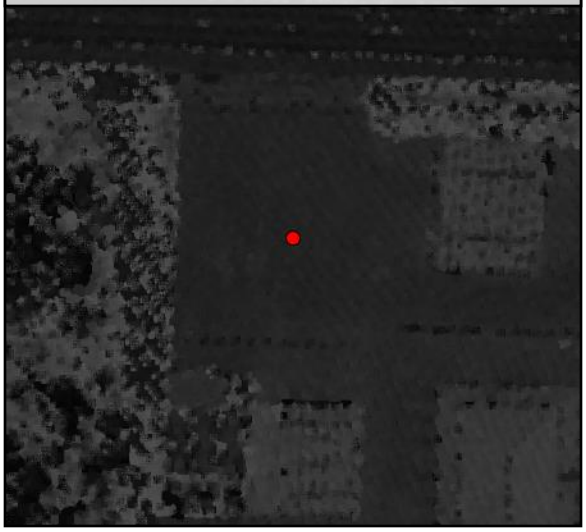
Southeast to Northwest



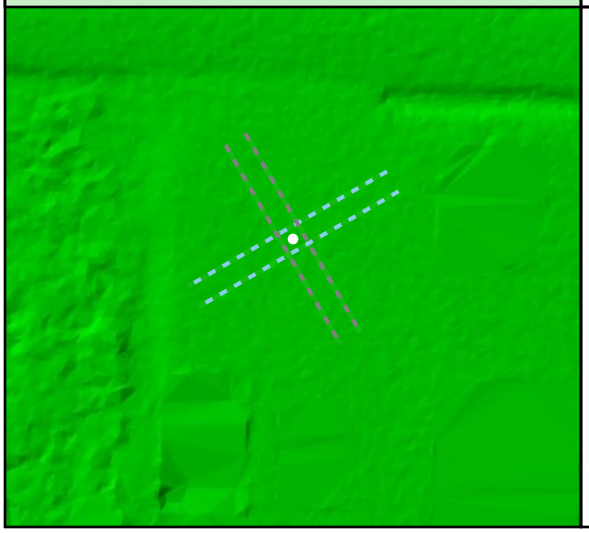
Southwest to Northeast



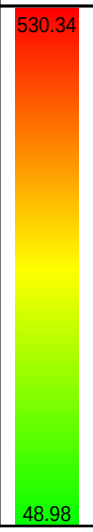
Intensity Raster



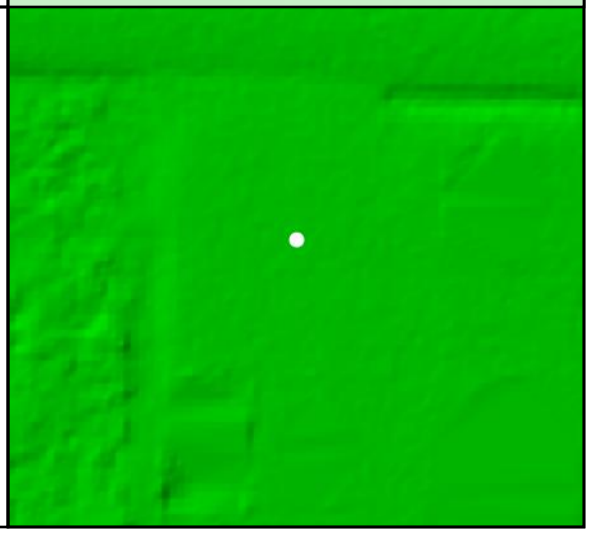
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.01 m

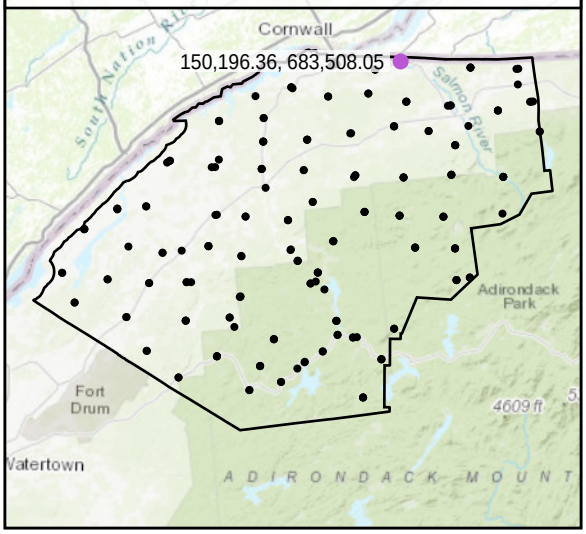
CAL - CA102

Raw TIN Dz -0.01 m

CA103

Known Z	52.35 m	Point Density	2.76 ppsm
DEM Dz	0.00 m	Ground Density	2.76 ppsm
Raw TIN Dz	0.01 m	Slope	1.47 °

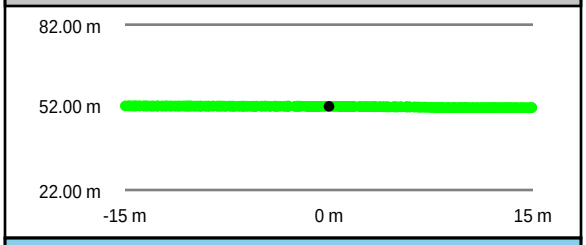
Project Context



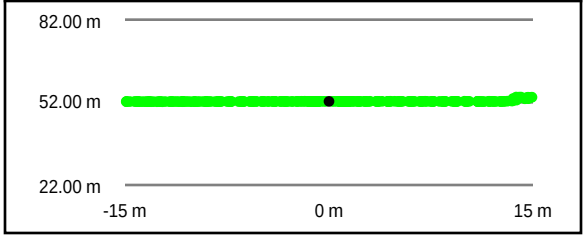
World Imagery



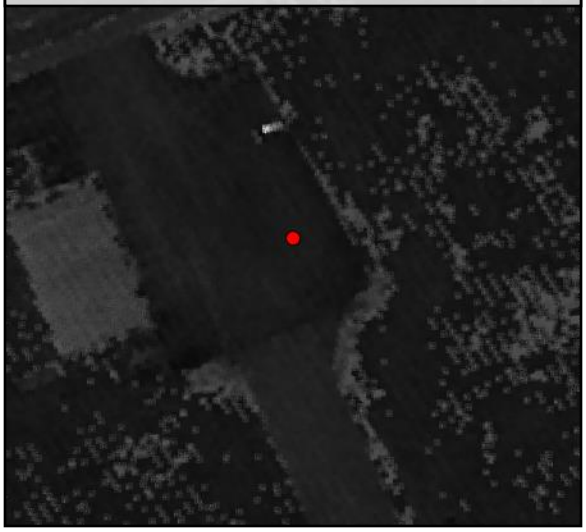
Southwest to Northeast



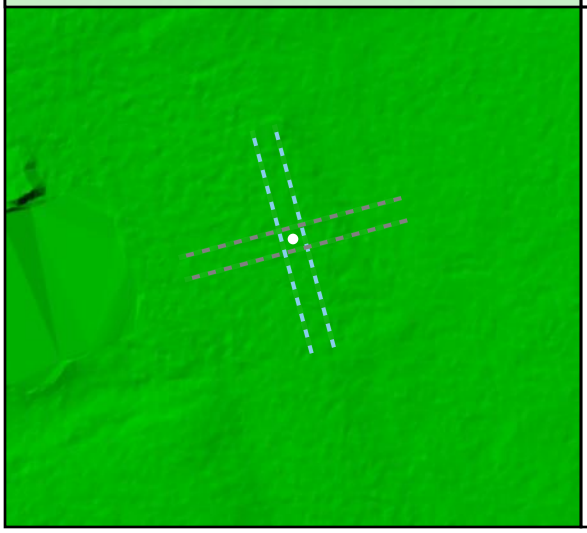
Southeast to Northwest



Intensity Raster



TIN Surface

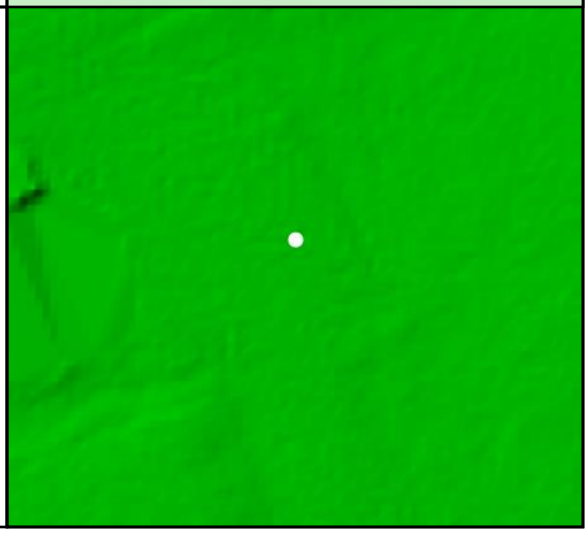


Project Elevation

530.34

48.98

DEM Surface



DEM Dz 0.00 m

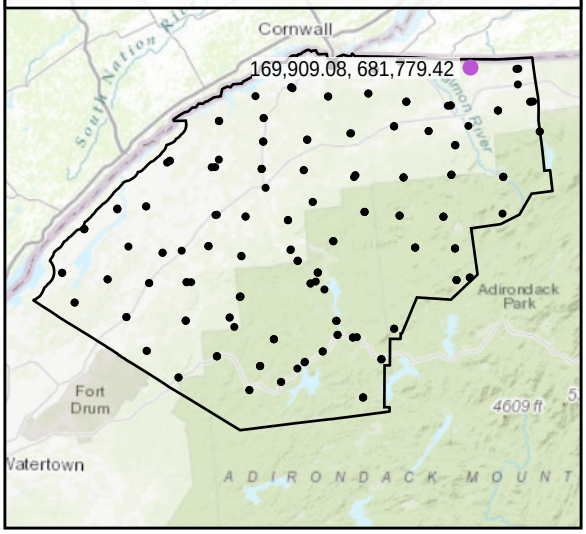
CAL - CA103

Raw TIN Dz +0.01 m

CA104

Known Z	94.51 m	Point Density	3.04 ppsm
DEM Dz	0.02 m	Ground Density	3.04 ppsm
Raw TIN Dz	0.03 m	Slope	0.95 °

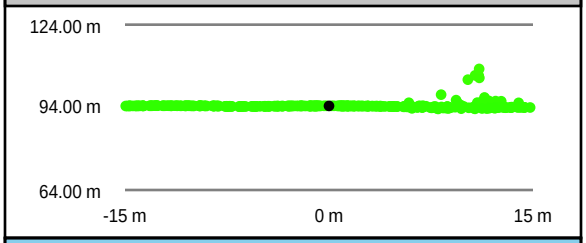
Project Context



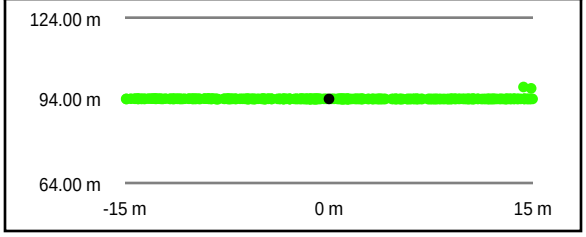
World Imagery



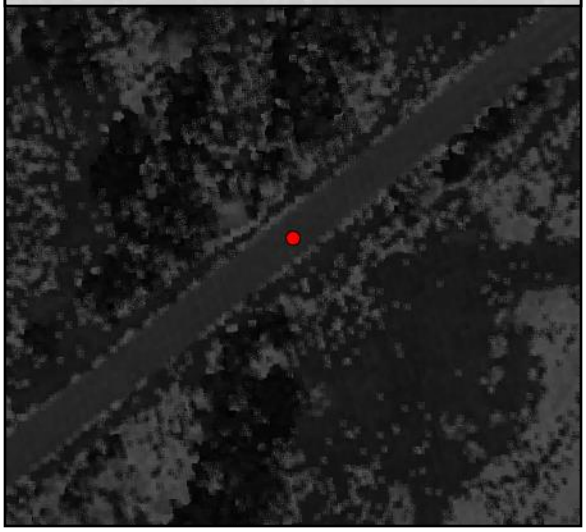
Southeast to Northwest



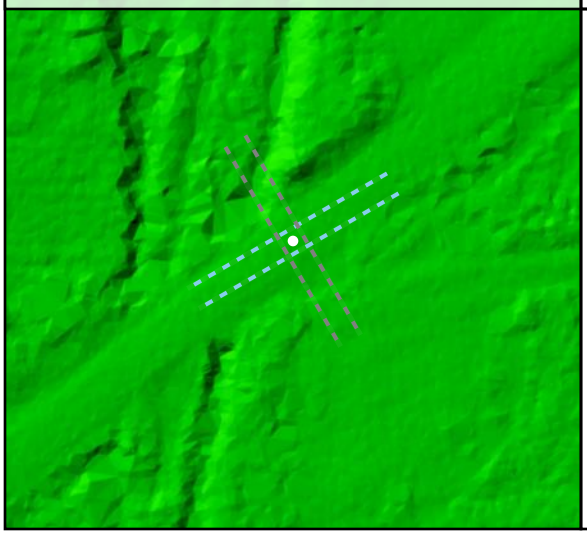
Southwest to Northeast



Intensity Raster



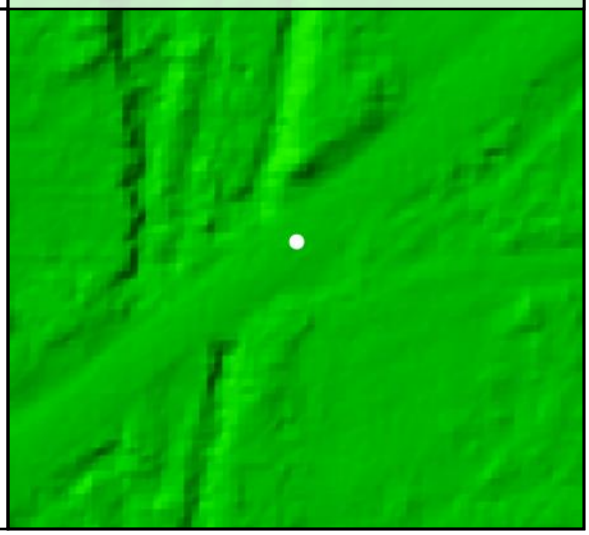
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.02 m

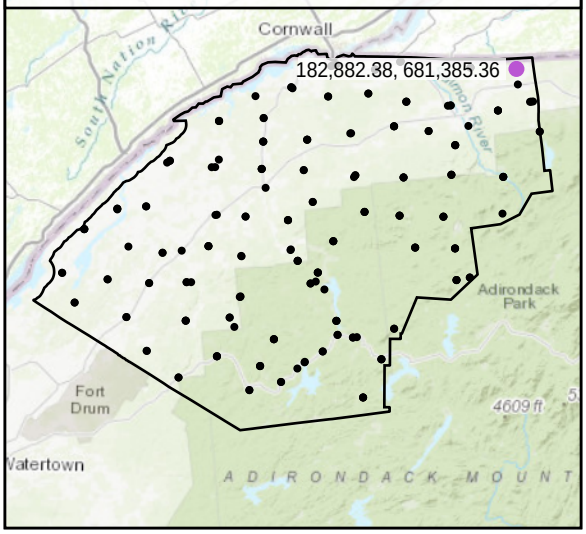
CAL - CA104

Raw TIN Dz +0.03 m

CA105

Known Z	184.03 m	Point Density	2.83 ppsm
DEM Dz	0.02 m	Ground Density	2.58 ppsm
Raw TIN Dz	0.01 m	Slope	1.84 °

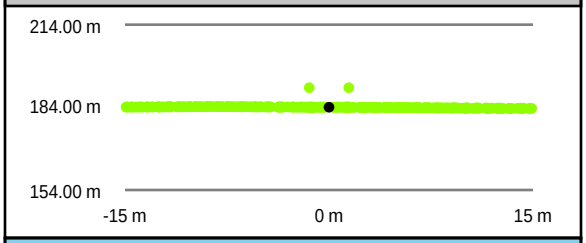
Project Context



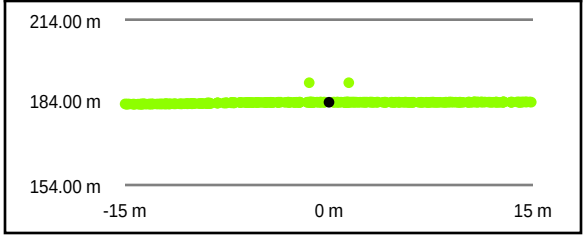
World Imagery



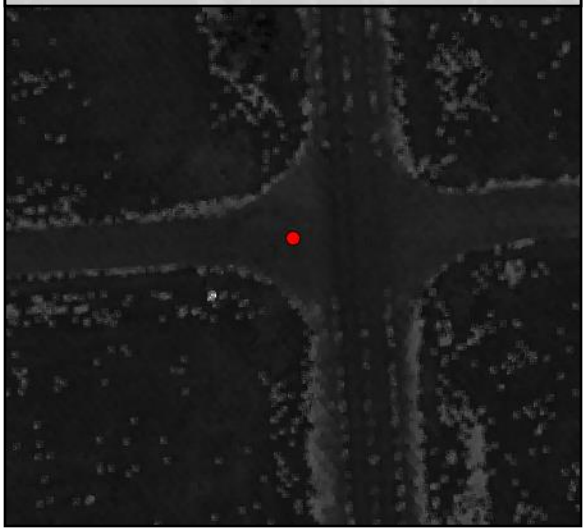
Southeast to Northwest



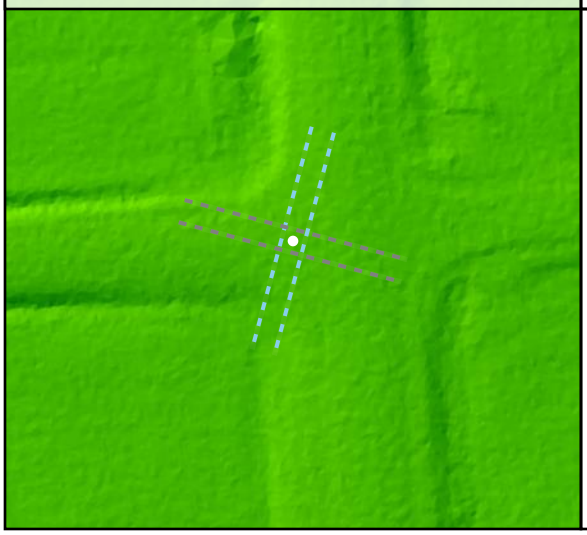
Southwest to Northeast



Intensity Raster



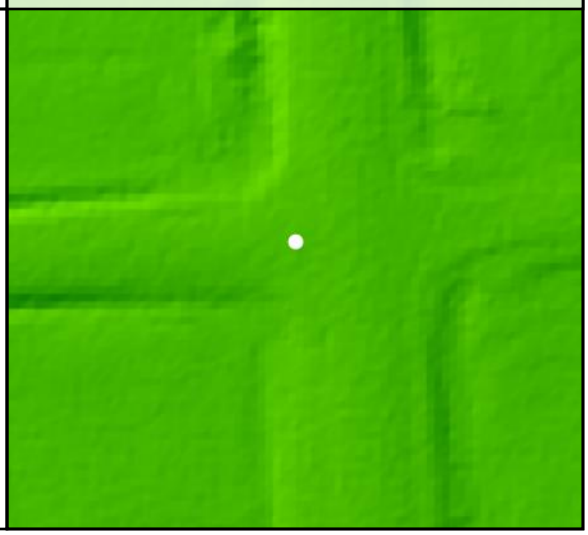
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.02 m

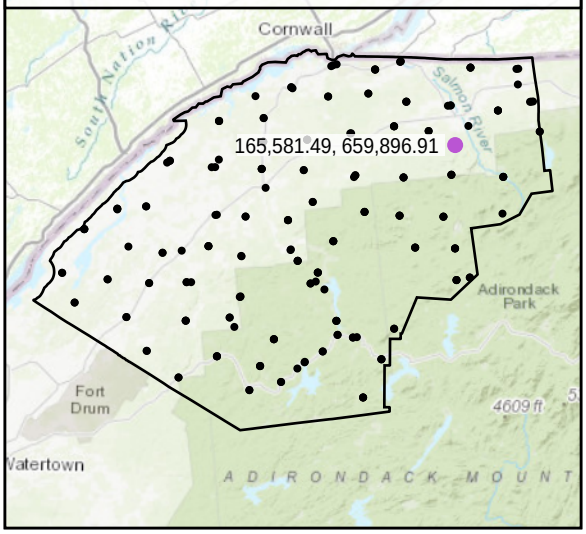
CAL - CA105

Raw TIN Dz +0.01 m

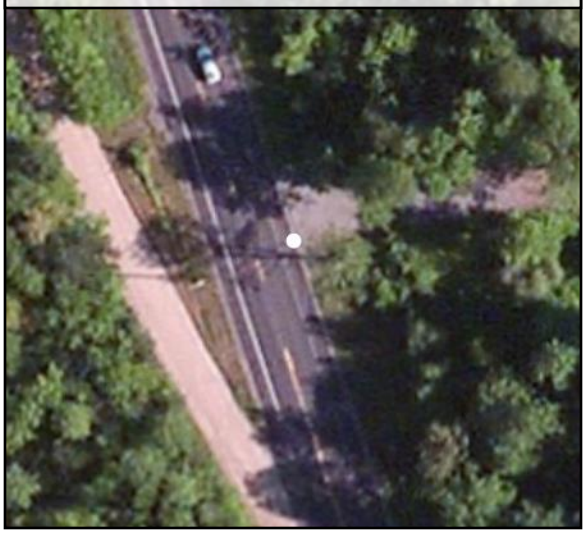
CA106

Known Z	386.13 m	Point Density	2.62 ppsm
DEM Dz	0.06 m	Ground Density	2.62 ppsm
Raw TIN Dz	0.06 m	Slope	2.36 °

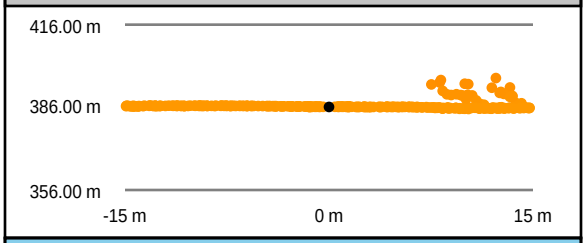
Project Context



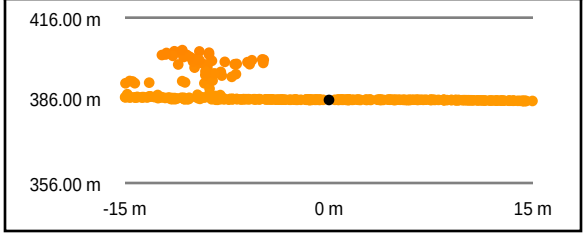
World Imagery



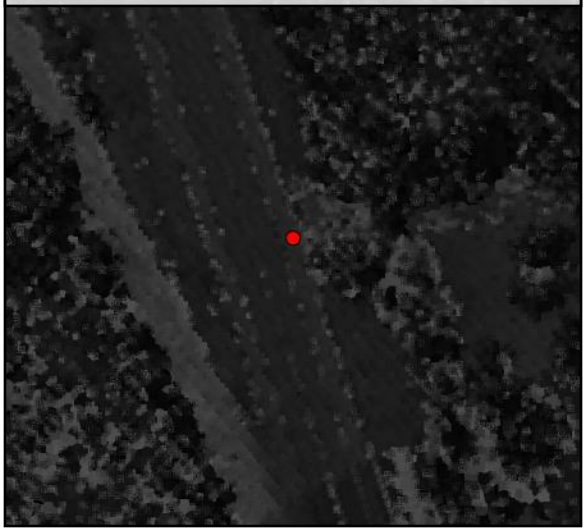
Southwest to Northeast



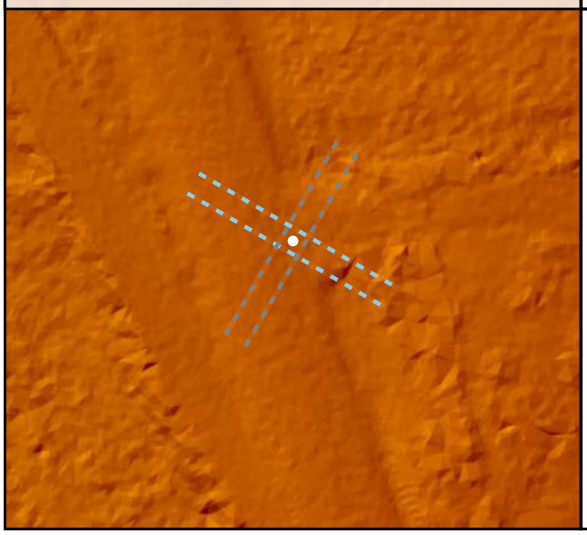
Southeast to Northwest



Intensity Raster



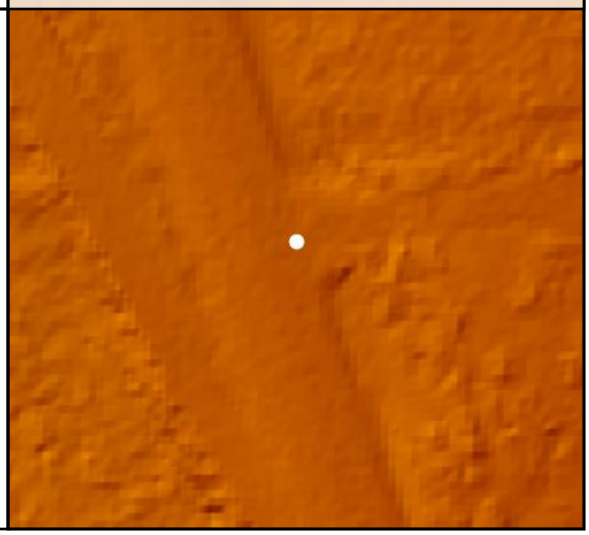
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.06 m

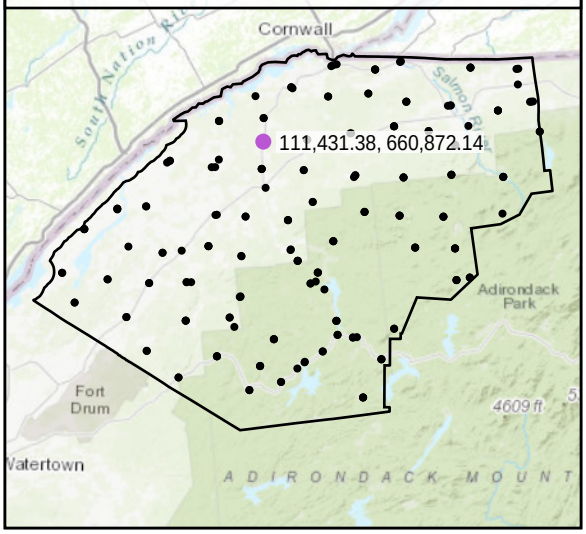
CAL - CA106

Raw TIN Dz +0.06 m

CA107

Known Z	100.78 m	Point Density	5.94 ppsm
DEM Dz	0.03 m	Ground Density	5.31 ppsm
Raw TIN Dz	0.05 m	Slope	1.80 °

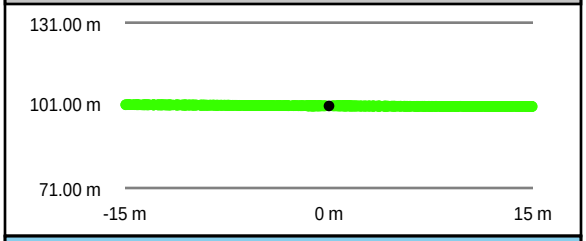
Project Context



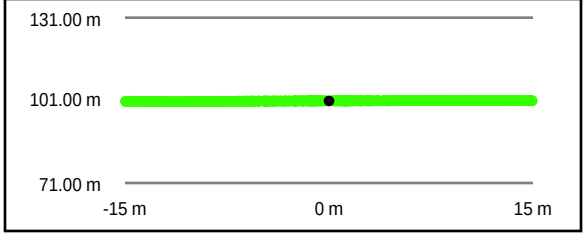
World Imagery



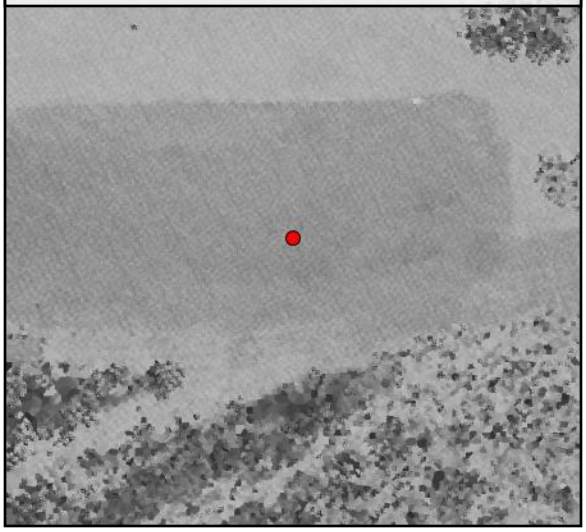
West to East



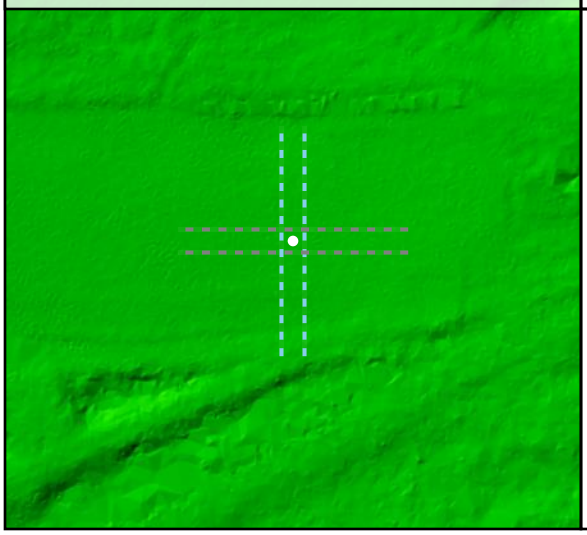
South to North



Intensity Raster



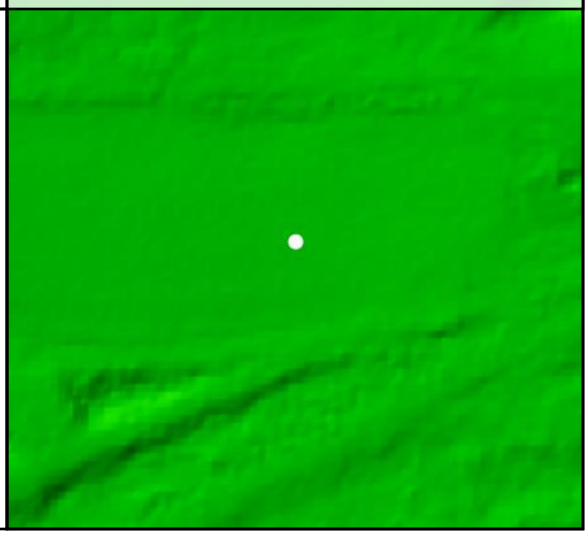
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.03 m

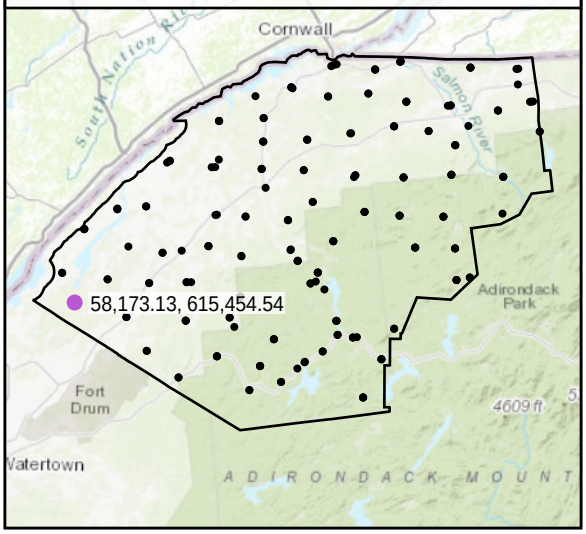
CAL - CA107

Raw TIN Dz +0.05 m

CA108

Known Z	94.53 m	Point Density	5.45 ppsm
DEM Dz	-0.02 m	Ground Density	5.31 ppsm
Raw TIN Dz	-0.01 m	Slope	1.11 °

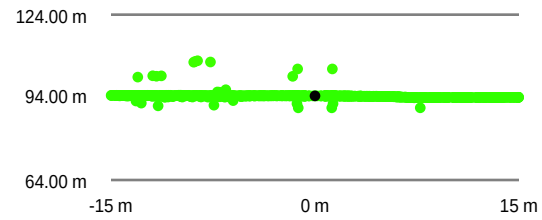
Project Context



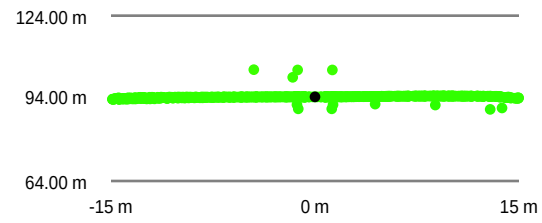
World Imagery



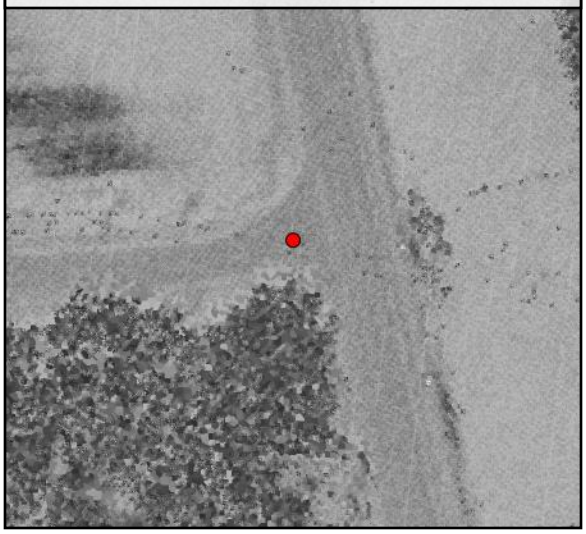
Southeast to Northwest



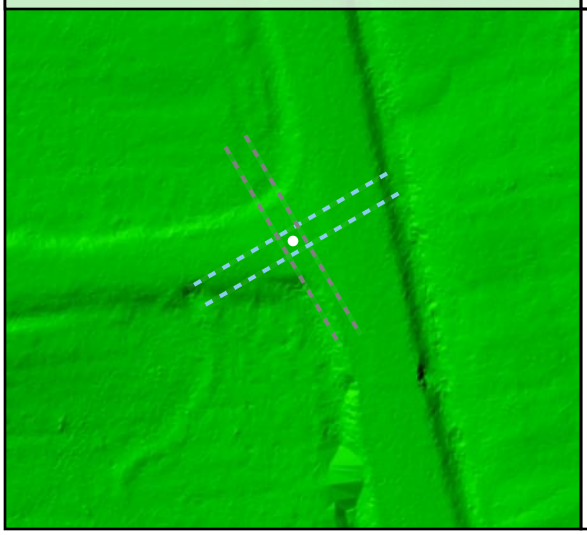
Southwest to Northeast



Intensity Raster



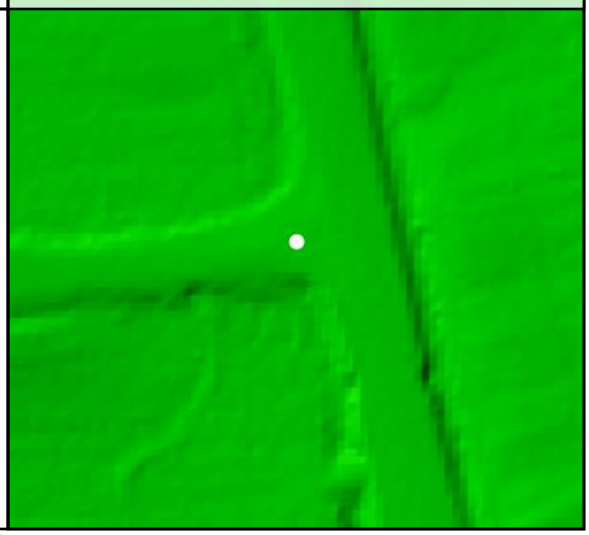
TIN Surface



Project Elevation



DEM Surface



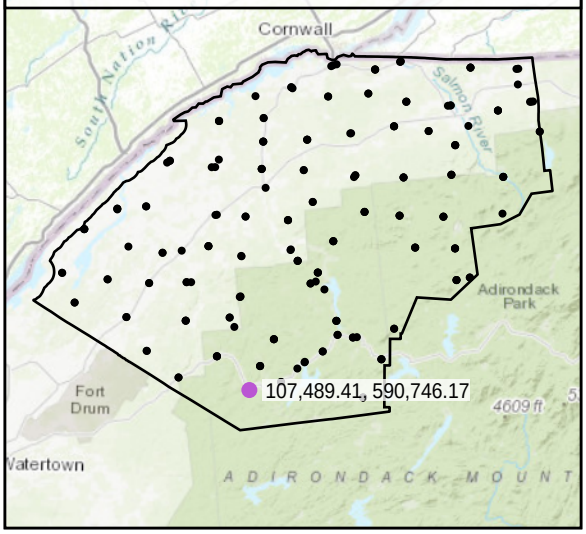
DEM Dz -0.02 m

CAL - CA108

Raw TIN Dz -0.01 m

CA31				
	Known Z	453.86 m	Point Density	5.48 ppsm
	DEM Dz	0.03 m	Ground Density	4.70 ppsm
	Raw TIN Dz	0.03 m	Slope	1.26 °

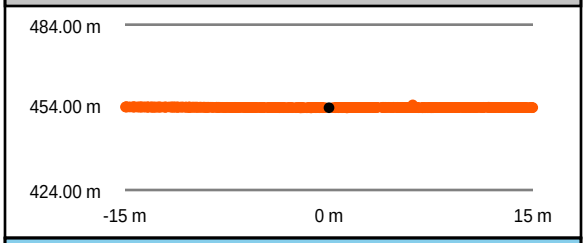
Project Context



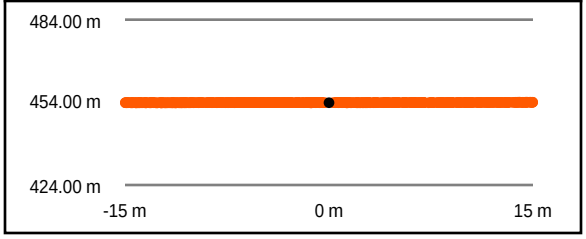
World Imagery



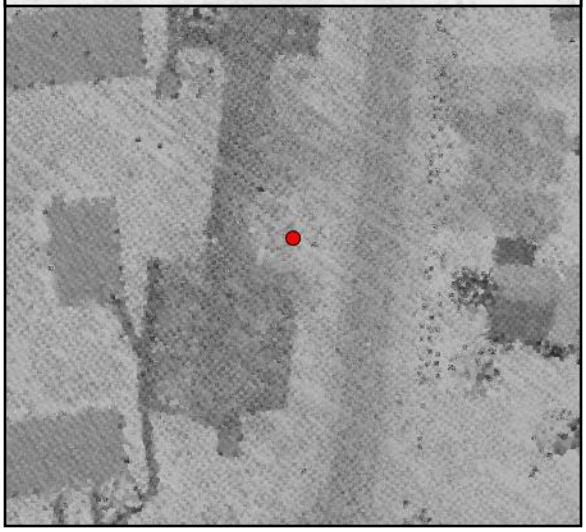
Southwest to Northeast



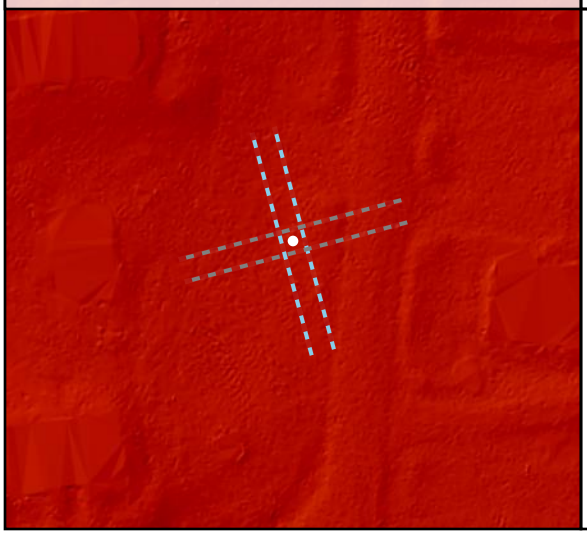
Southeast to Northwest



Intensity Raster



TIN Surface

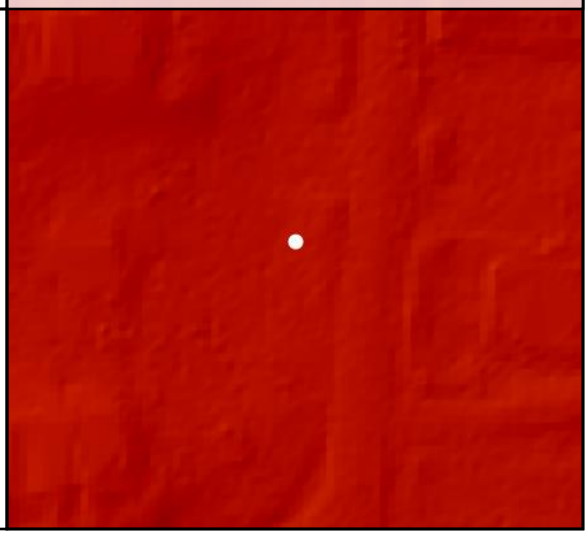


Project Elevation

530.15

94.05

DEM Surface



DEM Dz +0.03 m

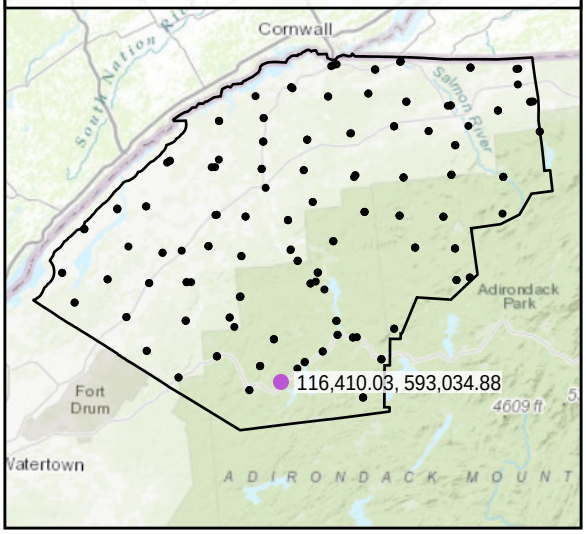
CAL - CA31

Raw TIN Dz +0.03 m

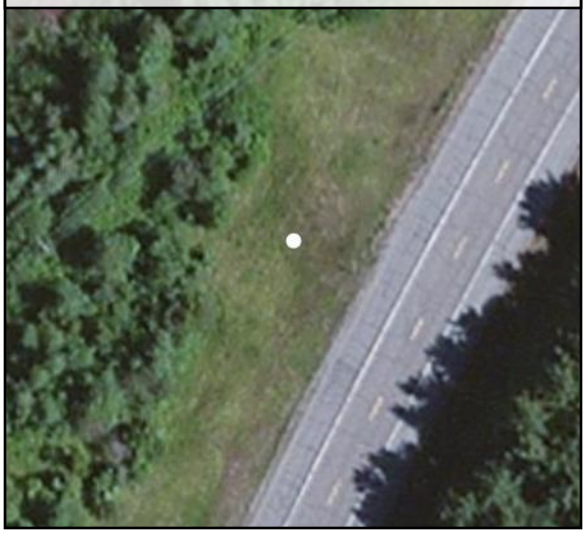
CA32

Known Z	442.35 m	Point Density	5.48 ppsm
DEM Dz	0.07 m	Ground Density	4.88 ppsm
Raw TIN Dz	0.05 m	Slope	2.69 °

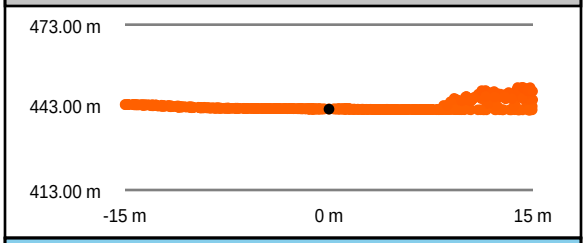
Project Context



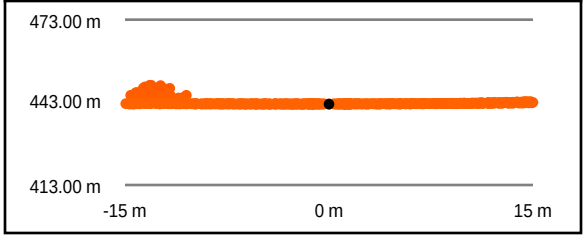
World Imagery



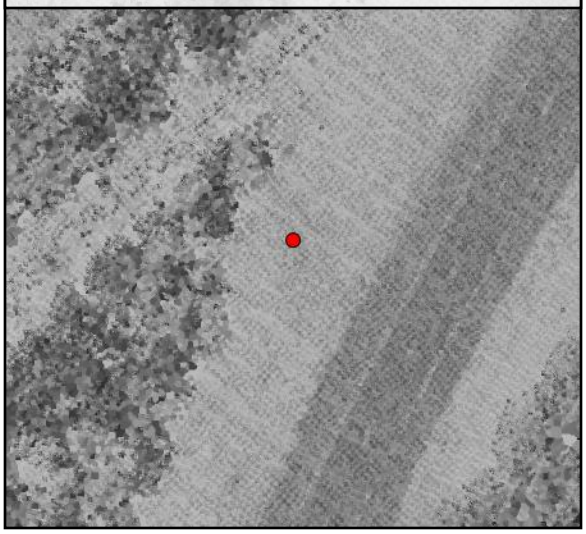
Southeast to Northwest



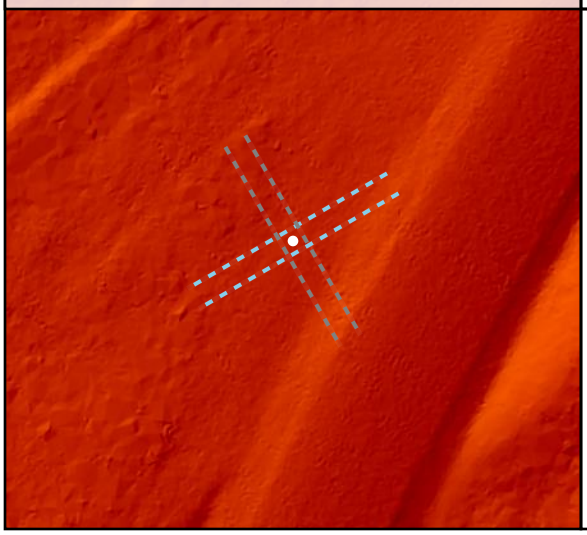
Southwest to Northeast



Intensity Raster



TIN Surface

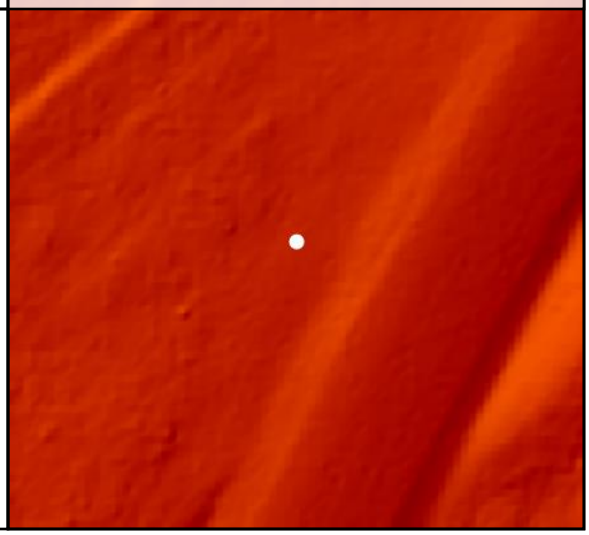


Project Elevation

530.15

71.92

DEM Surface



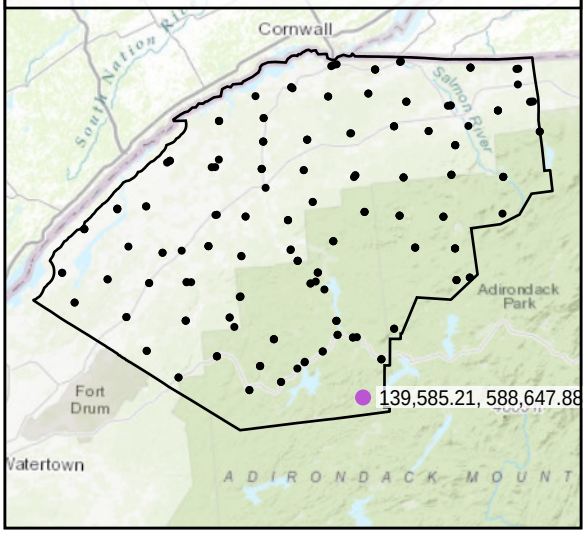
DEM Dz +0.07 m

CAL - CA32

Raw TIN Dz +0.05 m

CA33				
	Known Z	528.82 m	Point Density	2.30 ppsm
	DEM Dz	0.06 m	Ground Density	2.26 ppsm
	Raw TIN Dz	0.07 m	Slope	0.98 °

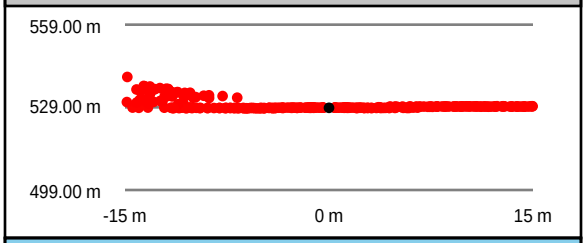
Project Context



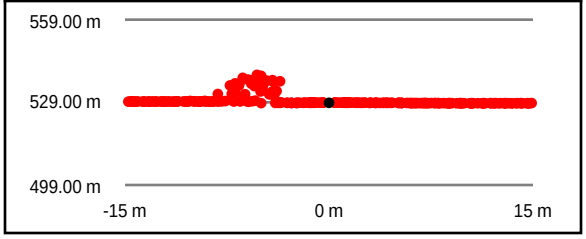
World Imagery



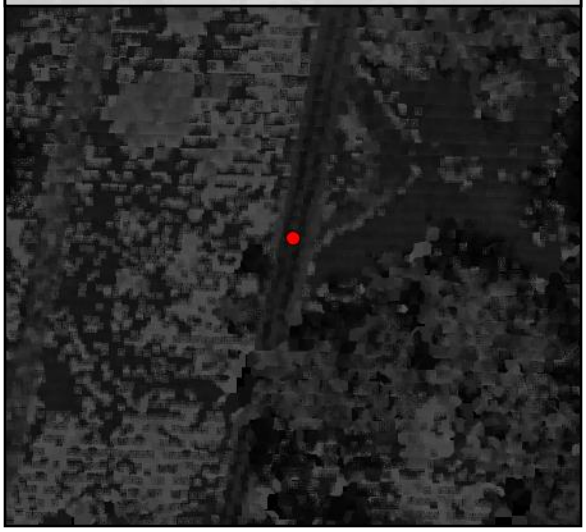
Southeast to Northwest



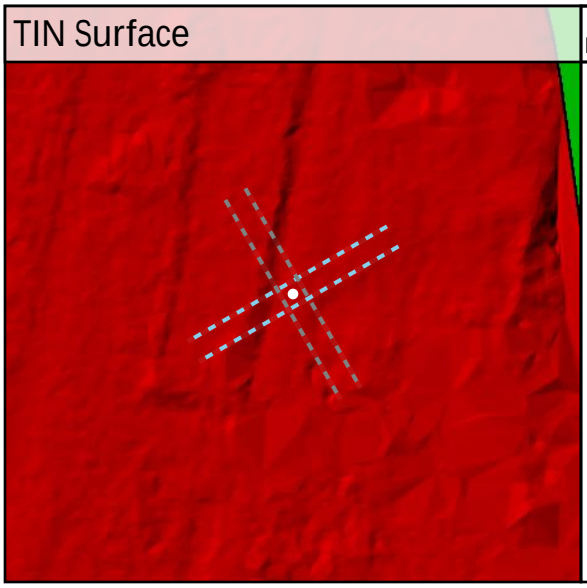
Southwest to Northeast



Intensity Raster



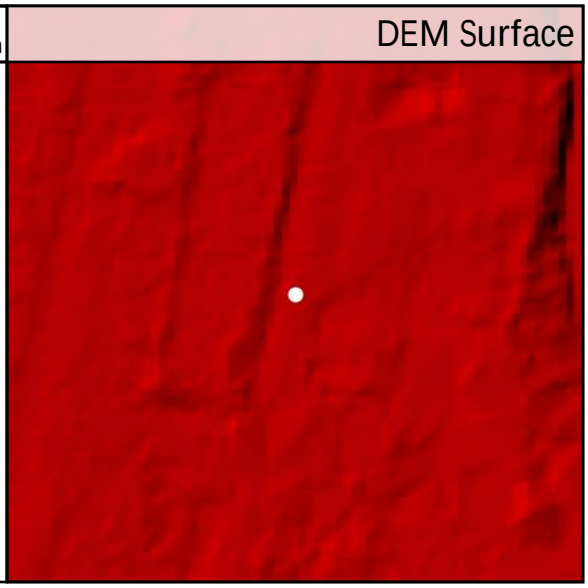
TIN Surface



Project Elevation



DEM Surface



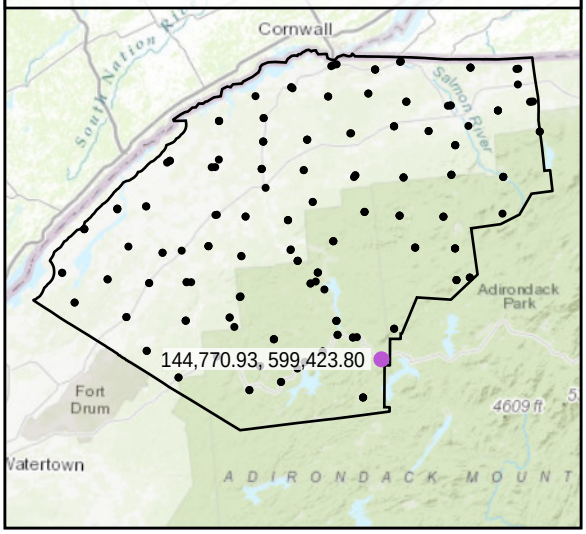
DEM Dz +0.06 m

CAL - CA33

Raw TIN Dz +0.07 m

CA34				
	Known Z	479.76 m	Point Density	2.37 ppsm
	DEM Dz	0.03 m	Ground Density	2.37 ppsm
	Raw TIN Dz	0.03 m	Slope	0.64 °

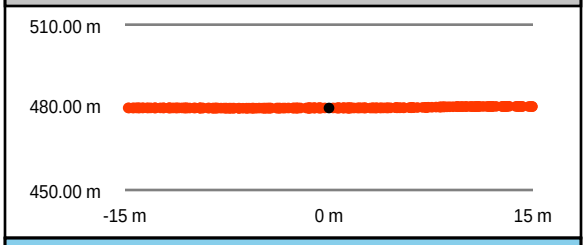
Project Context



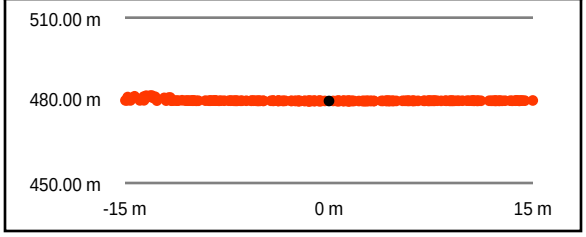
World Imagery



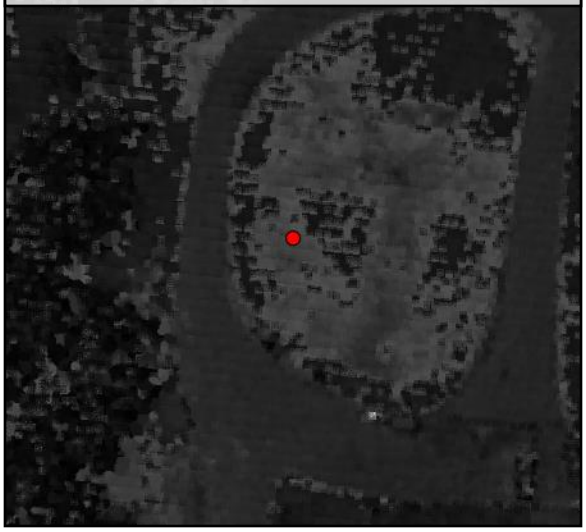
Southeast to Northwest



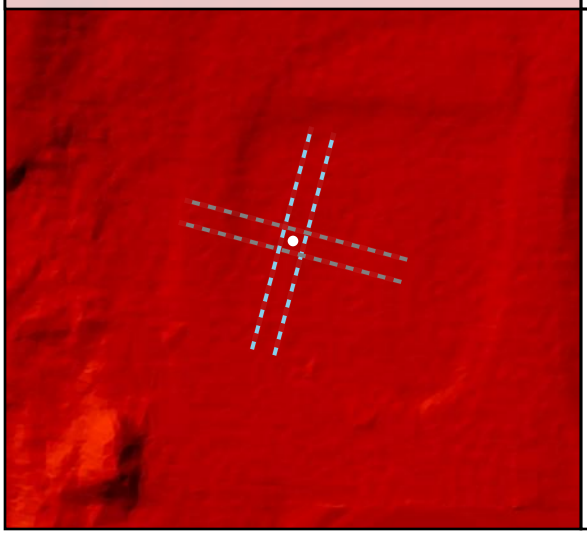
Southwest to Northeast



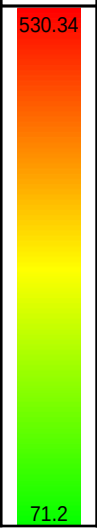
Intensity Raster



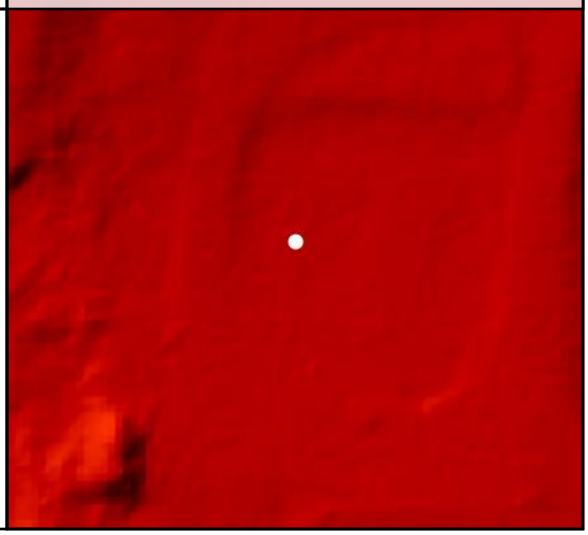
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.03 m

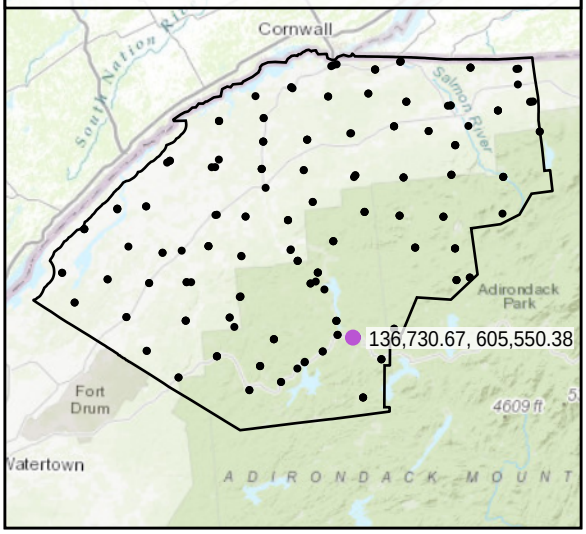
CAL - CA34

Raw TIN Dz +0.03 m

CA35

Known Z	480.13 m	Point Density	3.08 ppsm
DEM Dz	0.02 m	Ground Density	3.01 ppsm
Raw TIN Dz	0.01 m	Slope	3.21 °

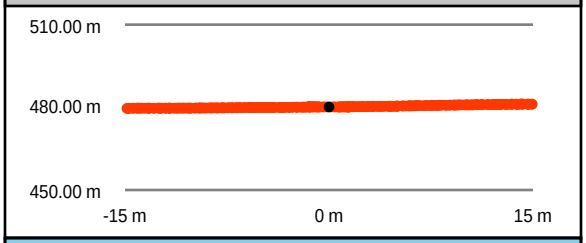
Project Context



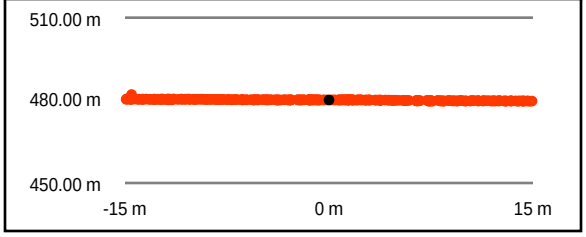
World Imagery



Southwest to Northeast



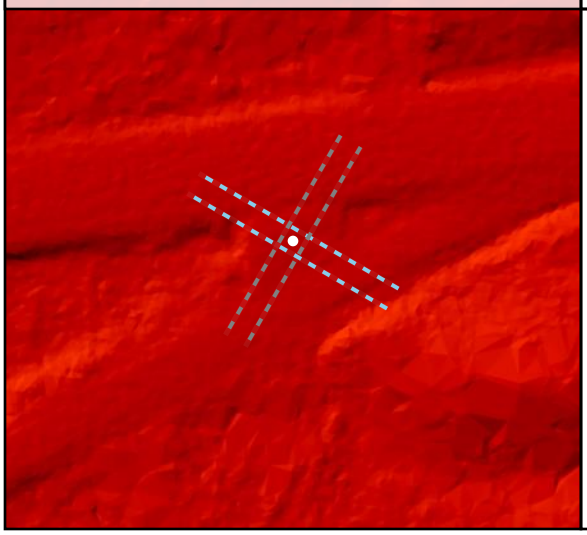
Southeast to Northwest



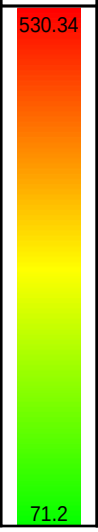
Intensity Raster



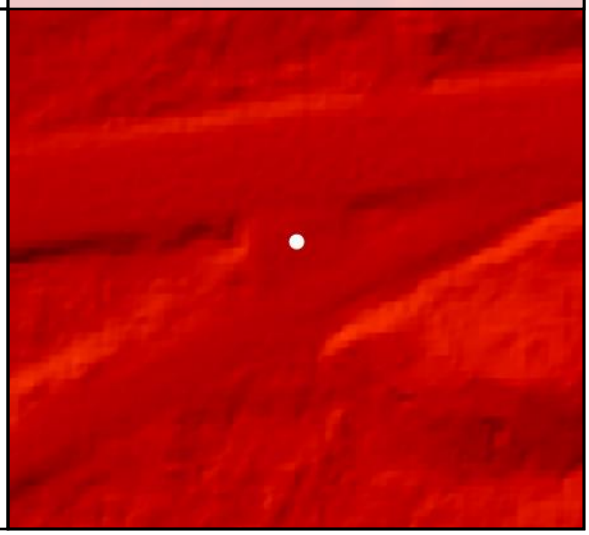
TIN Surface



Project Elevation



DEM Surface



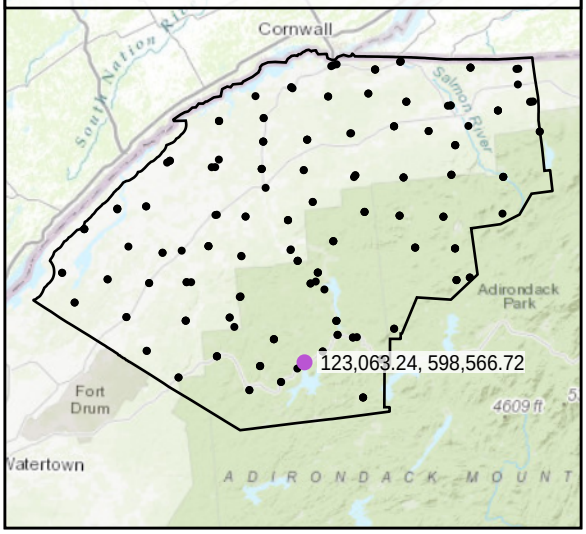
DEM Dz +0.02 m

CAL - CA35

Raw TIN Dz +0.01 m

CA36				
	Known Z	456.20 m	Point Density	4.00 ppsm
	DEM Dz	0.03 m	Ground Density	3.50 ppsm
	Raw TIN Dz	0.02 m	Slope	1.27 °

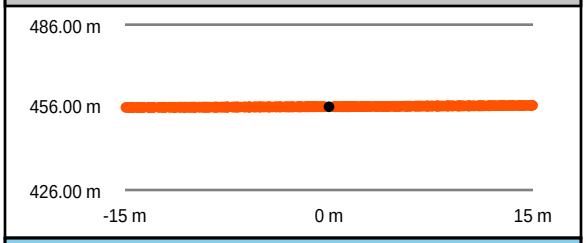
Project Context



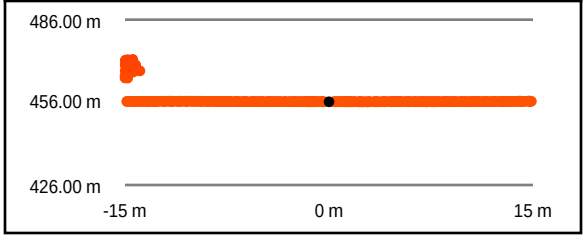
World Imagery



Southwest to Northeast



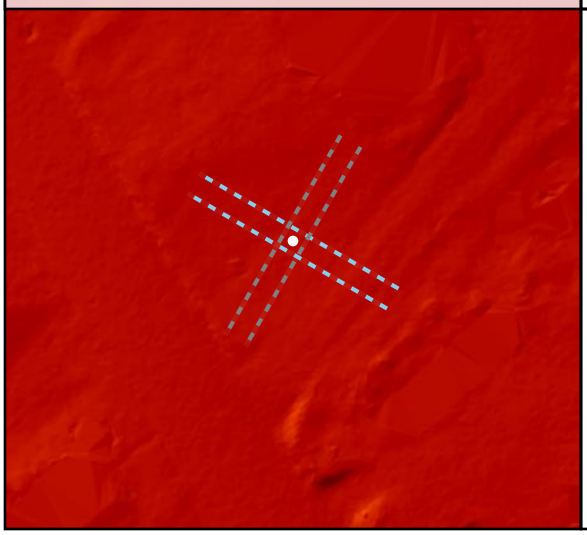
Southeast to Northwest



Intensity Raster



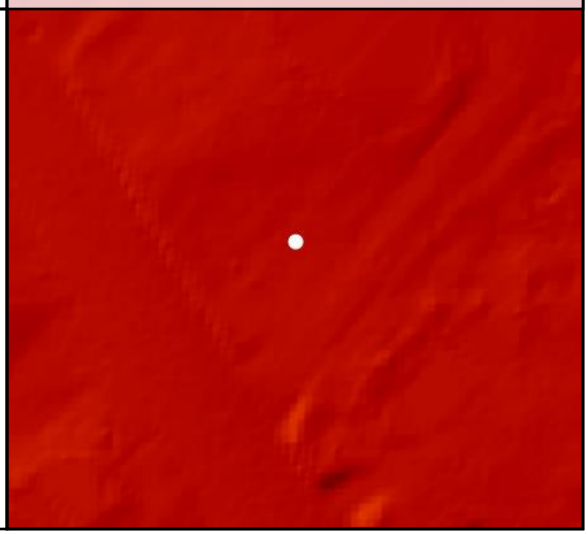
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.03 m

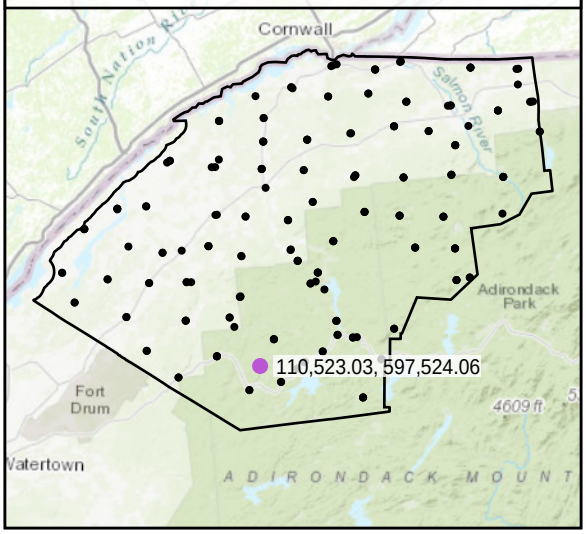
CAL - CA36

Raw TIN Dz +0.02 m

CA37

Known Z	420.94 m	Point Density	3.61 ppsm
DEM Dz	0.06 m	Ground Density	3.36 ppsm
Raw TIN Dz	0.06 m	Slope	1.15 °

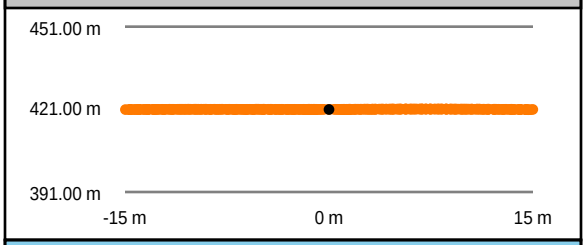
Project Context



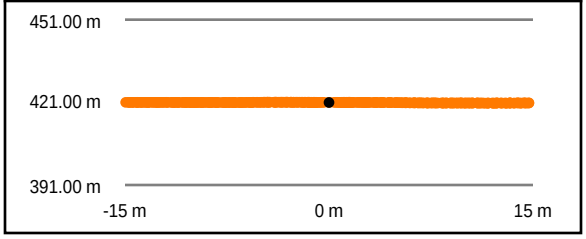
World Imagery



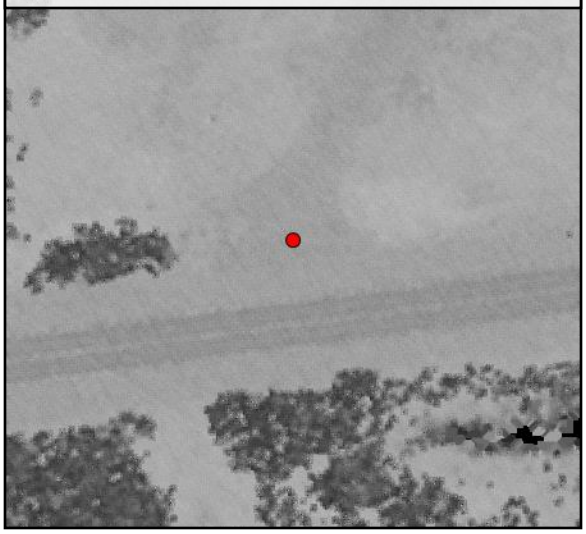
South to North



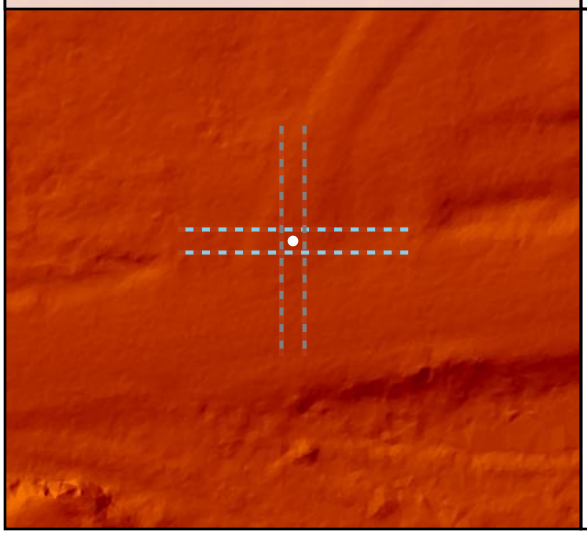
West to East



Intensity Raster



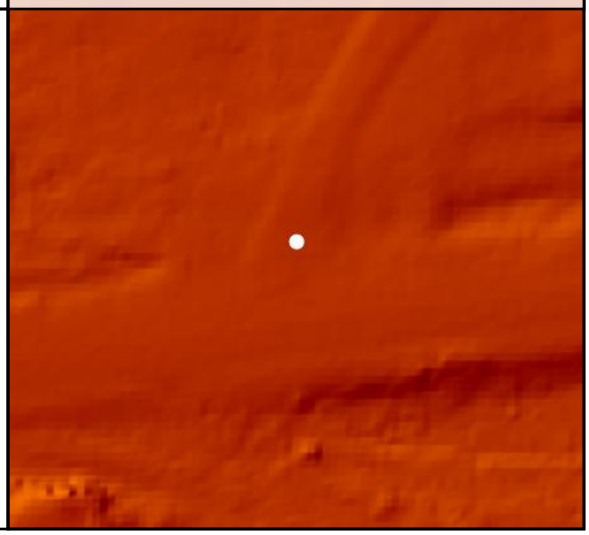
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.06 m

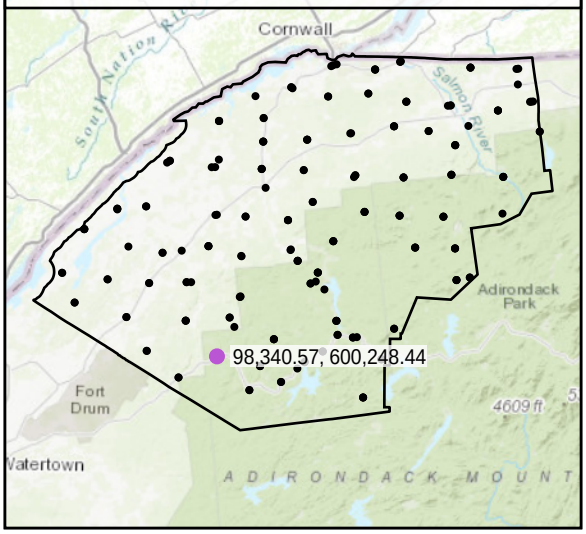
CAL - CA37

Raw TIN Dz +0.06 m

CA38

Known Z	304.33 m	Point Density	3.40 ppsm
DEM Dz	-0.02 m	Ground Density	2.65 ppsm
Raw TIN Dz	-0.02 m	Slope	1.64 °

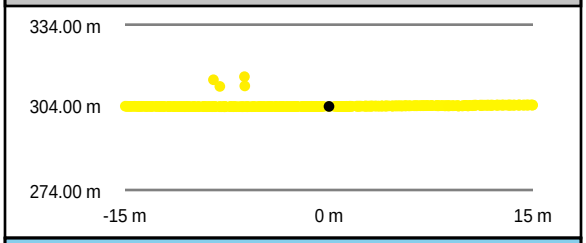
Project Context



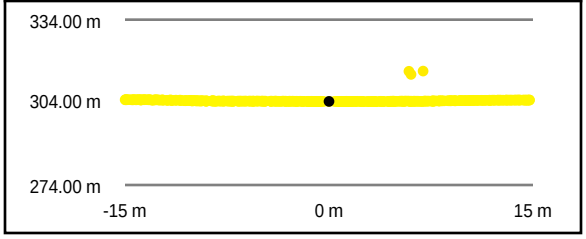
World Imagery



South to North



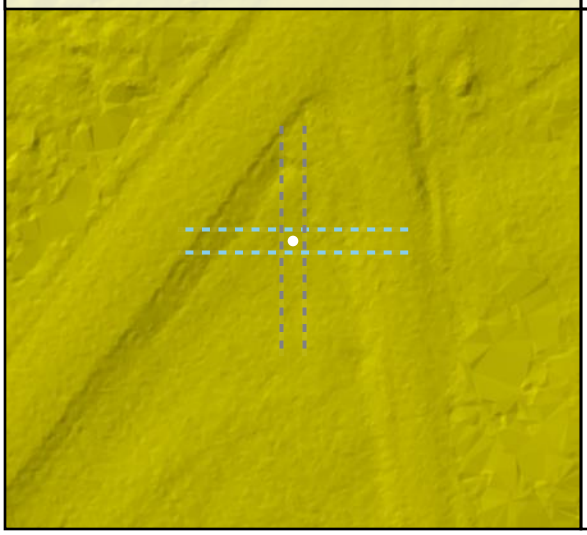
West to East



Intensity Raster



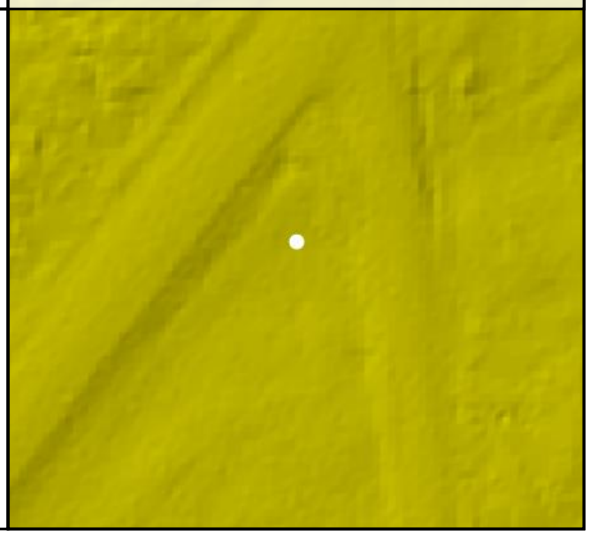
TIN Surface



Project Elevation



DEM Surface



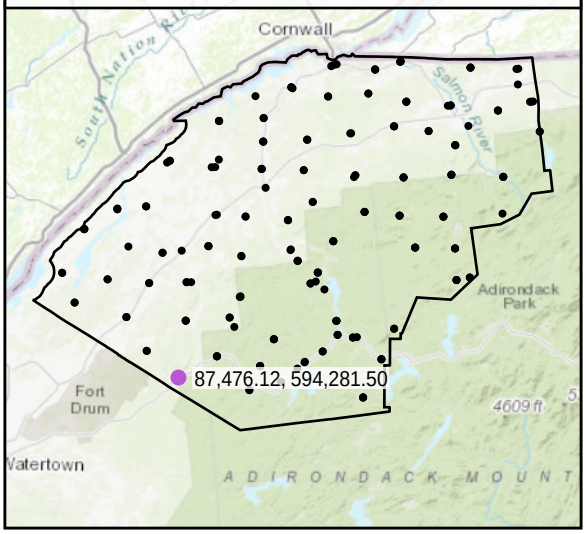
DEM Dz -0.02 m

CAL - CA38

Raw TIN Dz -0.02 m

CA39				
	Known Z	240.46 m	Point Density	2.37 ppsm
	DEM Dz	0.04 m	Ground Density	2.37 ppsm
	Raw TIN Dz	0.03 m	Slope	1.81 °

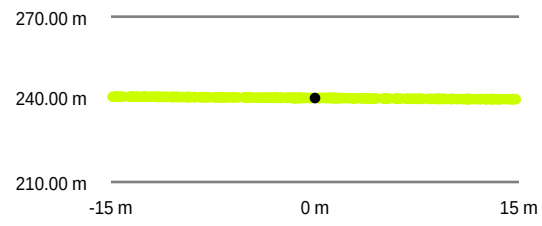
Project Context



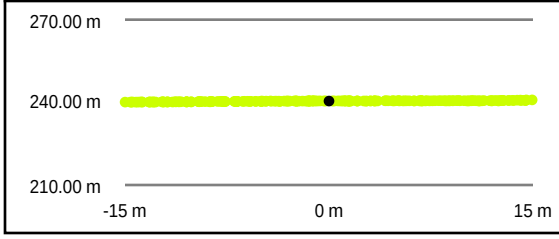
World Imagery



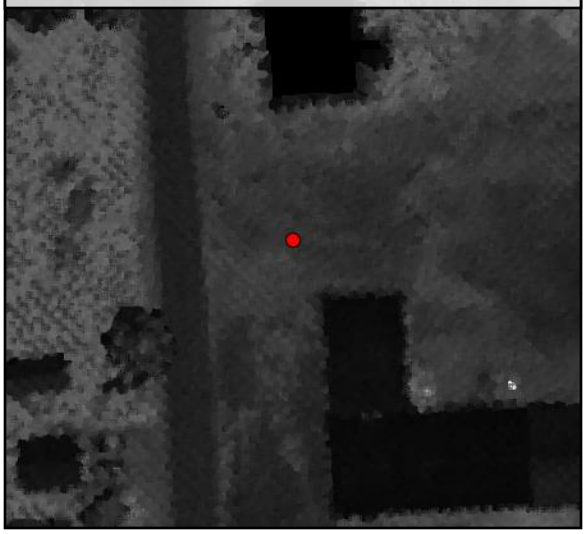
West to East



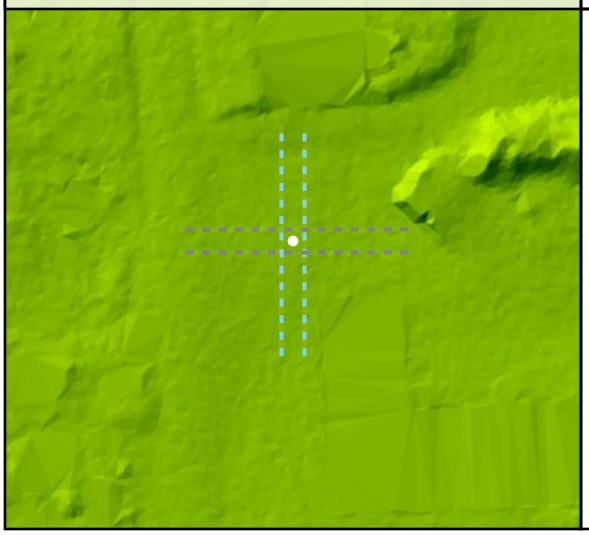
South to North



Intensity Raster



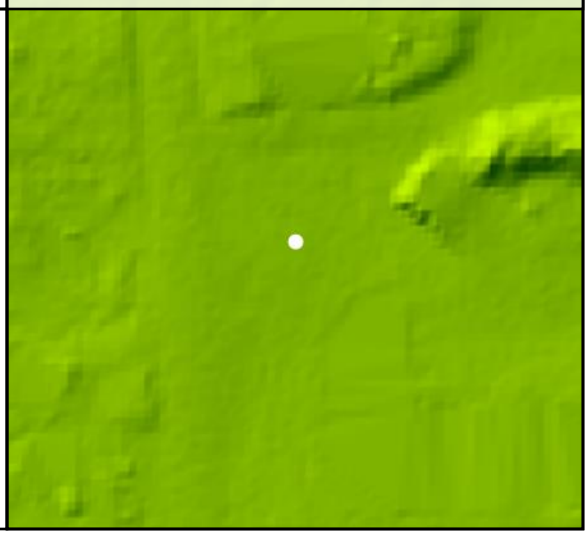
TIN Surface



Project Elevation



DEM Surface



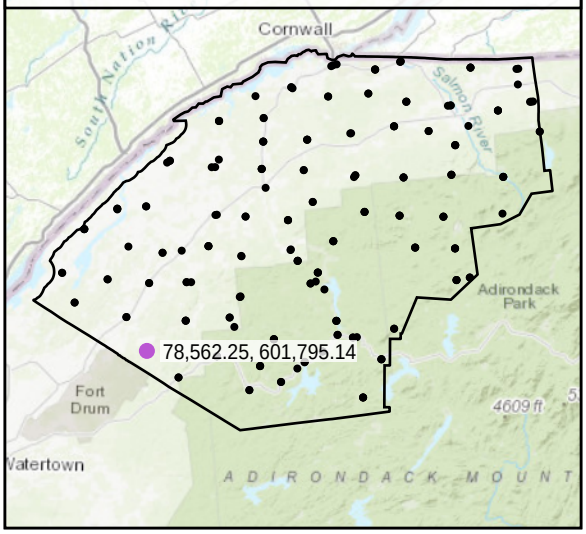
DEM Dz +0.04 m

CAL - CA39

Raw TIN Dz +0.03 m

CA40				
	Known Z	209.82 m	Point Density	6.86 ppsm
	DEM Dz	-0.06 m	Ground Density	6.19 ppsm
	Raw TIN Dz	-0.06 m	Slope	1.18 °

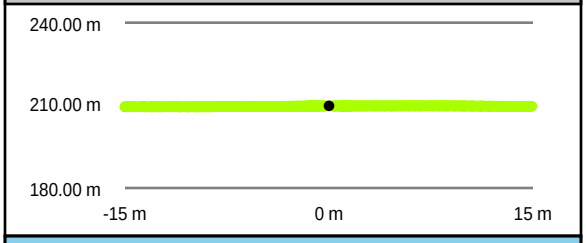
Project Context



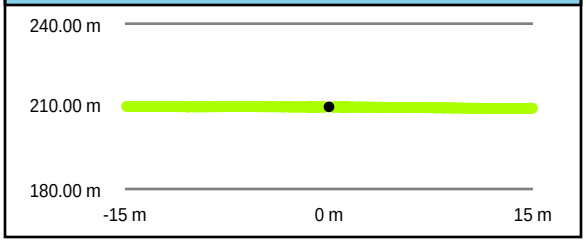
World Imagery



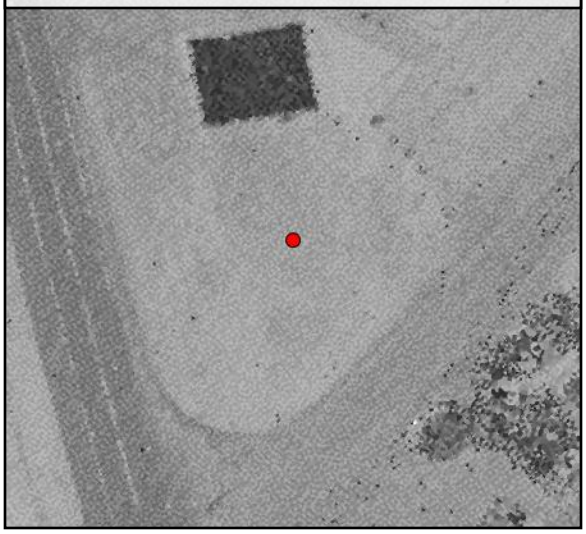
South to North



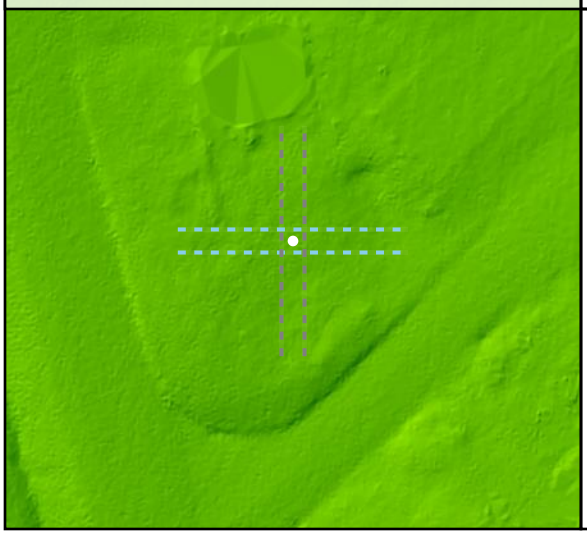
West to East



Intensity Raster



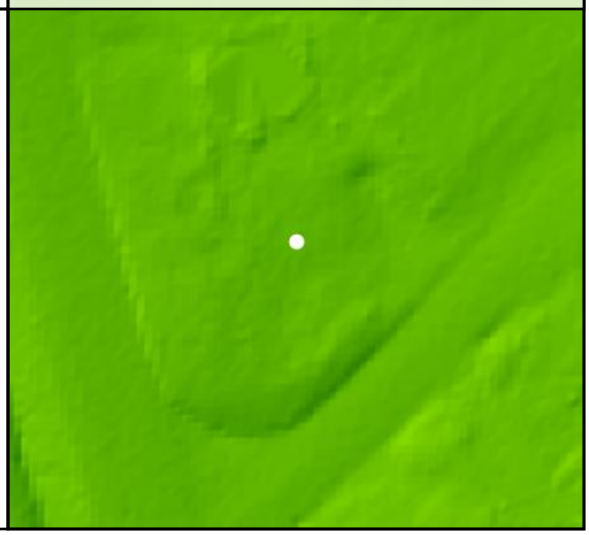
TIN Surface



Project Elevation



DEM Surface



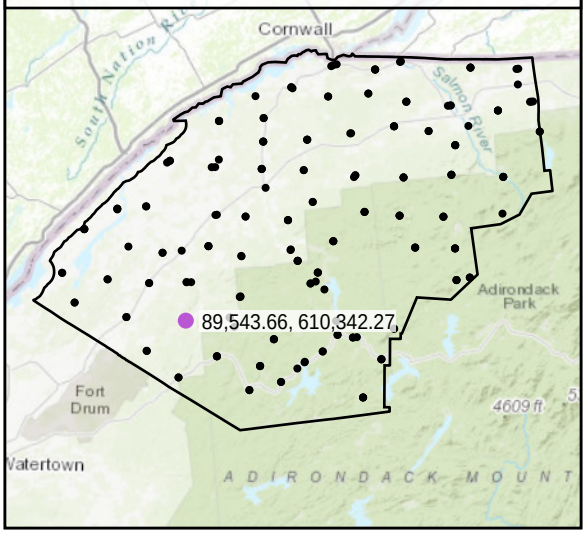
DEM Dz -0.06 m

CAL - CA40

Raw TIN Dz -0.06 m

CA41				
	Known Z	200.34 m	Point Density	3.57 ppsm
	DEM Dz	-0.01 m	Ground Density	3.01 ppsm
	Raw TIN Dz	-0.01 m	Slope	1.66 °

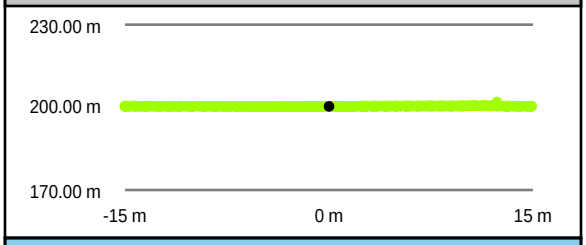
Project Context



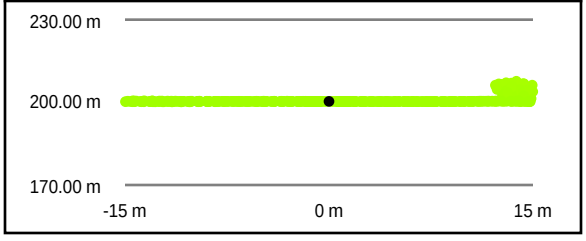
World Imagery



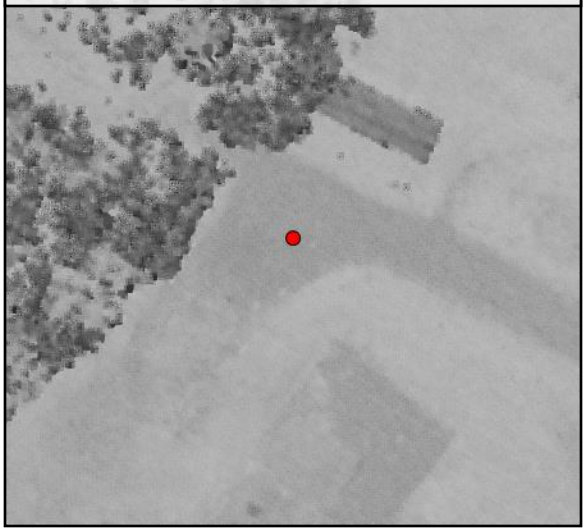
Southwest to Northeast



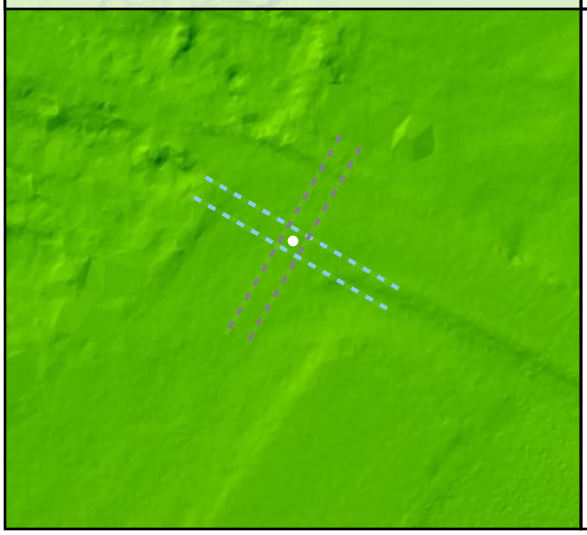
Southeast to Northwest



Intensity Raster



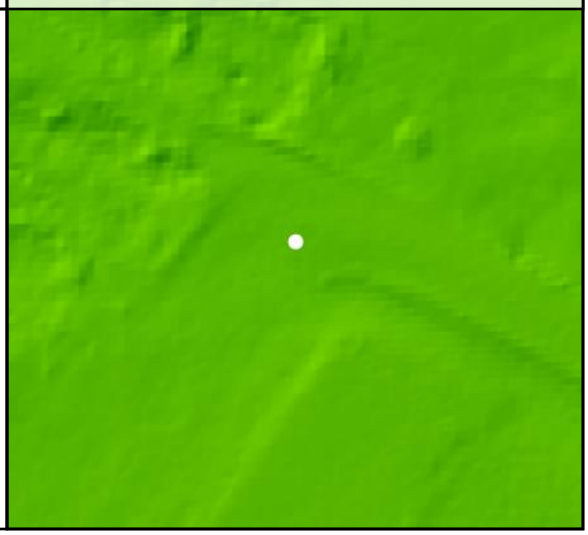
TIN Surface



Project Elevation



DEM Surface



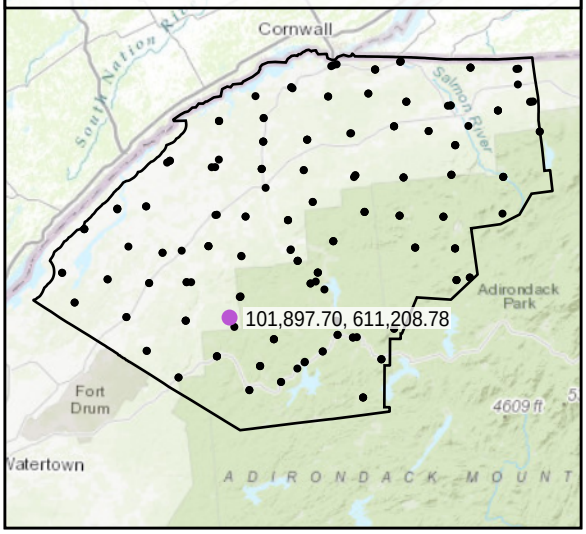
DEM Dz -0.01 m

CAL - CA41

Raw TIN Dz -0.01 m

CA42				
	Known Z	268.56 m	Point Density	2.69 ppsm
	DEM Dz	0.02 m	Ground Density	2.69 ppsm
	Raw TIN Dz	0.02 m	Slope	0.16 °

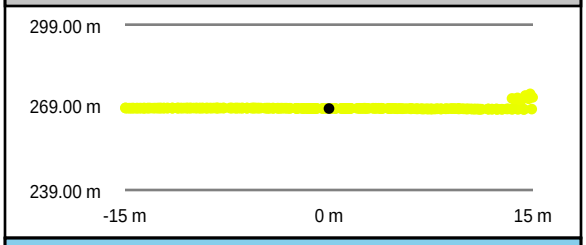
Project Context



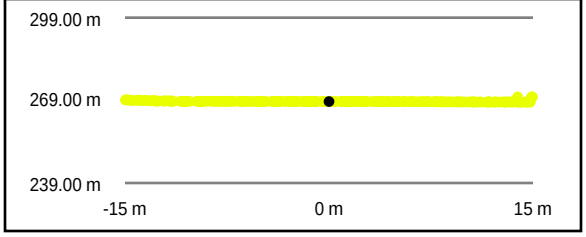
World Imagery



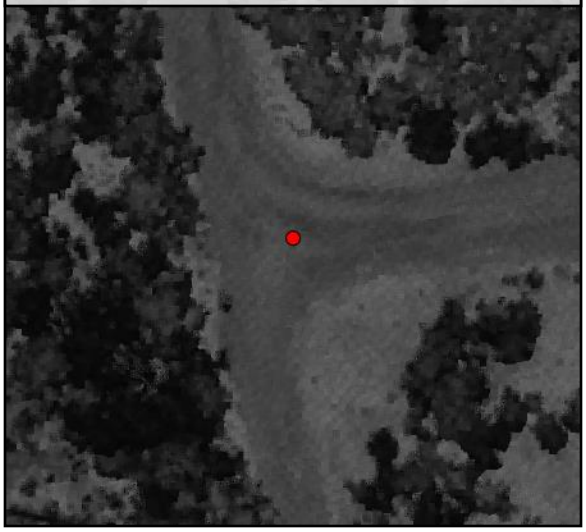
Southwest to Northeast



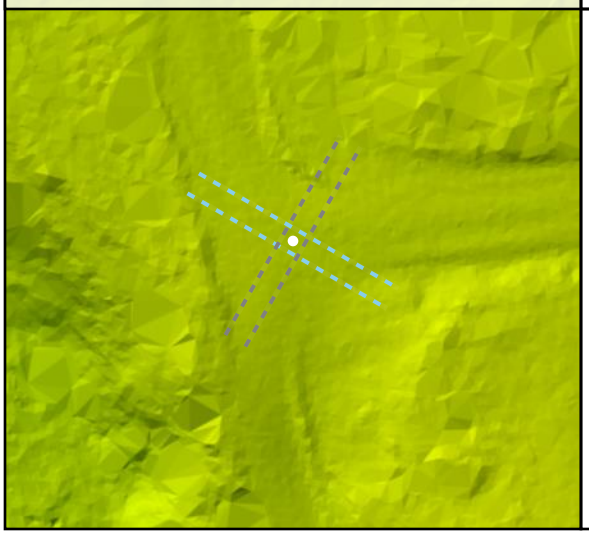
Southeast to Northwest



Intensity Raster



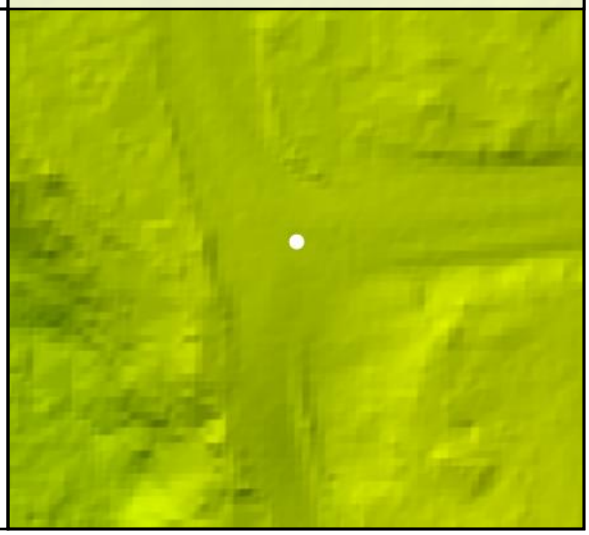
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.02 m

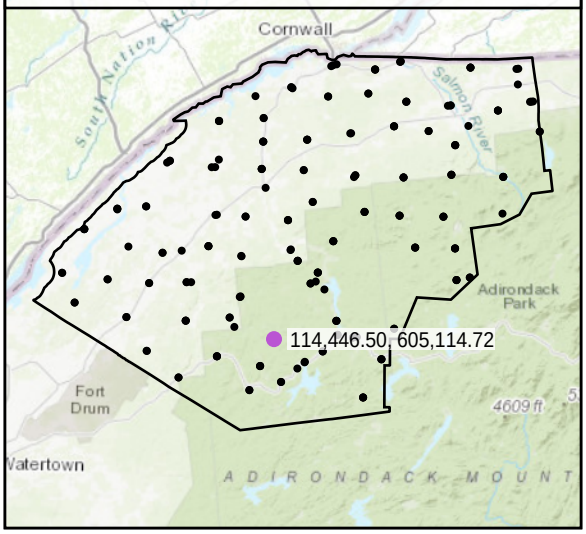
CAL - CA42

Raw TIN Dz +0.02 m

CA43

Known Z	429.06 m	Point Density	5.23 ppsm
DEM Dz	0.01 m	Ground Density	4.24 ppsm
Raw TIN Dz	0.00 m	Slope	1.63 °

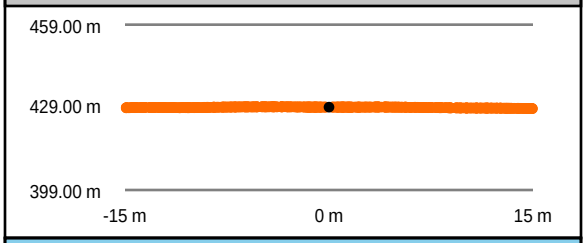
Project Context



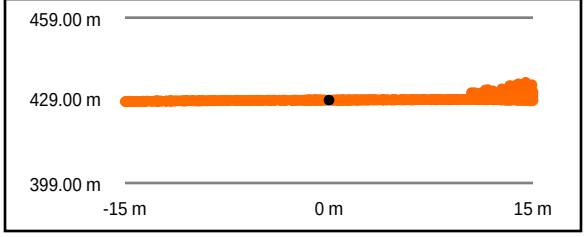
World Imagery



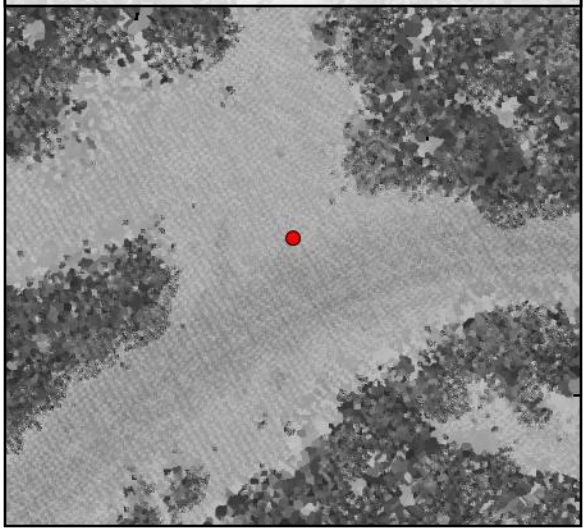
Southeast to Northwest



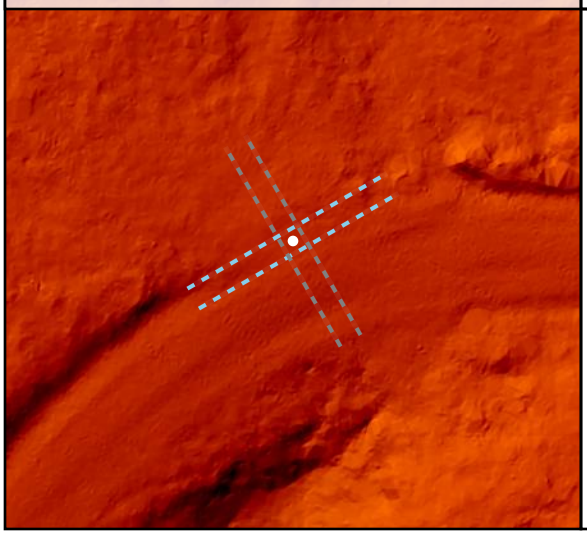
Southwest to Northeast



Intensity Raster



TIN Surface

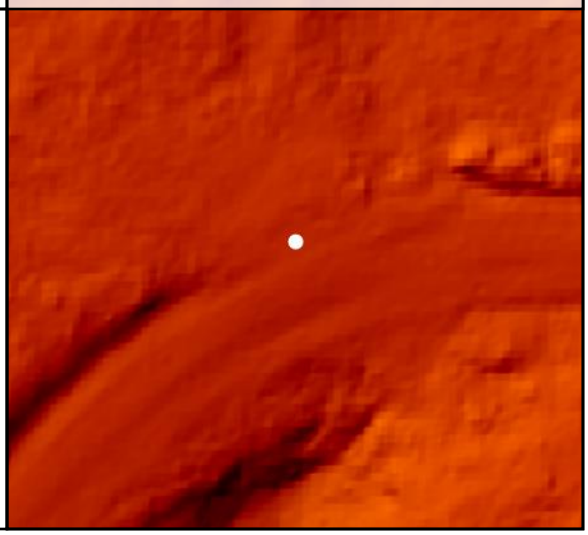


Project Elevation

530.34

48.98

DEM Surface



DEM Dz +0.01 m

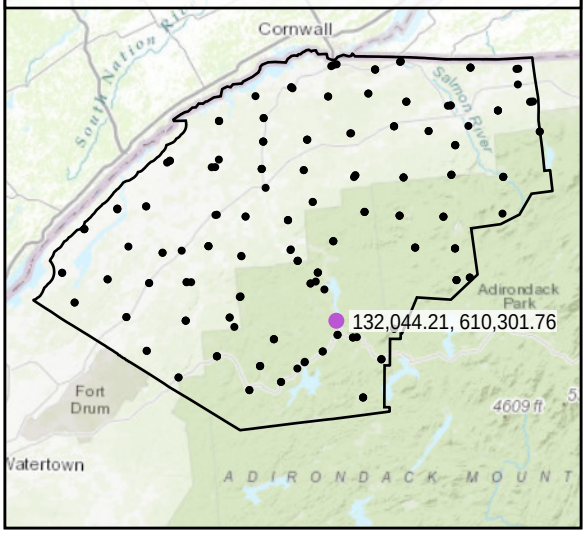
CAL - CA43

Raw TIN Dz +0.00 m

CA44

Known Z	436.10 m	Point Density	2.72 ppsm
DEM Dz	-0.02 m	Ground Density	2.72 ppsm
Raw TIN Dz	-0.03 m	Slope	1.95 °

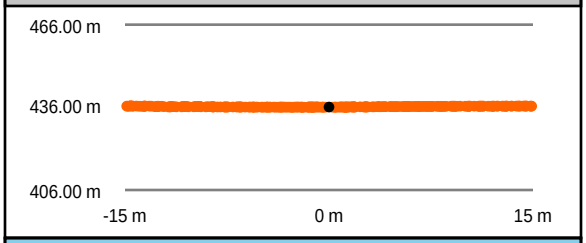
Project Context



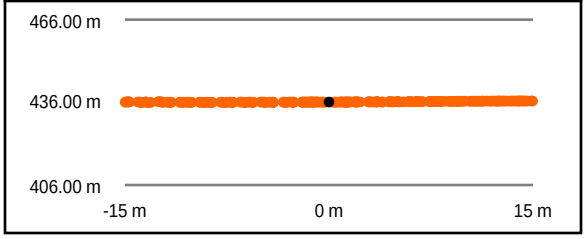
World Imagery



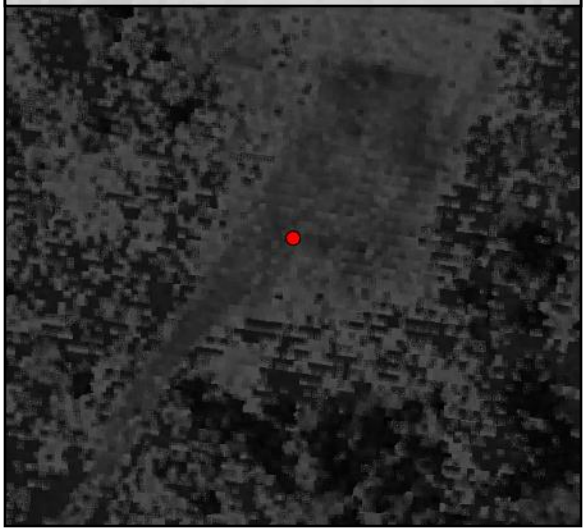
West to East



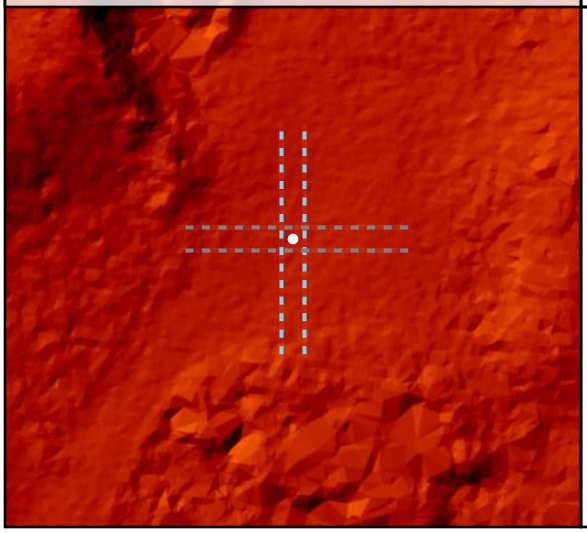
South to North



Intensity Raster



TIN Surface

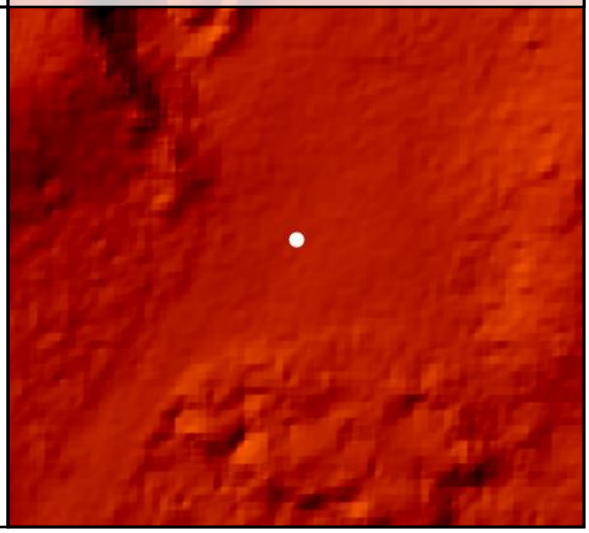


Project Elevation

530.34

48.98

DEM Surface



DEM Dz -0.02 m

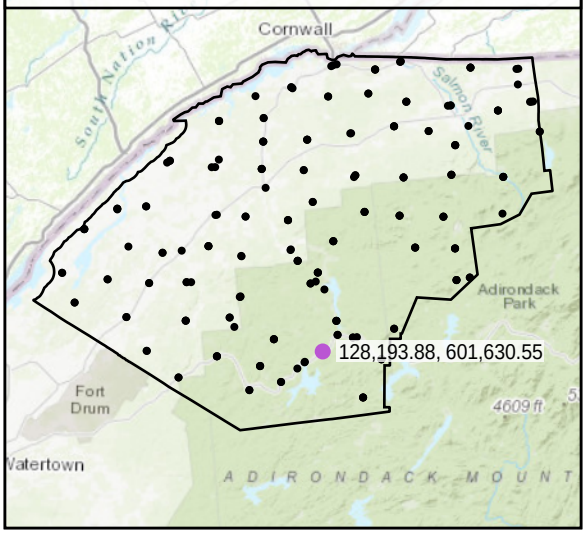
CAL - CA44

Raw TIN Dz -0.03 m

CA45

Known Z	453.82 m	Point Density	2.69 ppsm
DEM Dz	0.01 m	Ground Density	2.69 ppsm
Raw TIN Dz	0.00 m	Slope	1.25 °

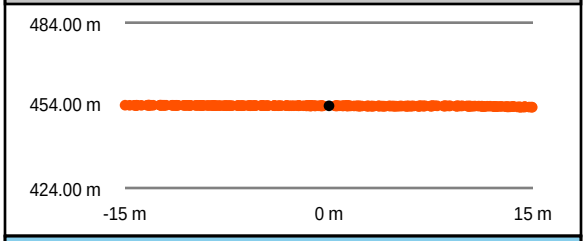
Project Context



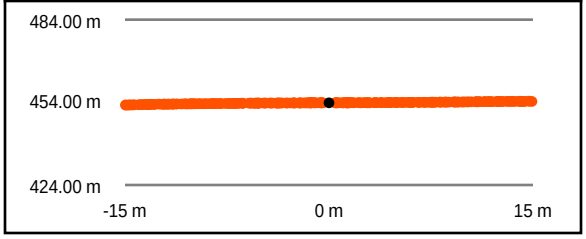
World Imagery



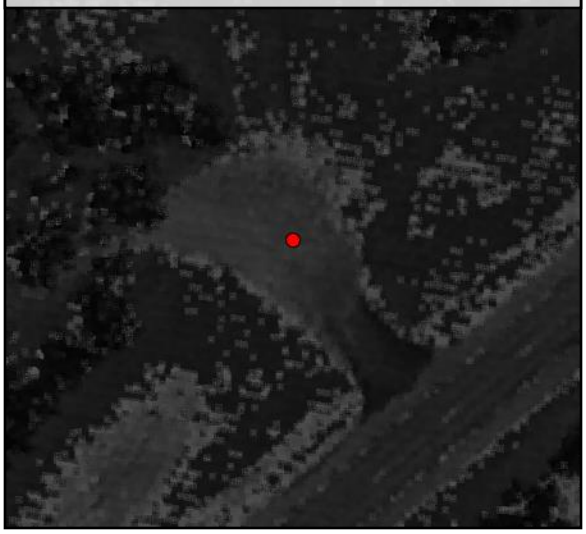
West to East



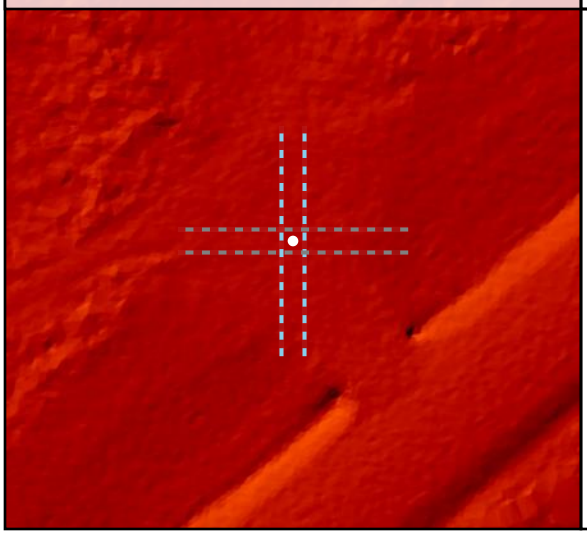
South to North



Intensity Raster



TIN Surface

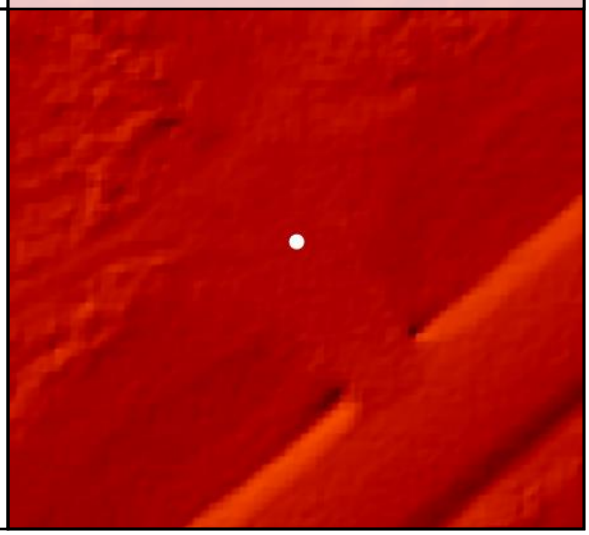


Project Elevation

530.34

48.98

DEM Surface



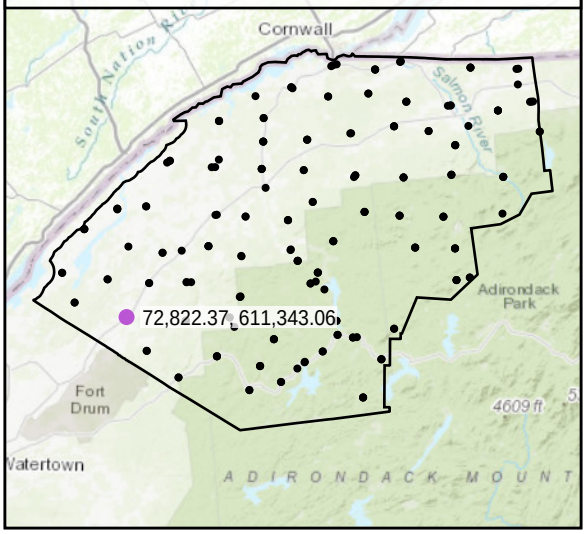
DEM Dz +0.01 m

CAL - CA45

Raw TIN Dz +0.00 m

CA47				
	Known Z	133.49 m	Point Density	4.46 ppsm
	DEM Dz	-0.06 m	Ground Density	4.03 ppsm
	Raw TIN Dz	-0.06 m	Slope	0.53 °

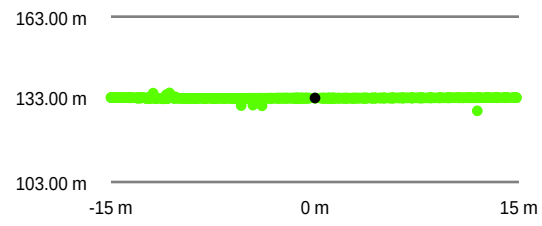
Project Context



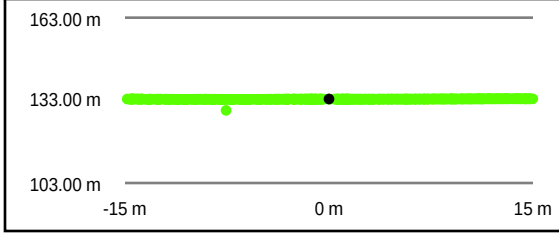
World Imagery



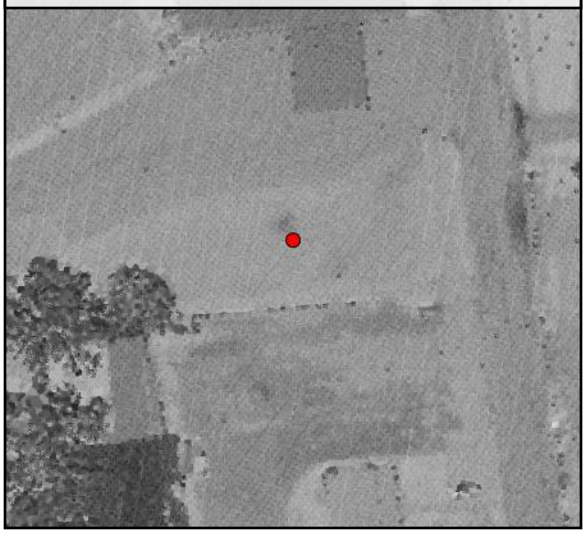
Southwest to Northeast



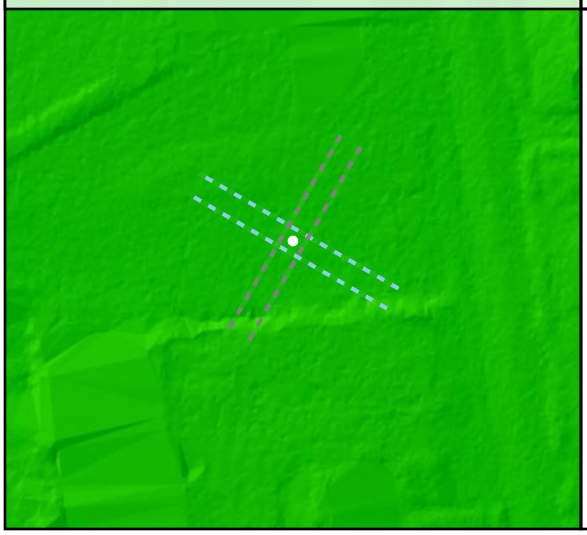
Southeast to Northwest



Intensity Raster



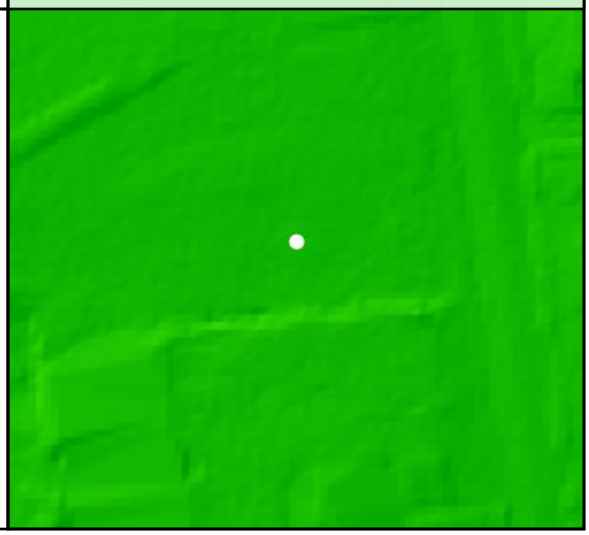
TIN Surface



Project Elevation



DEM Surface



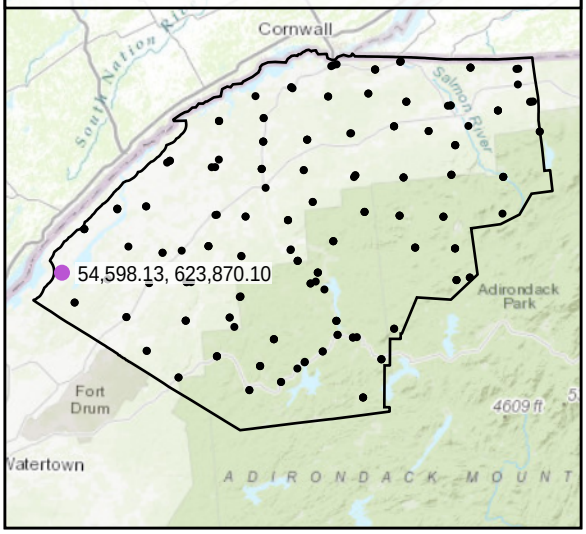
DEM Dz -0.06 m

CAL - CA47

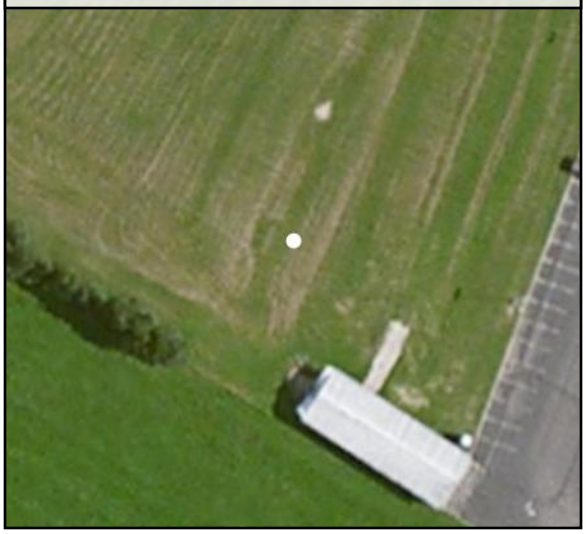
Raw TIN Dz -0.06 m

CA48				
	Known Z	118.12 m	Point Density	3.40 ppsm
	DEM Dz	0.06 m	Ground Density	6.44 ppsm
	Raw TIN Dz	0.06 m	Slope	0.36 °

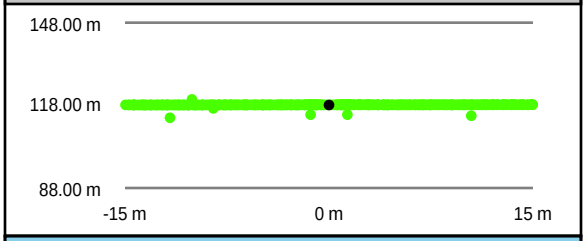
Project Context



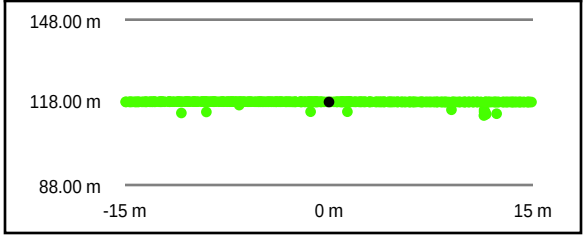
World Imagery



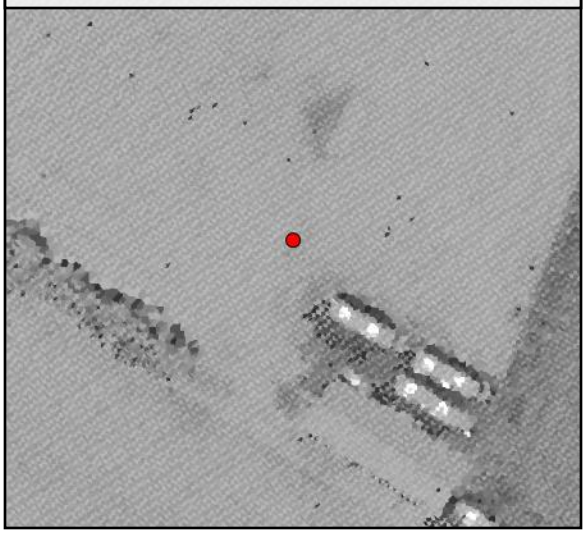
South to North



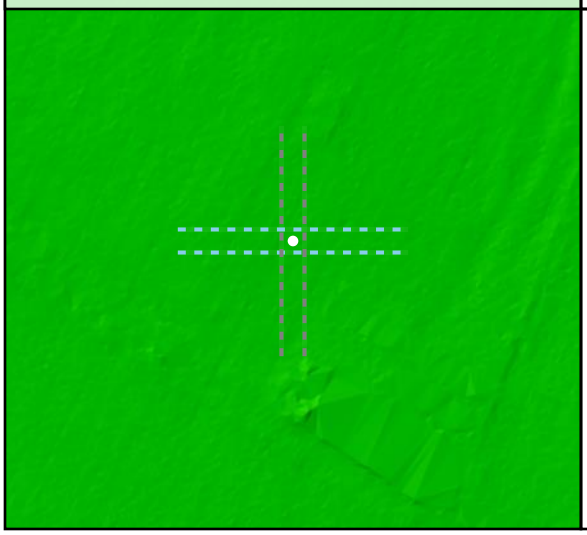
West to East



Intensity Raster



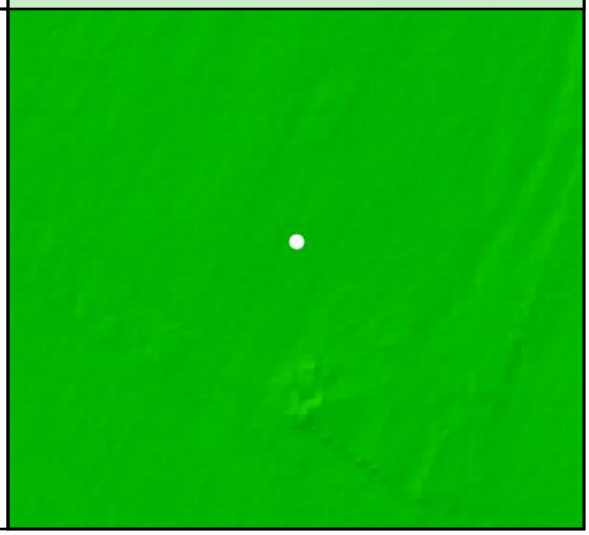
TIN Surface



Project Elevation



DEM Surface



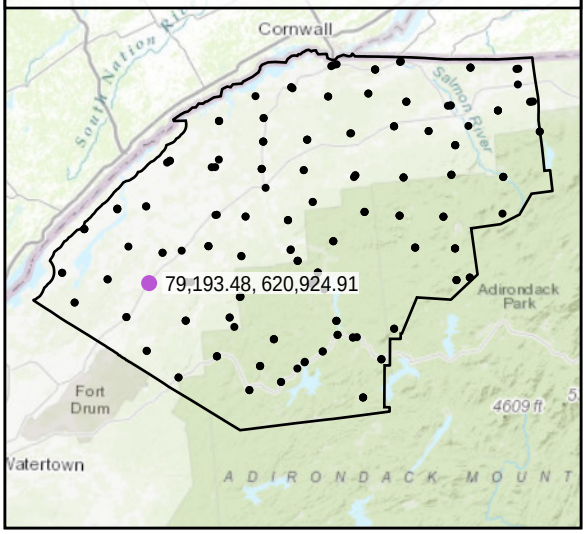
DEM Dz +0.06 m

CAL - CA48

Raw TIN Dz +0.06 m

CA49				
	Known Z	124.07 m	Point Density	5.80 ppsm
	DEM Dz	-0.02 m	Ground Density	5.06 ppsm
	Raw TIN Dz	-0.02 m	Slope	1.70 °

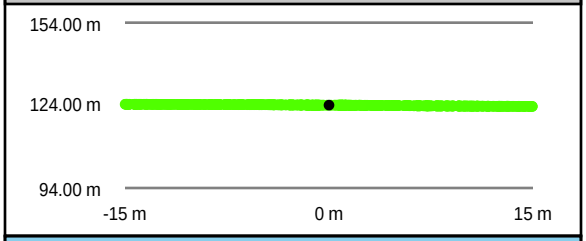
Project Context



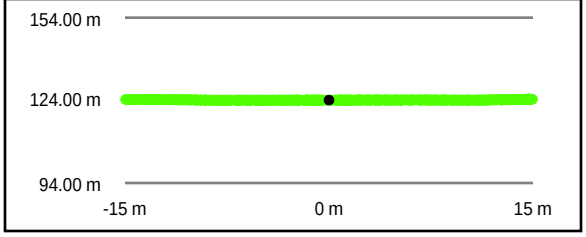
World Imagery



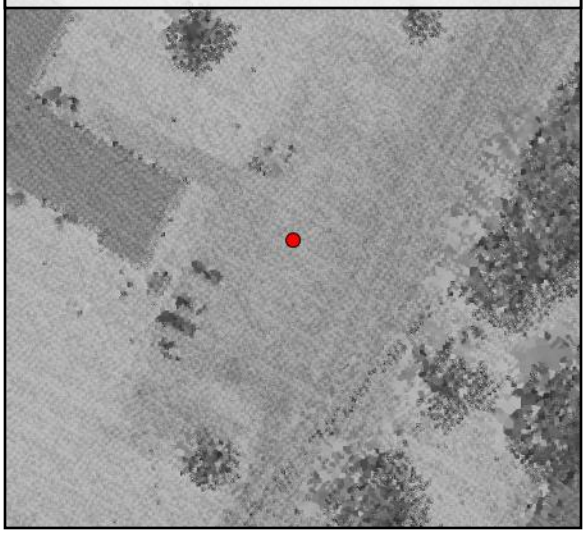
Southwest to Northeast



Southeast to Northwest



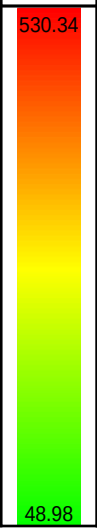
Intensity Raster



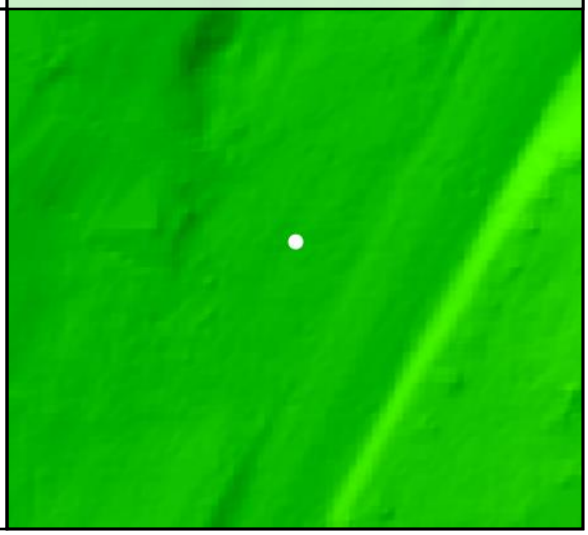
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.02 m

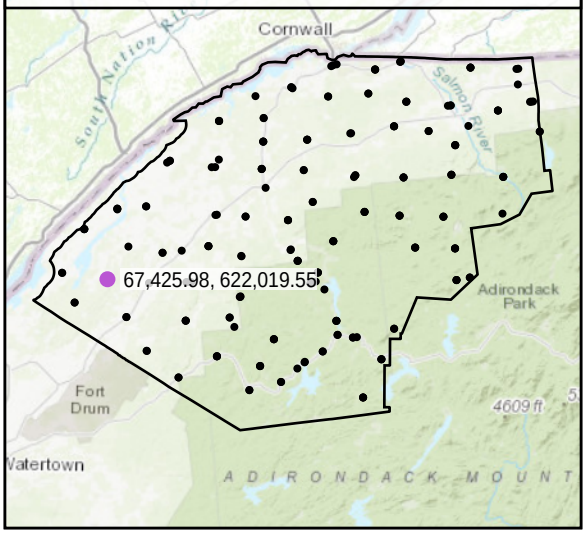
CAL - CA49

Raw TIN Dz -0.02 m

CA50

Known Z	115.44 m	Point Density	3.86 ppsm
DEM Dz	-0.01 m	Ground Density	3.57 ppsm
Raw TIN Dz	0.00 m	Slope	1.39 °

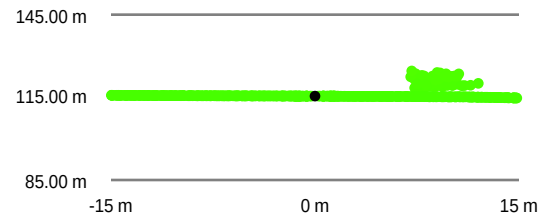
Project Context



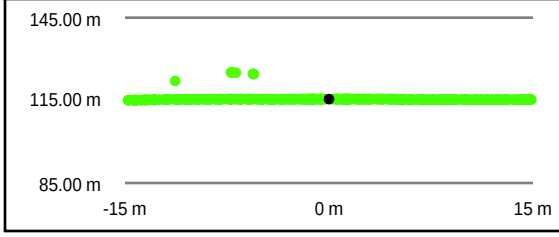
World Imagery



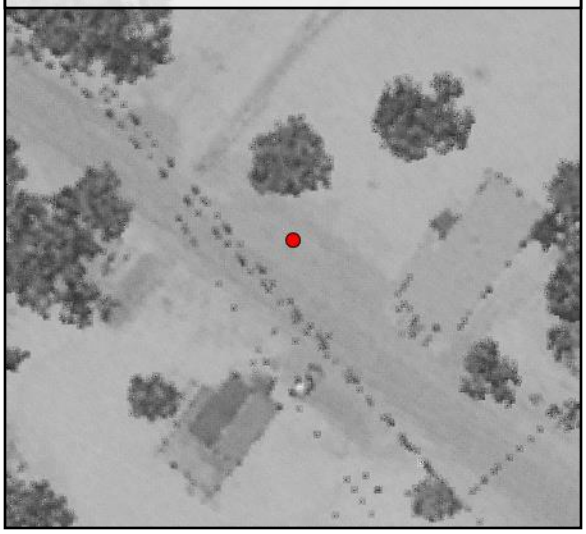
Southeast to Northwest



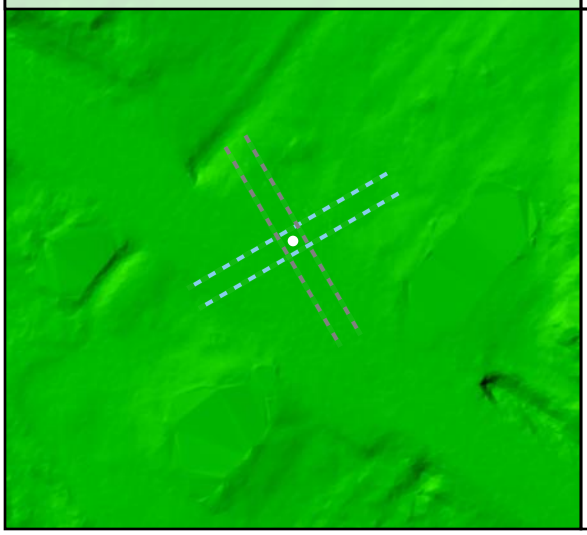
Southwest to Northeast



Intensity Raster



TIN Surface

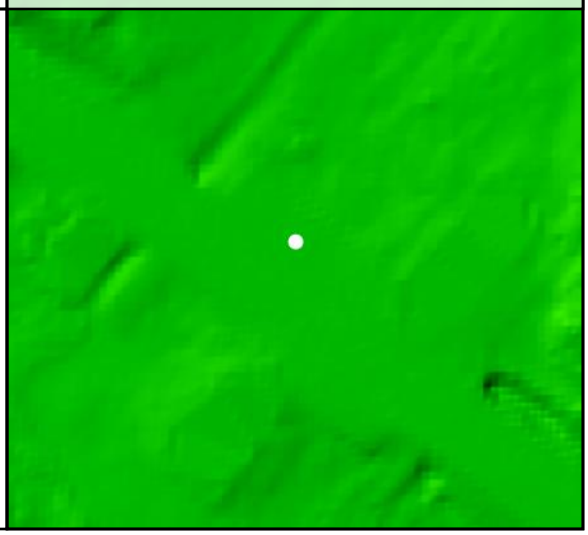


Project Elevation

530.34

48.98

DEM Surface



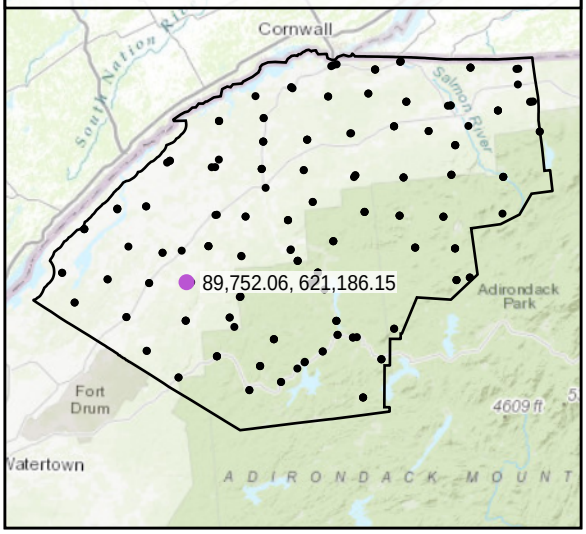
DEM Dz -0.01 m

CAL - CA50

Raw TIN Dz 0.00 m

CA51				
	Known Z	167.88 m	Point Density	5.80 ppsm
	DEM Dz	-0.01 m	Ground Density	5.13 ppsm
	Raw TIN Dz	-0.02 m	Slope	1.03 °

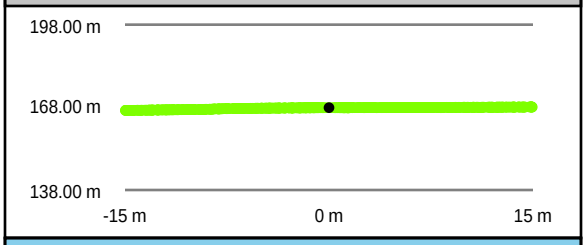
Project Context



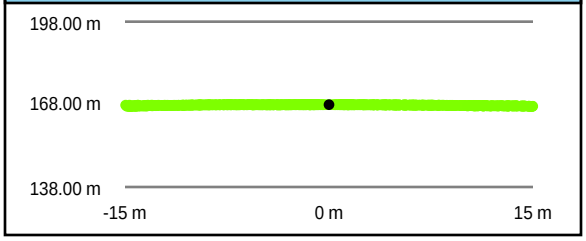
World Imagery



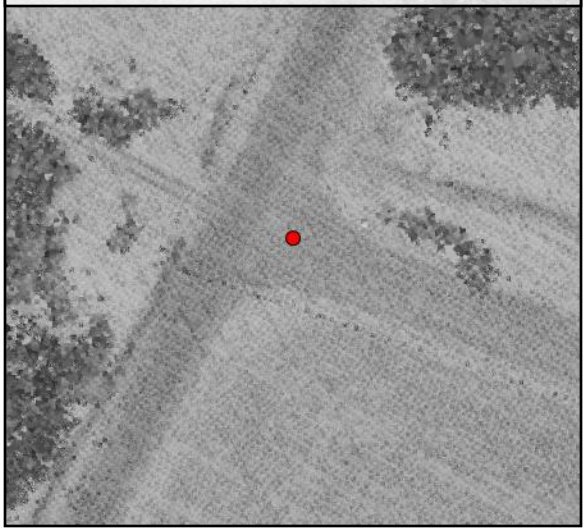
South to North



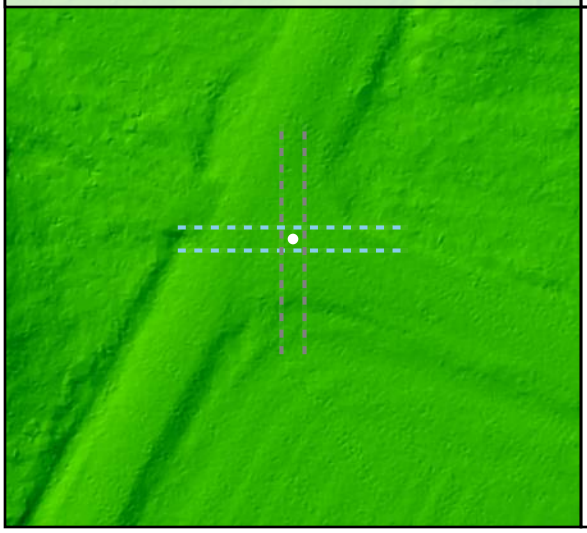
West to East



Intensity Raster



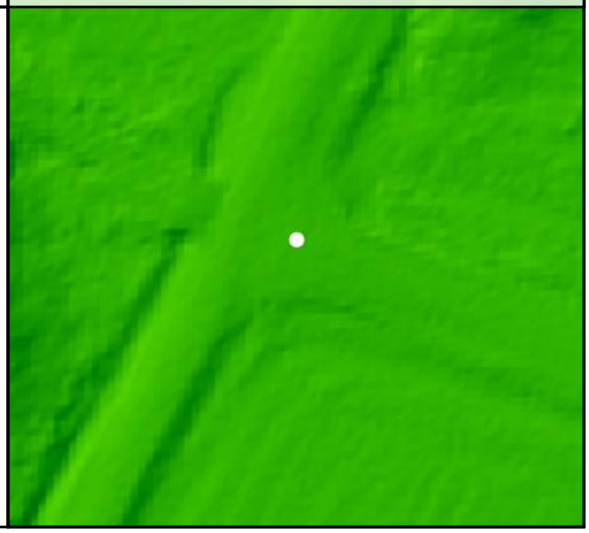
TIN Surface



Project Elevation



DEM Surface



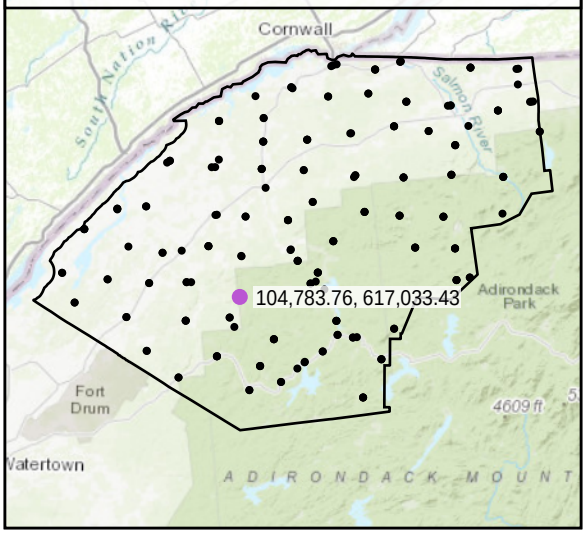
DEM Dz -0.01 m

CAL - CA51

Raw TIN Dz -0.02 m

CA52				
	Known Z	247.78 m	Point Density	2.41 ppsm
	DEM Dz	-0.07 m	Ground Density	2.19 ppsm
	Raw TIN Dz	-0.08 m	Slope	0.46 °

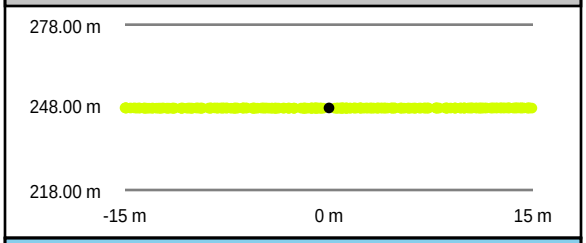
Project Context



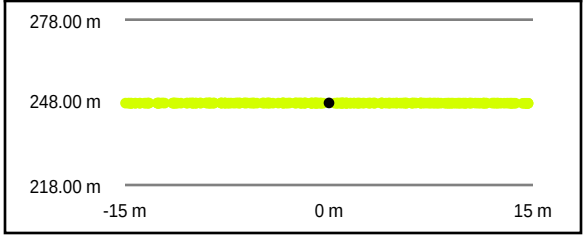
World Imagery



Southwest to Northeast



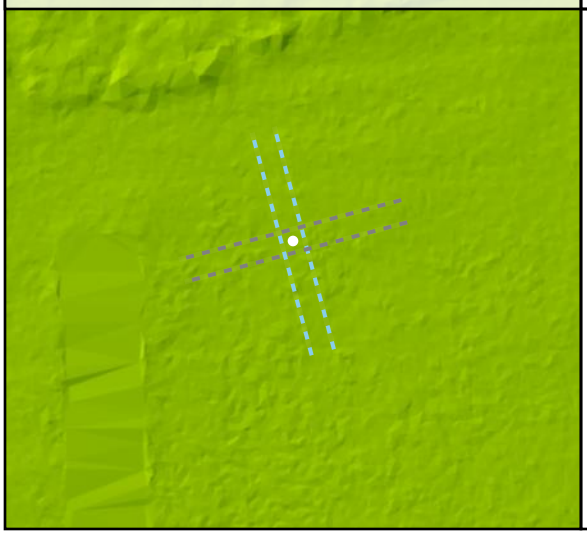
Southeast to Northwest



Intensity Raster



TIN Surface

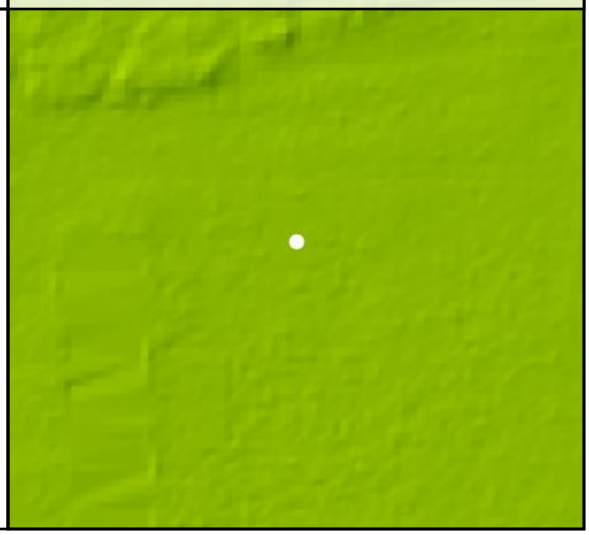


Project Elevation

530.34

48.98

DEM Surface



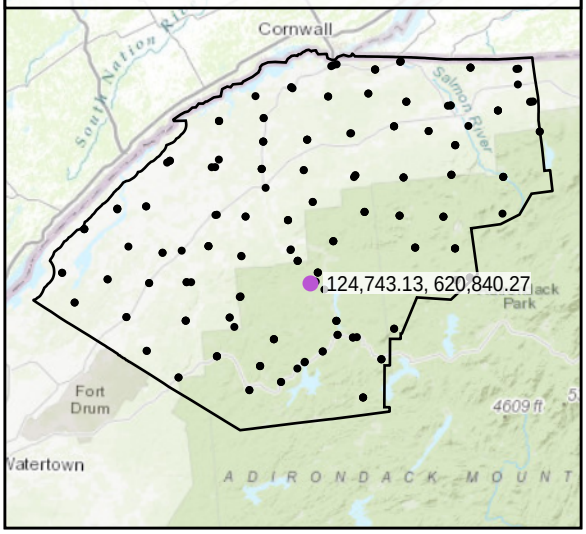
DEM Dz -0.07 m

CAL - CA52

Raw TIN Dz -0.08 m

CA53				
	Known Z	435.83 m	Point Density	4.95 ppsm
	DEM Dz	0.04 m	Ground Density	3.75 ppsm
	Raw TIN Dz	0.04 m	Slope	1.24 °

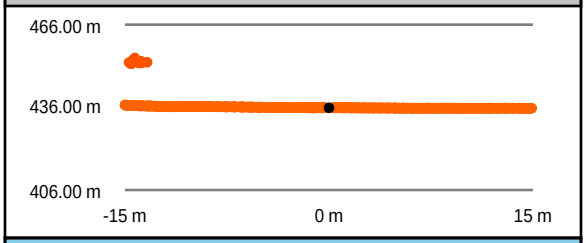
Project Context



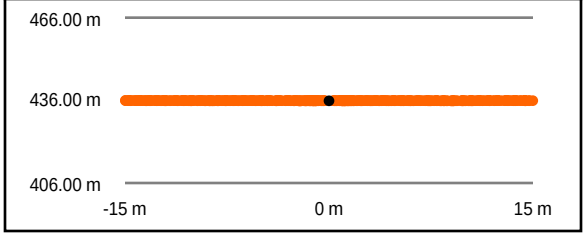
World Imagery



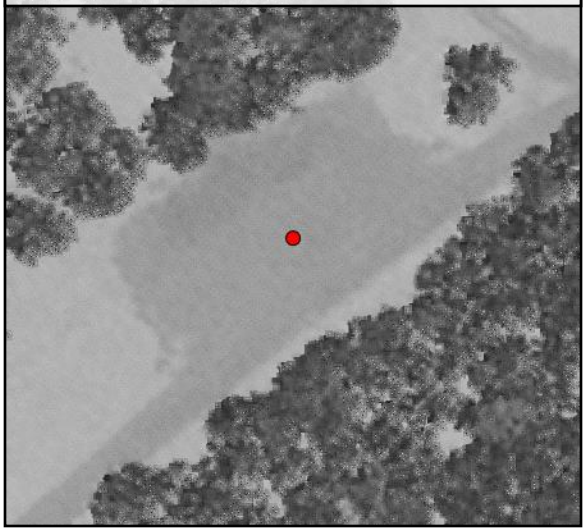
Southeast to Northwest



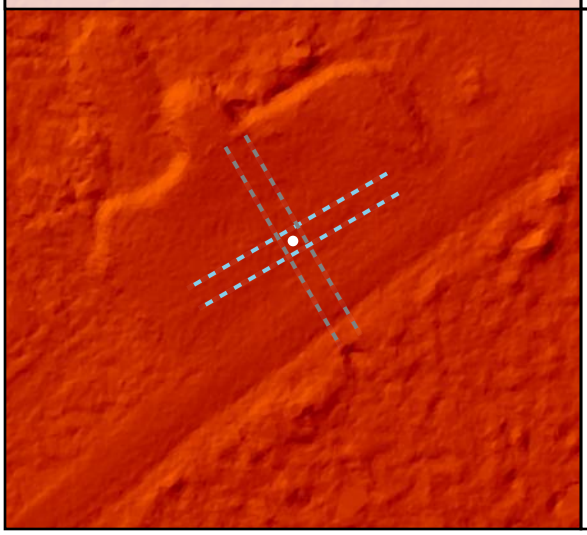
Southwest to Northeast



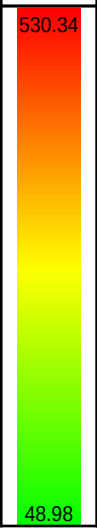
Intensity Raster



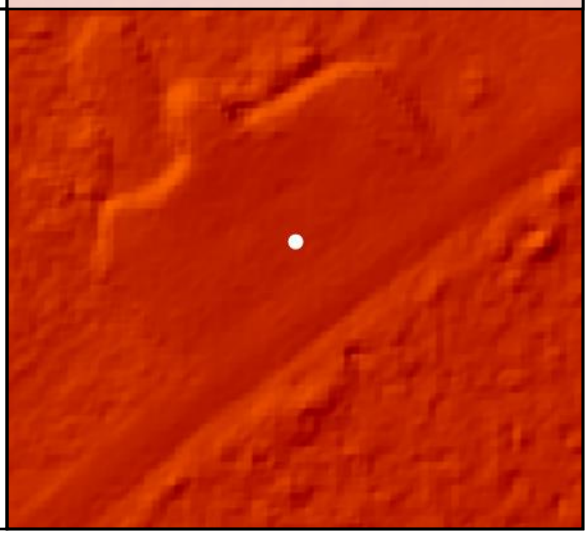
TIN Surface



Project Elevation



DEM Surface



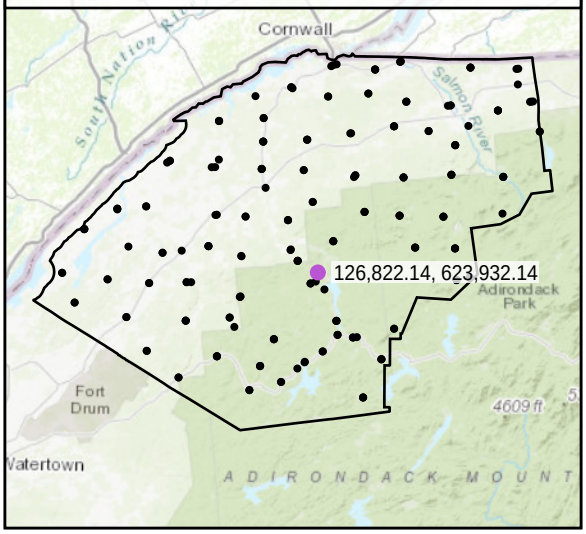
DEM Dz +0.04 m

CAL - CA53

Raw TIN Dz +0.04 m

CA54				
	Known Z	398.29 m	Point Density	3.71 ppsm
	DEM Dz	0.04 m	Ground Density	3.43 ppsm
	Raw TIN Dz	0.04 m	Slope	1.14 °

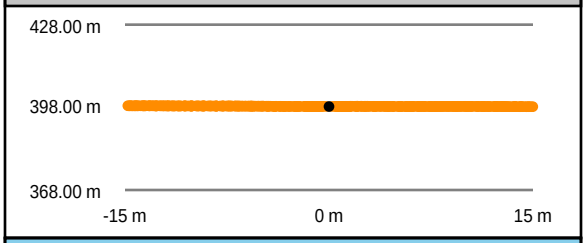
Project Context



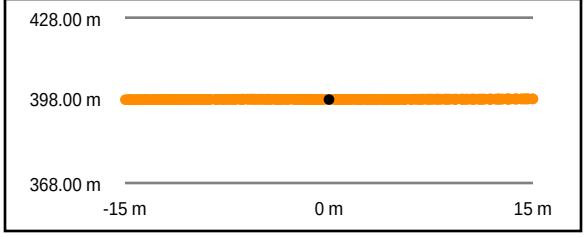
World Imagery



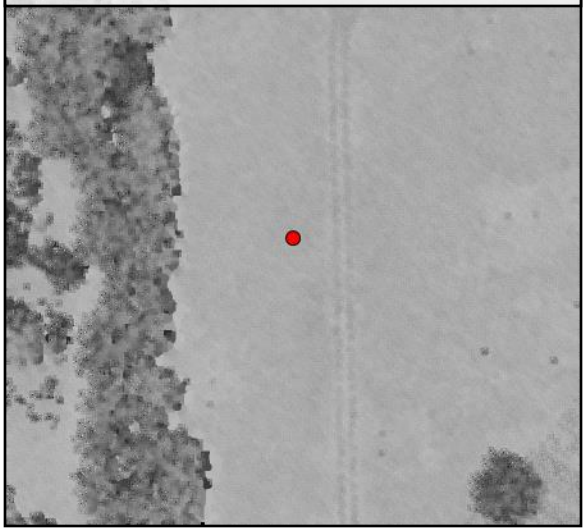
Southwest to Northeast



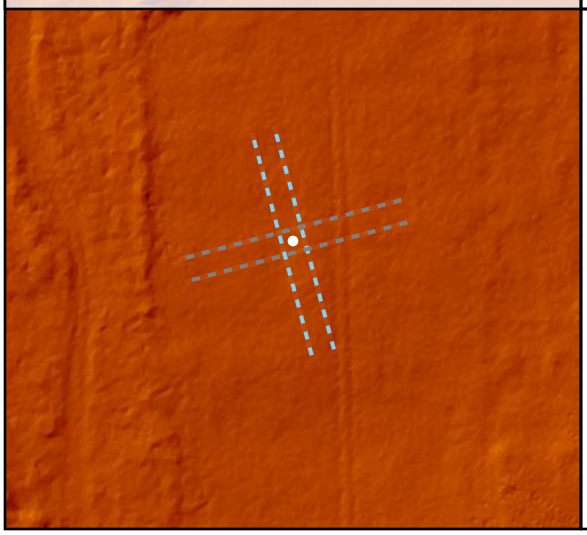
Southeast to Northwest



Intensity Raster



TIN Surface

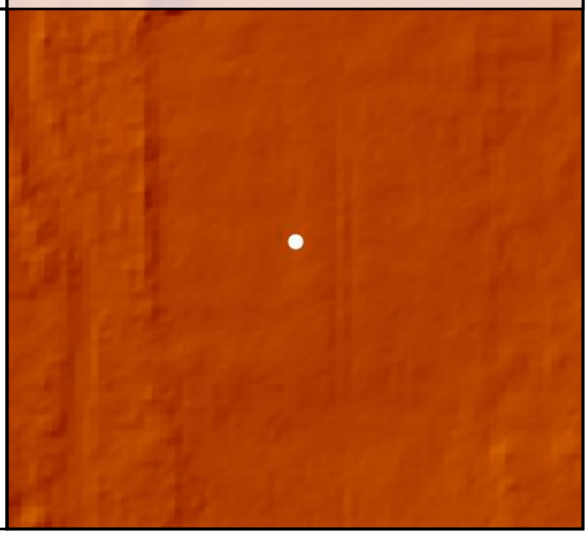


Project Elevation

530.34

48.98

DEM Surface



DEM Dz +0.04 m

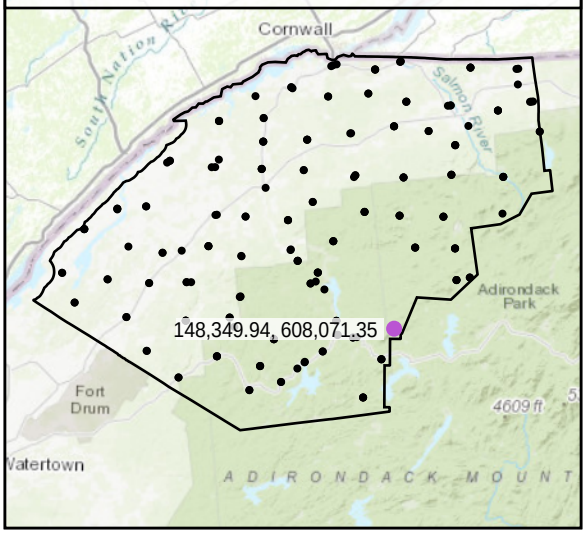
CAL - CA54

Raw TIN Dz +0.04 m

CA55

Known Z	464.44 m	Point Density	2.48 ppsm
DEM Dz	-0.08 m	Ground Density	2.41 ppsm
Raw TIN Dz	-0.08 m	Slope	1.17 °

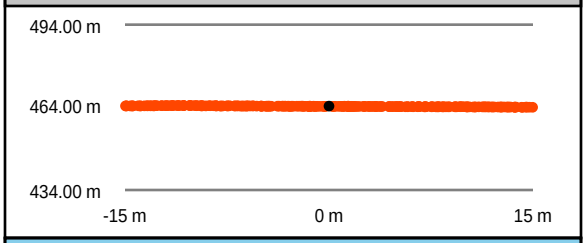
Project Context



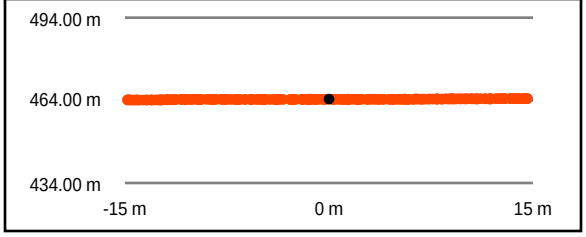
World Imagery



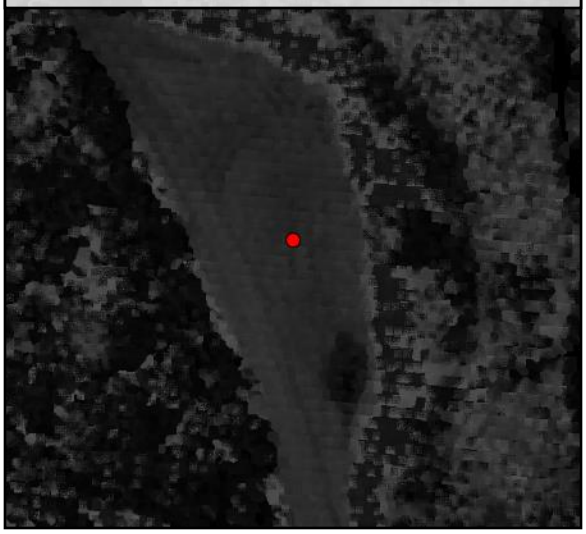
Southwest to Northeast



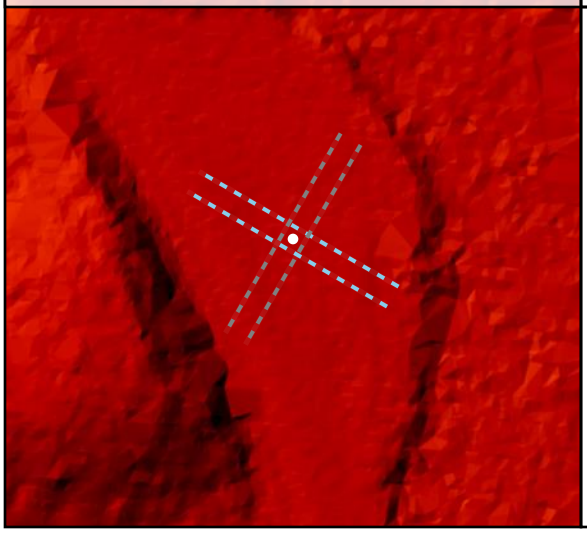
Southeast to Northwest



Intensity Raster



TIN Surface

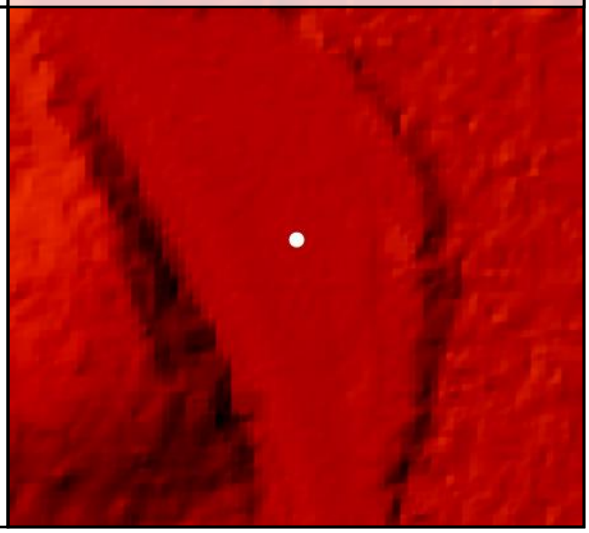


Project Elevation

530.34

48.98

DEM Surface



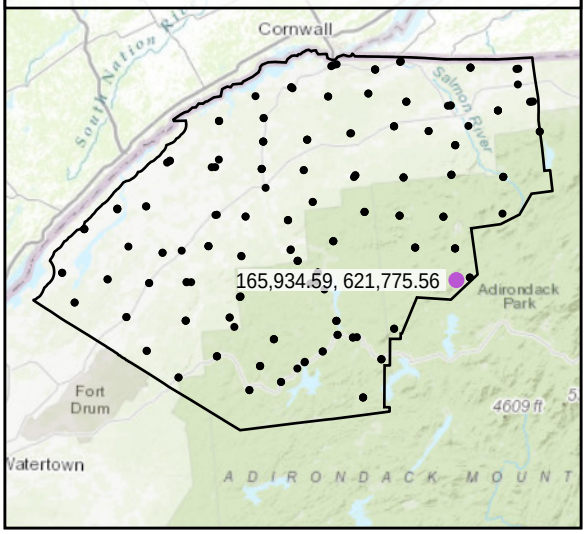
DEM Dz -0.08 m

CAL - CA55

Raw TIN Dz -0.08 m

CA57				
	Known Z	493.24 m	Point Density	1.98 ppsm
	DEM Dz	-0.01 m	Ground Density	1.98 ppsm
	Raw TIN Dz	-0.01 m	Slope	1.01 °

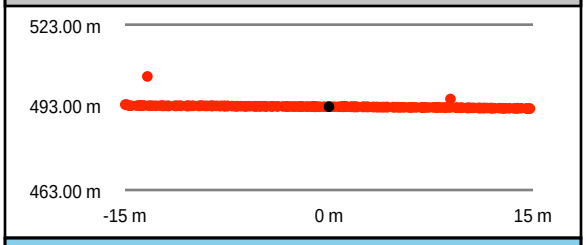
Project Context



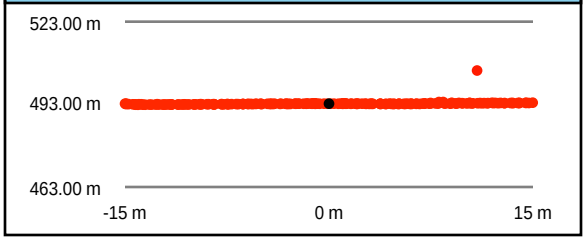
World Imagery



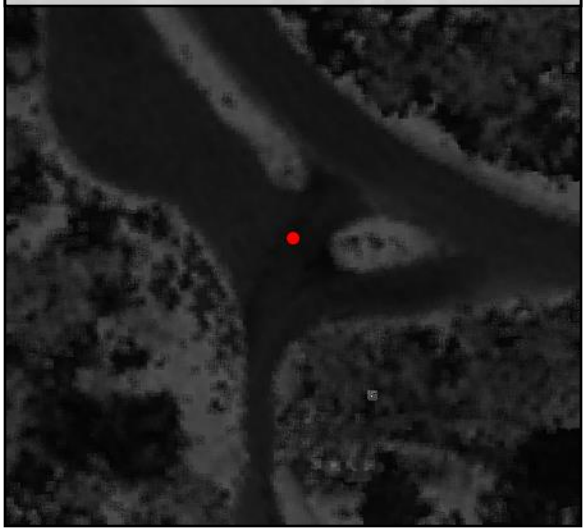
South to North



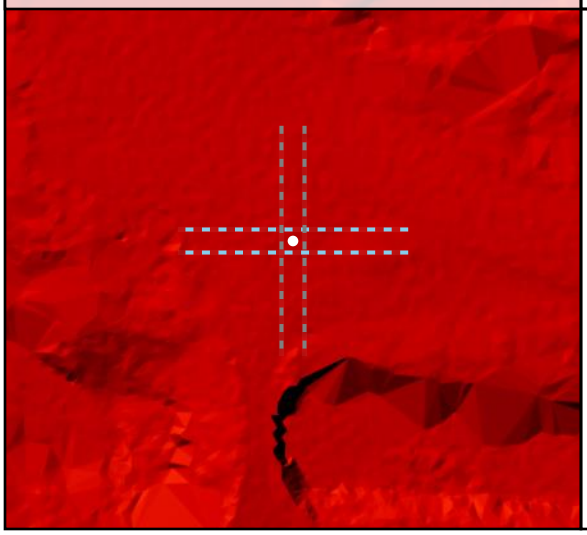
West to East



Intensity Raster



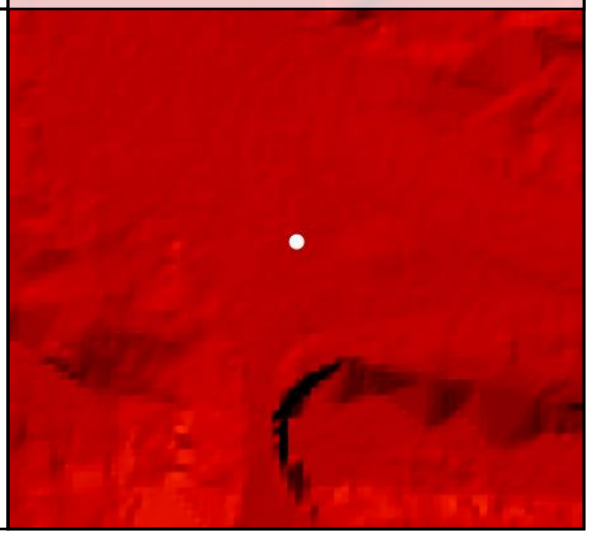
TIN Surface



Project Elevation



DEM Surface



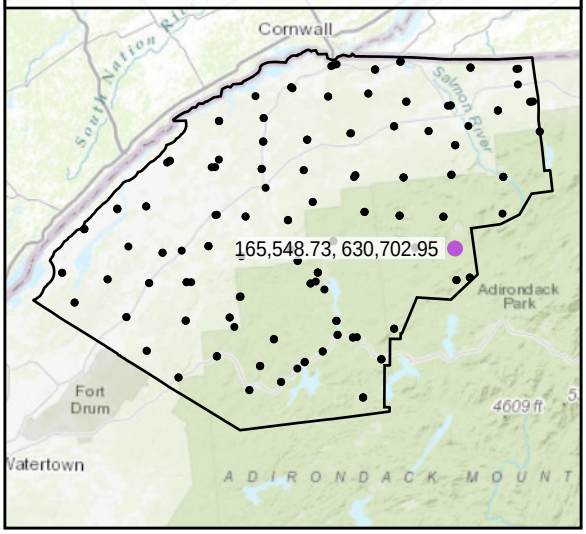
DEM Dz -0.01 m

CAL - CA57

Raw TIN Dz -0.01 m

CA58				
	Known Z	504.70 m	Point Density	1.98 ppsm
	DEM Dz	-0.06 m	Ground Density	1.87 ppsm
	Raw TIN Dz	-0.06 m	Slope	0.28 °

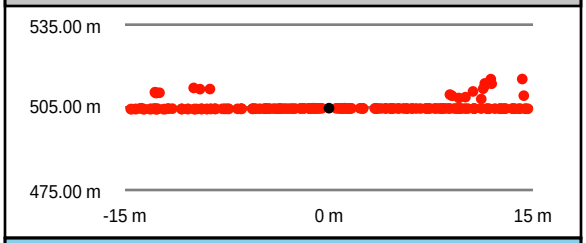
Project Context



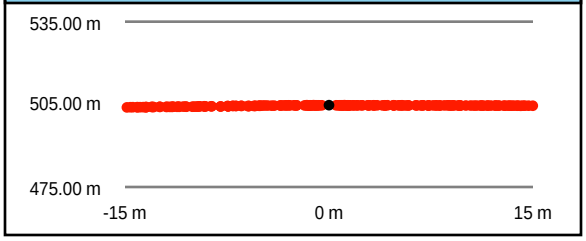
World Imagery



South to North



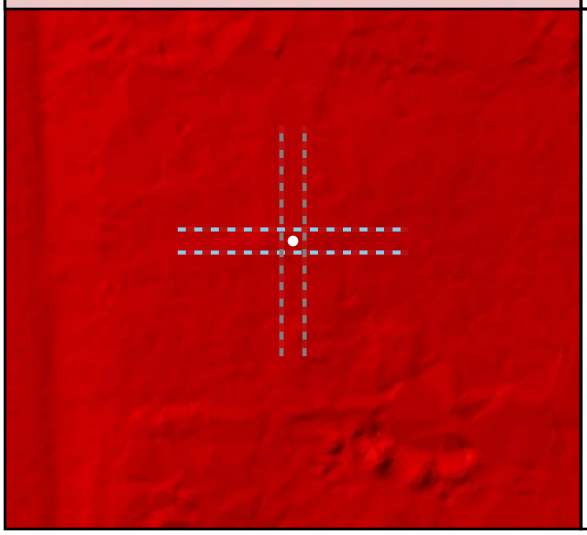
West to East



Intensity Raster



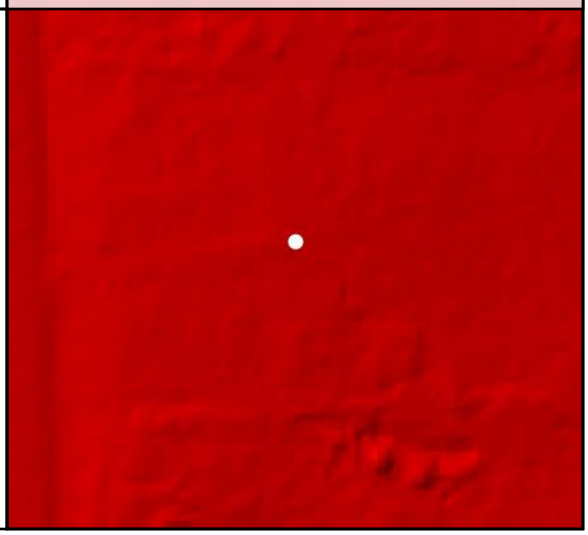
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.06 m

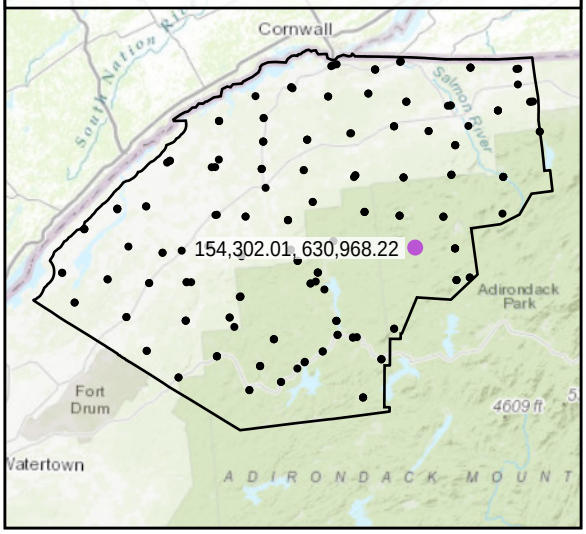
CAL - CA58

Raw TIN Dz -0.06 m

CA59

Known Z	474.82 m	Point Density	1.98 ppsm
DEM Dz	-0.07 m	Ground Density	1.98 ppsm
Raw TIN Dz	-0.09 m	Slope	1.05 °

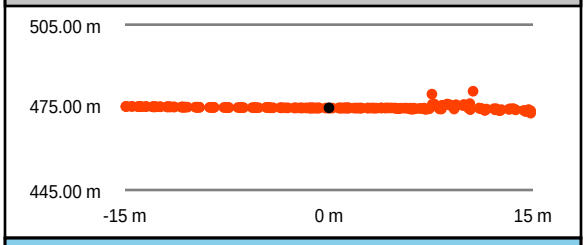
Project Context



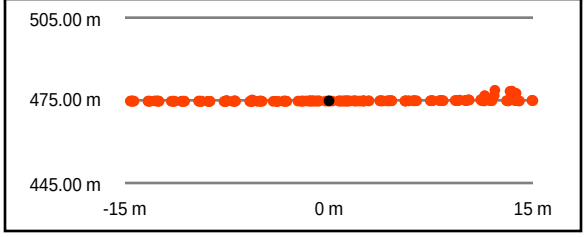
World Imagery



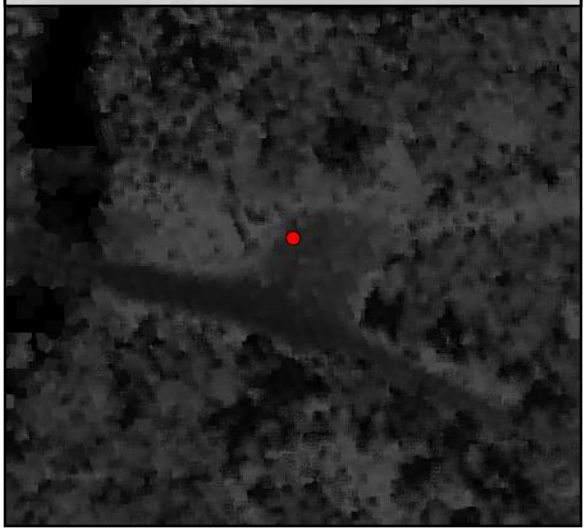
Southeast to Northwest



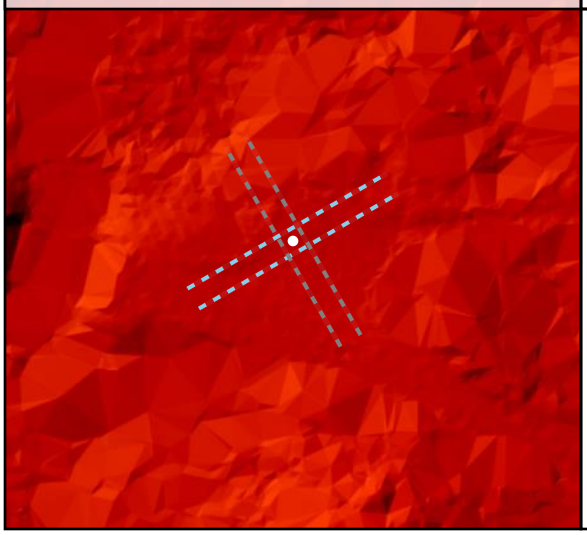
Southwest to Northeast



Intensity Raster



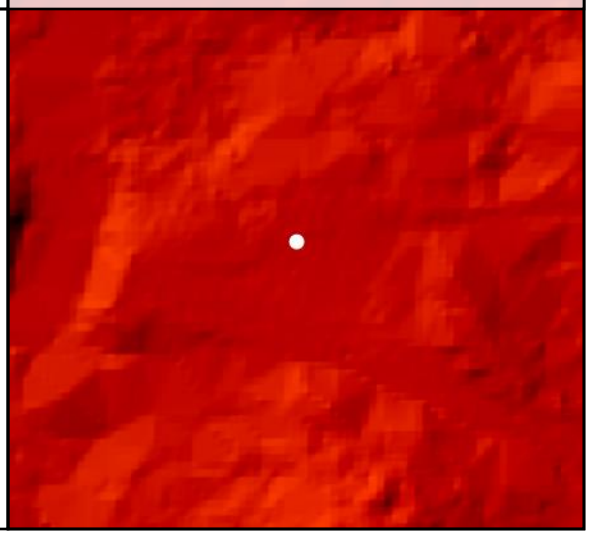
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.07 m

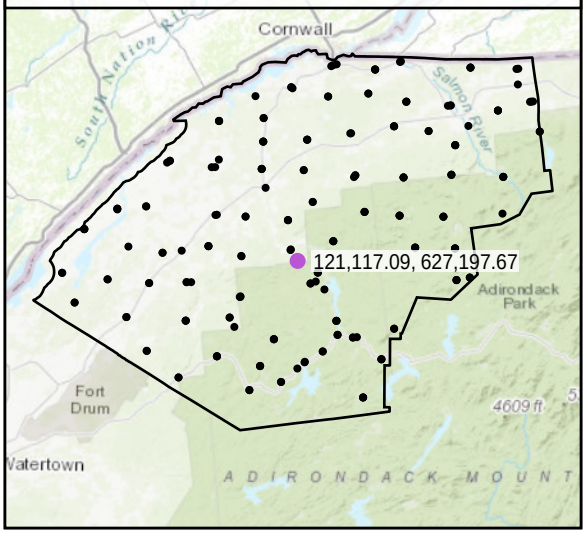
CAL - CA59

Raw TIN Dz -0.09 m

CA60

Known Z	365.04 m	Point Density	2.33 ppsm
DEM Dz	-0.05 m	Ground Density	2.62 ppsm
Raw TIN Dz	-0.06 m	Slope	1.11 °

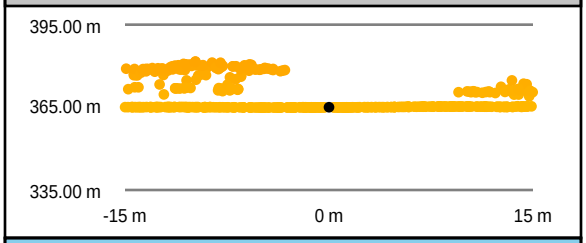
Project Context



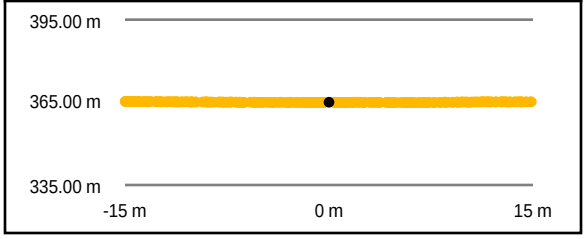
World Imagery



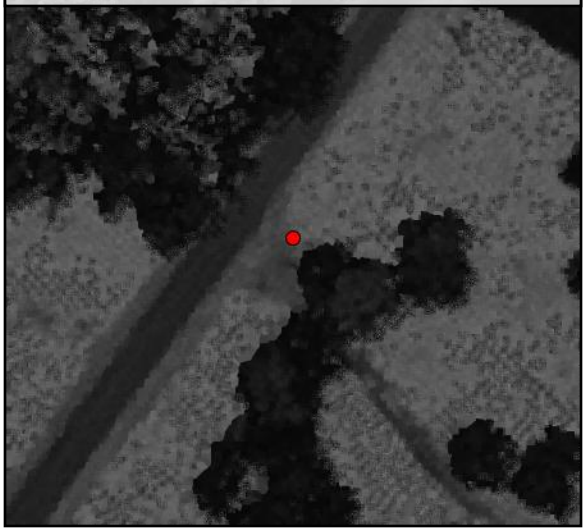
Southeast to Northwest



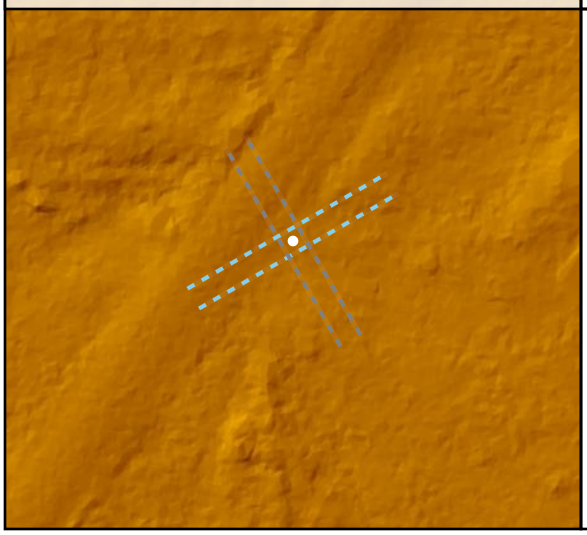
Southwest to Northeast



Intensity Raster



TIN Surface

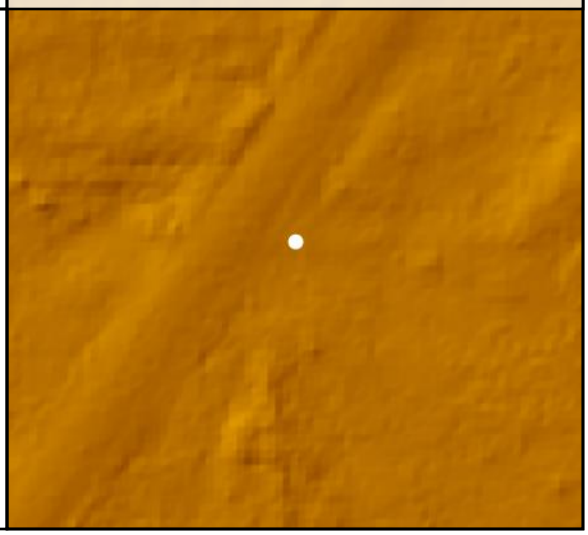


Project Elevation

530.15

71.92

DEM Surface



DEM Dz -0.05 m

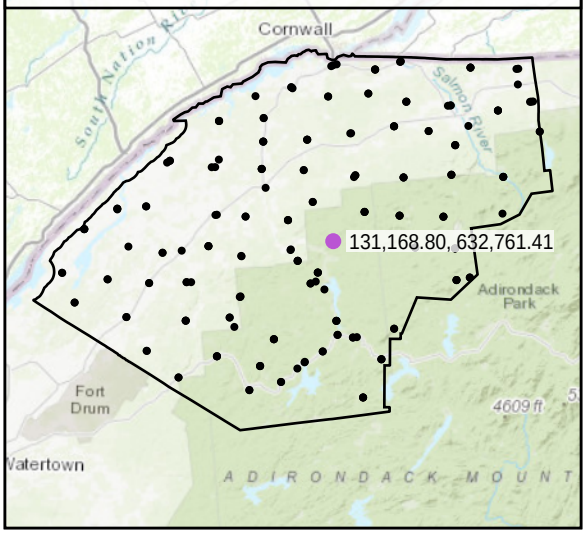
CAL - CA60

Raw TIN Dz -0.06 m

CA61

Known Z	394.93 m	Point Density	2.44 ppsm
DEM Dz	0.05 m	Ground Density	2.33 ppsm
Raw TIN Dz	0.05 m	Slope	1.75 °

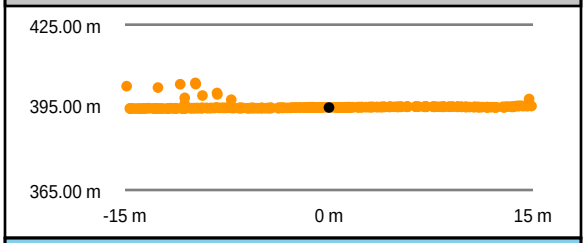
Project Context



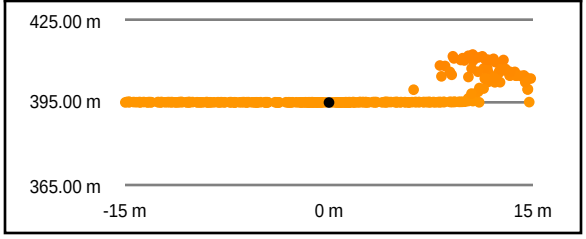
World Imagery



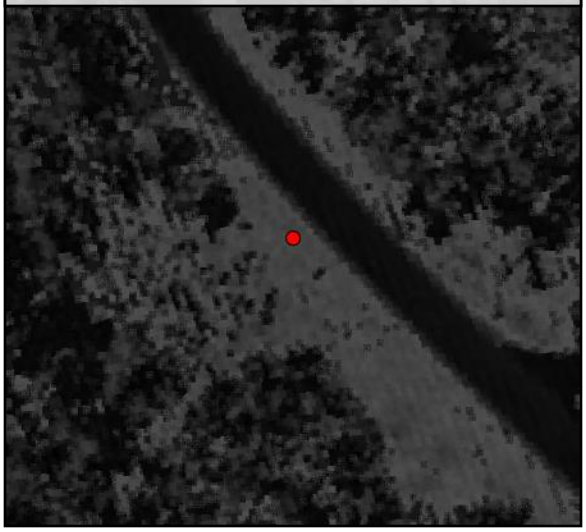
Southwest to Northeast



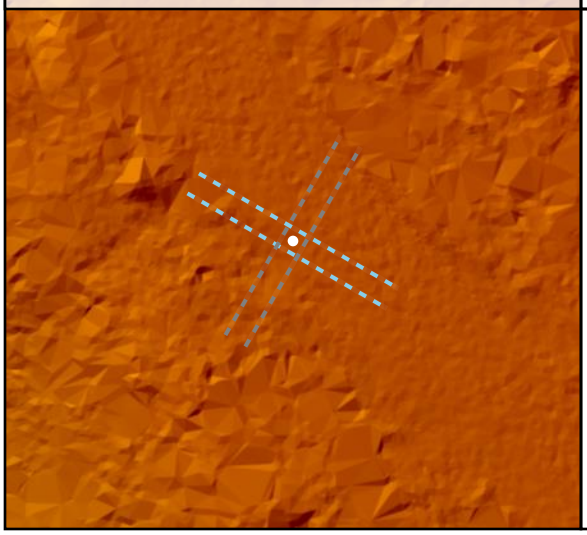
Southeast to Northwest



Intensity Raster



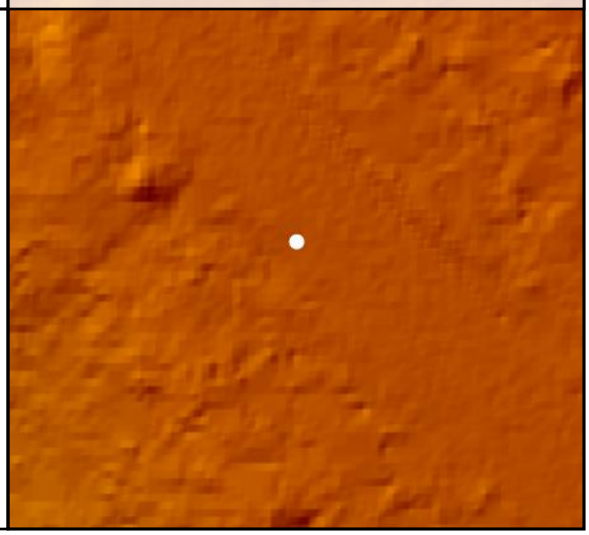
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.05 m

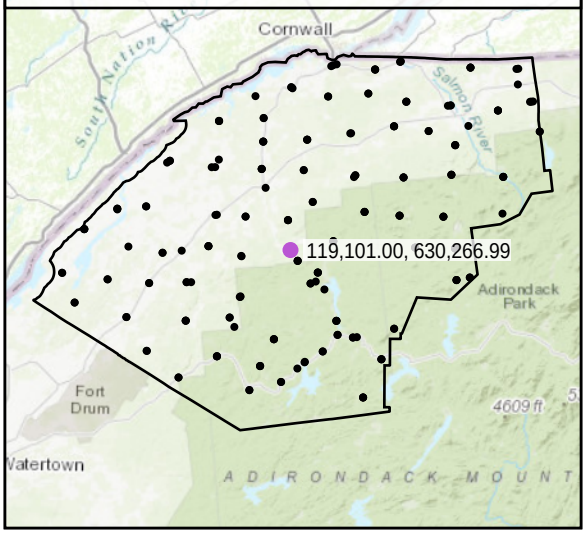
CAL - CA61

Raw TIN Dz +0.05 m

CA62

Known Z	282.13 m	Point Density	2.51 ppsm
DEM Dz	0.02 m	Ground Density	2.26 ppsm
Raw TIN Dz	0.03 m	Slope	0.43 °

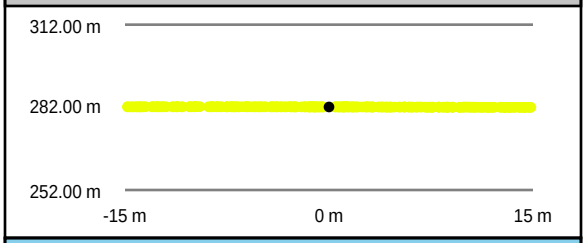
Project Context



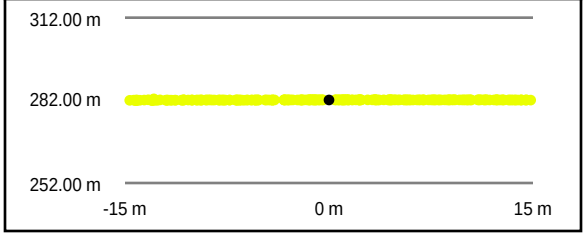
World Imagery



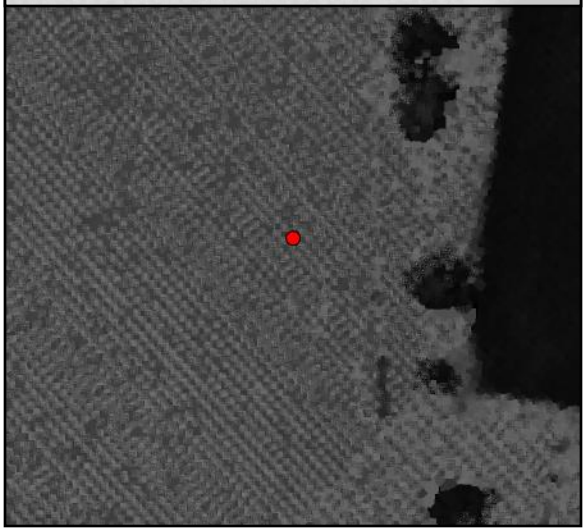
Southwest to Northeast



Southeast to Northwest



Intensity Raster



TIN Surface

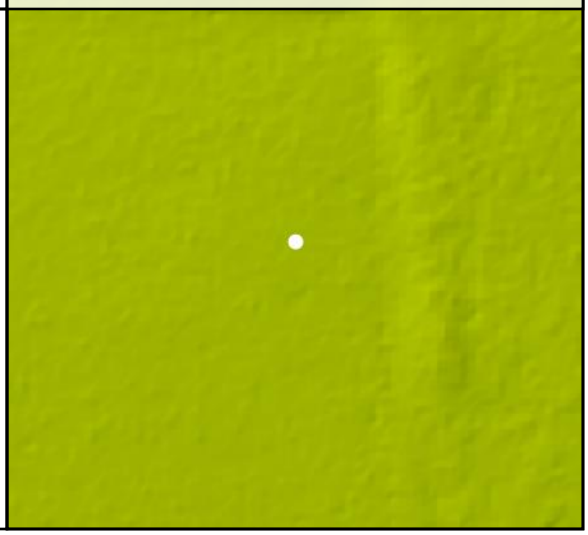


Project Elevation

530.34

71.2

DEM Surface



DEM Dz +0.02 m

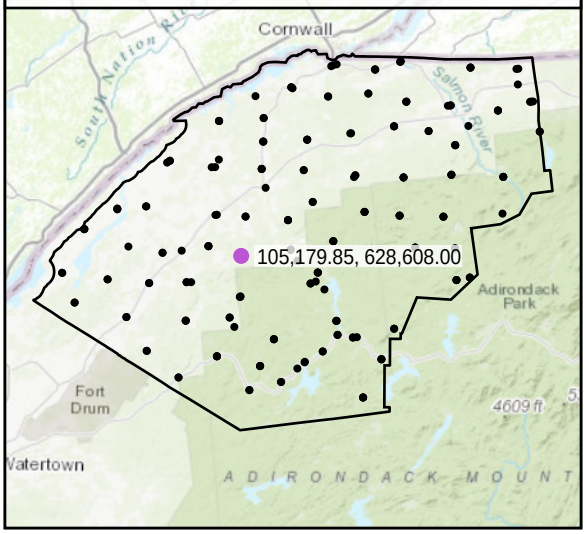
CAL - CA62

Raw TIN Dz +0.03 m

CA63

Known Z	233.67 m	Point Density	5.66 ppsm
DEM Dz	-0.03 m	Ground Density	5.45 ppsm
Raw TIN Dz	-0.03 m	Slope	3.44 °

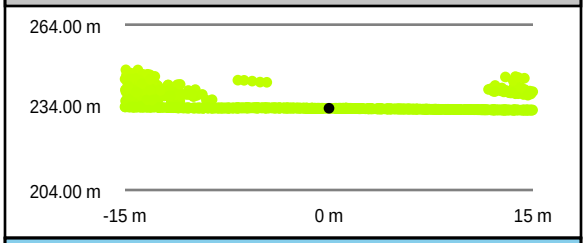
Project Context



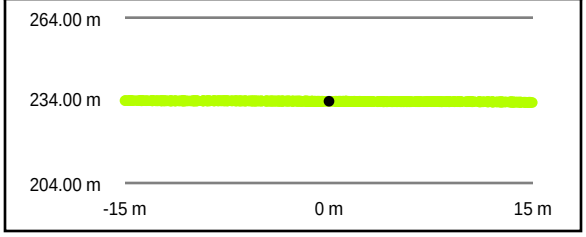
World Imagery



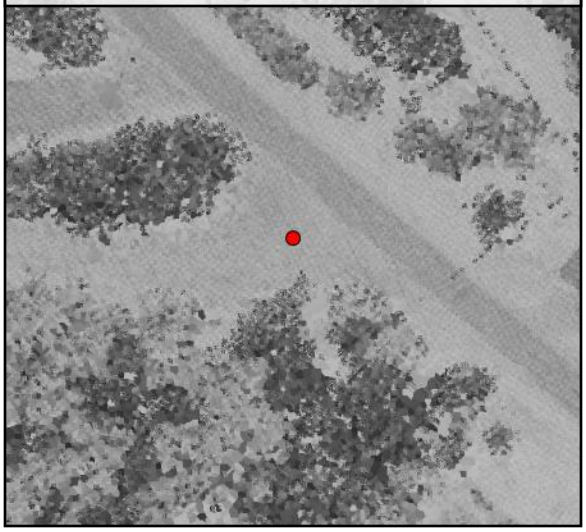
Southeast to Northwest



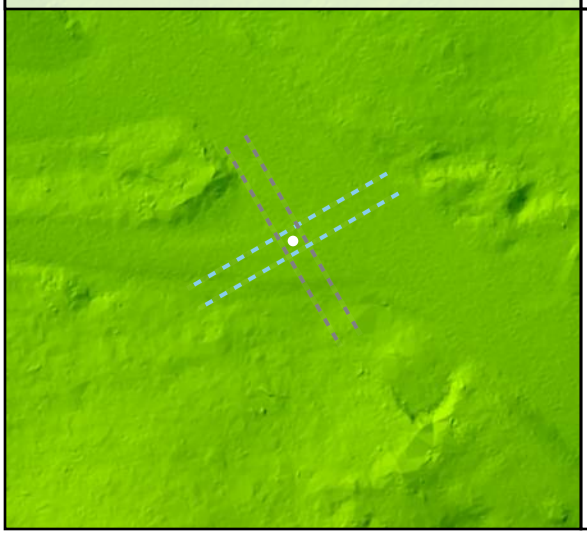
Southwest to Northeast



Intensity Raster



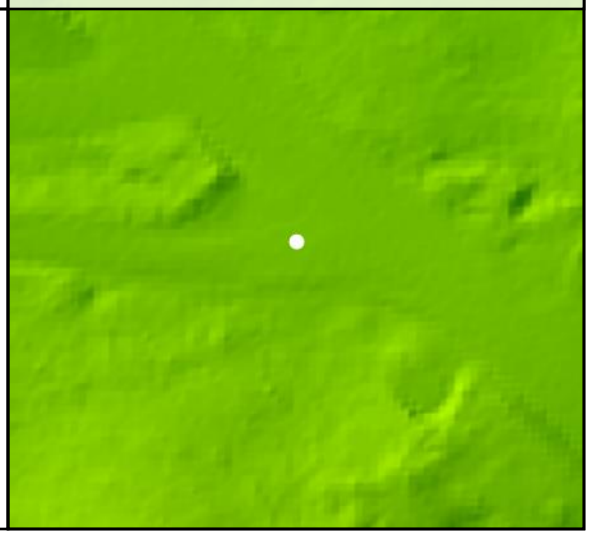
TIN Surface



Project Elevation



DEM Surface



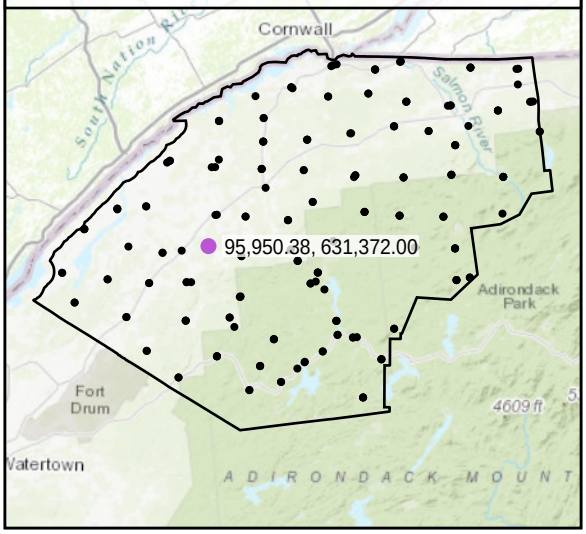
DEM Dz -0.03 m

CAL - CA63

Raw TIN Dz -0.03 m

CA64				
	Known Z	159.57 m	Point Density	3.47 ppsm
	DEM Dz	0.02 m	Ground Density	3.18 ppsm
	Raw TIN Dz	0.02 m	Slope	1.62 °

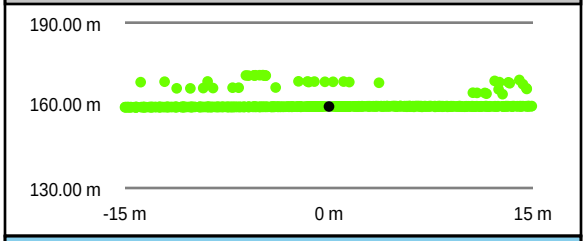
Project Context



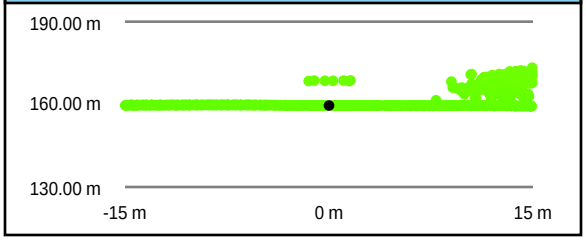
World Imagery



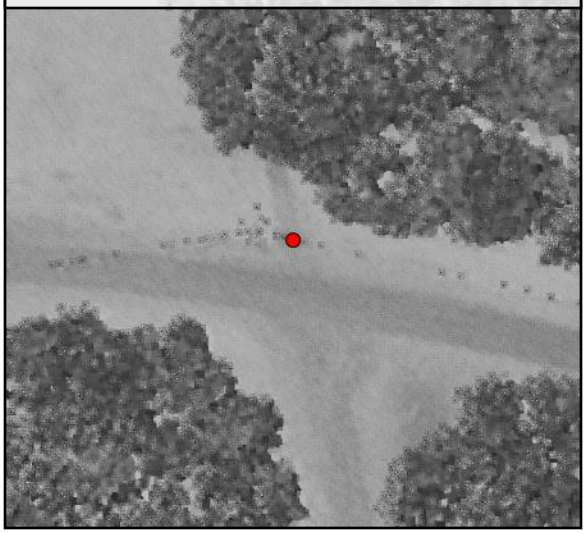
West to East



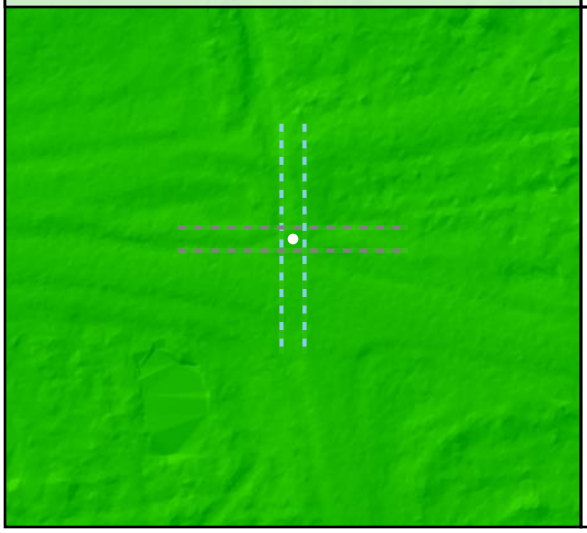
South to North



Intensity Raster



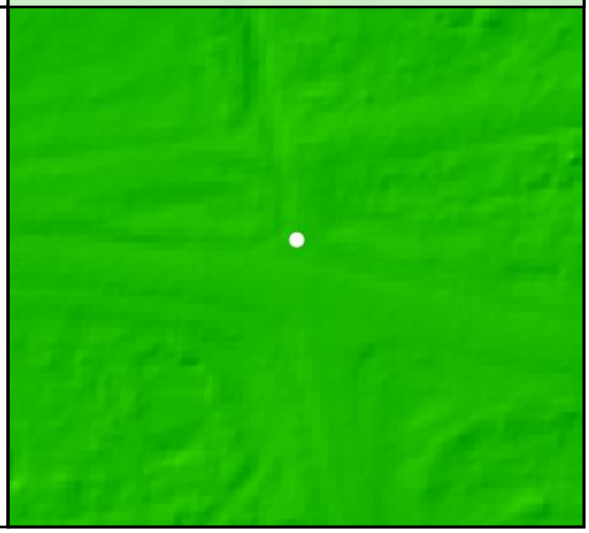
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.02 m

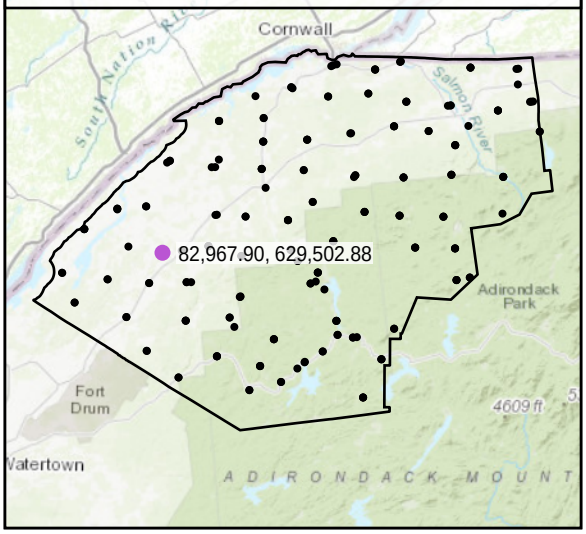
CAL - CA64

Raw TIN Dz +0.02 m

CA65

Known Z	102.40 m	Point Density	4.63 ppsm
DEM Dz	0.10 m	Ground Density	3.78 ppsm
Raw TIN Dz	0.10 m	Slope	0.94 °

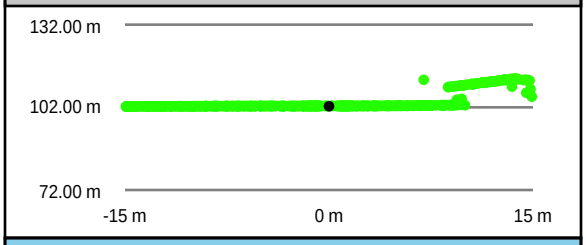
Project Context



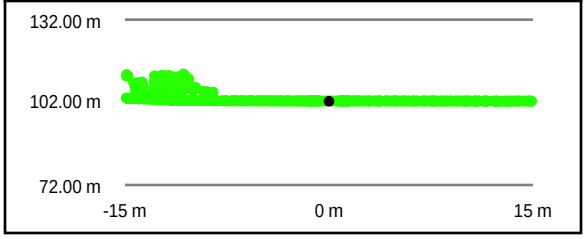
World Imagery



Southwest to Northeast



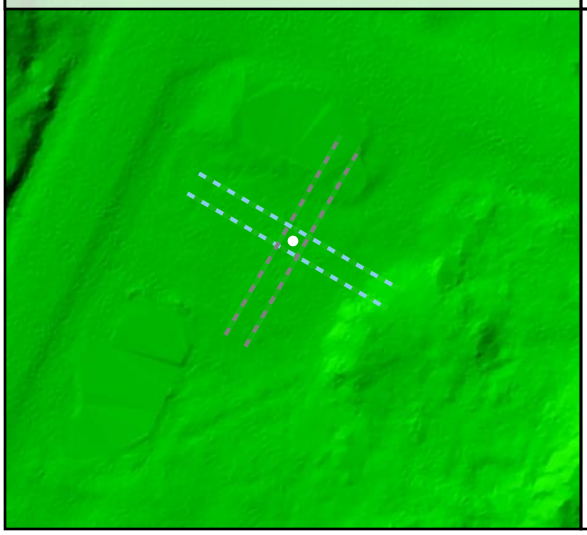
Southeast to Northwest



Intensity Raster



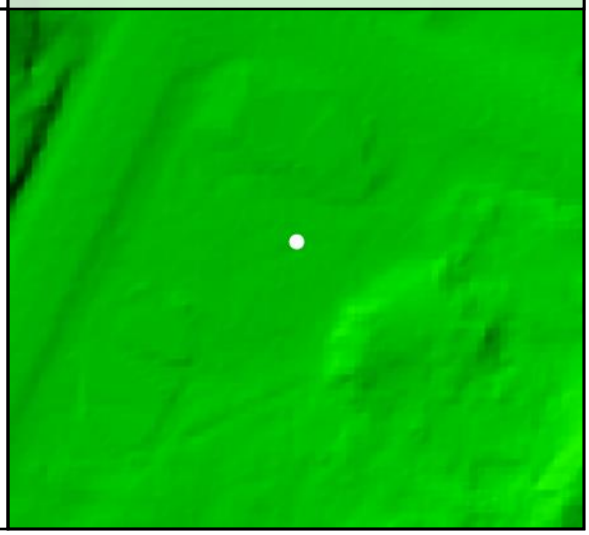
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.10 m

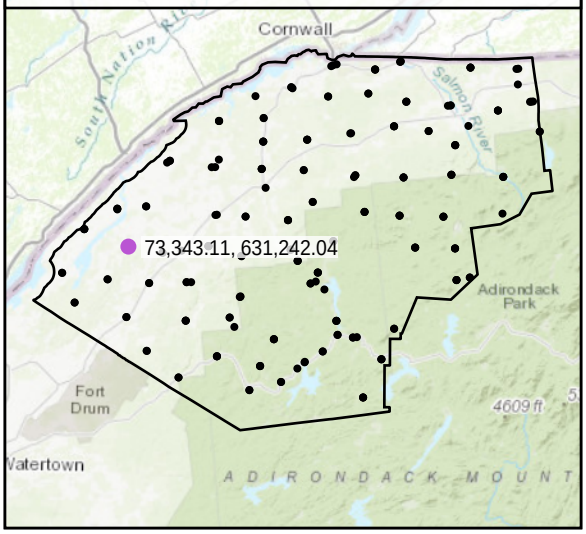
CAL - CA65

Raw TIN Dz +0.10 m

CA66

Known Z	101.96 m	Point Density	3.78 ppsm
DEM Dz	-0.03 m	Ground Density	3.43 ppsm
Raw TIN Dz	-0.03 m	Slope	1.61 °

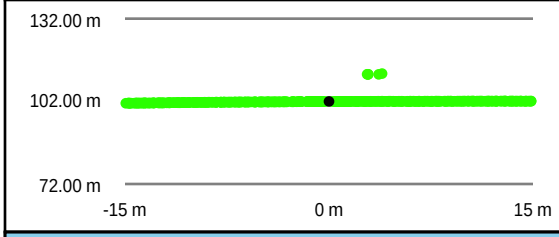
Project Context



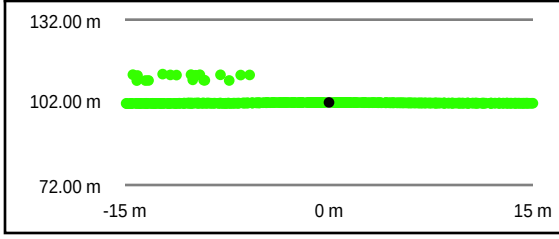
World Imagery



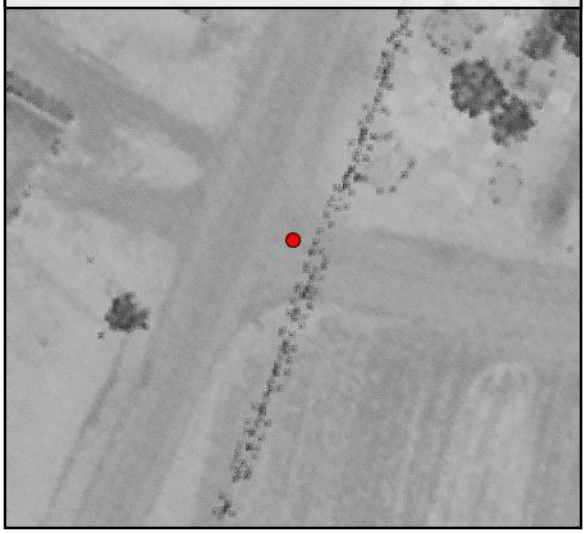
West to East



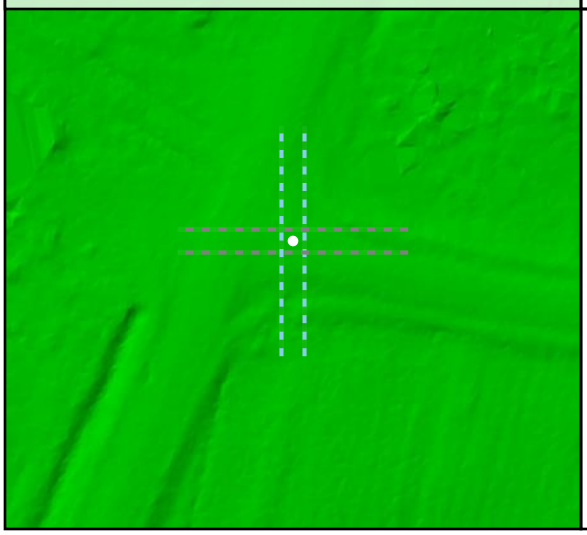
South to North



Intensity Raster



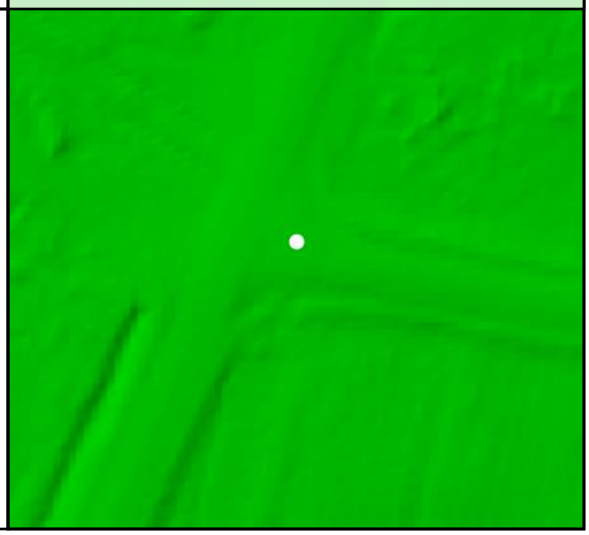
TIN Surface



Project Elevation



DEM Surface



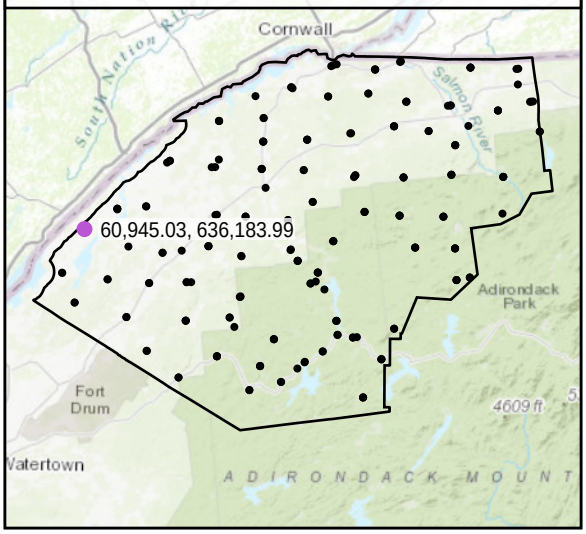
DEM Dz -0.03 m

CAL - CA66

Raw TIN Dz -0.03 m

CA67				
	Known Z	90.50 m	Point Density	4.46 ppsm
	DEM Dz	0.00 m	Ground Density	4.17 ppsm
	Raw TIN Dz	-0.01 m	Slope	1.18 °

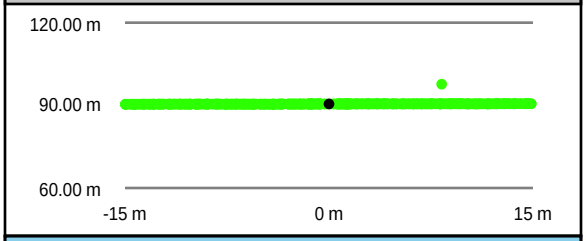
Project Context



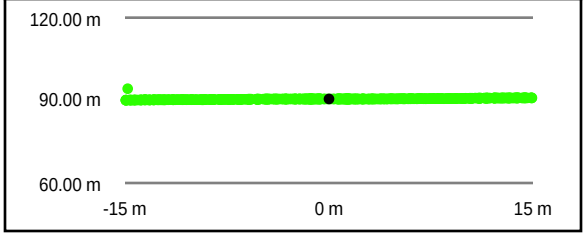
World Imagery



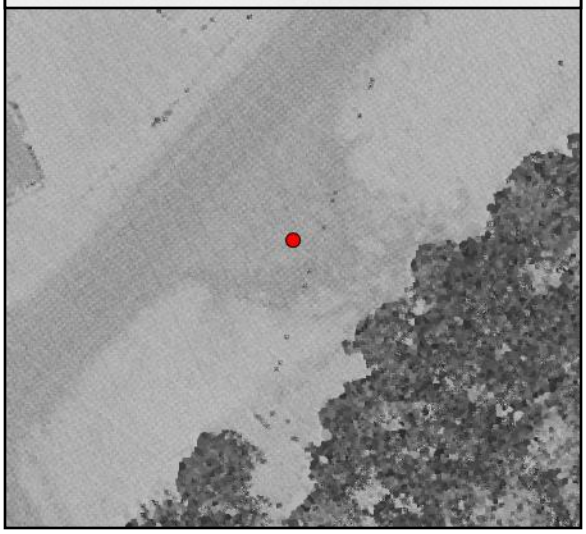
Southwest to Northeast



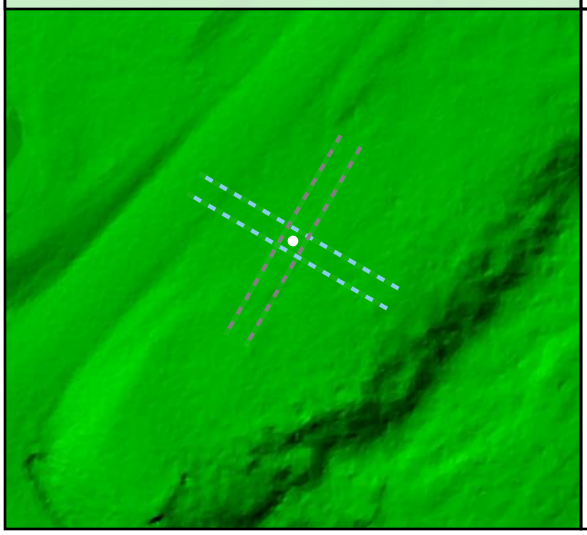
Southeast to Northwest



Intensity Raster



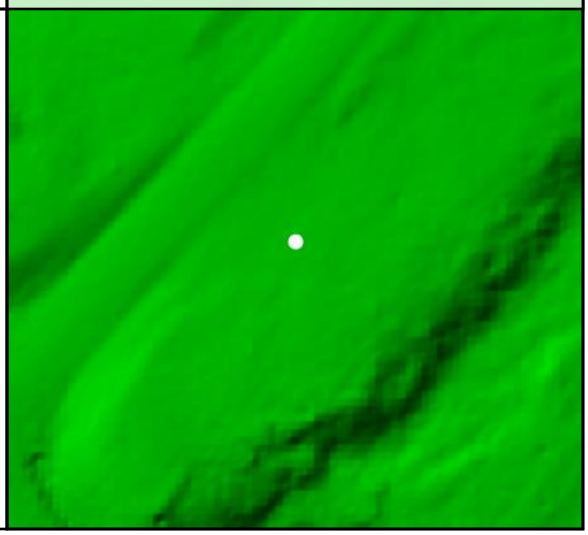
TIN Surface



Project Elevation



DEM Surface



DEM Dz 0.00 m

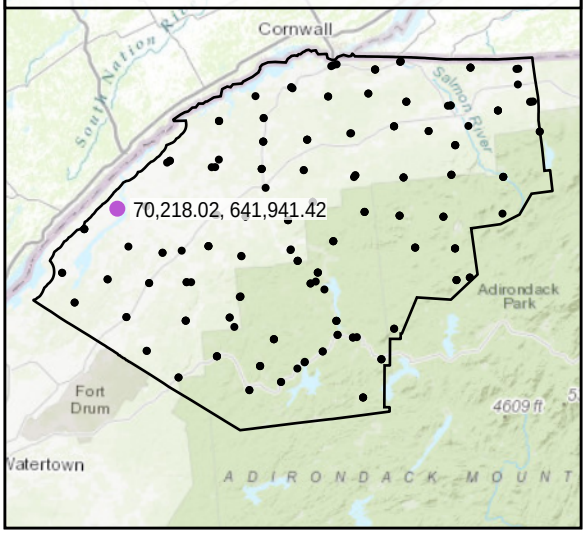
CAL - CA67

Raw TIN Dz -0.01 m

CA68

Known Z	113.65 m	Point Density	4.24 ppsm
DEM Dz	0.09 m	Ground Density	3.64 ppsm
Raw TIN Dz	0.09 m	Slope	0.78 °

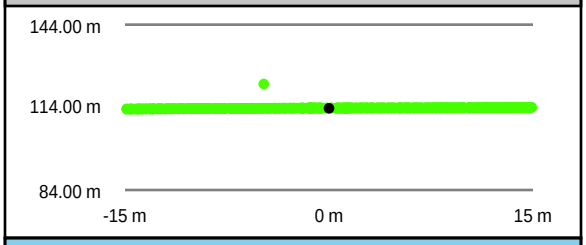
Project Context



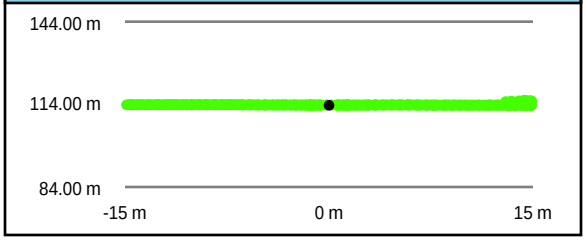
World Imagery



West to East



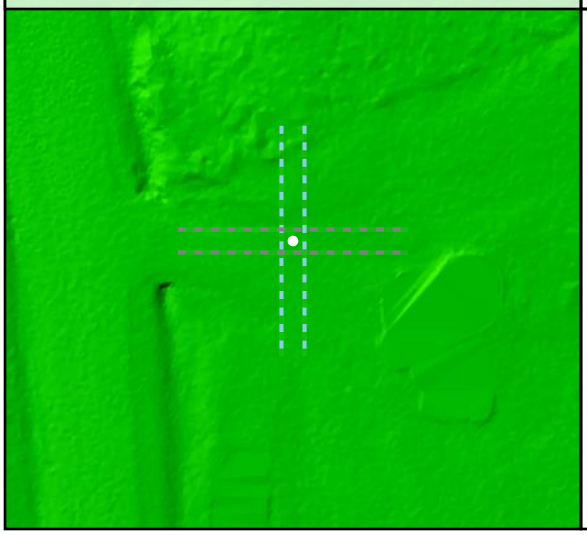
South to North



Intensity Raster



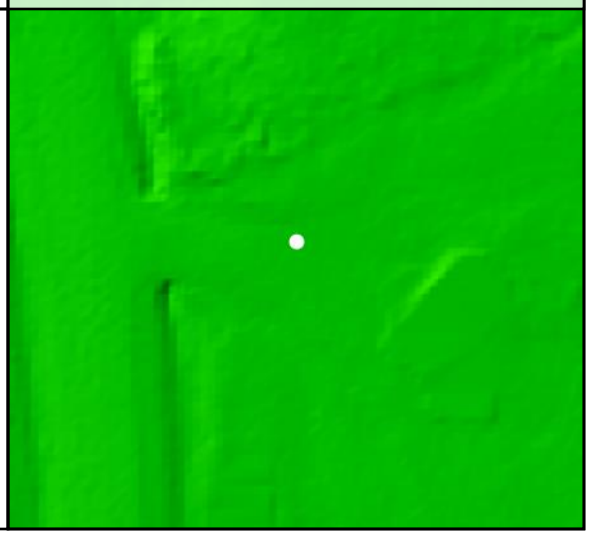
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.09 m

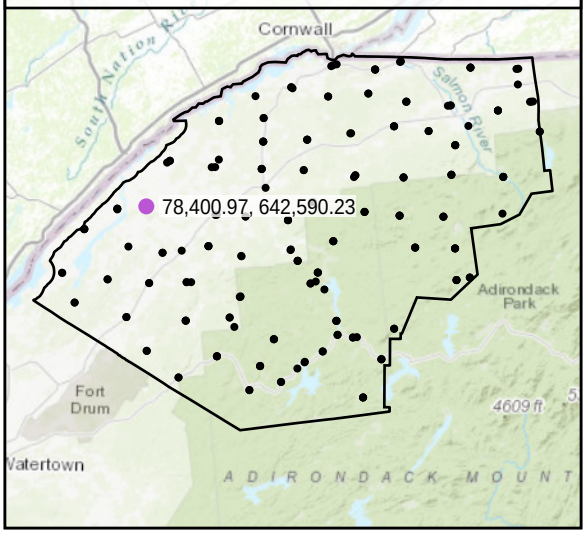
CAL - CA68

Raw TIN Dz +0.09 m

CA69

Known Z	90.31 m	Point Density	3.89 ppsm
DEM Dz	0.12 m	Ground Density	3.57 ppsm
Raw TIN Dz	0.12 m	Slope	1.88 °

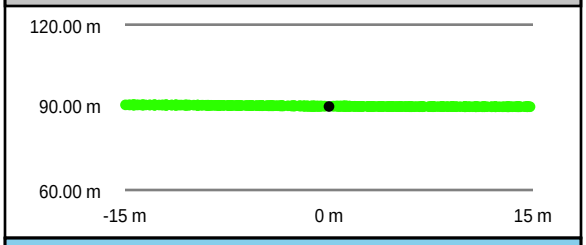
Project Context



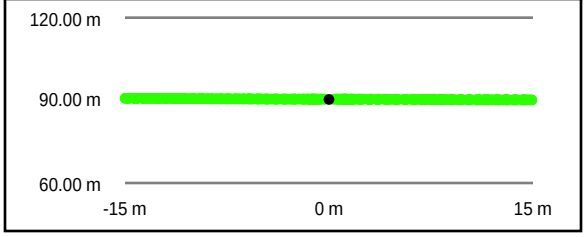
World Imagery



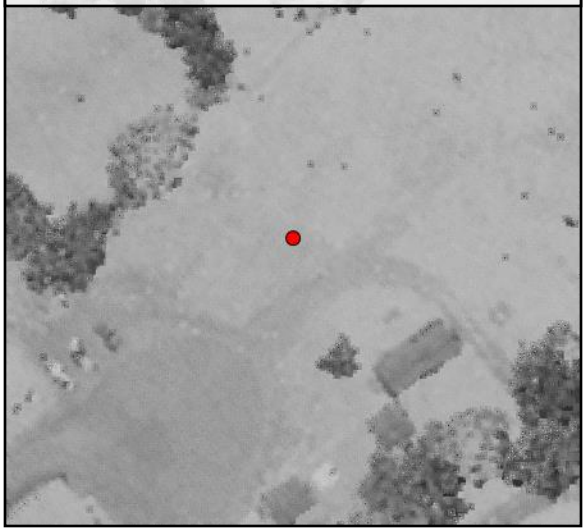
Southwest to Northeast



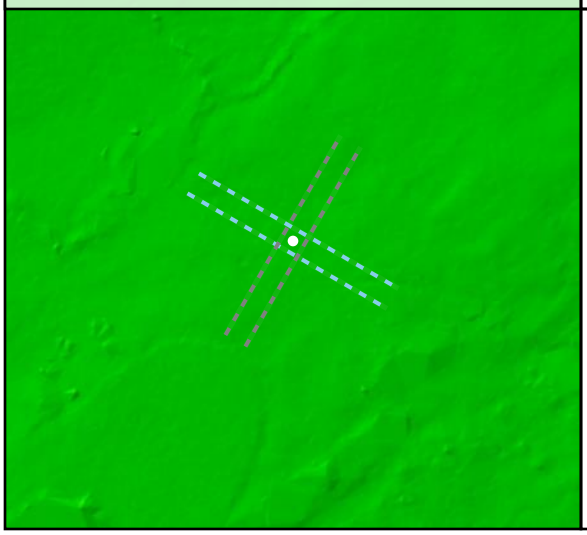
Southeast to Northwest



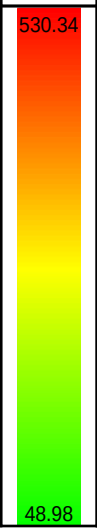
Intensity Raster



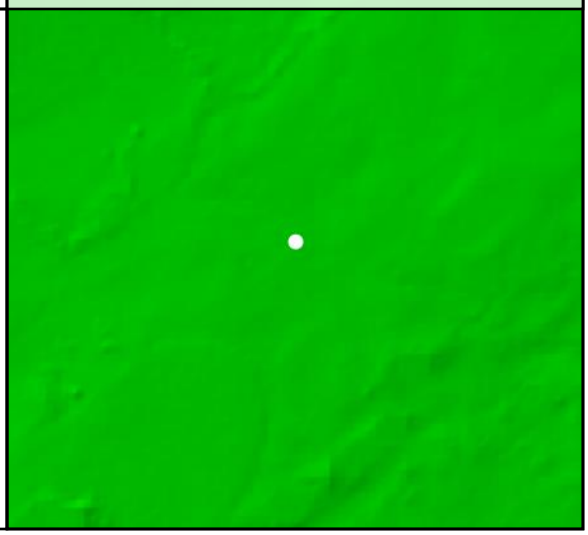
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.12 m

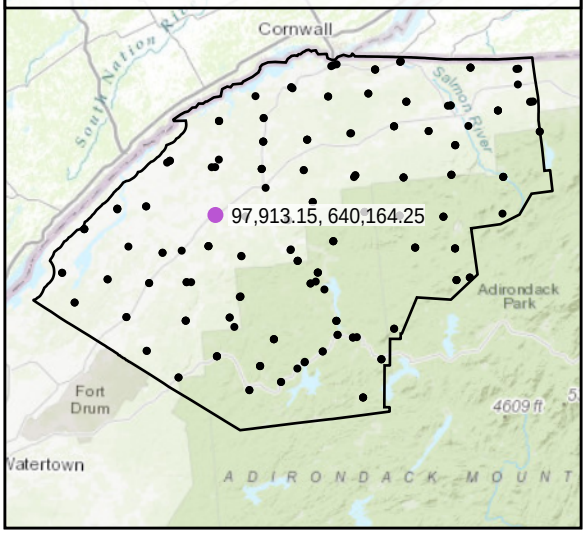
CAL - CA69

Raw TIN Dz +0.12 m

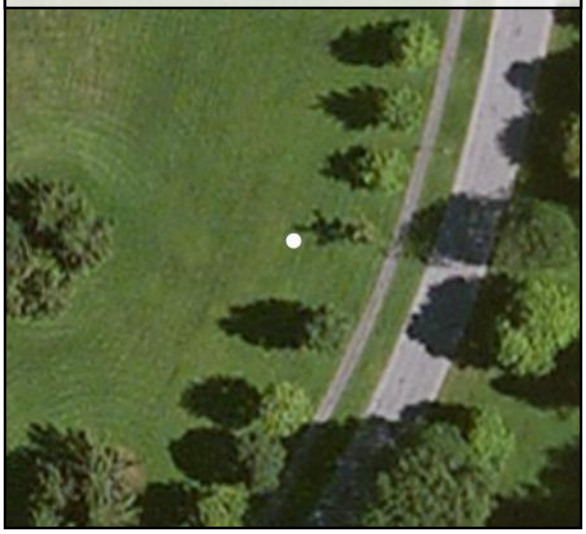
CA70

Known Z	115.95 m	Point Density	3.50 ppsm
DEM Dz	0.00 m	Ground Density	2.83 ppsm
Raw TIN Dz	0.01 m	Slope	0.30 °

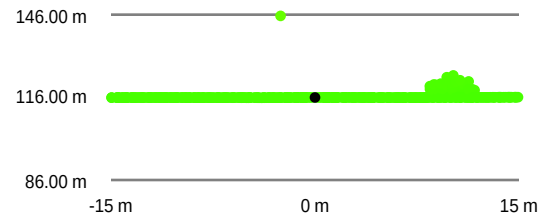
Project Context



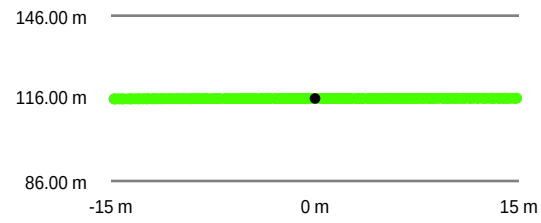
World Imagery



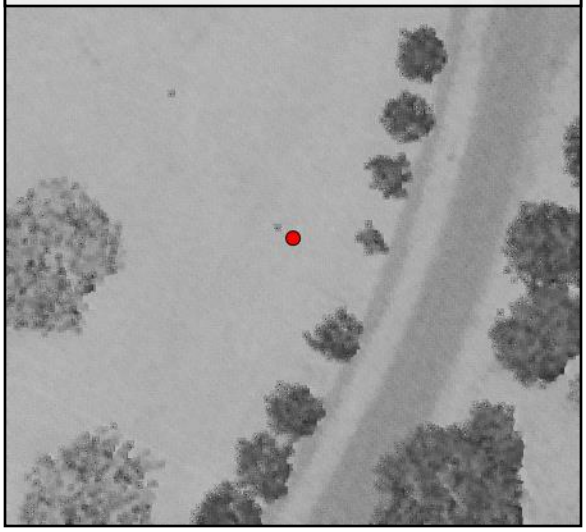
West to East



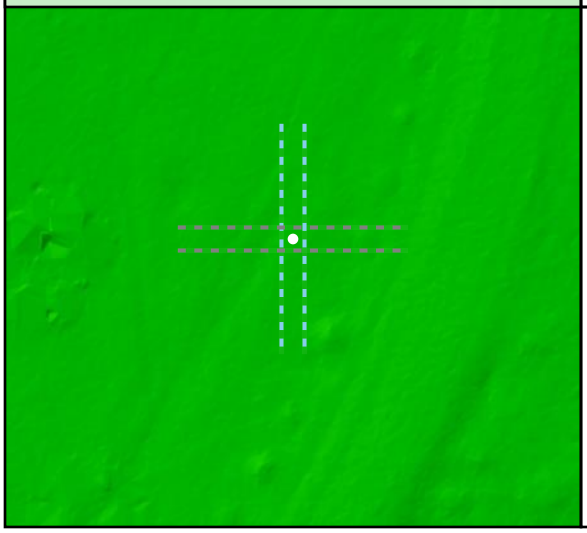
South to North



Intensity Raster



TIN Surface

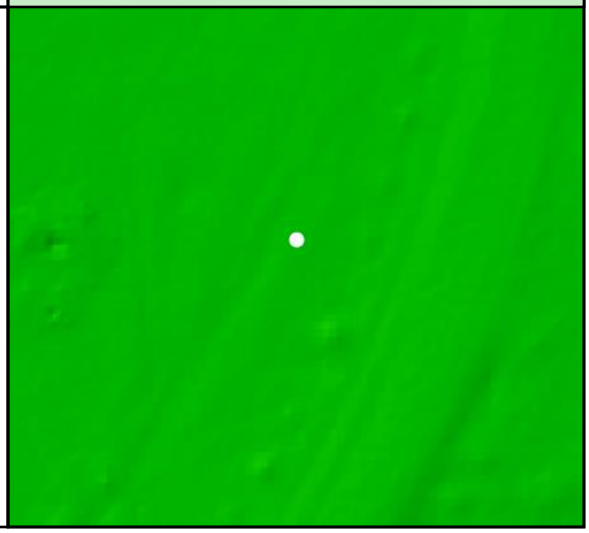


Project Elevation

530.34

48.98

DEM Surface



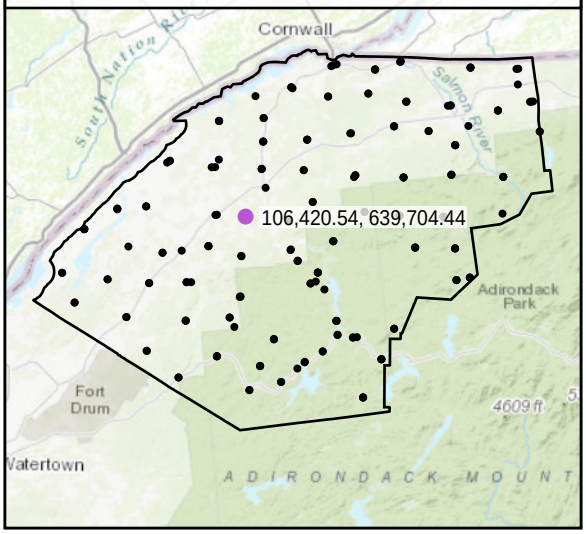
DEM Dz +0.00 m

CAL - CA70

Raw TIN Dz +0.01 m

CA71				
	Known Z	147.33 m	Point Density	6.26 ppsm
	DEM Dz	-0.08 m	Ground Density	5.87 ppsm
	Raw TIN Dz	-0.08 m	Slope	1.50 °

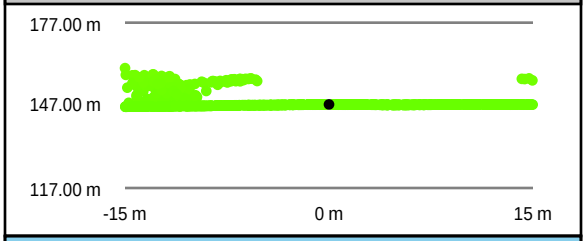
Project Context



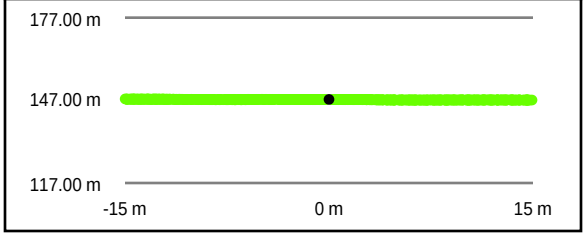
World Imagery



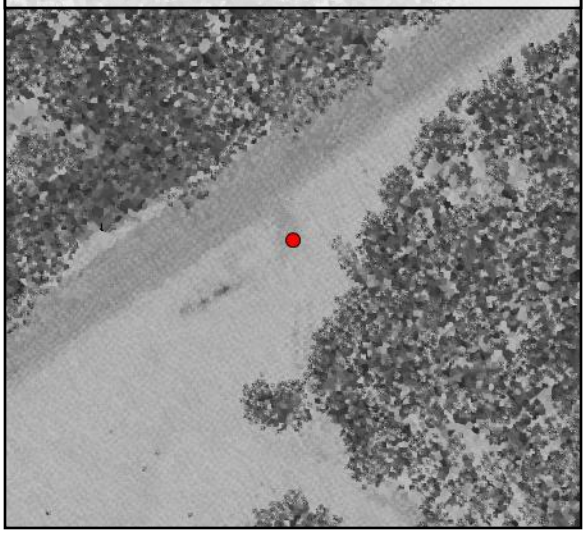
Southeast to Northwest



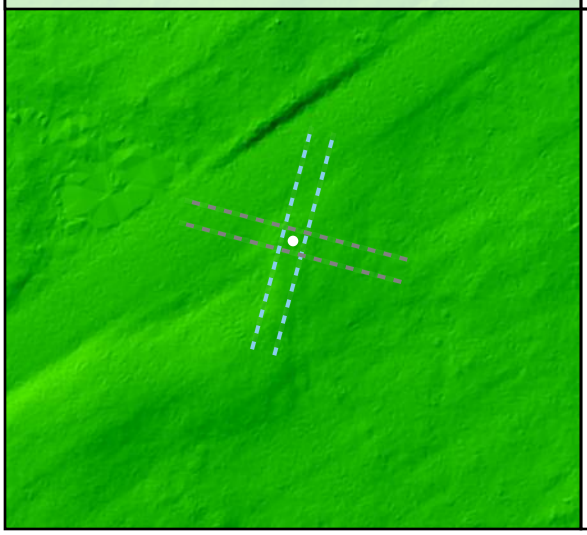
Southwest to Northeast



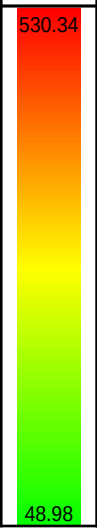
Intensity Raster



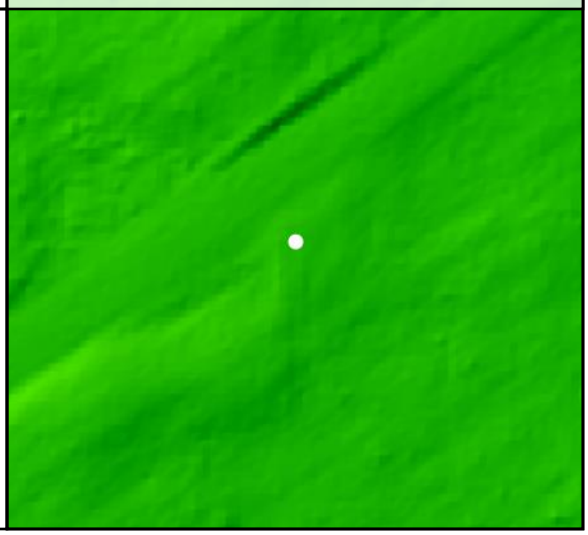
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.08 m

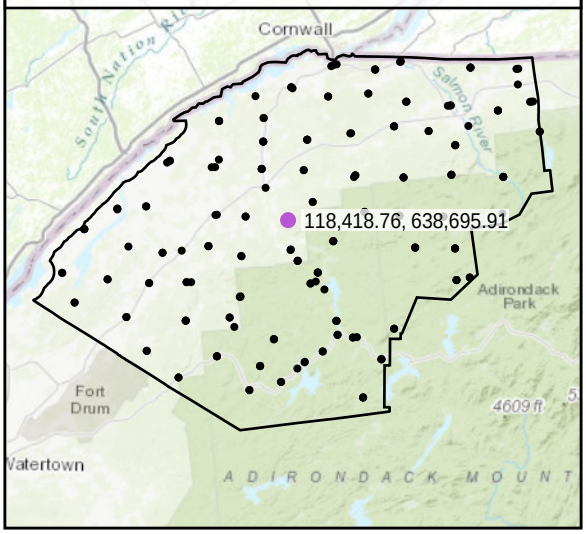
CAL - CA71

Raw TIN Dz -0.08 m

CA72

Known Z	270.02 m	Point Density	3.68 ppsm
DEM Dz	-0.07 m	Ground Density	3.61 ppsm
Raw TIN Dz	-0.07 m	Slope	1.01 °

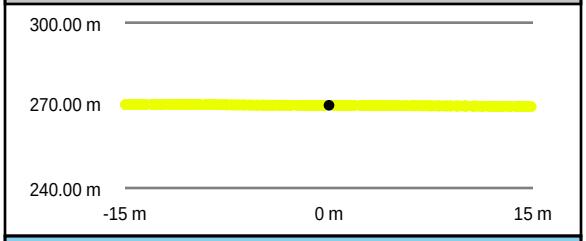
Project Context



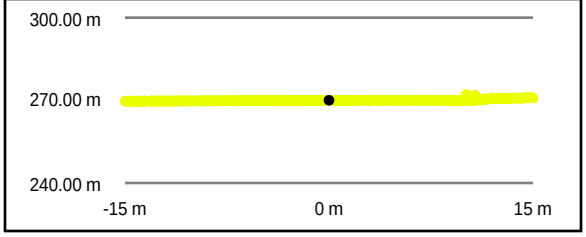
World Imagery



Southeast to Northwest



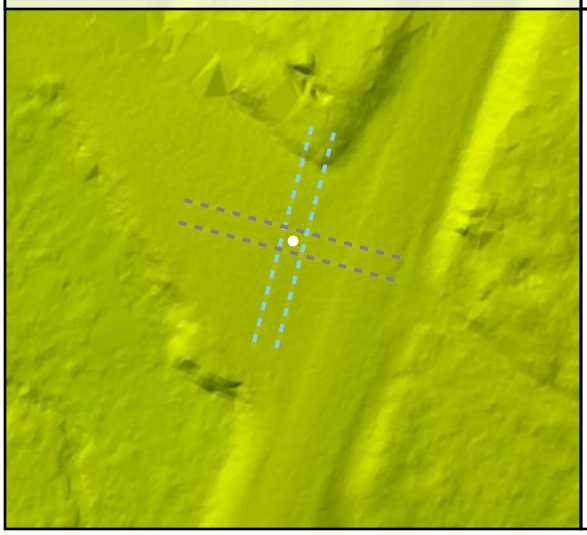
Southwest to Northeast



Intensity Raster



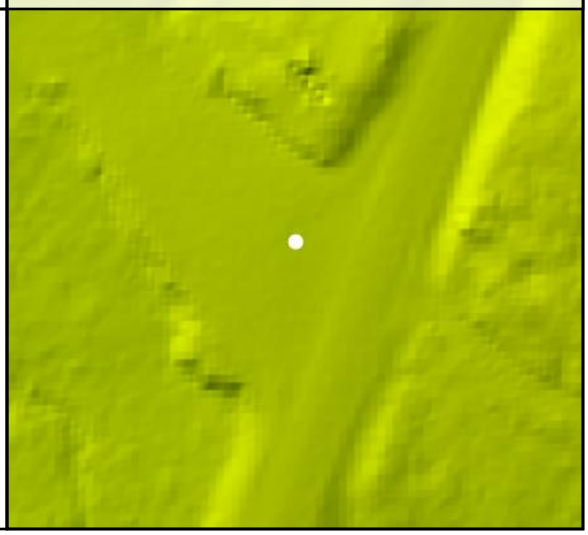
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.07 m

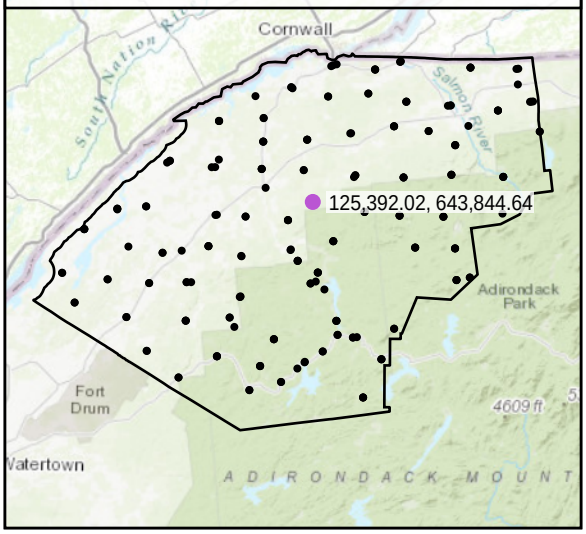
CAL - CA72

Raw TIN Dz -0.07 m

CA73

Known Z	271.73 m	Point Density	2.26 ppsm
DEM Dz	0.11 m	Ground Density	2.09 ppsm
Raw TIN Dz	0.12 m	Slope	0.73 °

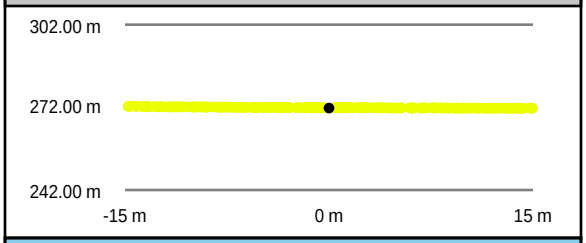
Project Context



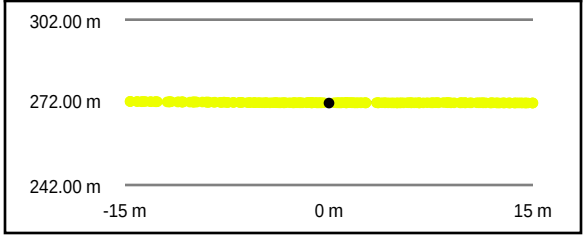
World Imagery



South to North



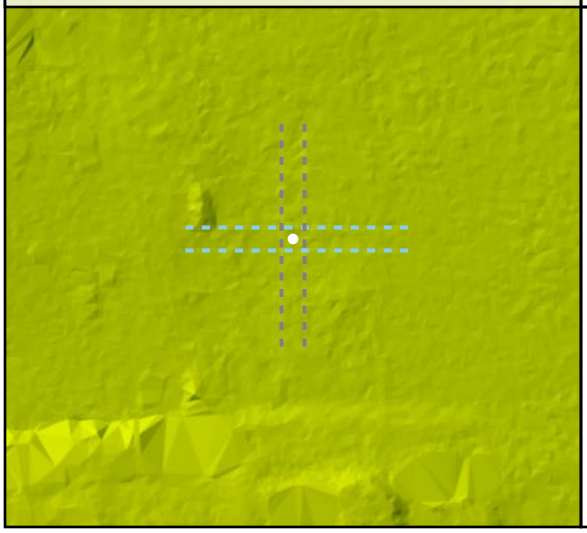
West to East



Intensity Raster



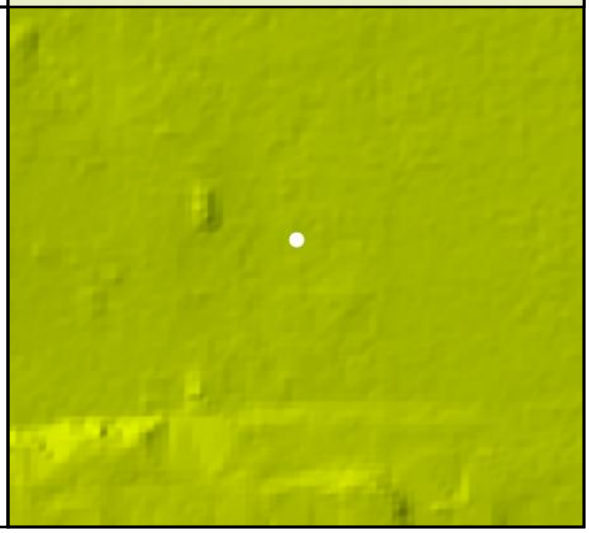
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.11 m

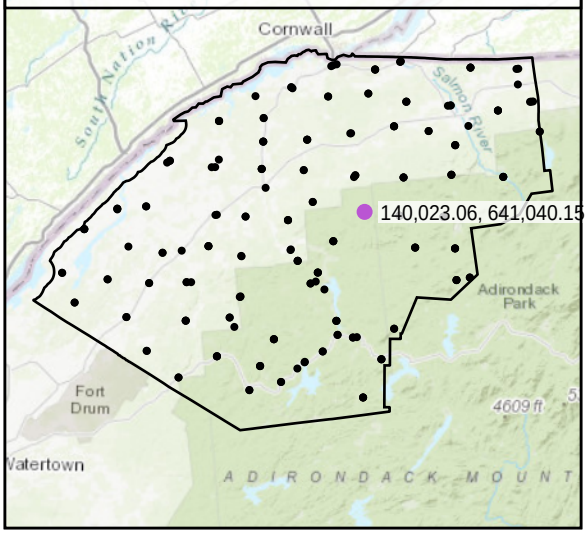
CAL - CA73

Raw TIN Dz +0.12 m

CA74

Known Z	432.52 m	Point Density	2.33 ppsm
DEM Dz	-0.01 m	Ground Density	2.30 ppsm
Raw TIN Dz	-0.01 m	Slope	3.51 °

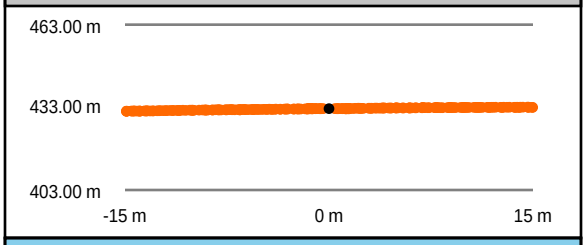
Project Context



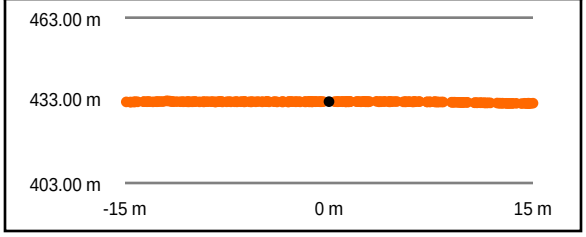
World Imagery



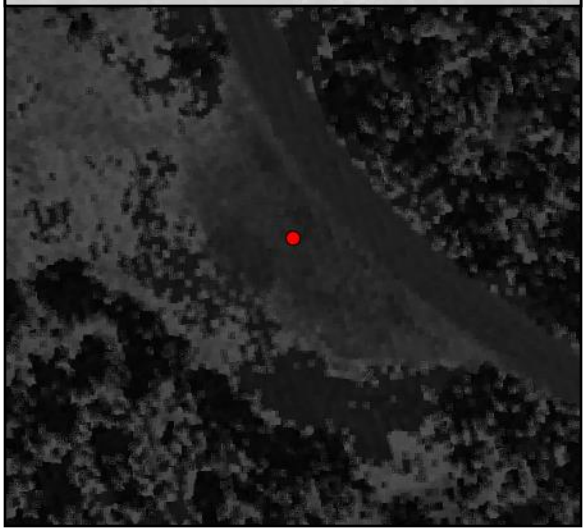
Southeast to Northwest



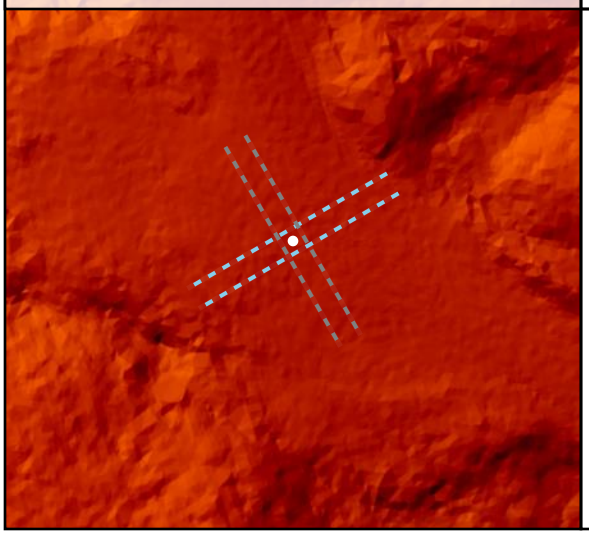
Southwest to Northeast



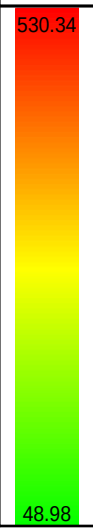
Intensity Raster



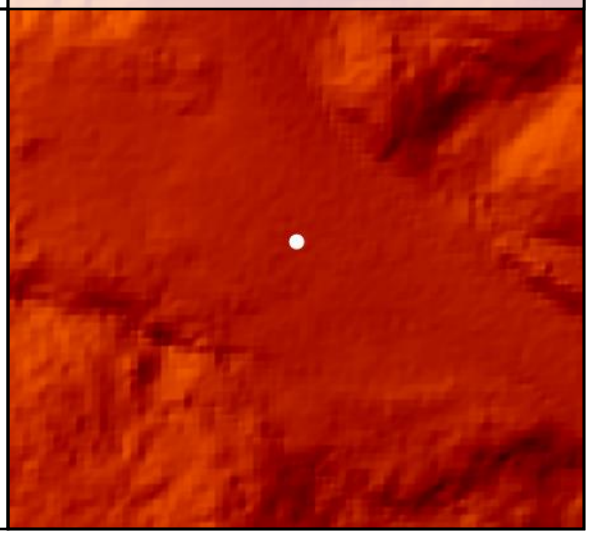
TIN Surface



Project Elevation



DEM Surface



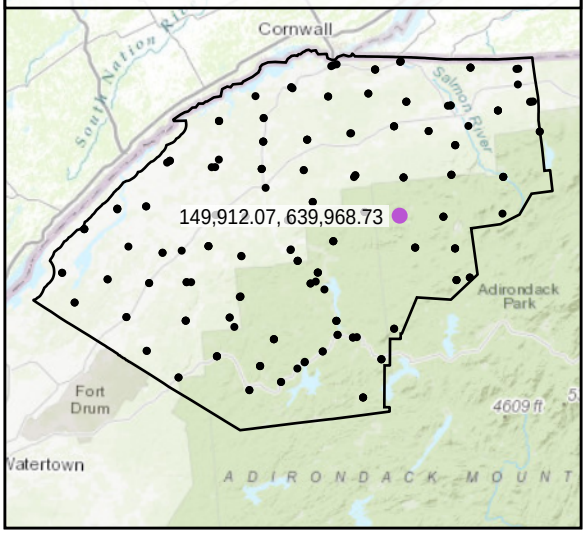
DEM Dz -0.01 m

CAL - CA74

Raw TIN Dz -0.01 m

CA75				
	Known Z	437.19 m	Point Density	2.23 ppsm
	DEM Dz	0.04 m	Ground Density	2.19 ppsm
	Raw TIN Dz	0.03 m	Slope	0.68 °

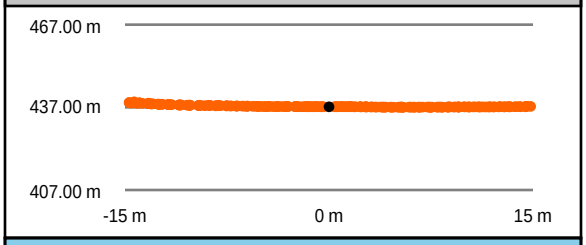
Project Context



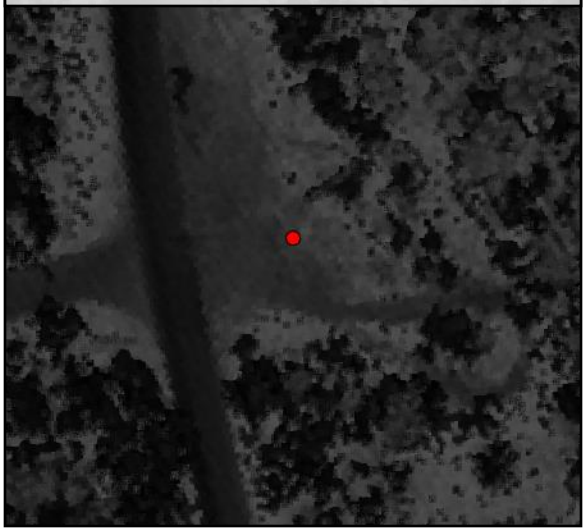
World Imagery



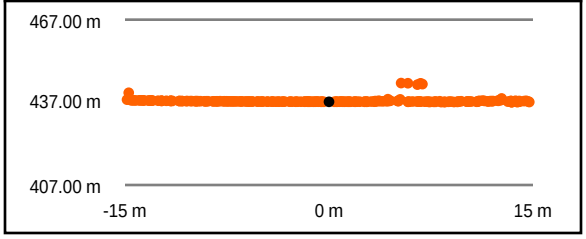
Southeast to Northwest



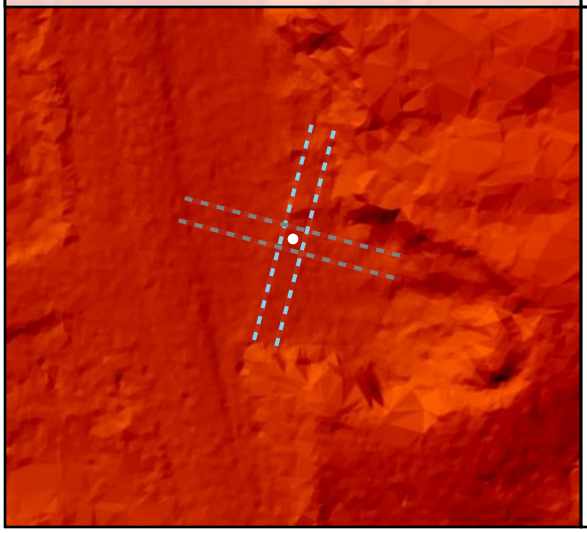
Intensity Raster



Southwest to Northeast



TIN Surface

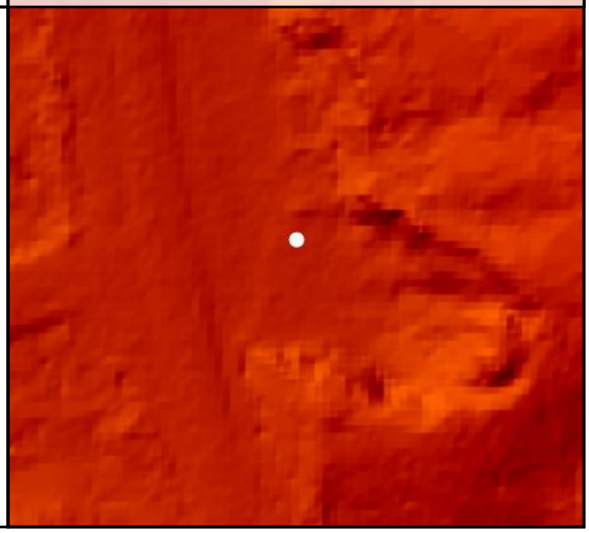


Project Elevation

530.34

48.98

DEM Surface



DEM Dz +0.04 m

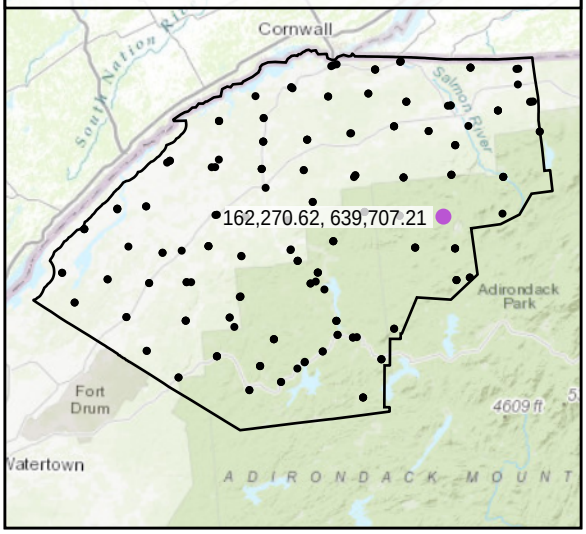
CAL - CA75

Raw TIN Dz +0.03 m

CA76

Known Z	444.70 m	Point Density	2.19 ppsm
DEM Dz	0.03 m	Ground Density	2.19 ppsm
Raw TIN Dz	0.03 m	Slope	1.57 °

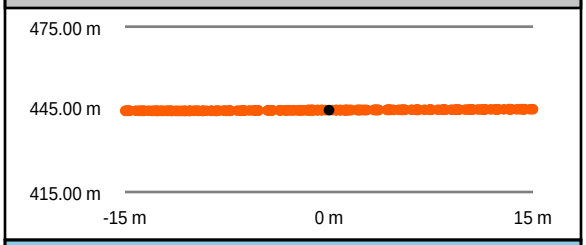
Project Context



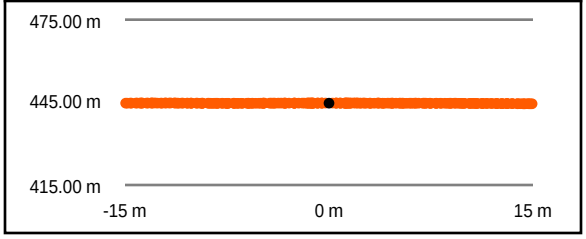
World Imagery



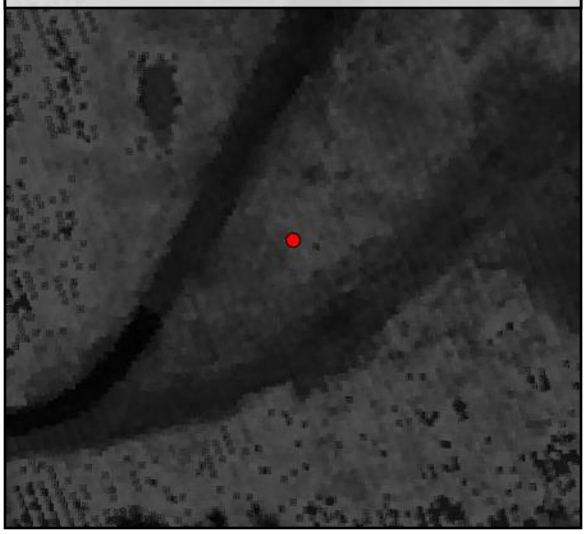
South to North



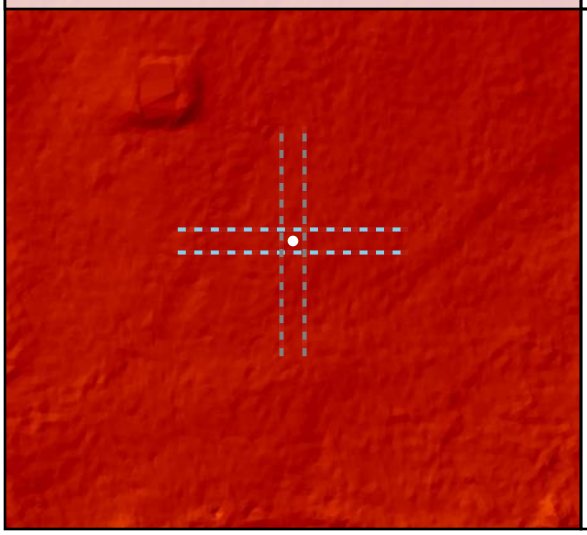
West to East



Intensity Raster



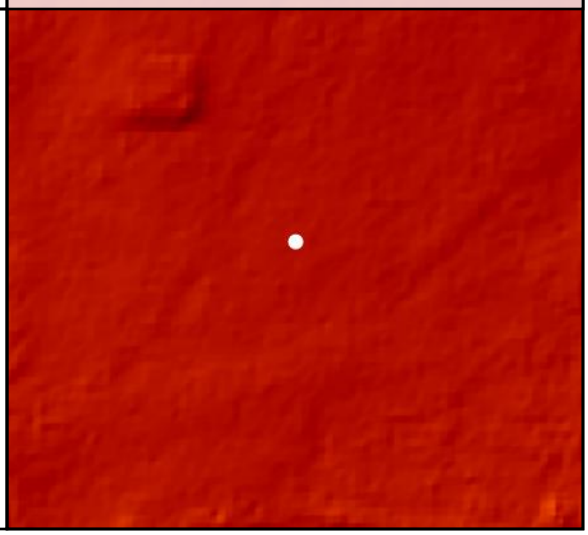
TIN Surface



Project Elevation



DEM Surface



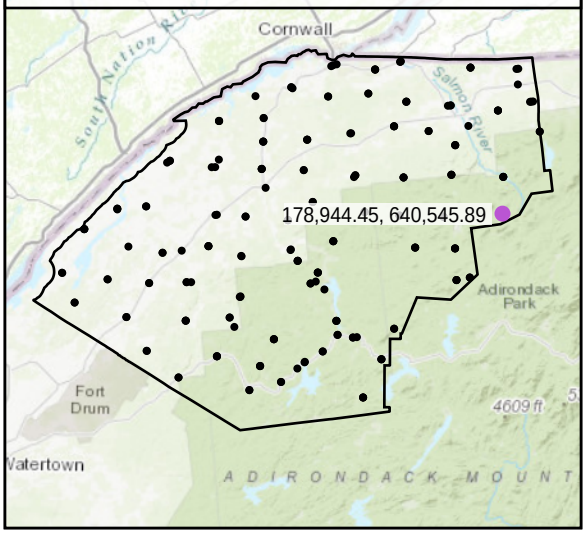
DEM Dz +0.03 m

CAL - CA76

Raw TIN Dz +0.03 m

CA77				
	Known Z	511.90 m	Point Density	2.09 ppsm
	DEM Dz	-0.04 m	Ground Density	2.09 ppsm
	Raw TIN Dz	-0.05 m	Slope	1.84 °

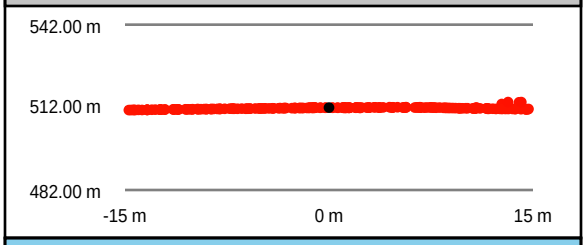
Project Context



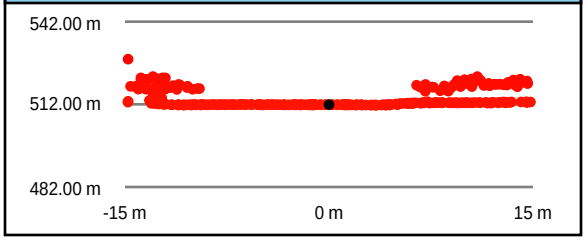
World Imagery



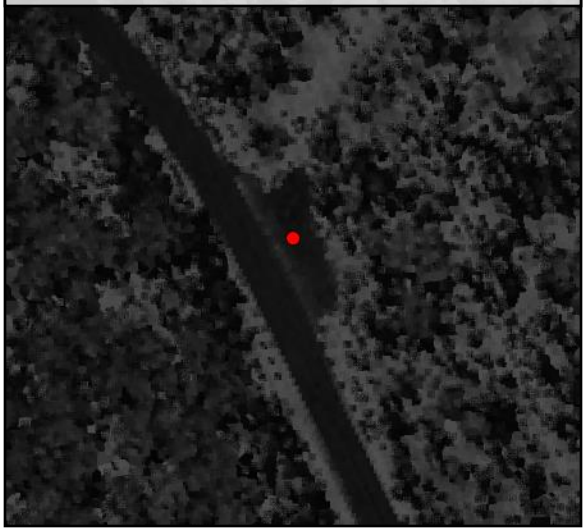
South to North



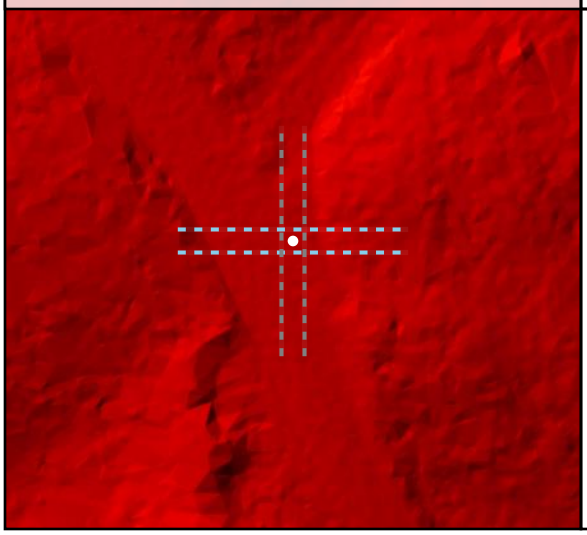
West to East



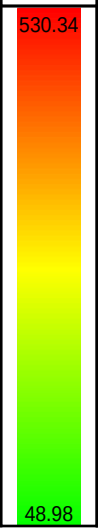
Intensity Raster



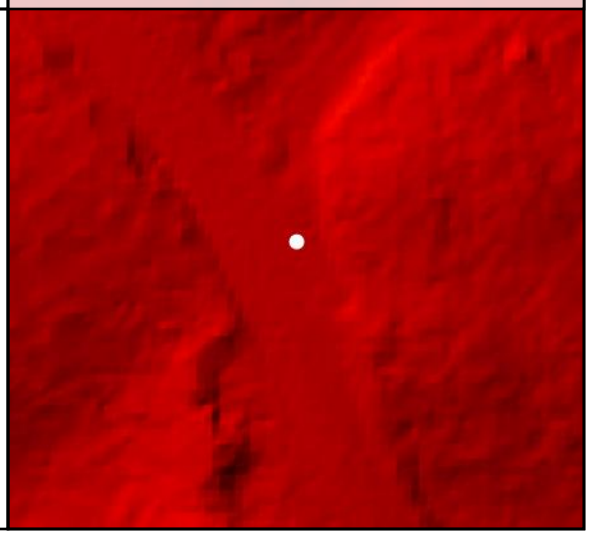
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.04 m

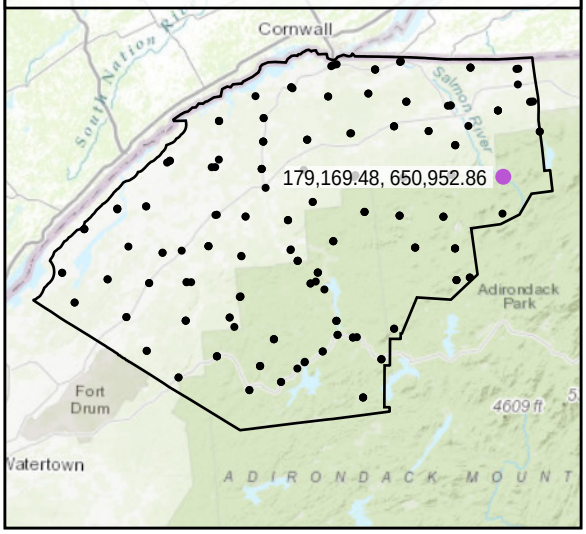
CAL - CA77

Raw TIN Dz -0.05 m

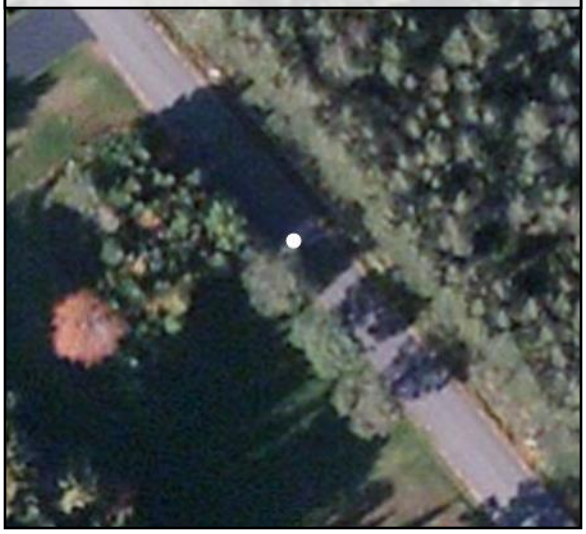
CA78

Known Z	461.24 m	Point Density	2.05 ppsm
DEM Dz	0.01 m	Ground Density	1.98 ppsm
Raw TIN Dz	0.01 m	Slope	0.62 °

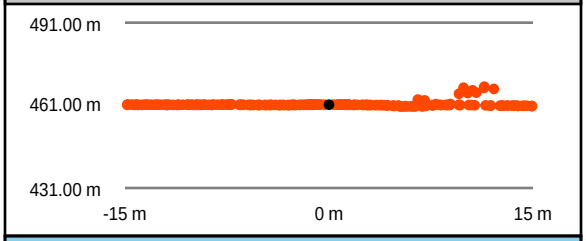
Project Context



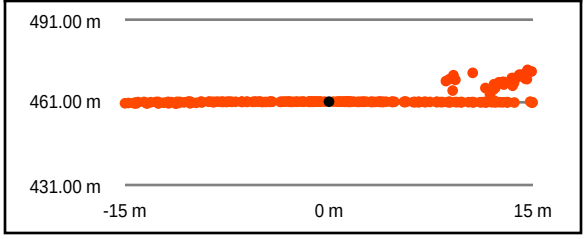
World Imagery



Southwest to Northeast



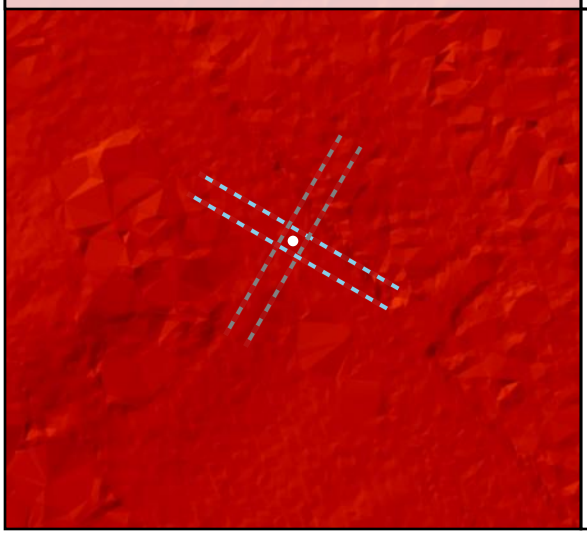
Southeast to Northwest



Intensity Raster



TIN Surface

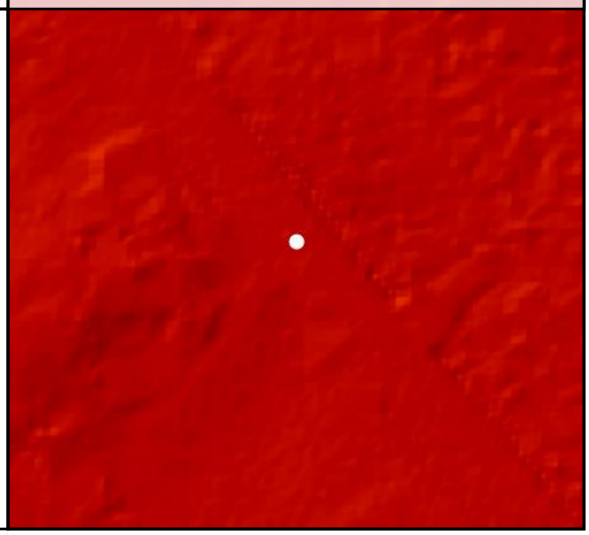


Project Elevation

530.34

48.98

DEM Surface



DEM Dz +0.01 m

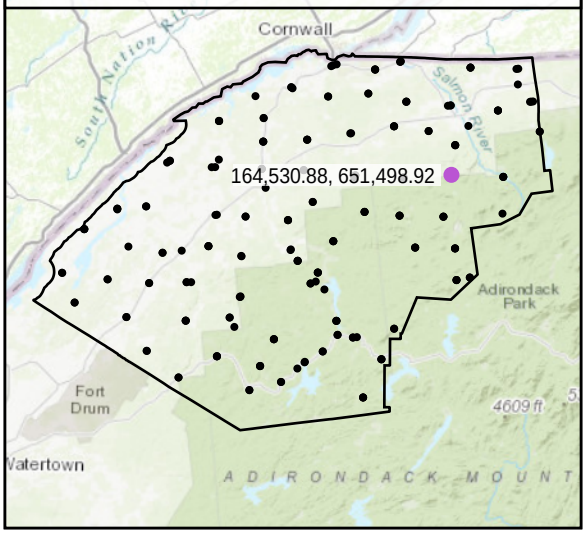
CAL - CA78

Raw TIN Dz +0.01 m

CA79

Known Z	463.96 m	Point Density	2.33 ppsm
DEM Dz	0.01 m	Ground Density	2.26 ppsm
Raw TIN Dz	-0.02 m	Slope	1.17 °

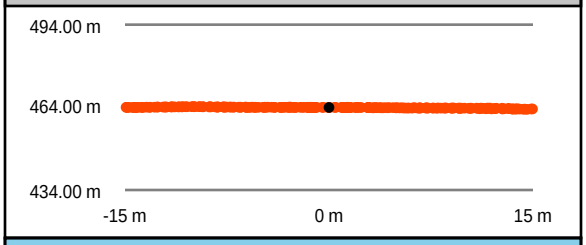
Project Context



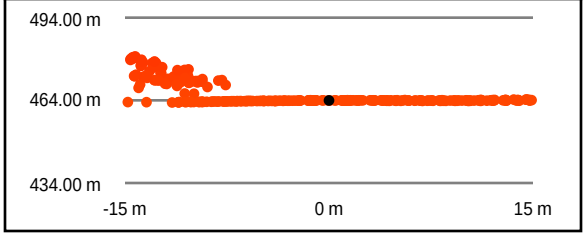
World Imagery



Southeast to Northwest



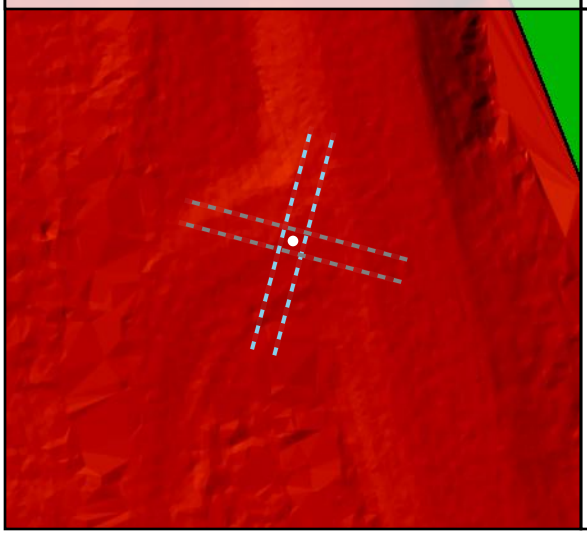
Southwest to Northeast



Intensity Raster



TIN Surface

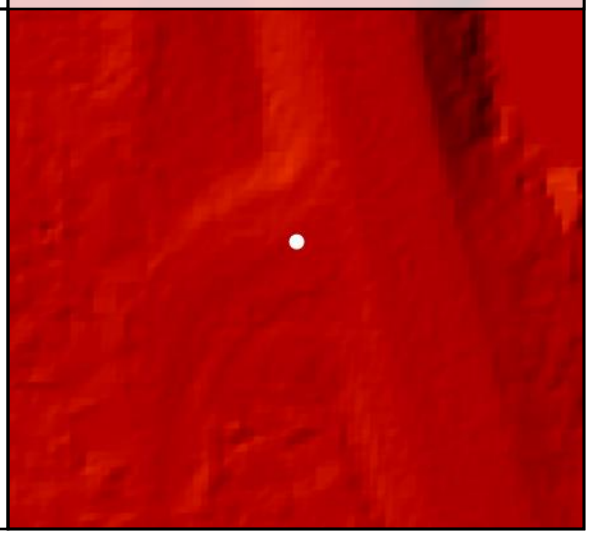


Project Elevation

530.34

48.98

DEM Surface



DEM Dz +0.01 m

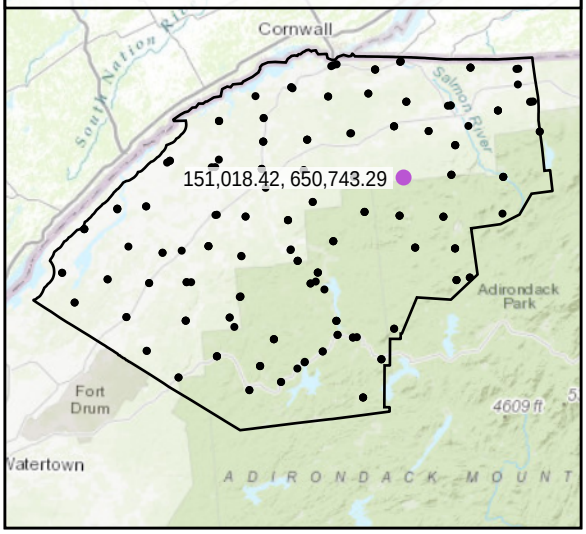
CAL - CA79

Raw TIN Dz -0.02 m

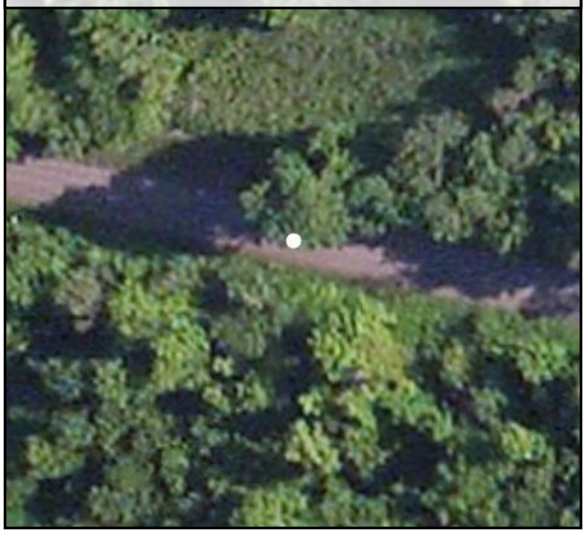
CA80

Known Z	423.30 m	Point Density	2.05 ppsm
DEM Dz	-0.01 m	Ground Density	2.05 ppsm
Raw TIN Dz	0.00 m	Slope	0.29 °

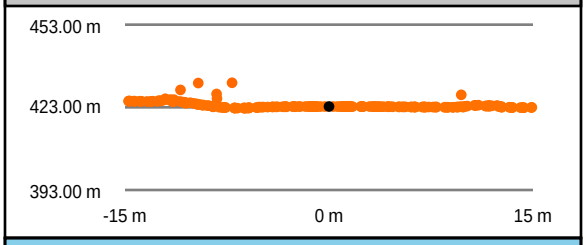
Project Context



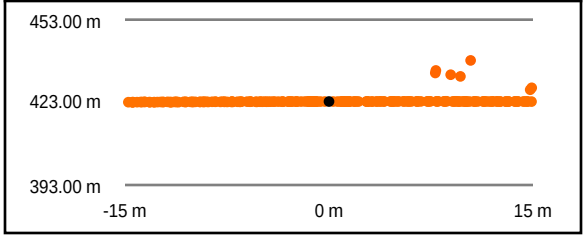
World Imagery



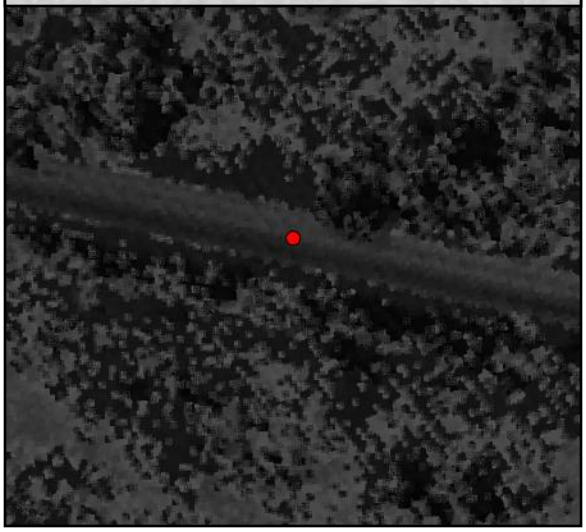
South to North



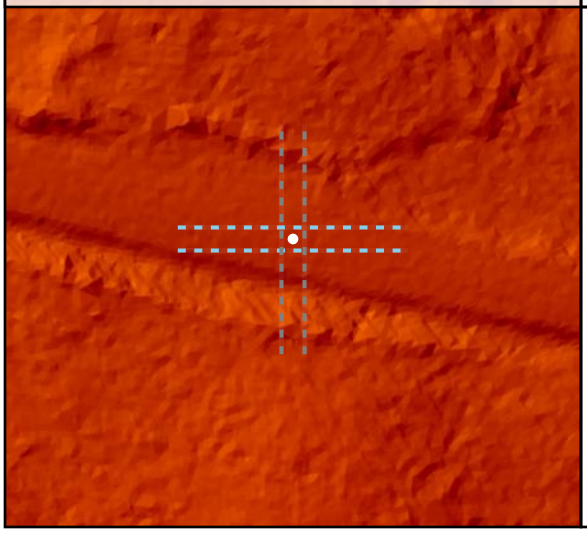
West to East



Intensity Raster



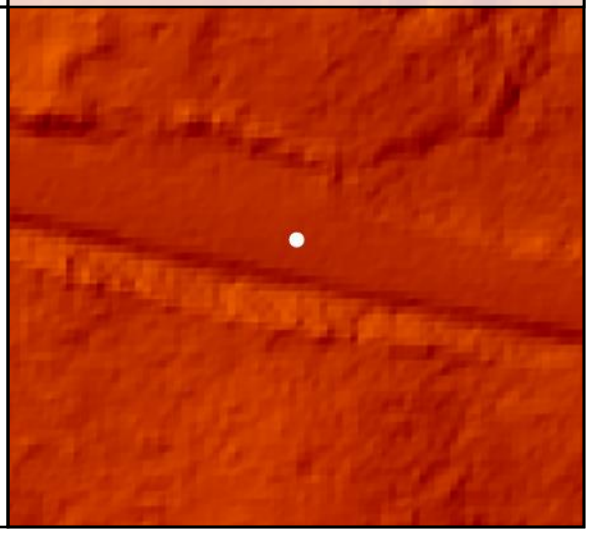
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.01 m

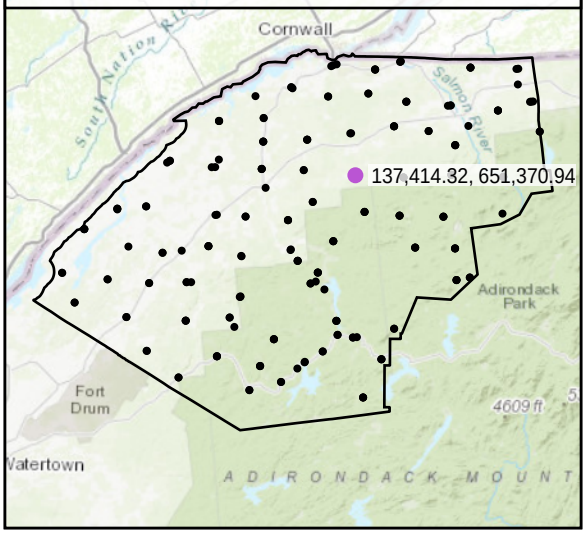
CAL - CA80

Raw TIN Dz 0.00 m

CA81

Known Z	236.56 m	Point Density	2.37 ppsm
DEM Dz	0.00 m	Ground Density	2.30 ppsm
Raw TIN Dz	-0.02 m	Slope	1.57 °

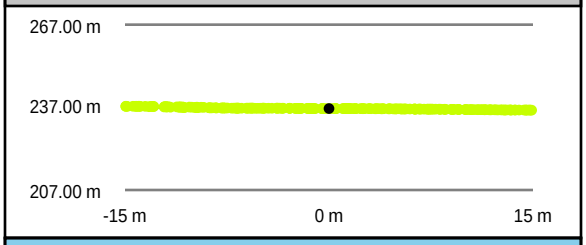
Project Context



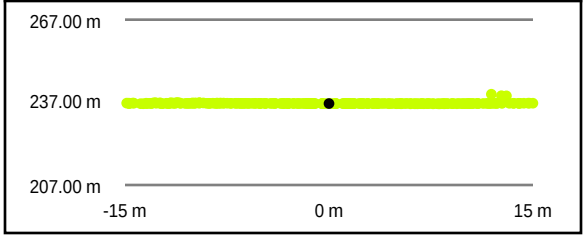
World Imagery



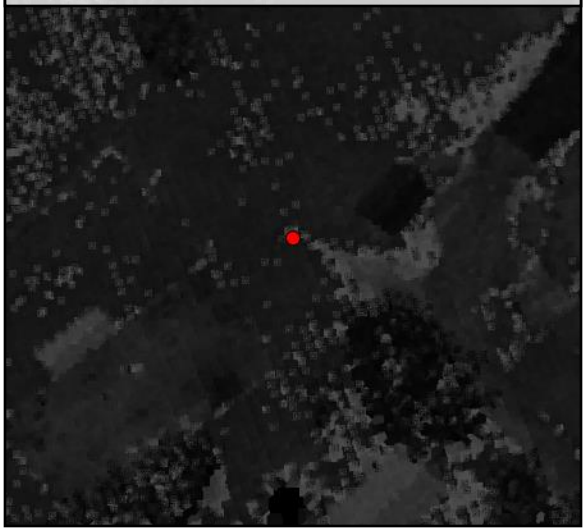
South to North



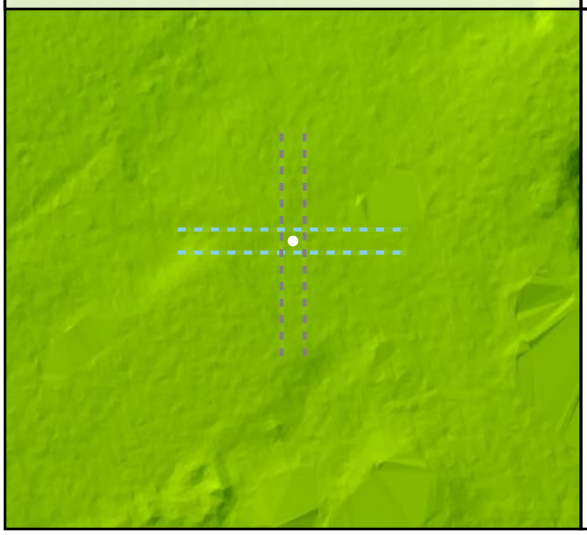
West to East



Intensity Raster



TIN Surface

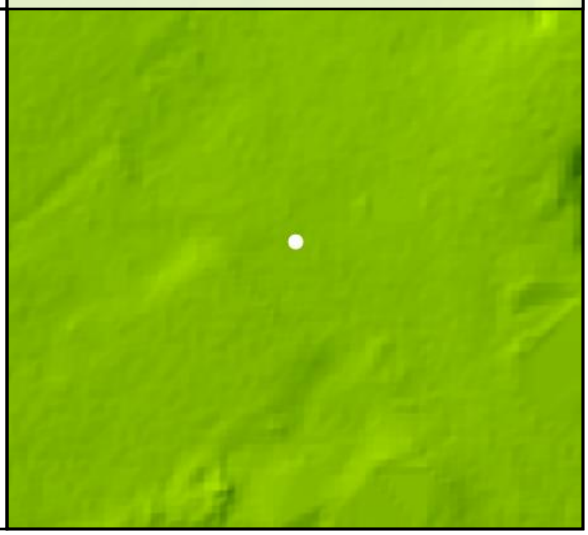


Project Elevation

530.34

48.98

DEM Surface



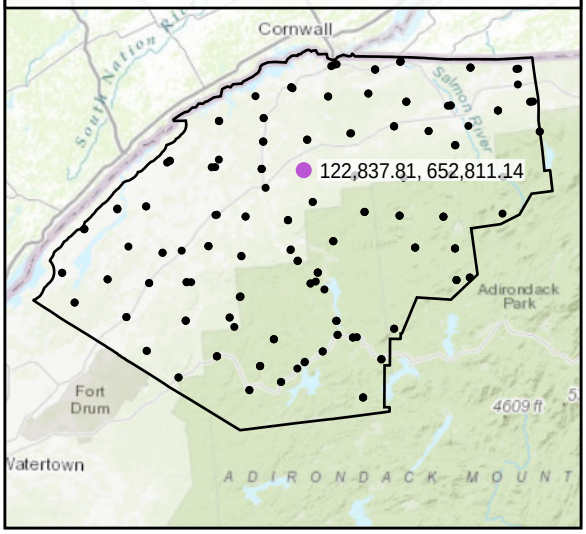
DEM Dz 0.00 m

CAL - CA81

Raw TIN Dz -0.02 m

CA82				
	Known Z	127.22 m	Point Density	4.03 ppsm
	DEM Dz	-0.01 m	Ground Density	3.25 ppsm
	Raw TIN Dz	-0.01 m	Slope	0.77 °

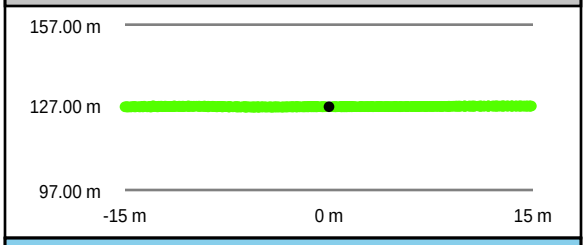
Project Context



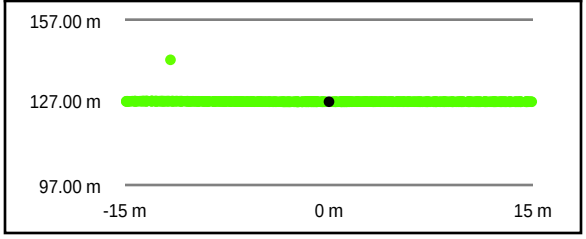
World Imagery



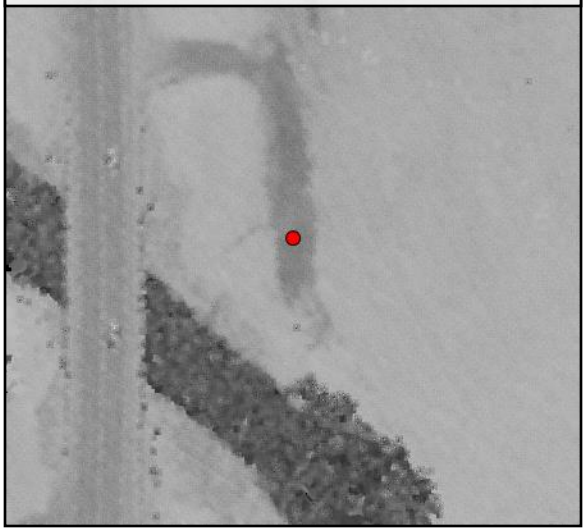
West to East



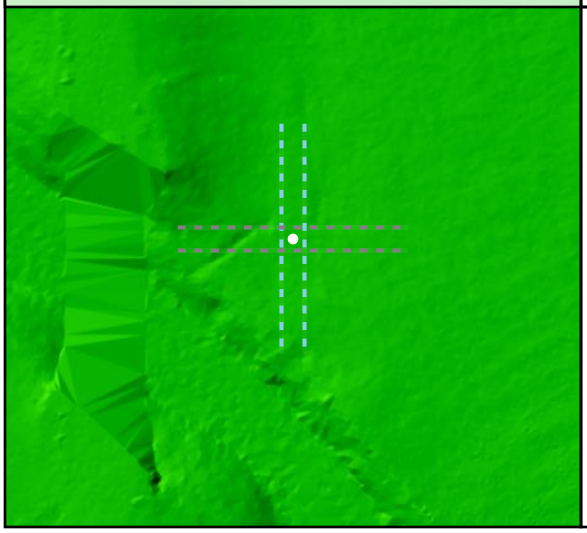
South to North



Intensity Raster



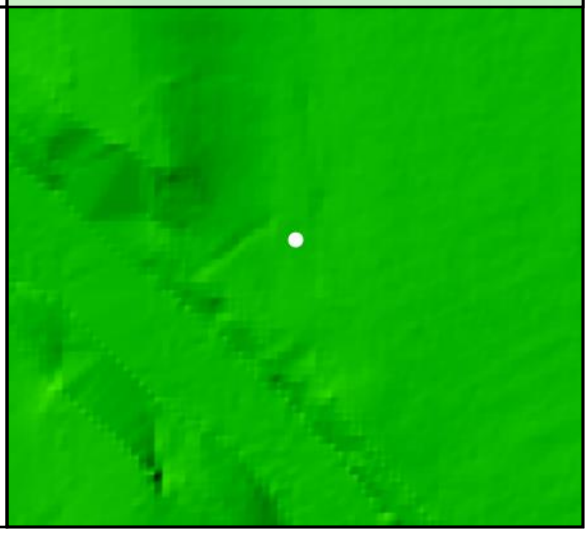
TIN Surface



Project Elevation



DEM Surface



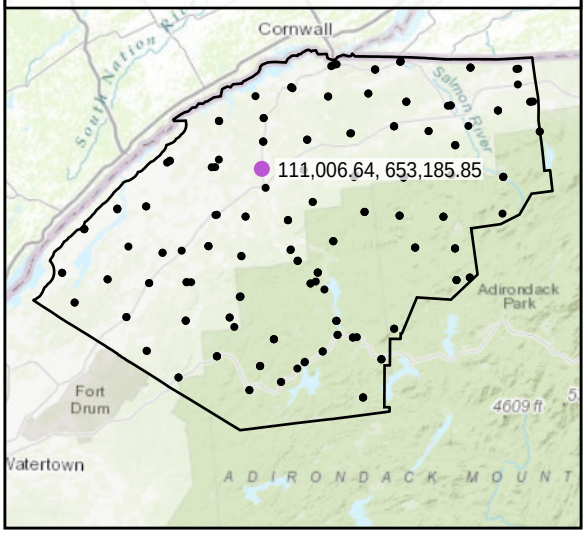
DEM Dz -0.01 m

CAL - CA82

Raw TIN Dz -0.01 m

CA83				
	Known Z	111.95 m	Point Density	3.68 ppsm
	DEM Dz	-0.04 m	Ground Density	3.32 ppsm
	Raw TIN Dz	-0.04 m	Slope	2.10 °

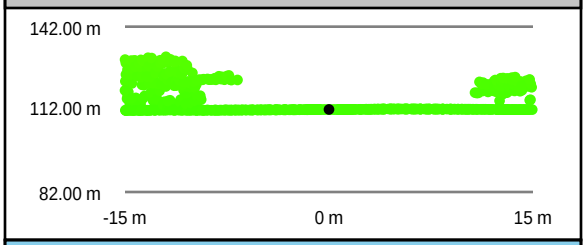
Project Context



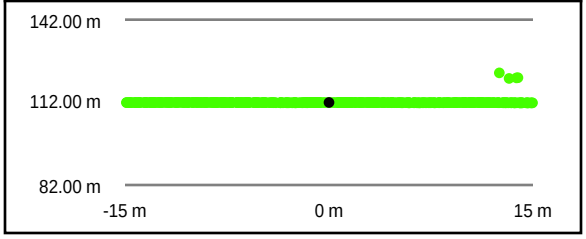
World Imagery



South to North



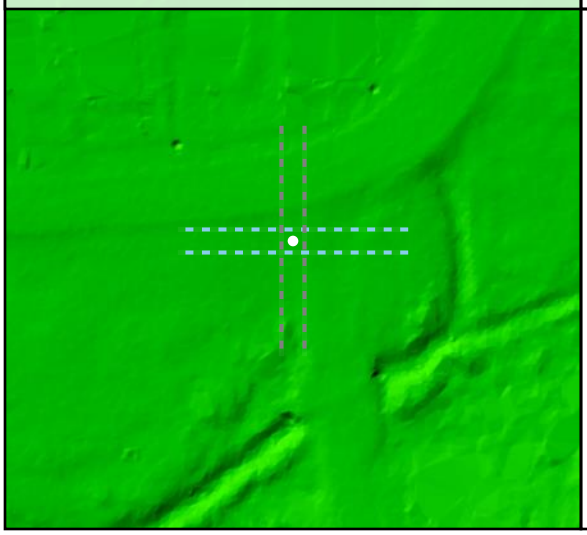
West to East



Intensity Raster



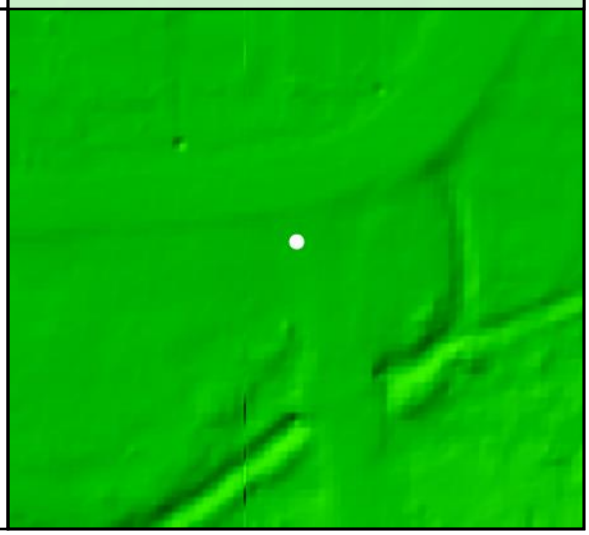
TIN Surface



Project Elevation



DEM Surface



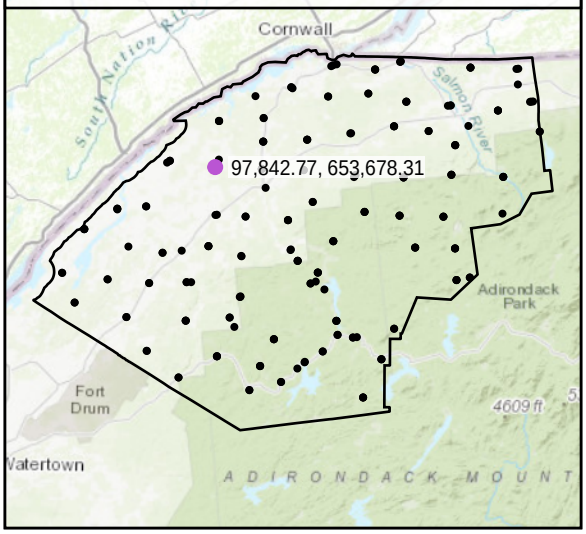
DEM Dz -0.04 m

CAL - CA83

Raw TIN Dz -0.04 m

CA84				
	Known Z	97.23 m	Point Density	3.64 ppsm
	DEM Dz	-0.04 m	Ground Density	3.32 ppsm
	Raw TIN Dz	-0.04 m	Slope	0.85 °

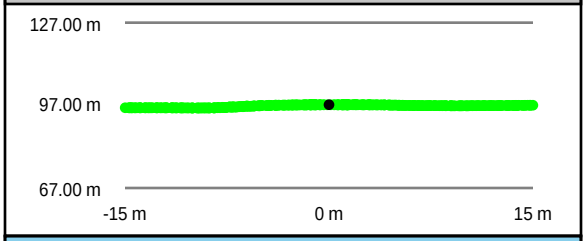
Project Context



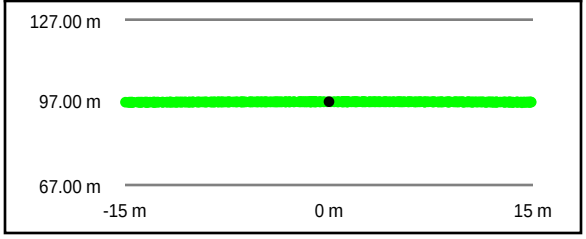
World Imagery



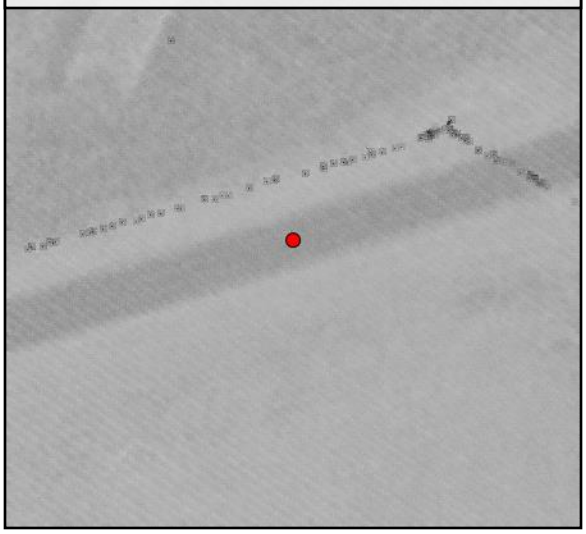
South to North



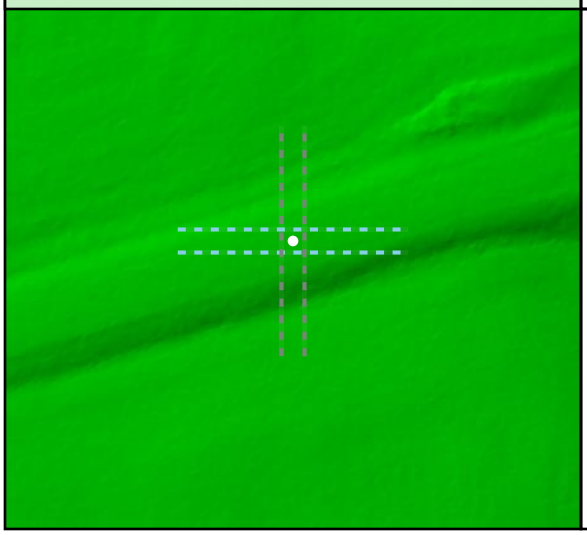
West to East



Intensity Raster



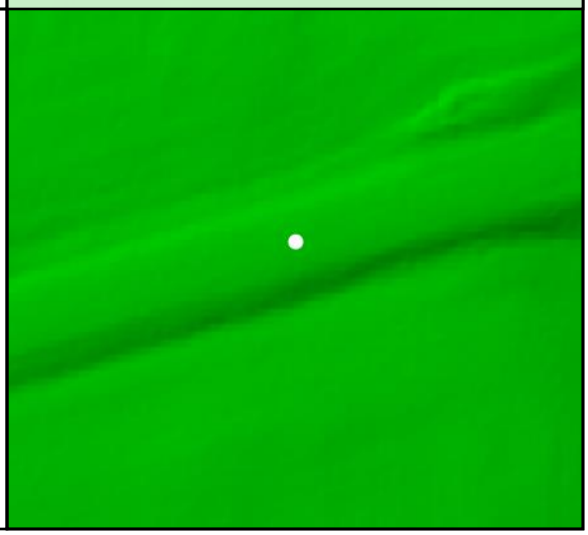
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.04 m

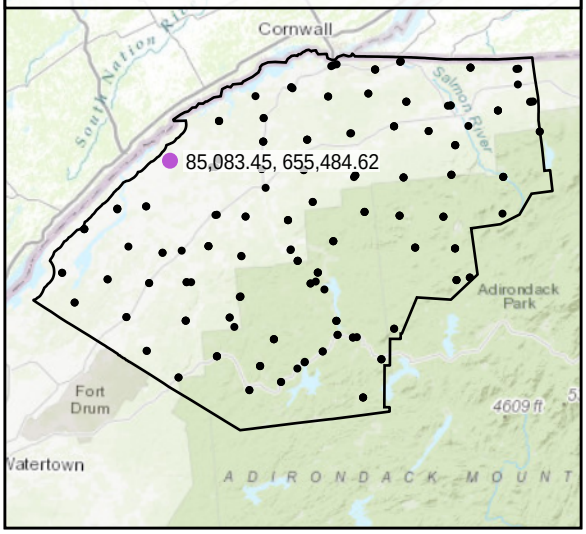
CAL - CA84

Raw TIN Dz -0.04 m

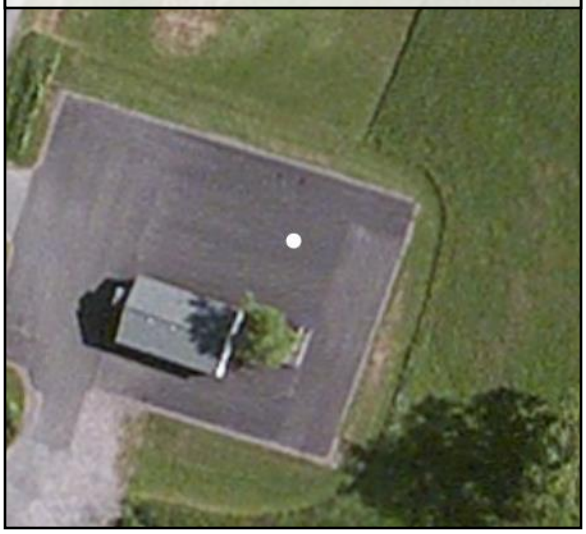
CA85

Known Z	98.70 m	Point Density	6.12 ppsm
DEM Dz	-0.03 m	Ground Density	5.69 ppsm
Raw TIN Dz	-0.04 m	Slope	0.50 °

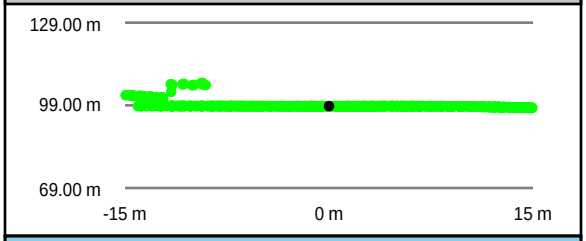
Project Context



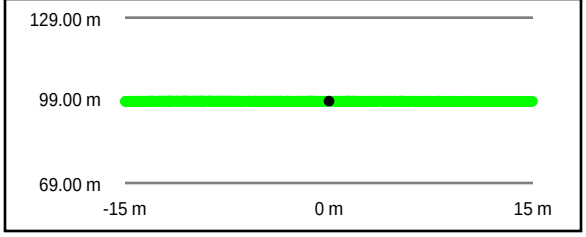
World Imagery



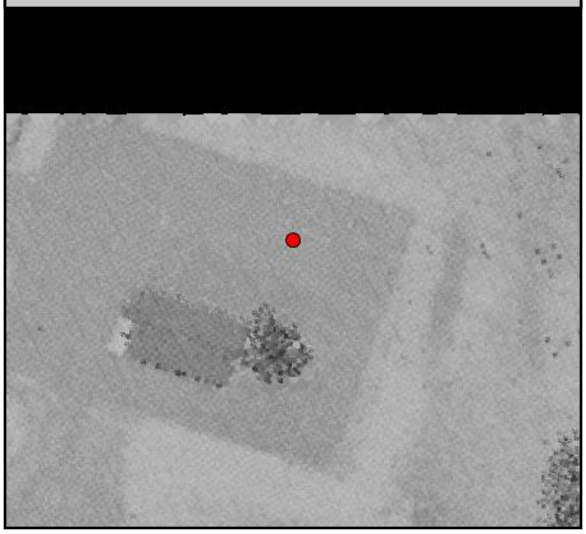
Southwest to Northeast



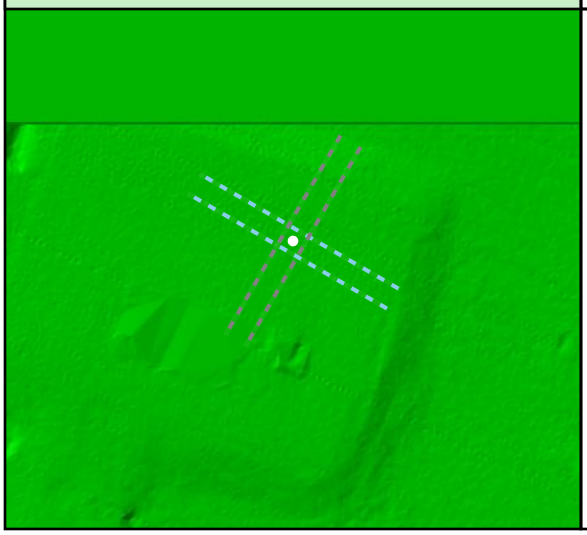
Southeast to Northwest



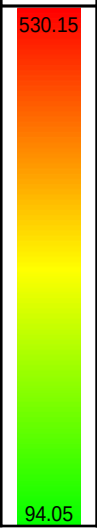
Intensity Raster



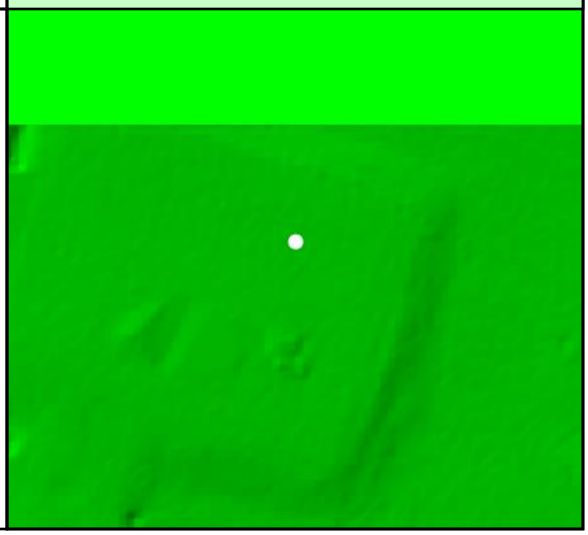
TIN Surface



Project Elevation



DEM Surface



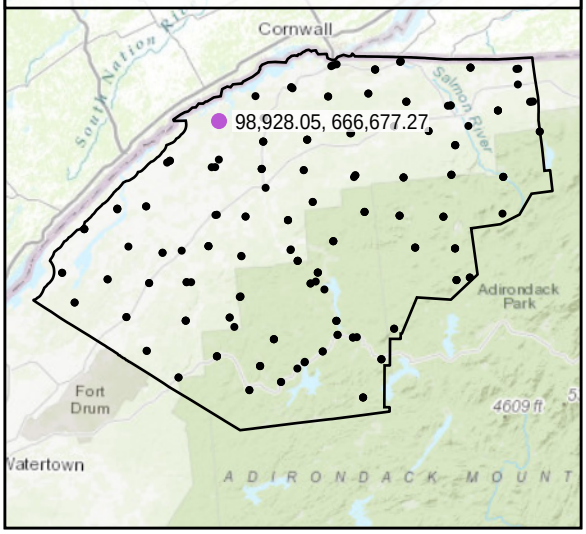
DEM Dz -0.03 m

CAL - CA85

Raw TIN Dz -0.04 m

CA86				
	Known Z	86.22 m	Point Density	4.31 ppsm
	DEM Dz	-0.07 m	Ground Density	3.43 ppsm
	Raw TIN Dz	-0.07 m	Slope	1.02 °

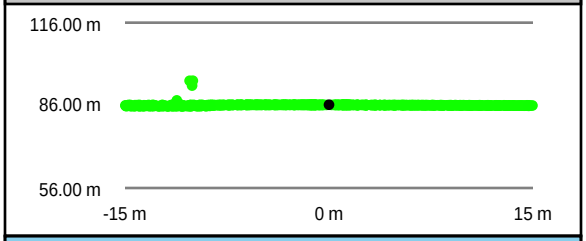
Project Context



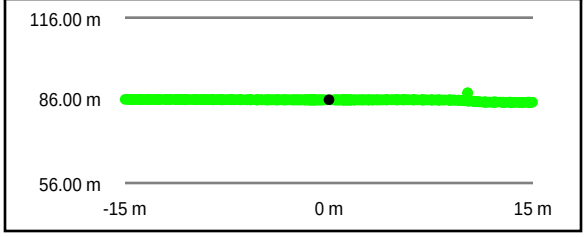
World Imagery



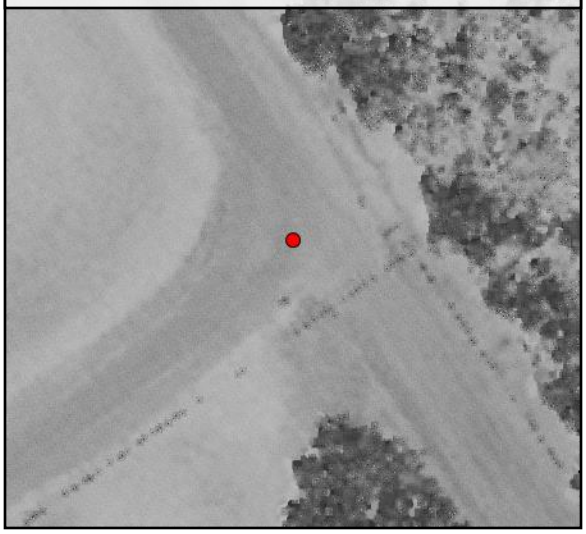
Southeast to Northwest



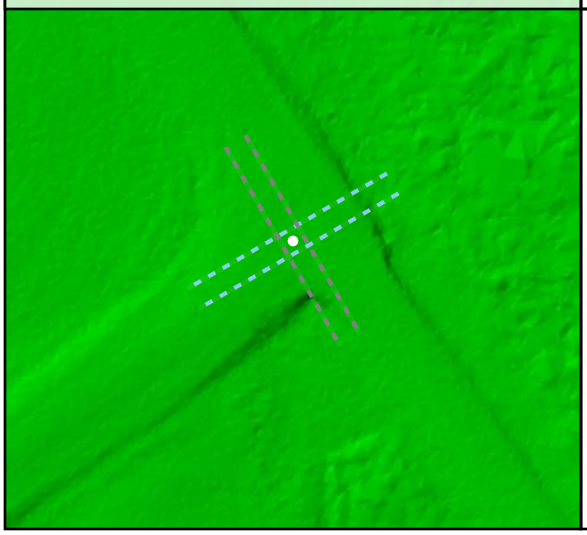
Southwest to Northeast



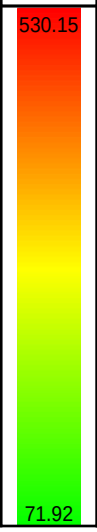
Intensity Raster



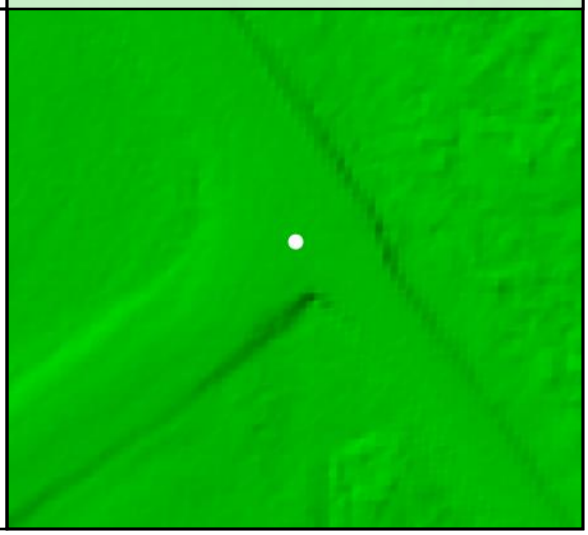
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.07 m

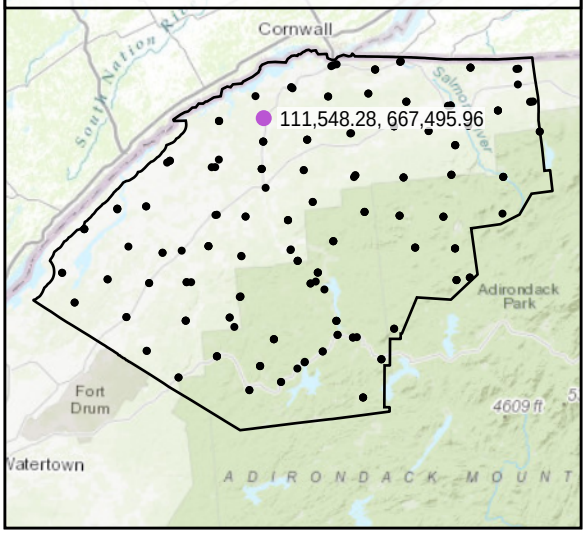
CAL - CA86

Raw TIN Dz -0.07 m

CA87

Known Z	72.47 m	Point Density	4.74 ppsm
DEM Dz	-0.06 m	Ground Density	4.49 ppsm
Raw TIN Dz	-0.05 m	Slope	1.10 °

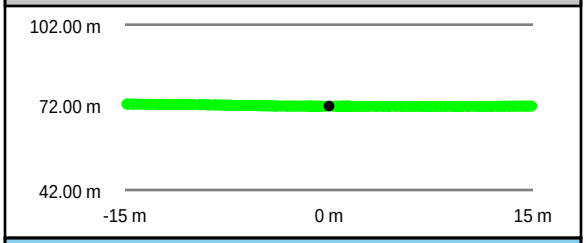
Project Context



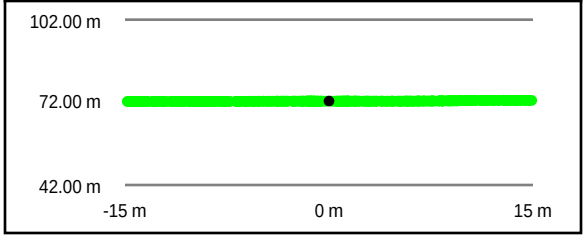
World Imagery



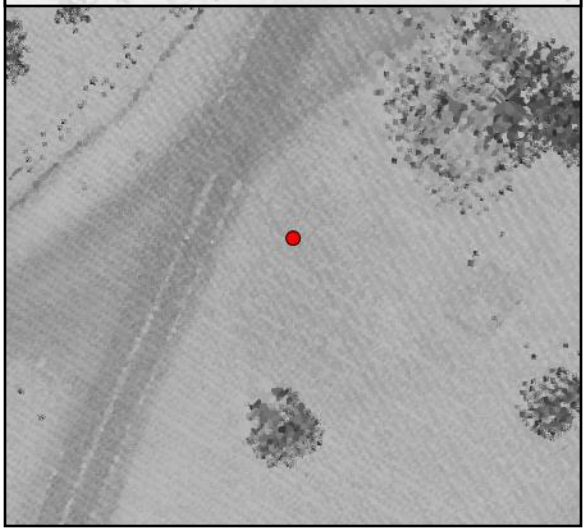
West to East



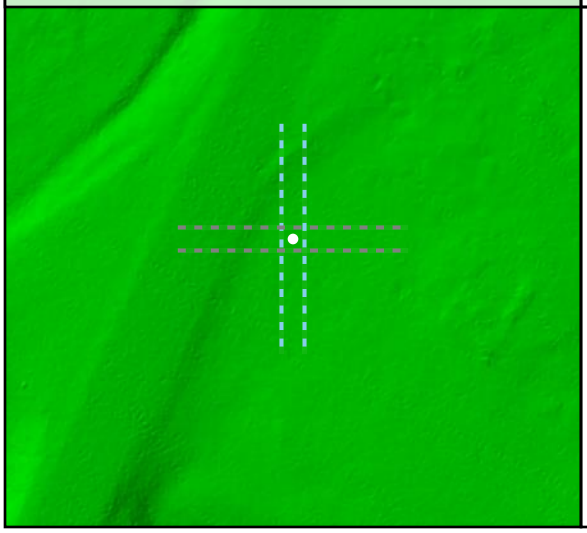
South to North



Intensity Raster



TIN Surface

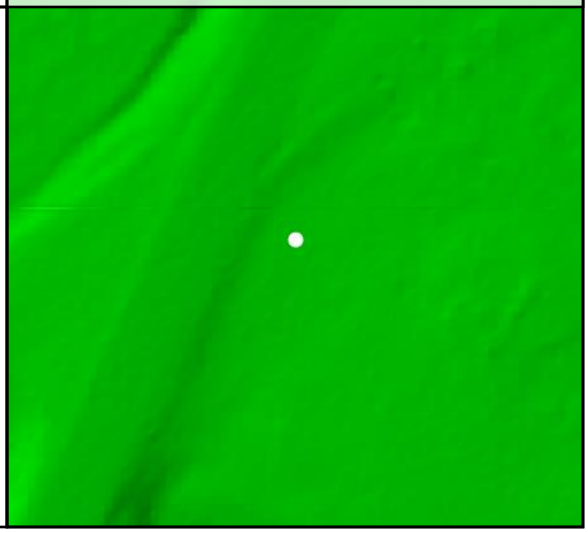


Project Elevation

530.34

71.2

DEM Surface



DEM Dz -0.06 m

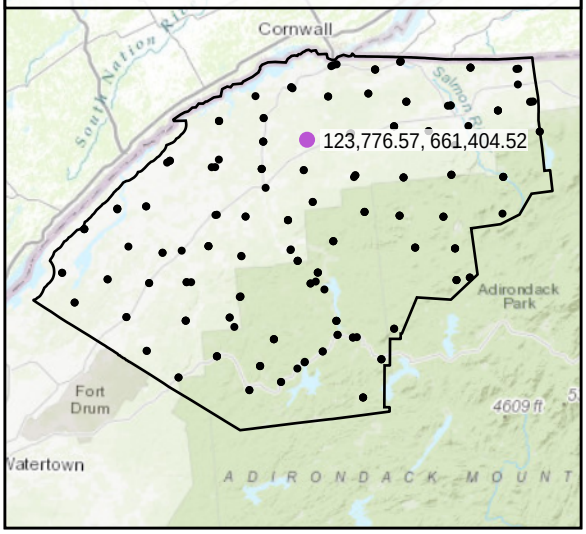
CAL - CA87

Raw TIN Dz -0.05 m

CA88

Known Z	112.15 m	Point Density	3.18 ppsm
DEM Dz	-0.04 m	Ground Density	3.04 ppsm
Raw TIN Dz	-0.03 m	Slope	0.40 °

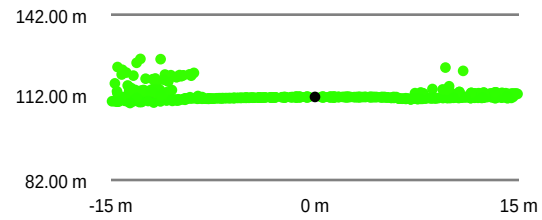
Project Context



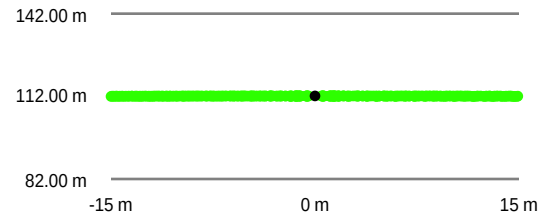
World Imagery



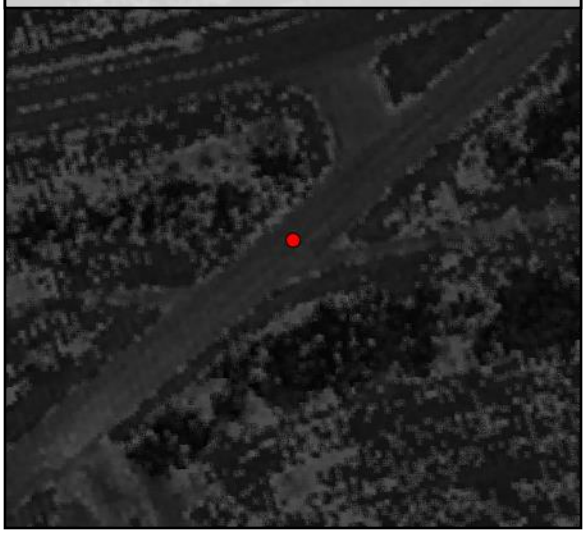
Southeast to Northwest



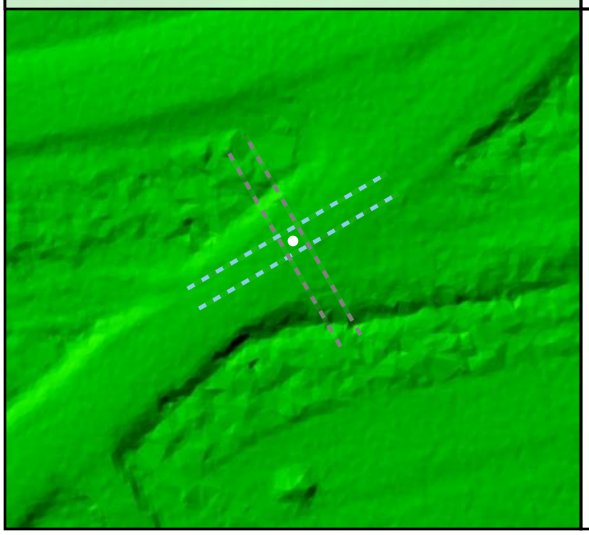
Southwest to Northeast



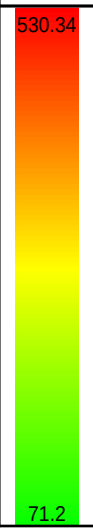
Intensity Raster



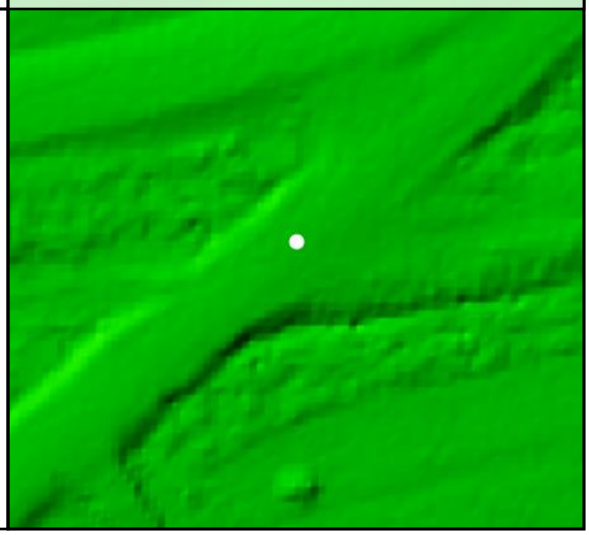
TIN Surface



Project Elevation



DEM Surface



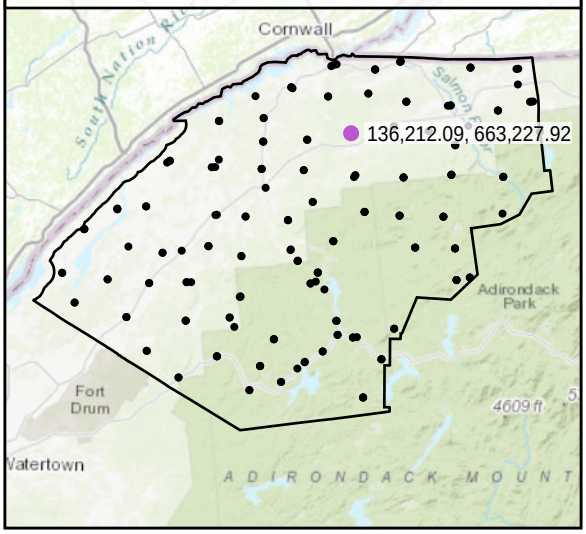
DEM Dz -0.04 m

CAL - CA88

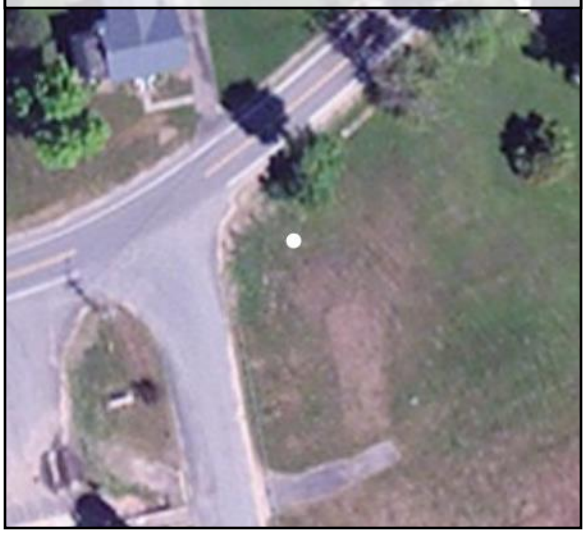
Raw TIN Dz -0.03 m

CA89				
	Known Z	103.92 m	Point Density	2.72 ppsm
	DEM Dz	-0.03 m	Ground Density	2.72 ppsm
	Raw TIN Dz	-0.05 m	Slope	1.51 °

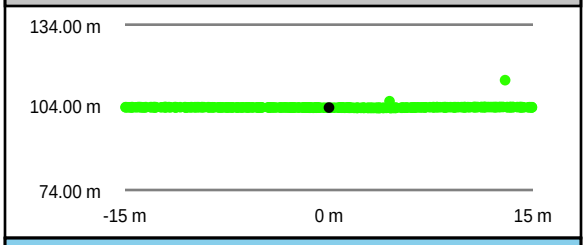
Project Context



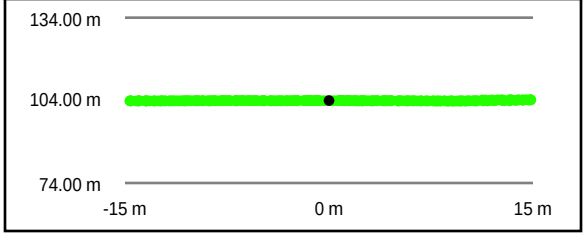
World Imagery



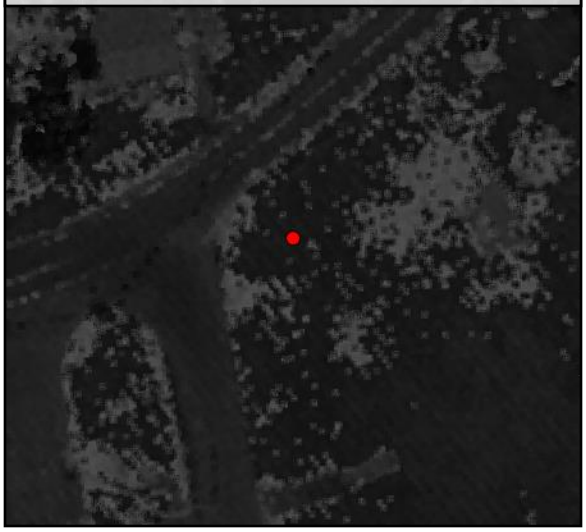
Southeast to Northwest



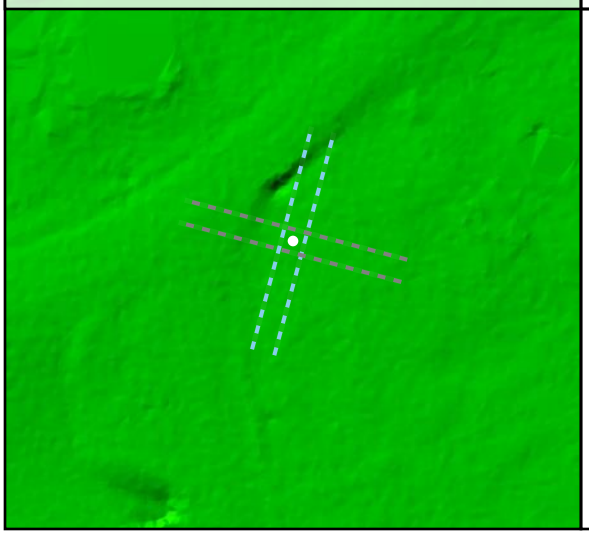
Southwest to Northeast



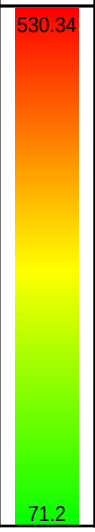
Intensity Raster



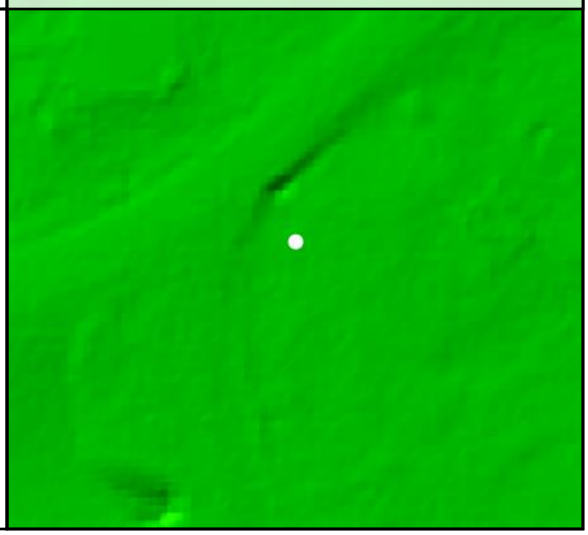
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.03 m

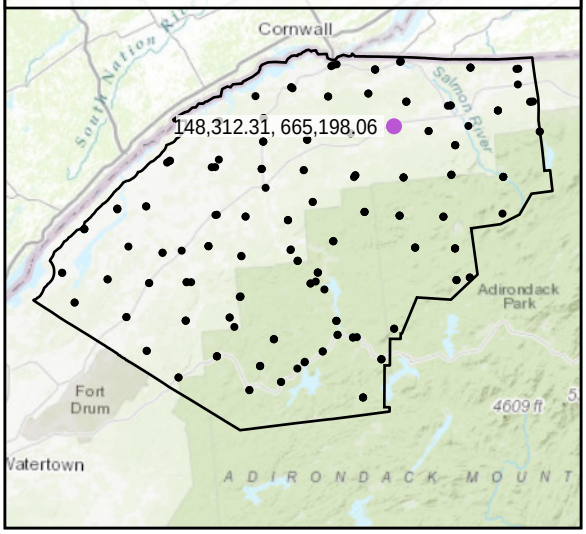
CAL - CA89

Raw TIN Dz -0.05 m

CA90

Known Z	136.18 m	Point Density	2.58 ppsm
DEM Dz	-0.01 m	Ground Density	2.58 ppsm
Raw TIN Dz	0.00 m	Slope	1.91 °

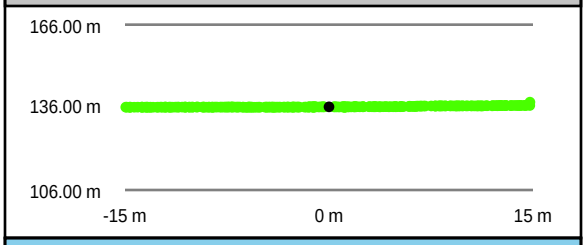
Project Context



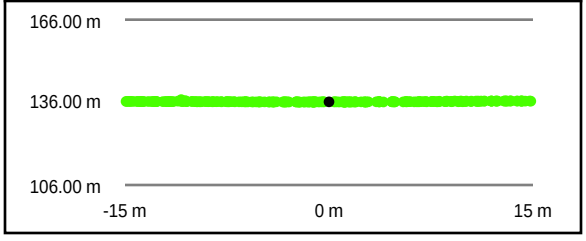
World Imagery



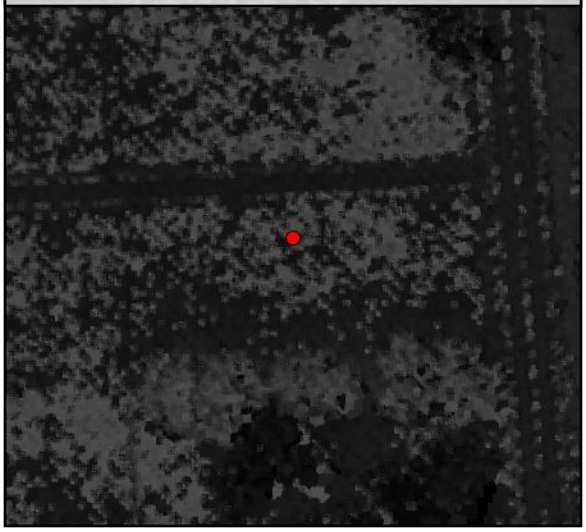
Southwest to Northeast



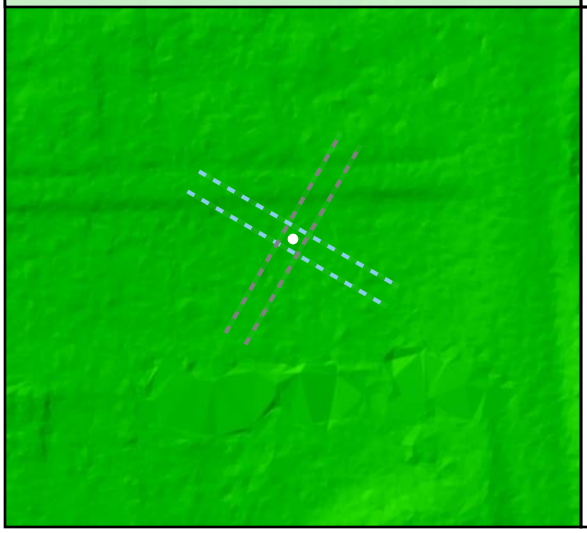
Southeast to Northwest



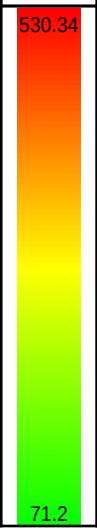
Intensity Raster



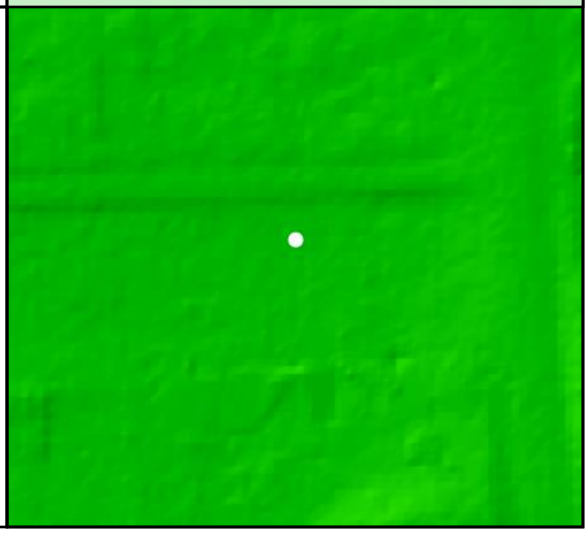
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.01 m

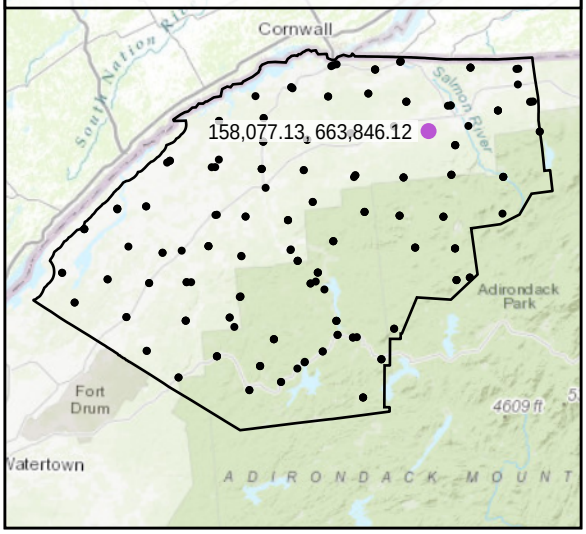
CAL - CA90

Raw TIN Dz 0.00 m

CA91

Known Z	237.22 m	Point Density	2.51 ppsm
DEM Dz	0.05 m	Ground Density	2.48 ppsm
Raw TIN Dz	0.07 m	Slope	1.70 °

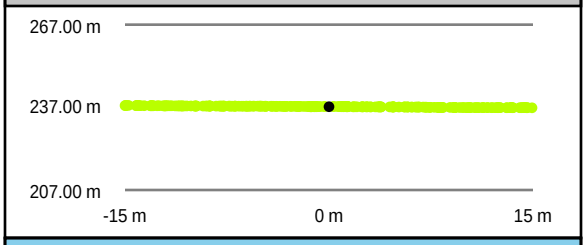
Project Context



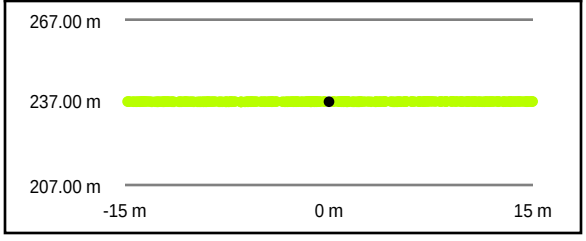
World Imagery



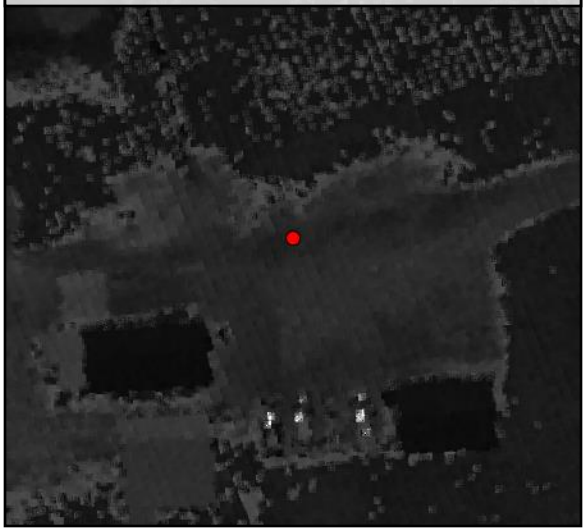
South to North



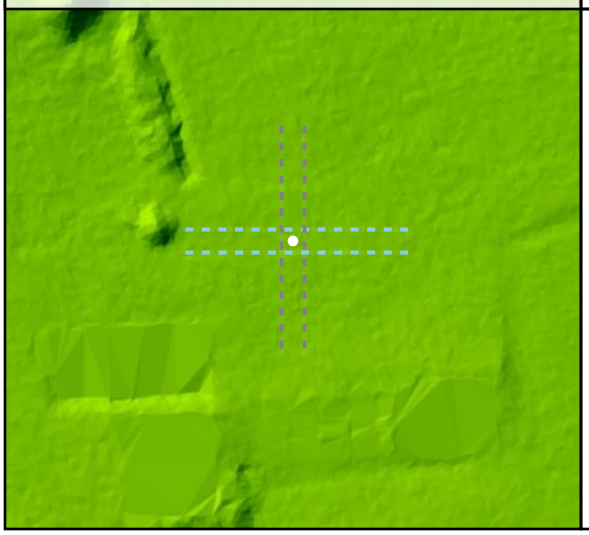
West to East



Intensity Raster



TIN Surface

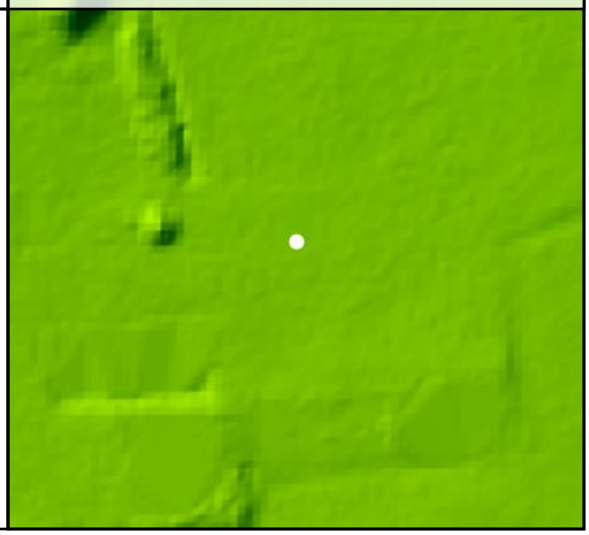


Project Elevation

530.34

71.2

DEM Surface



DEM Dz +0.05 m

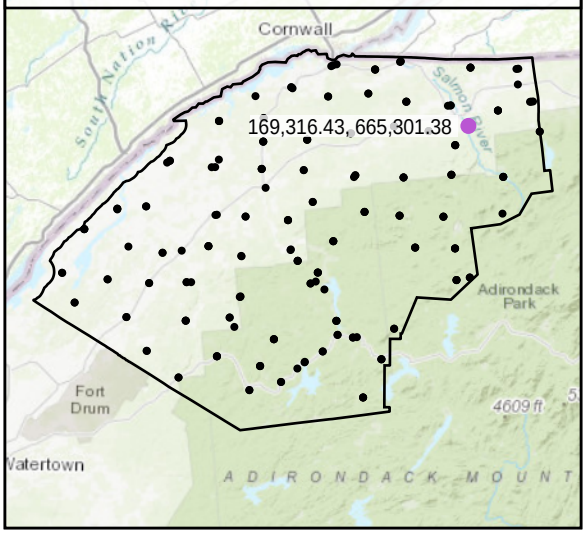
CAL - CA91

Raw TIN Dz +0.07 m

CA92

Known Z	304.33 m	Point Density	2.37 ppsm
DEM Dz	-0.06 m	Ground Density	2.37 ppsm
Raw TIN Dz	-0.06 m	Slope	2.58 °

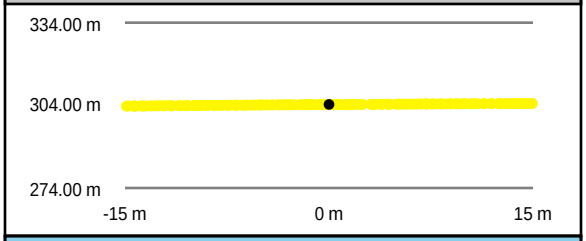
Project Context



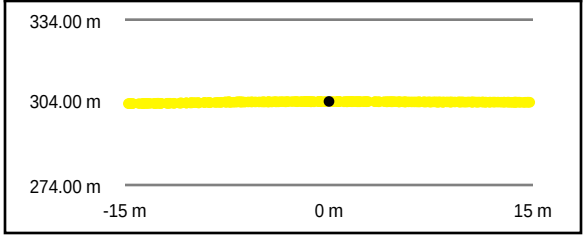
World Imagery



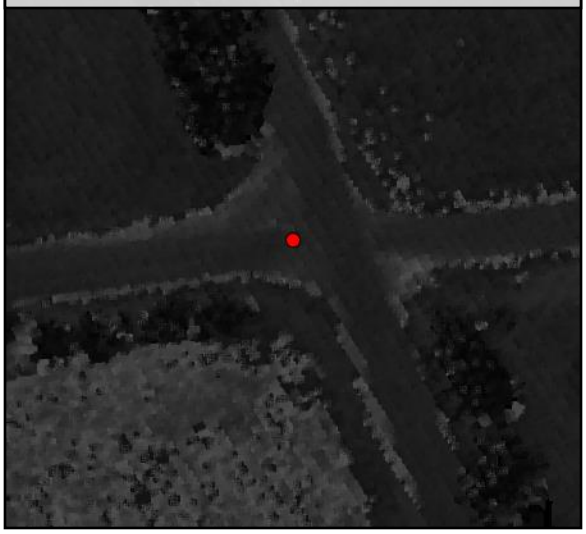
West to East



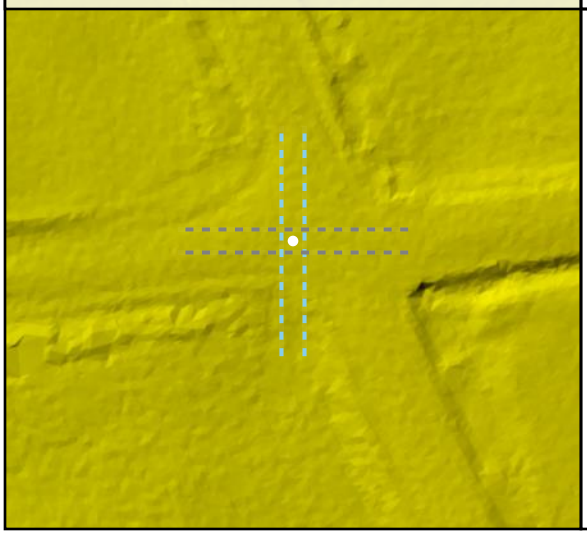
South to North



Intensity Raster



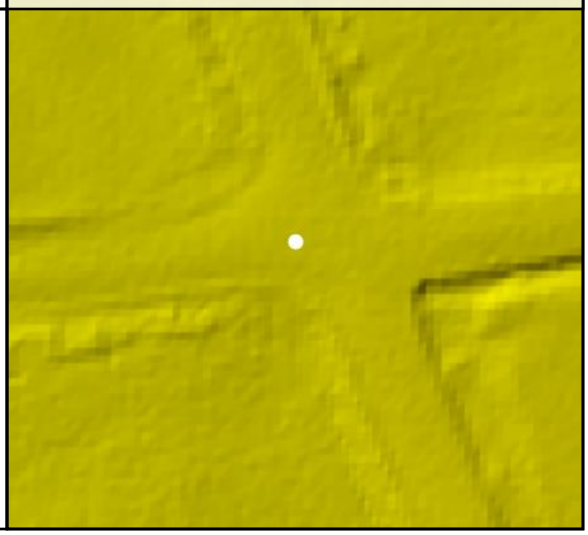
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.06 m

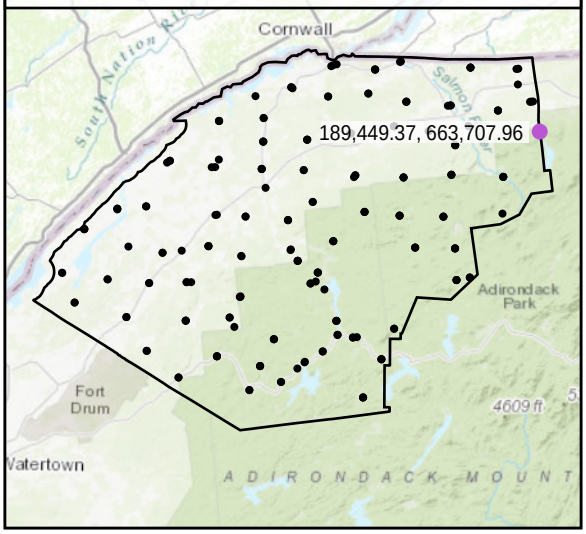
CAL - CA92

Raw TIN Dz -0.06 m

CA93

Known Z	406.39 m	Point Density	2.09 ppsm
DEM Dz	0.12 m	Ground Density	2.09 ppsm
Raw TIN Dz	0.13 m	Slope	2.91 °

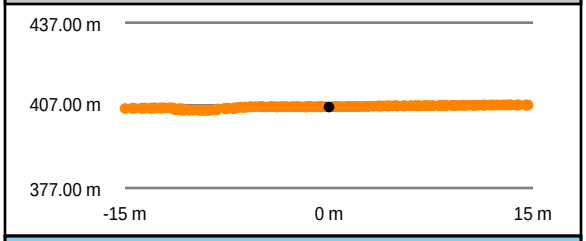
Project Context



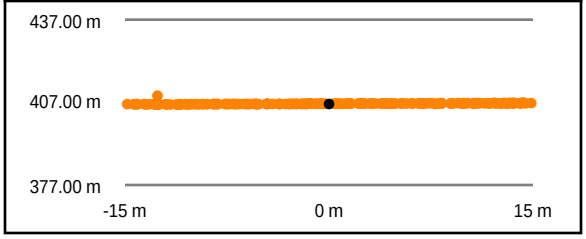
World Imagery



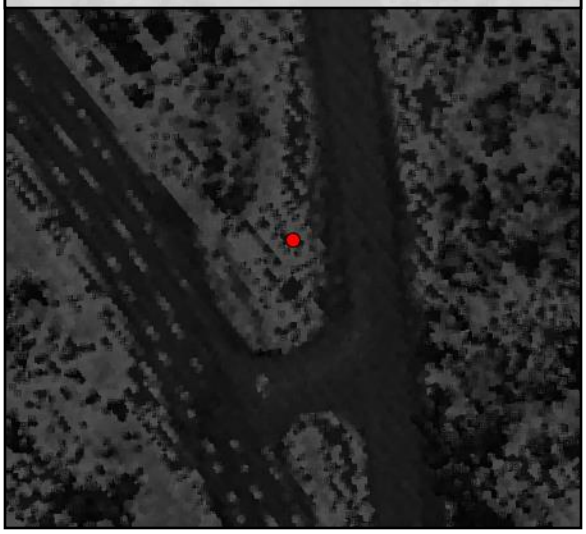
West to East



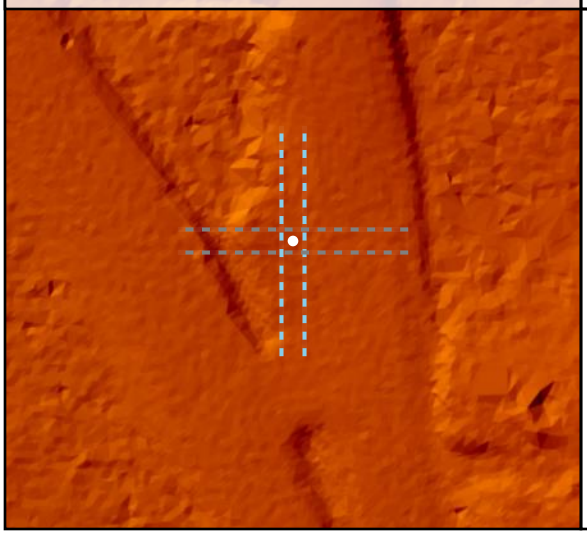
South to North



Intensity Raster



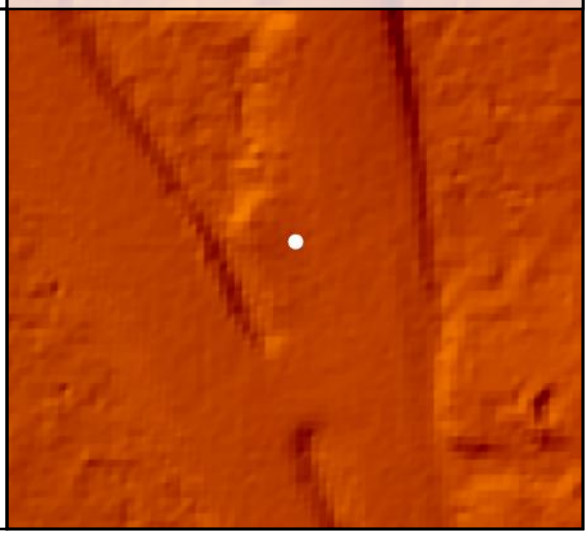
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.12 m

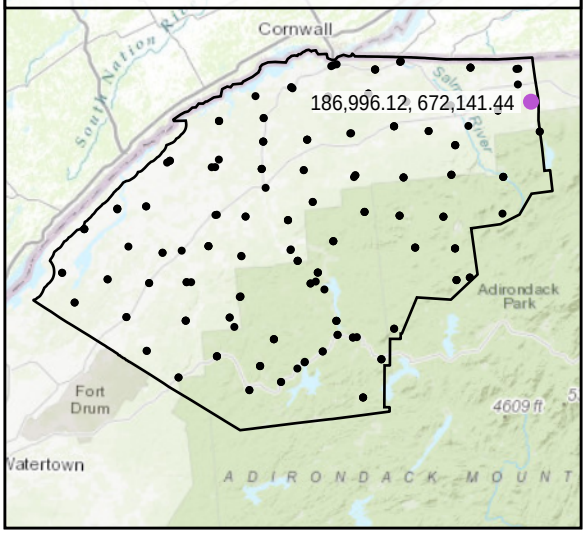
CAL - CA93

Raw TIN Dz +0.13 m

CA94

Known Z	406.14 m	Point Density	2.86 ppsm
DEM Dz	0.10 m	Ground Density	2.86 ppsm
Raw TIN Dz	0.09 m	Slope	2.20 °

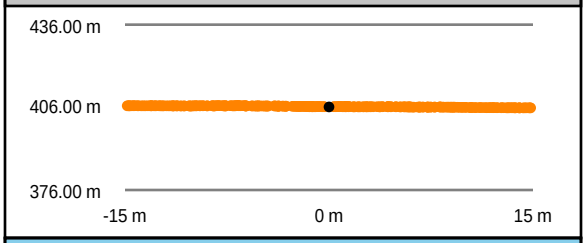
Project Context



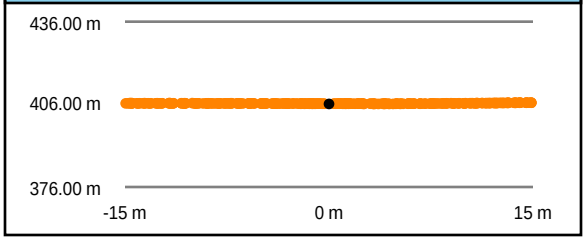
World Imagery



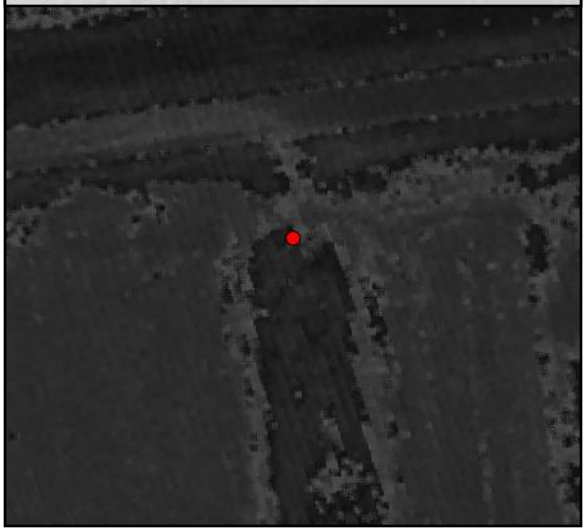
West to East



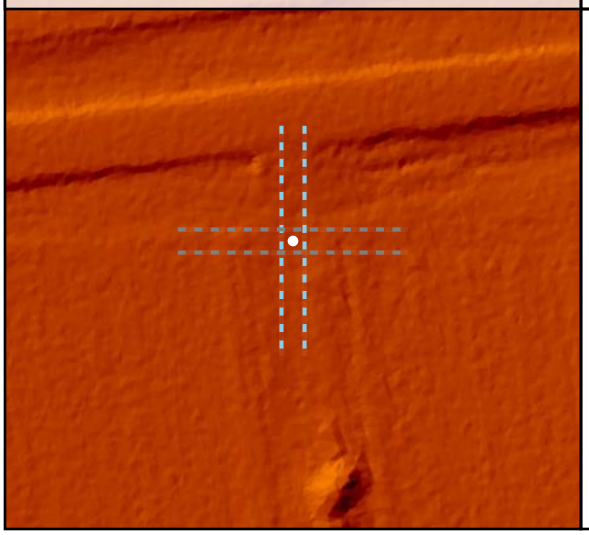
South to North



Intensity Raster



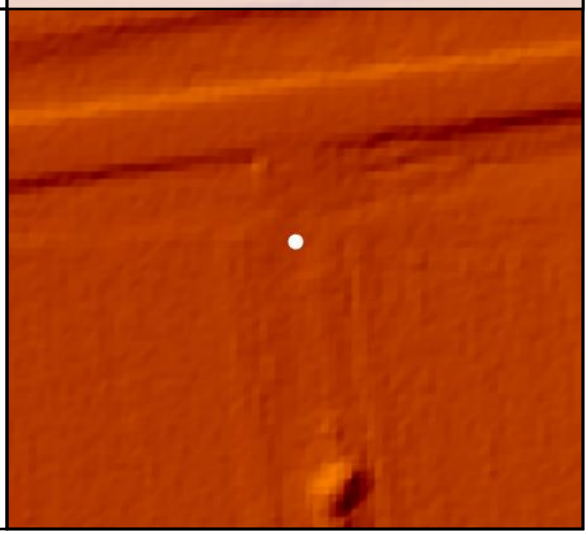
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.10 m

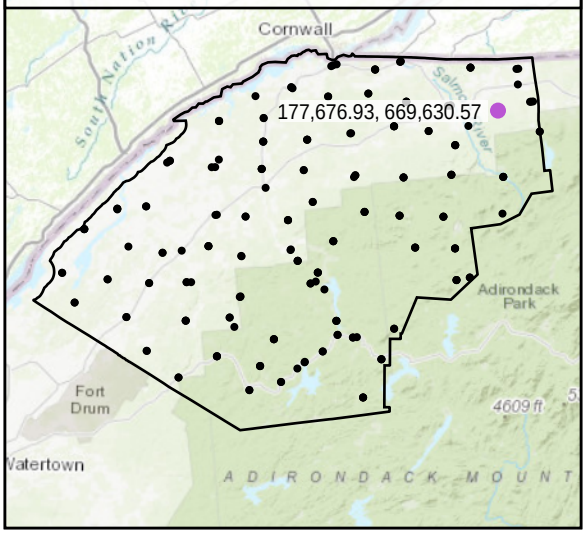
CAL - CA94

Raw TIN Dz +0.09 m

CA95

Known Z	363.20 m	Point Density	2.51 ppsm
DEM Dz	-0.04 m	Ground Density	2.51 ppsm
Raw TIN Dz	-0.04 m	Slope	0.67 °

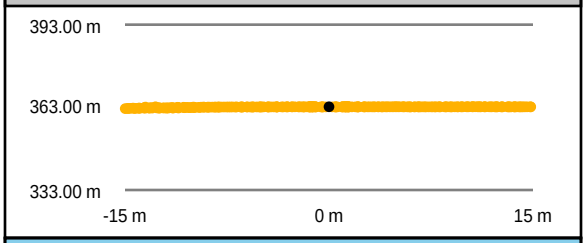
Project Context



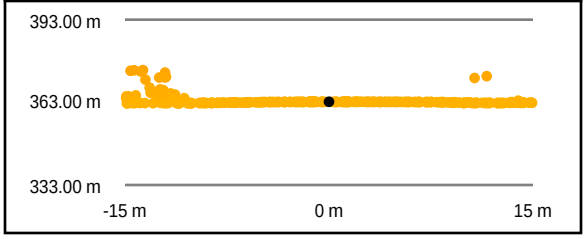
World Imagery



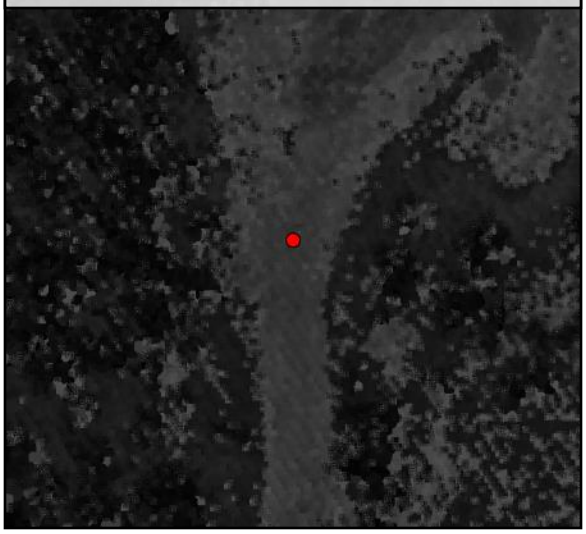
Southwest to Northeast



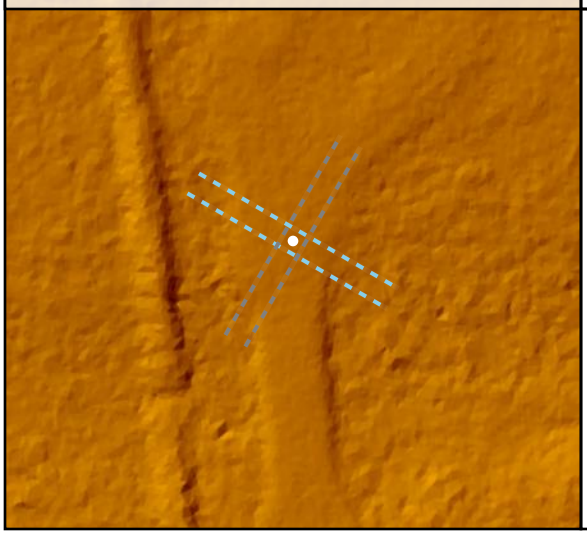
Southeast to Northwest



Intensity Raster



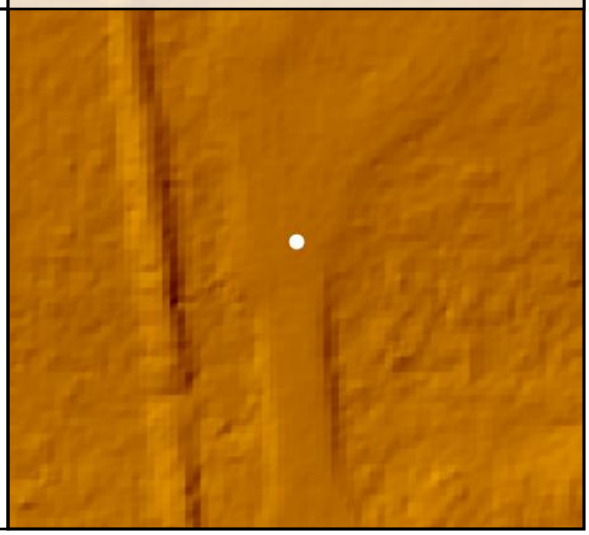
TIN Surface



Project Elevation



DEM Surface



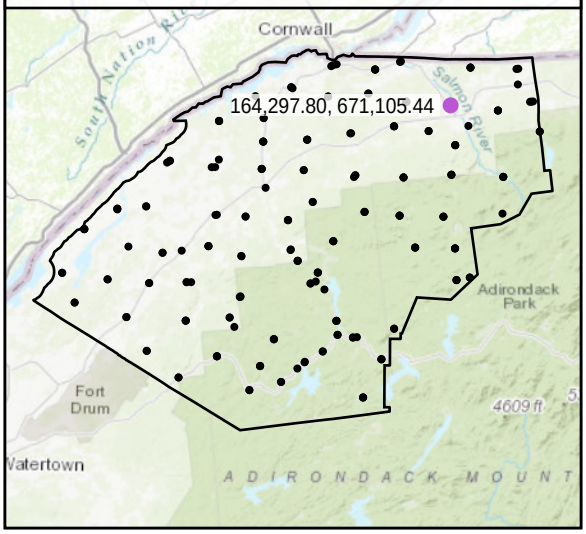
DEM Dz -0.04 m

CAL - CA95

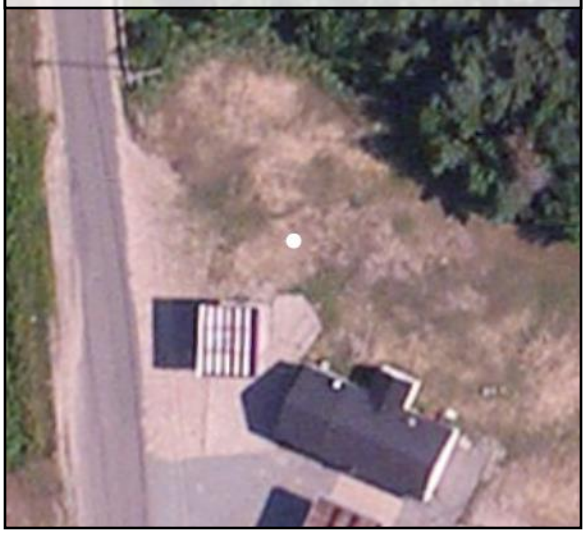
Raw TIN Dz -0.04 m

CA96				
	Known Z	195.44 m	Point Density	3.29 ppsm
	DEM Dz	0.04 m	Ground Density	3.29 ppsm
	Raw TIN Dz	0.03 m	Slope	1.91 °

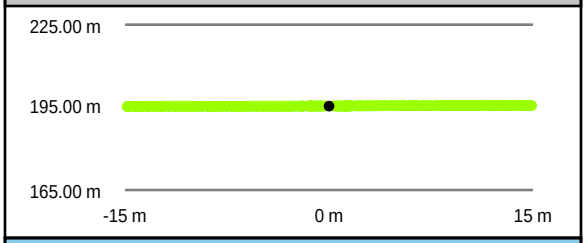
Project Context



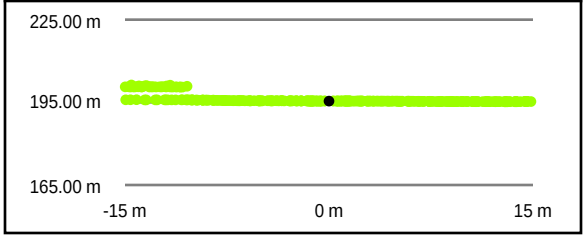
World Imagery



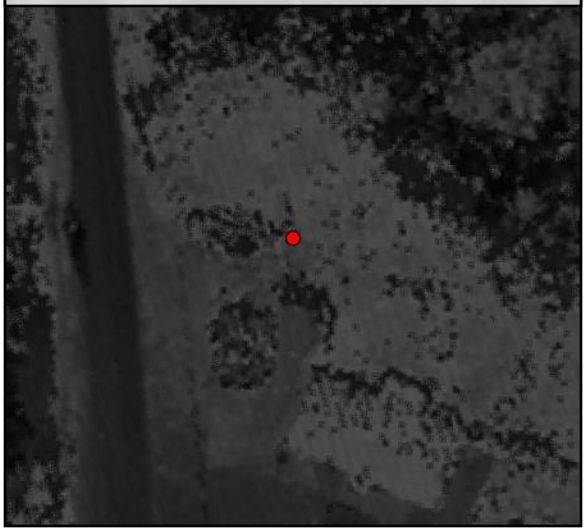
Southeast to Northwest



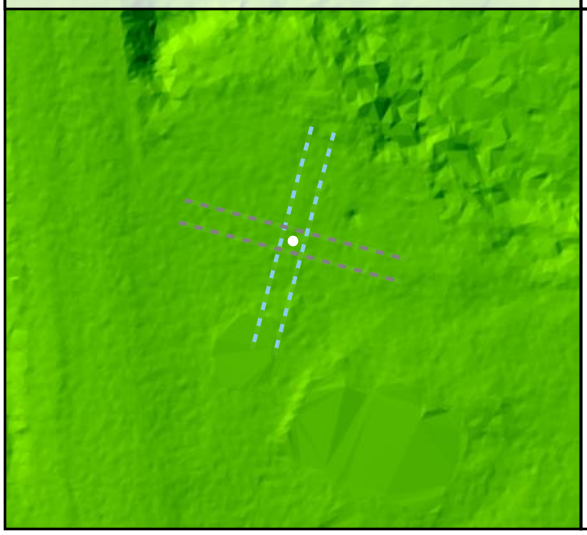
Southwest to Northeast



Intensity Raster



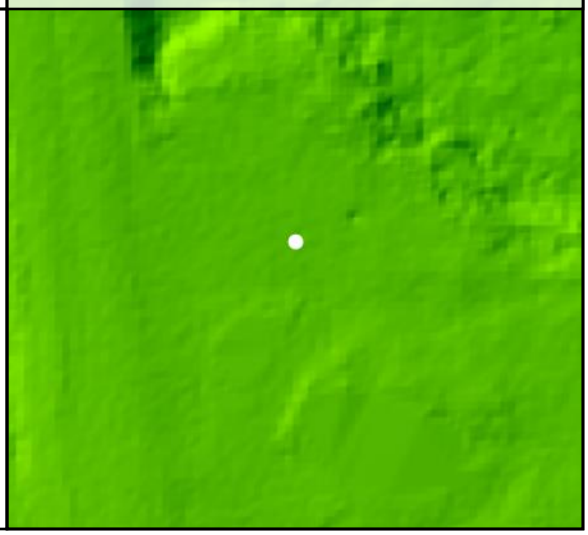
TIN Surface



Project Elevation



DEM Surface



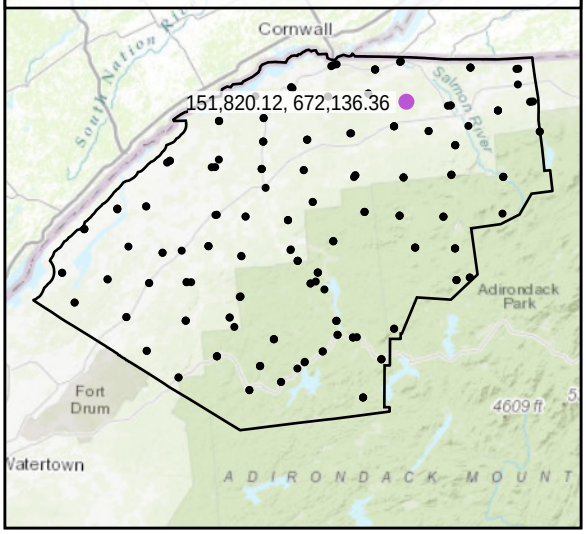
DEM Dz +0.04 m

CAL - CA96

Raw TIN Dz +0.03 m

CA97				
	Known Z	91.79 m	Point Density	3.36 ppsm
	DEM Dz	0.01 m	Ground Density	3.32 ppsm
	Raw TIN Dz	0.00 m	Slope	0.41 °

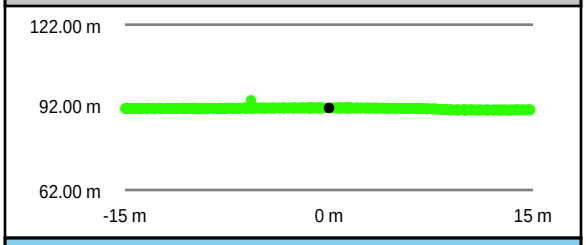
Project Context



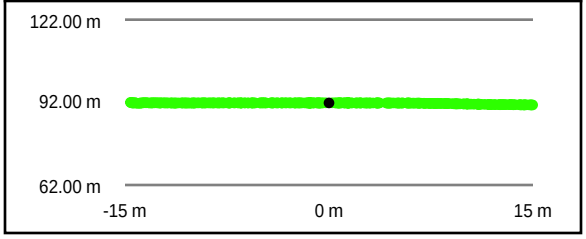
World Imagery



Southeast to Northwest



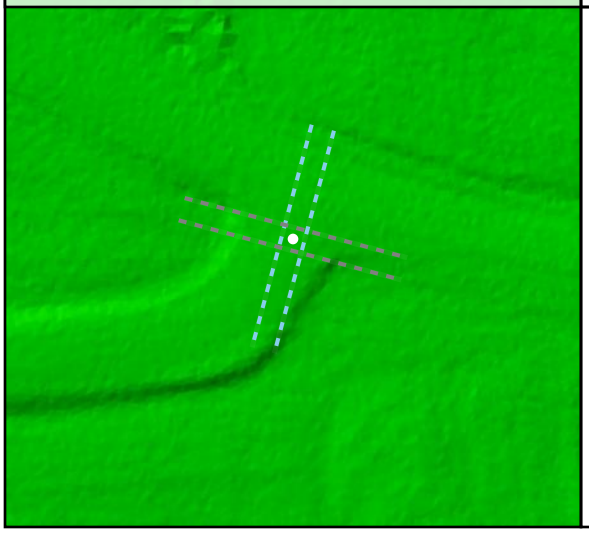
Southwest to Northeast



Intensity Raster



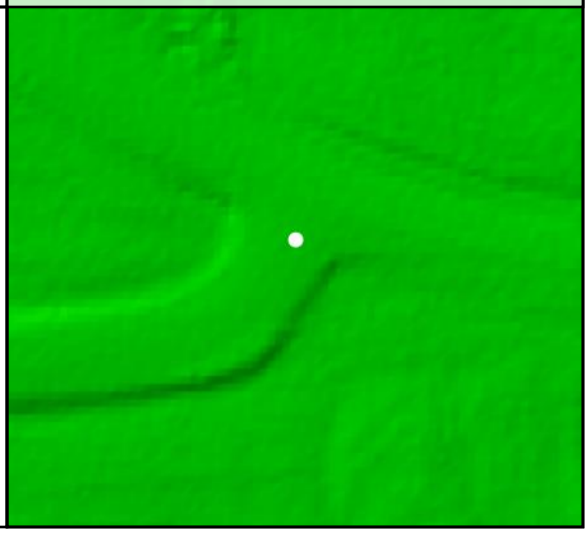
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.01 m

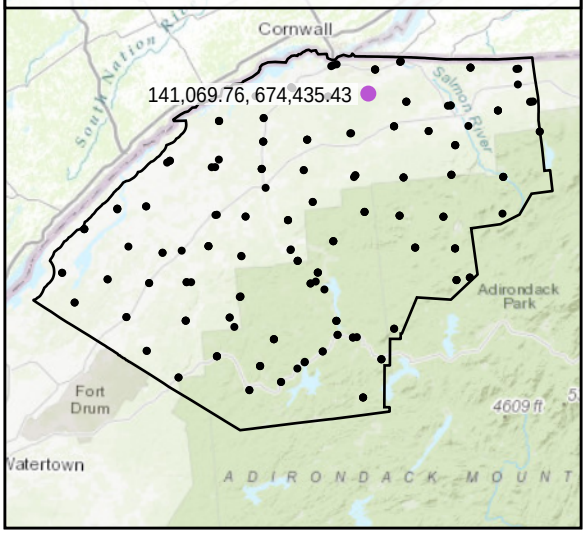
CAL - CA97

Raw TIN Dz +0.00 m

CA98

Known Z	65.75 m	Point Density	2.69 ppsm
DEM Dz	0.06 m	Ground Density	2.65 ppsm
Raw TIN Dz	0.07 m	Slope	1.11 °

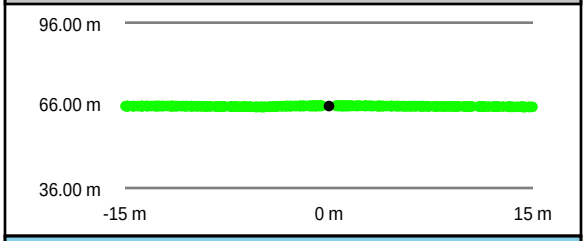
Project Context



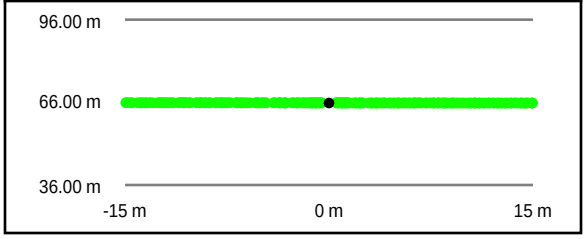
World Imagery



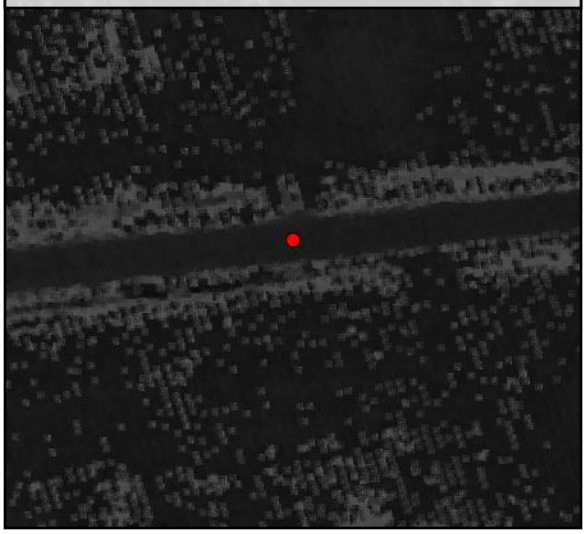
South to North



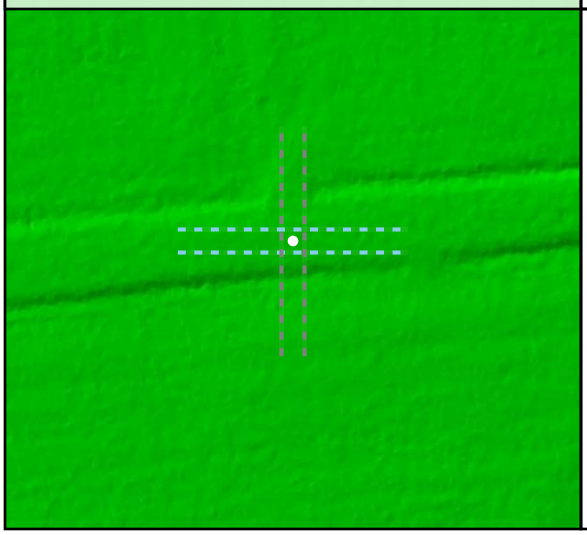
West to East



Intensity Raster



TIN Surface

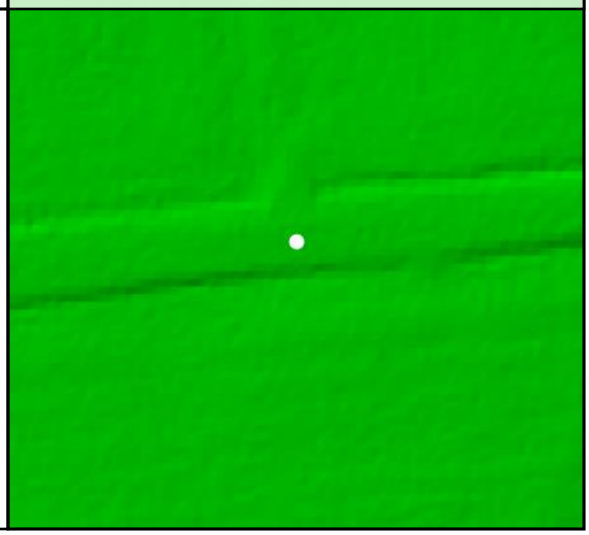


Project Elevation

530.34

48.98

DEM Surface



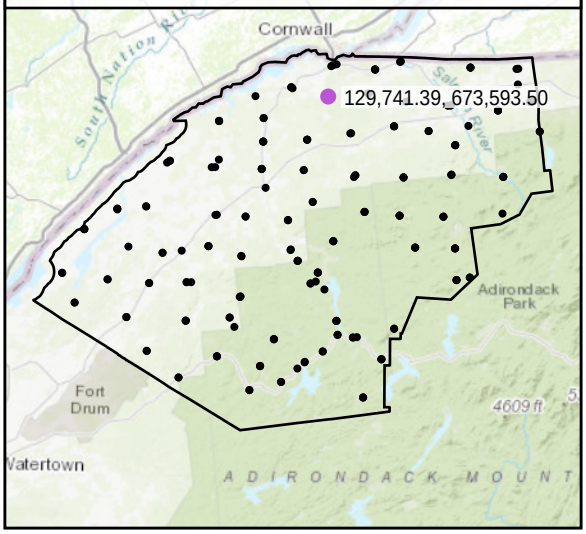
DEM Dz +0.06 m

CAL - CA98

Raw TIN Dz +0.07 m

CA99				
	Known Z	65.57 m	Point Density	2.41 ppsm
	DEM Dz	-0.08 m	Ground Density	2.33 ppsm
	Raw TIN Dz	-0.08 m	Slope	2.42 °

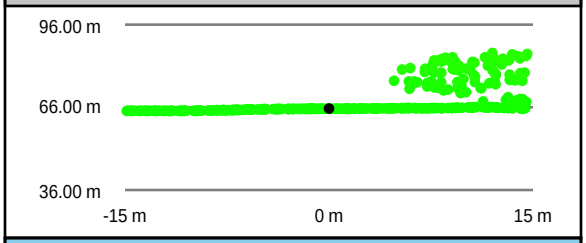
Project Context



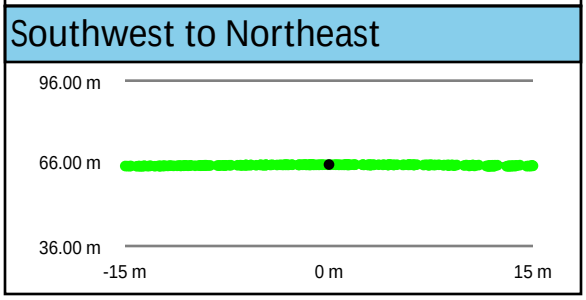
World Imagery



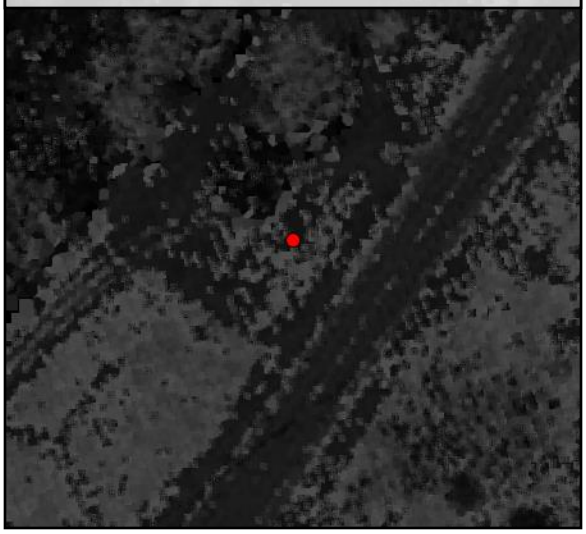
Southeast to Northwest



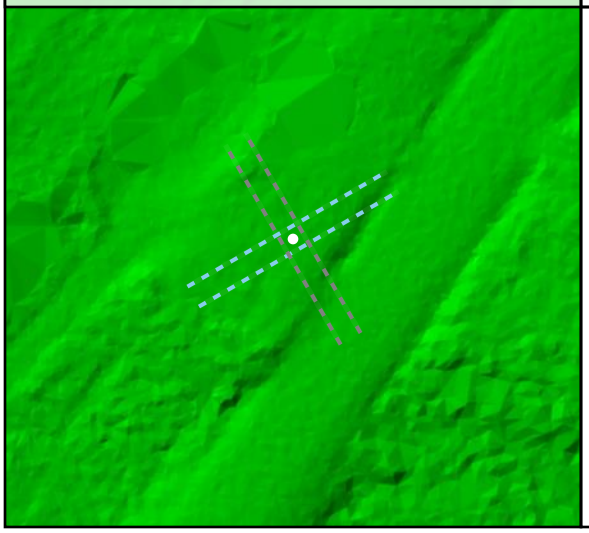
Southwest to Northeast



Intensity Raster



TIN Surface

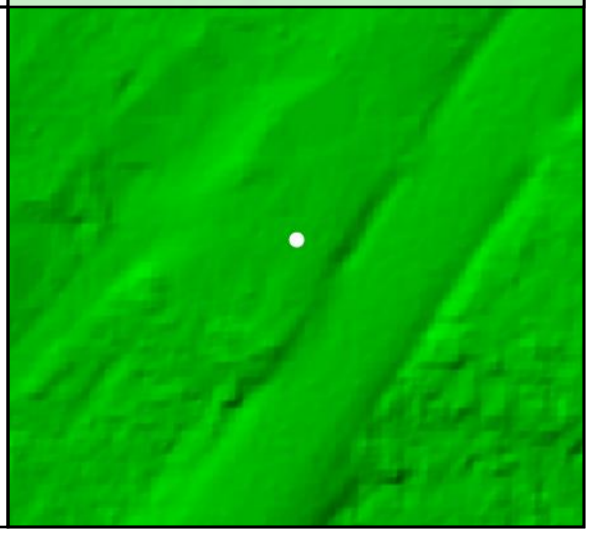


Project Elevation

530.34

48.98

DEM Surface



DEM Dz -0.08 m

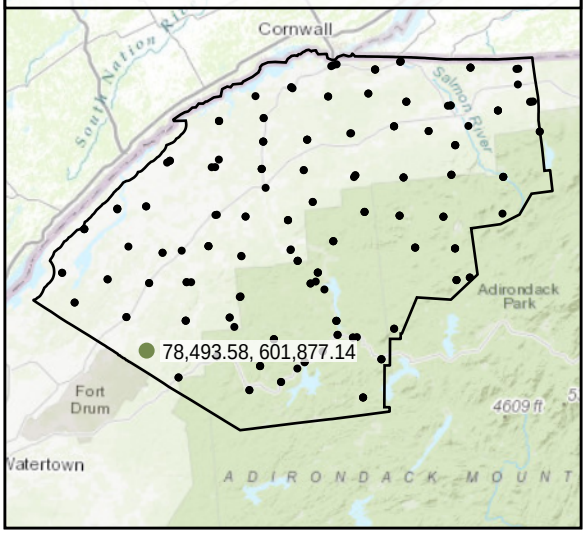
CAL - CA99

Raw TIN Dz -0.08 m

FO23

Known Z	211.52 m	Point Density	6.01 ppsm
DEM Dz	-0.57 m	Ground Density	4.31 ppsm
Raw TIN Dz	N/A	Slope	3.05 °

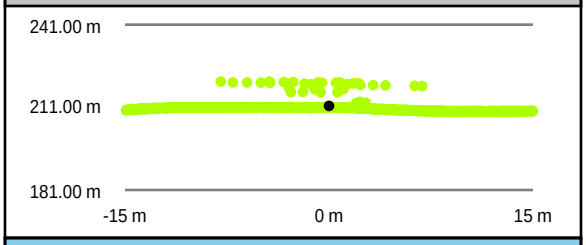
Project Context



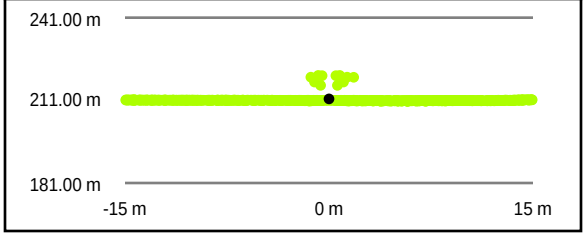
World Imagery



Southeast to Northwest



Southwest to Northeast



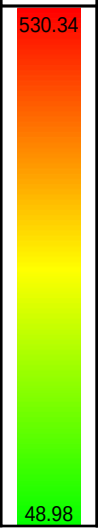
Intensity Raster



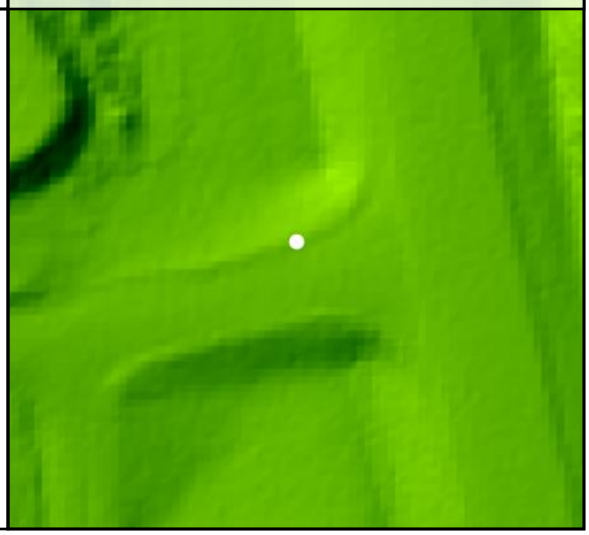
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.57 m

VVA - FO23