FOCUS on Accuracy

PA South Central
LiDAR Accuracy Assessment

Powered by Quantum Spatial

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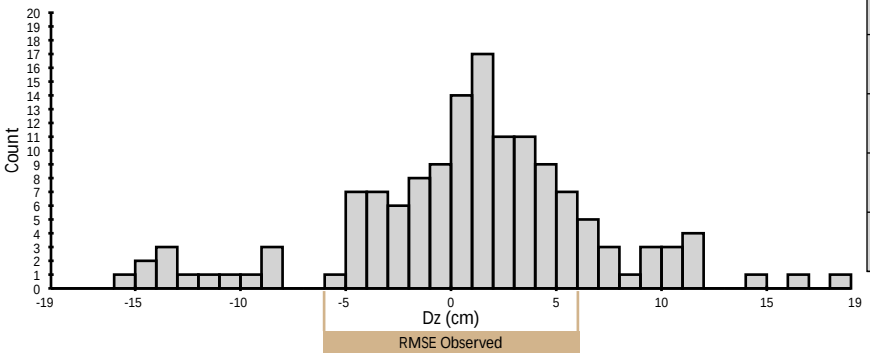
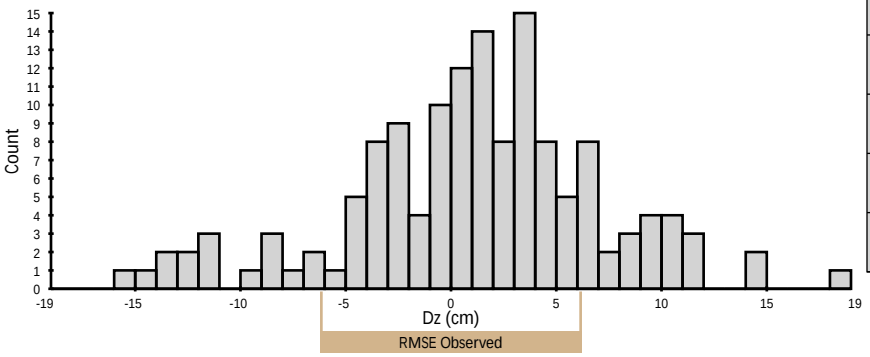
Project Summary

Nonvegetated Vertical Accuracy (Point Cloud)



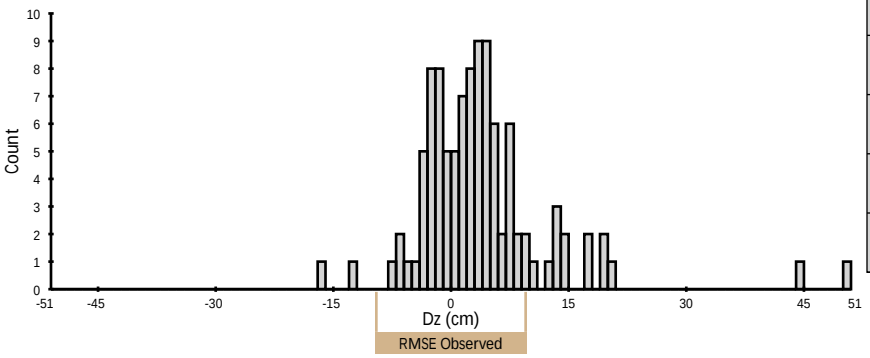
	Observed	Required
RMSE	6.09 cm	10.00 cm
95% Confidence Level	11.94 cm	19.60 cm
Mean	1.05 cm	N/A
Count	142	N/A

Nonvegetated Vertical Accuracy (DEM)



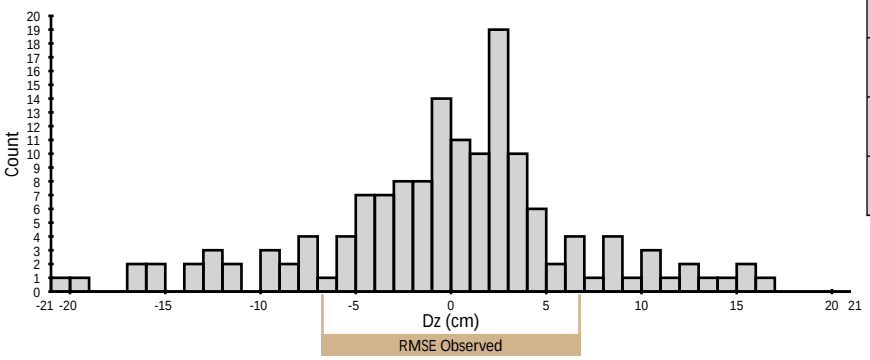
	Observed	Required
RMSE	6.22 cm	N/A
95% Confidence Level	12.19 cm	19.60 cm
Mean	1.07 cm	N/A
Count	142	N/A

Vegetated Vertical Accuracy (DEM)



	Observed	Required
RMSE	9.69 cm	N/A
95th Percentile	17.67 cm	29.40 cm
Mean	3.92 cm	N/A
Count	103	N/A

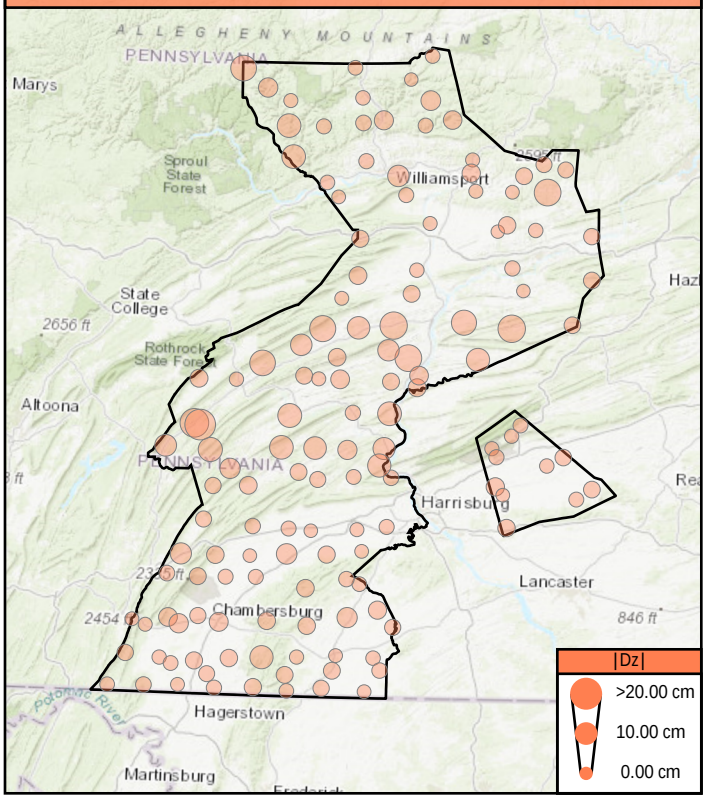
Calibration (Point Cloud)



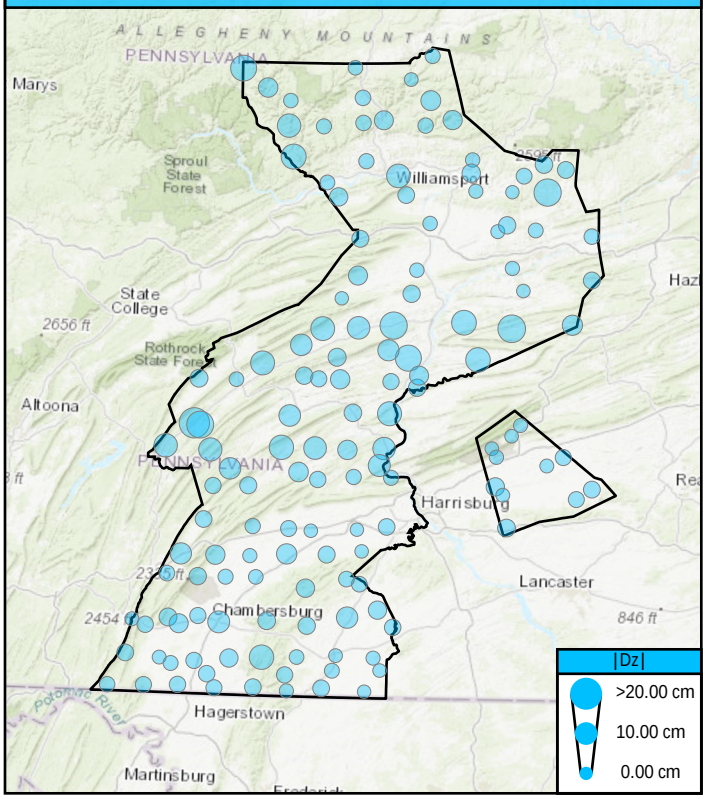
	Observed	Required
RMSE	6.82 cm	N/A
Mean	-0.18 cm	N/A
Count	150	N/A

Control Point Locations

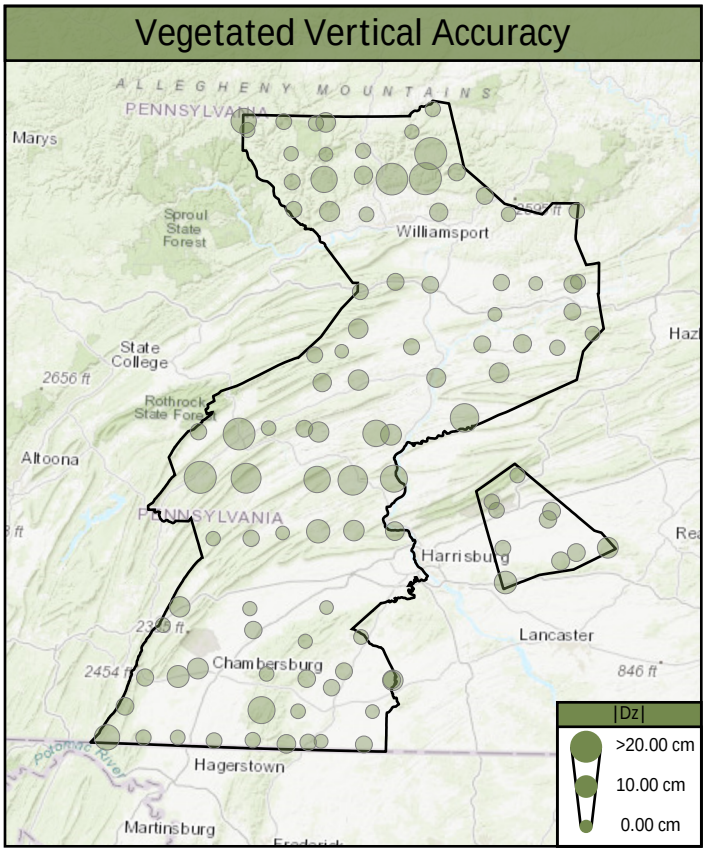
Nonvegetated Vertical Accuracy Point Cloud



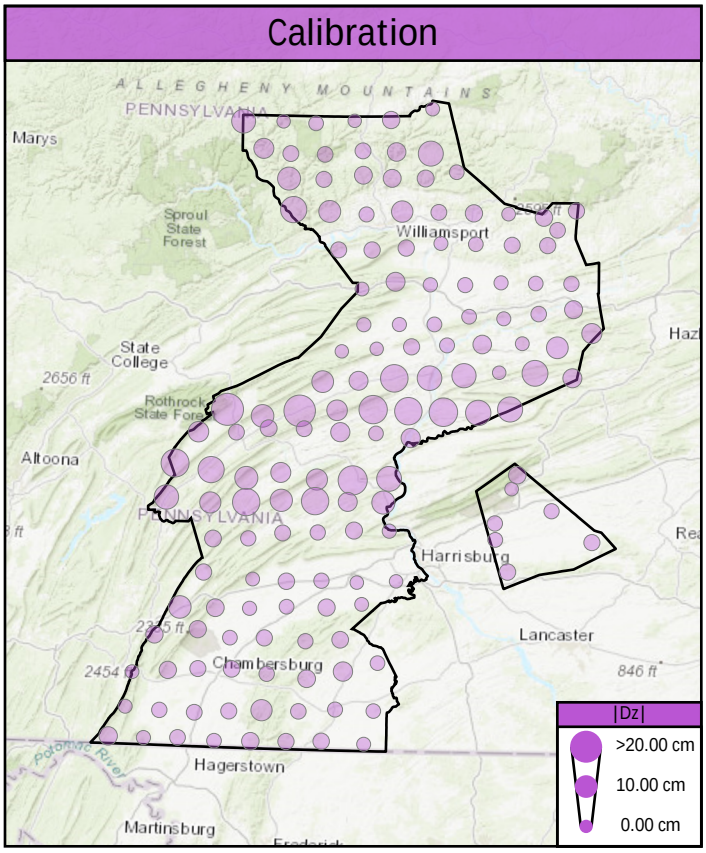
Nonvegetated Vertical Accuracy DEM



Vegetated Vertical Accuracy



Calibration



Control Point Breakdown

Point	Type	All Points TIN Dz	DEM Dz	Ground Density	Nearest Ground	Slope
BE01	NVA	-13.28 cm	-13.48 cm	4.21 ppsm	0.29 m	1.52°
BE02	NVA	1.49 cm	1.30 cm	5.09 ppsm	0.23 m	1.19°
BE03	NVA	-1.44 cm	-1.86 cm	4.95 ppsm	0.20 m	0.70°
BE04	NVA	-0.80 cm	-1.29 cm	2.30 ppsm	0.35 m	2.35°
BE05	NVA	-1.30 cm	-2.41 cm	2.37 ppsm	0.24 m	6.25°
BE06	NVA	6.85 cm	7.02 cm	2.62 ppsm	0.14 m	2.76°
BE07	NVA	1.89 cm	1.94 cm	3.32 ppsm	0.14 m	0.91°
BE08	NVA	2.59 cm	2.35 cm	3.15 ppsm	0.08 m	3.92°
BE09	NVA	-1.74 cm	-2.24 cm	2.69 ppsm	0.38 m	3.23°
BE10	NVA	-11.09 cm	-12.46 cm	3.50 ppsm	0.33 m	5.85°
BE11	NVA	-2.00 cm	-2.02 cm	3.40 ppsm	0.28 m	3.66°
BE12	NVA	0.82 cm	1.10 cm	3.40 ppsm	0.03 m	2.14°
BE13	NVA	2.88 cm	4.53 cm	3.47 ppsm	0.20 m	3.38°
BE14	NVA	0.44 cm	-5.37 cm	2.65 ppsm	0.59 m	2.75°
BE15	NVA	1.85 cm	3.64 cm	2.33 ppsm	0.19 m	2.80°
BE16	NVA	-0.75 cm	-0.88 cm	2.41 ppsm	0.25 m	3.57°
BE17	NVA	0.52 cm	0.04 cm	2.16 ppsm	0.26 m	3.27°
BE18	NVA	14.32 cm	14.90 cm	3.50 ppsm	0.22 m	4.44°
BE19	NVA	-4.07 cm	-3.86 cm	4.03 ppsm	0.11 m	4.08°
BE20	NVA	-0.07 cm	0.67 cm	2.48 ppsm	0.10 m	0.57°
BE21	NVA	1.23 cm	1.61 cm	4.24 ppsm	0.36 m	9.44°
BE22	NVA	0.61 cm	-0.09 cm	3.29 ppsm	0.24 m	1.92°
BE23	NVA	-3.80 cm	-4.23 cm	4.28 ppsm	0.22 m	2.02°
BE24	NVA	0.21 cm	0.25 cm	3.57 ppsm	0.27 m	1.41°
BE25	NVA	-3.70 cm	-3.88 cm	2.65 ppsm	0.08 m	5.74°
BE26	NVA	-13.62 cm	-11.19 cm	2.48 ppsm	0.37 m	6.78°

Control Point Breakdown (Continued)

Point	Type	All Points TIN Dz	DEM Dz	Ground Density	Nearest Ground	Slope
BE27	NVA	-9.79 cm	-9.87 cm	2.26 ppsm	0.24 m	5.74°
BE28	NVA	-14.97 cm	-14.84 cm	2.58 ppsm	0.16 m	0.92°
BE29	NVA	-12.57 cm	-12.20 cm	2.41 ppsm	0.28 m	7.73°
BE30	NVA	-3.56 cm	-7.33 cm	2.76 ppsm	0.17 m	1.04°
BE31	NVA	-13.14 cm	-11.33 cm	2.48 ppsm	0.22 m	2.78°
BE32	NVA	-4.66 cm	-4.98 cm	3.04 ppsm	0.33 m	4.56°
BE33	NVA	-14.35 cm	-13.62 cm	2.37 ppsm	0.27 m	1.11°
BE34	NVA	-10.55 cm	-11.97 cm	2.33 ppsm	0.03 m	5.05°
BE35	NVA	-4.89 cm	-4.83 cm	2.58 ppsm	0.39 m	3.83°
BE36	NVA	3.88 cm	4.30 cm	2.30 ppsm	0.18 m	1.28°
BE37	NVA	5.83 cm	6.41 cm	2.37 ppsm	0.45 m	8.47°
BE38	NVA	3.88 cm	3.13 cm	2.58 ppsm	0.43 m	2.49°
BE39	NVA	4.94 cm	4.24 cm	3.04 ppsm	0.18 m	3.85°
BE40	NVA	9.04 cm	10.76 cm	2.44 ppsm	0.35 m	6.84°
BE41	NVA	11.58 cm	10.60 cm	2.76 ppsm	0.08 m	3.12°
BE42	NVA	11.00 cm	11.79 cm	2.48 ppsm	0.28 m	7.10°
BE43	NVA	9.90 cm	9.92 cm	2.26 ppsm	0.18 m	5.15°
BE44	NVA	6.30 cm	6.48 cm	2.51 ppsm	0.25 m	4.64°
BE45	NVA	9.32 cm	9.65 cm	2.37 ppsm	0.16 m	7.53°
BE46	NVA	3.21 cm	3.18 cm	2.86 ppsm	0.02 m	2.36°
BE47	NVA	4.73 cm	3.99 cm	2.69 ppsm	0.09 m	4.77°
BE48	NVA	2.94 cm	3.27 cm	2.94 ppsm	0.17 m	1.35°
BE49	NVA	1.69 cm	2.12 cm	2.90 ppsm	0.16 m	1.96°
BE50	NVA	2.39 cm	1.95 cm	2.69 ppsm	0.23 m	1.43°
BE51	NVA	-2.30 cm	-2.14 cm	2.79 ppsm	0.27 m	2.32°
BE52	NVA	-0.72 cm	-0.08 cm	2.86 ppsm	0.25 m	0.92°

Control Point Breakdown (Continued)

Point	Type	All Points TIN Dz	DEM Dz	Ground Density	Nearest Ground	Slope
BE53	NVA	-8.39 cm	-8.45 cm	2.69 ppsm	0.13 m	4.72°
BE54	NVA	-4.47 cm	-6.36 cm	2.83 ppsm	0.19 m	6.98°
BE55	NVA	-0.31 cm	-0.93 cm	2.90 ppsm	0.19 m	4.77°
BE56	NVA	7.71 cm	7.44 cm	2.83 ppsm	0.33 m	4.16°
BE57	NVA	-4.14 cm	-3.92 cm	2.69 ppsm	0.23 m	3.90°
BE58	NVA	0.47 cm	-0.21 cm	2.72 ppsm	0.29 m	1.83°
BE59	NVA	-3.95 cm	-4.33 cm	2.65 ppsm	0.05 m	1.99°
BE60	NVA	4.57 cm	5.44 cm	3.18 ppsm	0.22 m	6.40°
BE61	NVA	-1.48 cm	-2.53 cm	2.69 ppsm	0.30 m	1.17°
BE62	NVA	0.57 cm	0.61 cm	4.14 ppsm	0.21 m	3.63°
BE63	NVA	5.79 cm	4.85 cm	2.97 ppsm	0.31 m	3.87°
BE64	NVA	3.06 cm	3.02 cm	2.90 ppsm	0.19 m	1.71°
BE65	NVA	-4.58 cm	-4.65 cm	3.11 ppsm	0.42 m	0.66°
BE66	NVA	5.14 cm	5.26 cm	2.41 ppsm	0.16 m	0.85°
BE67	NVA	1.06 cm	-0.56 cm	2.90 ppsm	0.17 m	1.57°
BE68	NVA	4.08 cm	3.04 cm	2.79 ppsm	0.10 m	0.72°
BE69	NVA	4.41 cm	5.36 cm	3.47 ppsm	0.29 m	2.98°
BE70	NVA	10.56 cm	11.86 cm	3.36 ppsm	0.16 m	1.84°
BE71	NVA	-0.97 cm	1.42 cm	3.11 ppsm	0.40 m	2.65°
BE72	NVA	-0.58 cm	-0.47 cm	3.50 ppsm	0.08 m	1.23°
BE73	NVA	1.26 cm	0.81 cm	2.16 ppsm	0.35 m	1.19°
BE74	NVA	1.47 cm	2.25 cm	2.90 ppsm	0.26 m	2.68°
BE75	NVA	2.54 cm	3.00 cm	2.86 ppsm	0.19 m	5.67°
BE76	NVA	-0.62 cm	-3.28 cm	2.94 ppsm	0.31 m	0.70°
BE77	NVA	-2.11 cm	-2.91 cm	3.15 ppsm	0.30 m	3.35°
BE78	NVA	-4.22 cm	-3.52 cm	3.50 ppsm	0.15 m	6.58°

Control Point Breakdown (Continued)

Point	Type	All Points TIN Dz	DEM Dz	Ground Density	Nearest Ground	Slope
BE79	NVA	-1.39 cm	-0.86 cm	2.76 ppsm	0.30 m	0.99°
BE80	NVA	-3.21 cm	-3.67 cm	2.69 ppsm	0.18 m	1.92°
BE81	NVA	-0.49 cm	-0.08 cm	2.90 ppsm	0.32 m	2.12°
BE82	NVA	0.91 cm	0.34 cm	2.76 ppsm	0.20 m	2.44°
BE83	NVA	-1.09 cm	0.31 cm	2.76 ppsm	0.19 m	1.48°
BE84	NVA	5.37 cm	5.36 cm	3.08 ppsm	0.26 m	4.00°
BE85	NVA	1.21 cm	0.59 cm	2.86 ppsm	0.29 m	0.44°
BE86	NVA	4.37 cm	4.75 cm	3.43 ppsm	0.22 m	4.71°
BE87	NVA	1.71 cm	2.85 cm	2.83 ppsm	0.35 m	3.13°
UA01	NVA	6.43 cm	6.54 cm	2.41 ppsm	0.15 m	1.09°
UA02	NVA	0.15 cm	-0.42 cm	3.01 ppsm	0.44 m	3.71°
UA03	NVA	11.03 cm	10.78 cm	2.83 ppsm	0.22 m	1.66°
UA04	NVA	6.17 cm	6.04 cm	2.33 ppsm	0.35 m	1.92°
UA05	NVA	5.61 cm	6.28 cm	2.76 ppsm	0.28 m	1.23°
UA06	NVA	1.40 cm	1.52 cm	3.29 ppsm	0.04 m	1.29°
UA07	NVA	8.72 cm	10.96 cm	2.76 ppsm	0.24 m	1.21°
UA08	NVA	5.31 cm	5.39 cm	3.32 ppsm	0.23 m	1.73°
UA09	NVA	3.78 cm	2.71 cm	2.02 ppsm	0.21 m	3.67°
UA10	NVA	2.85 cm	3.77 cm	5.52 ppsm	0.25 m	2.93°
UA11	NVA	0.80 cm	1.27 cm	2.26 ppsm	0.30 m	1.21°
UA12	NVA	4.39 cm	4.32 cm	2.33 ppsm	0.19 m	2.40°
UA13	NVA	3.27 cm	2.35 cm	2.26 ppsm	0.69 m	3.24°
UA14	NVA	4.80 cm	6.11 cm	4.03 ppsm	0.14 m	3.89°
UA15	NVA	1.19 cm	1.21 cm	3.47 ppsm	0.17 m	0.90°
UA16	NVA	2.15 cm	1.03 cm	3.78 ppsm	0.02 m	0.52°
UA17	NVA	-8.69 cm	-8.71 cm	2.58 ppsm	0.32 m	4.31°

Control Point Breakdown (Continued)

Point	Type	All Points TIN Dz	DEM Dz	Ground Density	Nearest Ground	Slope
UA18	NVA	-8.61 cm	-8.43 cm	2.44 ppsm	0.24 m	2.94°
UA19	NVA	-15.08 cm	-15.31 cm	2.76 ppsm	0.09 m	1.77°
UA20	NVA	1.05 cm	1.35 cm	2.30 ppsm	0.11 m	4.01°
UA21	NVA	0.74 cm	3.02 cm	2.58 ppsm	0.30 m	0.36°
UA22	NVA	-5.74 cm	-6.01 cm	2.51 ppsm	0.27 m	3.23°
UA23	NVA	16.38 cm	18.13 cm	2.55 ppsm	0.43 m	0.60°
UA24	NVA	18.58 cm	14.54 cm	2.55 ppsm	0.51 m	4.13°
UA25	NVA	11.32 cm	8.86 cm	2.33 ppsm	0.44 m	2.88°
UA26	NVA	2.14 cm	4.54 cm	2.55 ppsm	0.23 m	3.21°
UA27	NVA	11.18 cm	11.46 cm	2.33 ppsm	0.04 m	2.01°
UA28	NVA	7.44 cm	8.65 cm	2.44 ppsm	0.34 m	0.97°
UA29	NVA	3.79 cm	6.63 cm	2.62 ppsm	0.16 m	1.89°
UA30	NVA	10.61 cm	9.30 cm	2.72 ppsm	0.21 m	2.78°
UA31	NVA	-2.98 cm	-3.63 cm	2.83 ppsm	0.29 m	0.42°
UA32	NVA	-1.80 cm	-2.91 cm	2.65 ppsm	0.36 m	2.13°
UA33	NVA	0.23 cm	0.20 cm	2.90 ppsm	0.24 m	1.16°
UA34	NVA	1.87 cm	3.56 cm	2.69 ppsm	0.14 m	2.13°
UA35	NVA	-2.52 cm	-2.53 cm	2.97 ppsm	0.30 m	3.72°
UA36	NVA	-1.82 cm	-1.84 cm	2.86 ppsm	0.20 m	6.29°
UA37	NVA	1.83 cm	1.41 cm	2.44 ppsm	0.25 m	1.89°
UA38	NVA	-2.29 cm	-2.50 cm	2.90 ppsm	0.34 m	3.49°
UA39	NVA	0.70 cm	3.26 cm	2.79 ppsm	0.09 m	1.80°
UA40	NVA	6.37 cm	6.03 cm	2.79 ppsm	0.19 m	1.37°
UA41	NVA	5.99 cm	9.17 cm	2.83 ppsm	0.43 m	8.47°
UA42	NVA	4.45 cm	4.30 cm	2.44 ppsm	0.31 m	4.40°
UA43	NVA	7.35 cm	8.55 cm	2.76 ppsm	0.27 m	2.57°

Control Point Breakdown (Continued)

Point	Type	All Points TIN Dz	DEM Dz	Ground Density	Nearest Ground	Slope
UA44	NVA	3.10 cm	3.42 cm	2.90 ppsm	0.12 m	1.01°
UA45	NVA	3.29 cm	3.69 cm	2.83 ppsm	0.26 m	1.59°
UA46	NVA	1.61 cm	1.74 cm	2.76 ppsm	0.14 m	0.82°
UA47	NVA	2.86 cm	3.37 cm	3.75 ppsm	0.13 m	1.79°
UA48	NVA	-3.80 cm	-3.21 cm	2.48 ppsm	0.11 m	0.24°
UA49	NVA	-3.81 cm	-1.66 cm	2.79 ppsm	0.26 m	1.67°
UA50	NVA	2.35 cm	0.28 cm	3.43 ppsm	0.02 m	2.29°
UA51	NVA	1.69 cm	0.82 cm	2.69 ppsm	0.30 m	3.66°
UA52	NVA	2.01 cm	1.05 cm	2.83 ppsm	0.15 m	1.24°
UA53	NVA	3.47 cm	2.96 cm	2.76 ppsm	0.17 m	2.07°
UA54	NVA	0.44 cm	0.55 cm	2.90 ppsm	0.28 m	4.54°
UA55	NVA	3.62 cm	3.73 cm	2.79 ppsm	0.32 m	2.21°
FO01	VVA	N/A	-12.85 cm	6.44 ppsm	0.21 m	7.52°
FO02	VVA	N/A	-2.65 cm	5.27 ppsm	0.46 m	2.38°
FO03	VVA	N/A	6.76 cm	6.01 ppsm	0.12 m	3.60°
FO04	VVA	N/A	-1.04 cm	3.08 ppsm	0.07 m	2.61°
FO05	VVA	N/A	-1.22 cm	4.88 ppsm	0.38 m	1.43°
FO06	VVA	N/A	0.48 cm	2.51 ppsm	0.42 m	0.62°
FO07	VVA	N/A	-2.07 cm	3.47 ppsm	0.14 m	4.05°
FO08	VVA	N/A	50.97 cm	3.86 ppsm	0.20 m	3.62°
FO09	VVA	N/A	13.83 cm	5.34 ppsm	0.28 m	0.91°
FO10	VVA	N/A	19.62 cm	3.08 ppsm	0.46 m	10.74°
FO11	VVA	N/A	44.12 cm	4.17 ppsm	0.44 m	7.68°
FO12	VVA	N/A	-3.06 cm	7.22 ppsm	0.25 m	7.89°
FO13	VVA	N/A	7.21 cm	6.90 ppsm	1.58 m	21.96°
FO14	VVA	N/A	1.53 cm	7.43 ppsm	0.21 m	5.27°

Control Point Breakdown (Continued)

Point	Type	All Points TIN Dz	DEM Dz	Ground Density	Nearest Ground	Slope
FO15	VVA	N/A	5.21 cm	6.30 ppsm	0.30 m	9.24°
FO16	VVA	N/A	-1.23 cm	7.50 ppsm	0.27 m	5.45°
FO17	VVA	N/A	2.42 cm	9.55 ppsm	0.30 m	4.52°
FO18	VVA	N/A	-3.89 cm	4.49 ppsm	0.15 m	13.79°
FO19	VVA	N/A	3.18 cm	4.85 ppsm	0.08 m	3.25°
FO20	VVA	N/A	4.88 cm	3.61 ppsm	0.21 m	8.18°
FO21	VVA	N/A	6.67 cm	7.85 ppsm	0.19 m	3.84°
FO22	VVA	N/A	0.45 cm	3.32 ppsm	0.28 m	8.18°
FO23	VVA	N/A	3.75 cm	5.98 ppsm	0.10 m	8.64°
FO24	VVA	N/A	2.80 cm	9.55 ppsm	0.19 m	8.65°
FO25	VVA	N/A	5.12 cm	8.45 ppsm	0.25 m	9.38°
FO26	VVA	N/A	-1.43 cm	4.63 ppsm	0.20 m	4.55°
FO27	VVA	N/A	-5.45 cm	3.32 ppsm	0.41 m	1.04°
FO28	VVA	N/A	7.59 cm	4.07 ppsm	0.25 m	5.57°
FO29	VVA	N/A	-6.10 cm	2.58 ppsm	0.21 m	4.86°
FO30	VVA	N/A	-6.88 cm	5.31 ppsm	0.01 m	17.94°
FO31	VVA	N/A	19.71 cm	2.90 ppsm	0.43 m	7.48°
FO32	VVA	N/A	3.69 cm	3.22 ppsm	0.15 m	5.33°
FO33	VVA	N/A	13.97 cm	4.17 ppsm	0.06 m	21.68°
FO34	VVA	N/A	-16.15 cm	3.89 ppsm	1.38 m	9.17°
FO35	VVA	N/A	20.26 cm	4.70 ppsm	0.10 m	4.00°
FO36	VVA	N/A	17.70 cm	4.00 ppsm	0.07 m	5.89°
FO37	VVA	N/A	13.95 cm	3.89 ppsm	0.33 m	1.06°
FO38	VVA	N/A	17.40 cm	3.96 ppsm	0.35 m	18.47°
FO39	VVA	N/A	14.64 cm	3.61 ppsm	0.45 m	15.45°
FO40	VVA	N/A	3.25 cm	3.32 ppsm	0.29 m	2.41°

Control Point Breakdown (Continued)

Point	Type	All Points TIN Dz	DEM Dz	Ground Density	Nearest Ground	Slope
FO41	VVA	N/A	10.64 cm	4.92 ppsm	0.23 m	12.09°
FO42	VVA	N/A	7.69 cm	5.69 ppsm	0.05 m	9.51°
FO43	VVA	N/A	1.41 cm	5.76 ppsm	0.37 m	2.81°
FO44	VVA	N/A	-4.39 cm	5.06 ppsm	0.26 m	5.93°
FO45	VVA	N/A	0.88 cm	9.02 ppsm	0.26 m	0.85°
FO46	VVA	N/A	1.53 cm	4.28 ppsm	0.24 m	2.07°
FO47	VVA	N/A	9.22 cm	5.45 ppsm	0.06 m	5.77°
FO48	VVA	N/A	1.40 cm	7.99 ppsm	0.27 m	1.60°
FO49	VVA	N/A	3.81 cm	4.31 ppsm	0.52 m	5.92°
FO50	VVA	N/A	4.56 cm	3.57 ppsm	0.26 m	2.56°
FO51	VVA	N/A	4.66 cm	4.42 ppsm	0.31 m	1.74°
FO52	VVA	N/A	14.64 cm	5.45 ppsm	0.37 m	5.11°
FO53	VVA	N/A	1.42 cm	4.49 ppsm	0.32 m	0.92°
FO54	VVA	N/A	-0.47 cm	3.50 ppsm	0.39 m	2.69°
FO55	VVA	N/A	-2.16 cm	4.42 ppsm	0.19 m	9.71°
FO56	VVA	N/A	-3.30 cm	4.49 ppsm	0.33 m	0.87°
FO57	VVA	N/A	-1.84 cm	5.76 ppsm	0.06 m	6.88°
FO58	VVA	N/A	-2.22 cm	3.32 ppsm	0.09 m	4.20°
FO59	VVA	N/A	4.36 cm	3.22 ppsm	0.31 m	1.98°
FO60	VVA	N/A	9.83 cm	4.21 ppsm	0.39 m	10.00°
FO61	VVA	N/A	5.04 cm	3.36 ppsm	0.34 m	3.87°
SH01	VVA	N/A	7.98 cm	4.03 ppsm	0.13 m	3.88°
SH02	VVA	N/A	3.92 cm	3.50 ppsm	0.32 m	7.80°
SH03	VVA	N/A	3.36 cm	3.89 ppsm	0.11 m	3.10°
TW01	VVA	N/A	-1.83 cm	2.83 ppsm	0.31 m	0.47°
TW02	VVA	N/A	2.13 cm	4.10 ppsm	0.17 m	3.89°

Control Point Breakdown (Continued)

Point	Type	All Points TIN Dz	DEM Dz	Ground Density	Nearest Ground	Slope
TW03	VVA	N/A	-2.05 cm	4.49 ppsm	0.17 m	6.59°
TW04	VVA	N/A	2.78 cm	2.51 ppsm	0.10 m	7.20°
TW05	VVA	N/A	5.30 cm	2.51 ppsm	0.02 m	4.80°
TW06	VVA	N/A	4.20 cm	2.48 ppsm	0.30 m	3.35°
TW07	VVA	N/A	-2.74 cm	4.49 ppsm	0.34 m	0.94°
TW08	VVA	N/A	-3.58 cm	2.72 ppsm	0.22 m	2.08°
TW09	VVA	N/A	-0.32 cm	4.17 ppsm	0.28 m	2.97°
TW10	VVA	N/A	-1.68 cm	2.44 ppsm	0.11 m	2.72°
TW11	VVA	N/A	0.25 cm	3.36 ppsm	0.35 m	1.96°
TW12	VVA	N/A	-2.94 cm	4.39 ppsm	0.06 m	2.80°
TW13	VVA	N/A	-3.89 cm	3.86 ppsm	0.13 m	9.25°
TW14	VVA	N/A	2.22 cm	2.65 ppsm	0.31 m	9.05°
TW15	VVA	N/A	3.18 cm	2.69 ppsm	0.16 m	3.67°
TW16	VVA	N/A	1.28 cm	2.69 ppsm	0.05 m	6.61°
TW17	VVA	N/A	7.43 cm	2.65 ppsm	0.38 m	1.99°
TW18	VVA	N/A	8.07 cm	2.72 ppsm	0.32 m	2.39°
TW19	VVA	N/A	1.14 cm	3.01 ppsm	0.14 m	4.47°
TW20	VVA	N/A	0.33 cm	2.97 ppsm	0.14 m	4.40°
TW21	VVA	N/A	5.82 cm	2.62 ppsm	0.24 m	1.29°
TW22	VVA	N/A	-7.54 cm	2.90 ppsm	0.16 m	0.80°
TW23	VVA	N/A	-0.94 cm	2.86 ppsm	0.30 m	6.71°
TW24	VVA	N/A	-0.34 cm	2.44 ppsm	0.10 m	5.24°
TW25	VVA	N/A	4.08 cm	2.79 ppsm	0.26 m	0.92°
TW26	VVA	N/A	8.04 cm	2.86 ppsm	0.39 m	2.18°
TW27	VVA	N/A	4.52 cm	2.58 ppsm	0.15 m	4.00°
TW28	VVA	N/A	7.66 cm	2.72 ppsm	0.28 m	2.70°

Control Point Breakdown (Continued)

Point	Type	All Points TIN Dz	DEM Dz	Ground Density	Nearest Ground	Slope
TW29	VVA	N/A	12.86 cm	2.83 ppsm	0.27 m	5.33°
TW30	VVA	N/A	2.05 cm	2.76 ppsm	0.03 m	4.11°
TW31	VVA	N/A	-1.54 cm	2.79 ppsm	0.31 m	7.37°
TW32	VVA	N/A	-2.69 cm	3.25 ppsm	0.11 m	2.48°
TW33	VVA	N/A	5.70 cm	2.94 ppsm	0.49 m	4.52°
TW34	VVA	N/A	-0.54 cm	2.76 ppsm	0.13 m	2.30°
TW35	VVA	N/A	3.85 cm	2.72 ppsm	0.25 m	1.08°
TW36	VVA	N/A	2.44 cm	2.94 ppsm	0.18 m	0.53°
TW37	VVA	N/A	4.91 cm	2.76 ppsm	0.27 m	3.22°
TW38	VVA	N/A	2.65 cm	3.01 ppsm	0.06 m	3.77°
TW39	VVA	N/A	4.79 cm	2.90 ppsm	0.03 m	0.70°
CA001	CAL	-11.36 cm	-11.57 cm	3.71 ppsm	0.21 m	0.78°
CA002	CAL	0.14 cm	-0.03 cm	3.29 ppsm	0.13 m	0.42°
CA003	CAL	1.48 cm	1.00 cm	3.93 ppsm	0.17 m	2.94°
CA004	CAL	0.07 cm	-2.49 cm	4.85 ppsm	0.18 m	2.95°
CA005	CAL	-4.27 cm	-4.09 cm	2.41 ppsm	0.03 m	5.66°
CA006	CAL	0.56 cm	0.22 cm	4.99 ppsm	0.43 m	3.45°
CA007	CAL	-7.14 cm	-7.09 cm	2.62 ppsm	0.36 m	0.30°
CA008	CAL	2.74 cm	2.97 cm	2.48 ppsm	0.43 m	3.22°
CA009	CAL	2.51 cm	2.83 cm	2.51 ppsm	0.30 m	0.92°
CA010	CAL	-2.76 cm	-2.77 cm	2.48 ppsm	0.50 m	6.83°
CA0100	CAL	2.80 cm	2.54 cm	2.97 ppsm	0.18 m	5.38°
CA0101	CAL	2.05 cm	2.47 cm	2.97 ppsm	0.20 m	4.36°
CA0102	CAL	3.95 cm	4.00 cm	2.97 ppsm	0.22 m	3.61°
CA0103	CAL	0.90 cm	0.91 cm	2.55 ppsm	0.31 m	1.00°
CA0104	CAL	-3.20 cm	-3.10 cm	2.83 ppsm	0.40 m	1.42°

Control Point Breakdown (Continued)

Point	Type	All Points TIN Dz	DEM Dz	Ground Density	Nearest Ground	Slope
CA0105	CAL	-0.53 cm	-0.56 cm	2.86 ppsm	0.15 m	1.74°
CA0106	CAL	3.35 cm	3.92 cm	2.90 ppsm	0.18 m	5.17°
CA0107	CAL	-2.06 cm	-1.79 cm	2.69 ppsm	0.09 m	1.63°
CA0108	CAL	-0.23 cm	1.15 cm	2.90 ppsm	0.44 m	2.49°
CA0109	CAL	-0.14 cm	-0.81 cm	2.79 ppsm	0.42 m	2.47°
CA011	CAL	-5.56 cm	-5.78 cm	2.76 ppsm	0.09 m	0.55°
CA0110	CAL	-9.87 cm	-10.45 cm	2.72 ppsm	0.29 m	2.54°
CA0111	CAL	-4.71 cm	-4.62 cm	2.90 ppsm	0.34 m	1.18°
CA0112	CAL	-0.91 cm	-0.86 cm	3.08 ppsm	0.11 m	1.29°
CA0113	CAL	-1.51 cm	0.23 cm	2.94 ppsm	0.09 m	2.09°
CA0114	CAL	-4.12 cm	-2.55 cm	2.65 ppsm	0.10 m	1.94°
CA0115	CAL	0.55 cm	0.86 cm	2.76 ppsm	0.33 m	4.32°
CA0116	CAL	-4.27 cm	-3.52 cm	2.51 ppsm	0.14 m	2.52°
CA0117	CAL	-4.23 cm	-4.54 cm	2.58 ppsm	0.33 m	1.23°
CA0118	CAL	1.49 cm	1.23 cm	2.86 ppsm	0.23 m	5.70°
CA0119	CAL	-3.08 cm	-4.13 cm	2.65 ppsm	0.35 m	1.92°
CA012	CAL	12.48 cm	12.42 cm	2.97 ppsm	0.21 m	2.51°
CA0120	CAL	2.07 cm	6.80 cm	2.83 ppsm	0.23 m	11.90°
CA0121	CAL	-3.60 cm	-4.52 cm	2.86 ppsm	0.33 m	0.81°
CA0122	CAL	1.41 cm	1.86 cm	2.30 ppsm	0.24 m	1.55°
CA0123	CAL	6.41 cm	6.82 cm	2.76 ppsm	0.17 m	1.68°
CA0124	CAL	4.69 cm	4.22 cm	2.69 ppsm	0.27 m	3.71°
CA0125	CAL	-2.19 cm	-2.02 cm	3.25 ppsm	0.11 m	1.00°
CA0126	CAL	3.44 cm	2.79 cm	3.22 ppsm	0.19 m	1.88°
CA0127	CAL	2.89 cm	3.78 cm	2.94 ppsm	0.28 m	2.10°
CA0128	CAL	4.23 cm	4.41 cm	2.79 ppsm	0.25 m	1.02°

Control Point Breakdown (Continued)

Point	Type	All Points TIN Dz	DEM Dz	Ground Density	Nearest Ground	Slope
CA0129	CAL	0.51 cm	0.43 cm	4.03 ppsm	0.20 m	5.80°
CA013	CAL	10.35 cm	10.35 cm	2.72 ppsm	0.26 m	0.93°
CA0130	CAL	-0.66 cm	-0.14 cm	2.79 ppsm	0.29 m	1.43°
CA0131	CAL	2.20 cm	2.54 cm	3.01 ppsm	0.32 m	0.97°
CA0132	CAL	2.60 cm	2.44 cm	3.01 ppsm	0.23 m	1.17°
CA0133	CAL	2.89 cm	2.61 cm	3.40 ppsm	0.17 m	3.79°
CA0134	CAL	8.45 cm	7.90 cm	3.36 ppsm	0.23 m	5.27°
CA0135	CAL	-2.37 cm	-3.01 cm	3.15 ppsm	0.34 m	3.74°
CA0136	CAL	1.84 cm	1.82 cm	3.57 ppsm	0.33 m	2.49°
CA0137	CAL	-1.34 cm	-1.47 cm	2.33 ppsm	0.40 m	2.54°
CA0138	CAL	5.42 cm	5.36 cm	3.04 ppsm	0.34 m	4.43°
CA0139	CAL	0.92 cm	0.87 cm	2.90 ppsm	0.18 m	5.36°
CA014	CAL	2.84 cm	2.35 cm	3.36 ppsm	0.19 m	0.22°
CA0140	CAL	-2.56 cm	-3.36 cm	2.69 ppsm	0.21 m	0.63°
CA0141	CAL	-1.47 cm	-2.06 cm	3.11 ppsm	0.09 m	0.69°
CA0142	CAL	-4.47 cm	-4.63 cm	3.08 ppsm	0.16 m	4.12°
CA0143	CAL	-3.13 cm	-0.55 cm	3.08 ppsm	0.24 m	2.10°
CA0144	CAL	-3.36 cm	-3.35 cm	2.90 ppsm	0.23 m	2.27°
CA0145	CAL	-0.67 cm	-0.60 cm	2.83 ppsm	0.34 m	1.17°
CA0146	CAL	-4.55 cm	-3.66 cm	3.25 ppsm	0.33 m	8.78°
CA0147	CAL	-2.12 cm	-2.50 cm	3.22 ppsm	0.37 m	2.18°
CA0148	CAL	2.01 cm	2.50 cm	2.79 ppsm	0.40 m	0.95°
CA0149	CAL	3.35 cm	2.50 cm	3.50 ppsm	0.30 m	2.04°
CA015	CAL	4.81 cm	4.37 cm	2.58 ppsm	0.13 m	5.57°
CA0150	CAL	2.97 cm	3.53 cm	2.79 ppsm	0.45 m	2.96°
CA016	CAL	4.93 cm	5.46 cm	2.79 ppsm	0.13 m	3.96°

Control Point Breakdown (Continued)

Point	Type	All Points TIN Dz	DEM Dz	Ground Density	Nearest Ground	Slope
CA017	CAL	3.85 cm	3.38 cm	2.72 ppsm	0.08 m	2.15°
CA018	CAL	1.47 cm	1.47 cm	2.30 ppsm	0.36 m	0.12°
CA019	CAL	-13.81 cm	-14.16 cm	3.43 ppsm	0.28 m	5.69°
CA020	CAL	-9.16 cm	-10.01 cm	3.29 ppsm	0.17 m	0.28°
CA021	CAL	-1.81 cm	-0.69 cm	5.13 ppsm	0.03 m	1.49°
CA022	CAL	8.62 cm	8.39 cm	2.79 ppsm	0.13 m	0.39°
CA023	CAL	2.63 cm	2.18 cm	3.93 ppsm	0.10 m	2.93°
CA024	CAL	4.24 cm	4.38 cm	3.47 ppsm	0.23 m	1.88°
CA025	CAL	-0.35 cm	-0.63 cm	3.82 ppsm	0.65 m	1.56°
CA026	CAL	4.45 cm	3.54 cm	3.36 ppsm	0.22 m	3.71°
CA027	CAL	2.49 cm	2.54 cm	3.22 ppsm	0.29 m	3.70°
CA028	CAL	3.13 cm	2.81 cm	4.92 ppsm	0.16 m	3.55°
CA029	CAL	-2.80 cm	-2.94 cm	2.62 ppsm	0.51 m	2.59°
CA030	CAL	-3.17 cm	-3.76 cm	2.37 ppsm	0.48 m	3.57°
CA031	CAL	3.16 cm	3.47 cm	2.44 ppsm	0.21 m	4.73°
CA032	CAL	-0.69 cm	-0.75 cm	2.55 ppsm	0.24 m	1.06°
CA033	CAL	-1.44 cm	-1.04 cm	2.62 ppsm	0.36 m	3.91°
CA034	CAL	2.88 cm	2.98 cm	1.98 ppsm	0.34 m	2.63°
CA035	CAL	3.07 cm	2.58 cm	3.04 ppsm	0.26 m	2.45°
CA036	CAL	-0.51 cm	-1.94 cm	3.61 ppsm	0.15 m	0.80°
CA037	CAL	-5.97 cm	-6.14 cm	2.48 ppsm	0.34 m	2.42°
CA038	CAL	1.07 cm	0.66 cm	2.72 ppsm	0.46 m	1.06°
CA039	CAL	1.92 cm	1.56 cm	2.51 ppsm	0.27 m	5.07°
CA040	CAL	0.86 cm	0.49 cm	3.64 ppsm	0.23 m	2.66°
CA041	CAL	1.38 cm	1.82 cm	4.28 ppsm	0.07 m	3.36°
CA042	CAL	2.09 cm	1.89 cm	4.70 ppsm	0.08 m	3.26°

Control Point Breakdown (Continued)

Point	Type	All Points TIN Dz	DEM Dz	Ground Density	Nearest Ground	Slope
CA043	CAL	-0.92 cm	-1.57 cm	4.03 ppsm	0.15 m	2.25°
CA044	CAL	-0.86 cm	-0.33 cm	3.61 ppsm	0.37 m	5.06°
CA045	CAL	1.58 cm	1.61 cm	3.89 ppsm	0.25 m	1.41°
CA046	CAL	-1.53 cm	-2.51 cm	4.17 ppsm	0.08 m	2.06°
CA047	CAL	0.73 cm	-0.17 cm	3.43 ppsm	0.16 m	0.13°
CA048	CAL	2.38 cm	1.06 cm	3.68 ppsm	0.27 m	0.95°
CA049	CAL	5.01 cm	4.67 cm	3.82 ppsm	0.35 m	2.10°
CA050	CAL	0.09 cm	-1.56 cm	3.36 ppsm	0.19 m	1.56°
CA051	CAL	-0.09 cm	-0.22 cm	3.68 ppsm	0.28 m	2.68°
CA052	CAL	-3.07 cm	-3.18 cm	4.10 ppsm	0.34 m	2.61°
CA053	CAL	1.74 cm	2.42 cm	3.50 ppsm	0.21 m	2.63°
CA054	CAL	-5.62 cm	-4.87 cm	3.93 ppsm	0.15 m	2.70°
CA055	CAL	-0.54 cm	-1.03 cm	3.43 ppsm	0.34 m	3.61°
CA056	CAL	-8.97 cm	-8.70 cm	2.51 ppsm	0.40 m	4.27°
CA057	CAL	-7.25 cm	-7.23 cm	2.58 ppsm	0.38 m	3.30°
CA058	CAL	-8.99 cm	-8.62 cm	2.58 ppsm	0.68 m	5.83°
CA059	CAL	-5.97 cm	-5.72 cm	2.26 ppsm	0.42 m	4.35°
CA060	CAL	-15.19 cm	-15.78 cm	2.48 ppsm	0.30 m	1.53°
CA061	CAL	-12.07 cm	-11.98 cm	2.16 ppsm	0.31 m	0.63°
CA062	CAL	-11.62 cm	-11.88 cm	2.37 ppsm	0.39 m	2.07°
CA063	CAL	0.18 cm	0.03 cm	3.08 ppsm	0.34 m	1.54°
CA064	CAL	-13.38 cm	-14.20 cm	3.01 ppsm	0.16 m	1.18°
CA065	CAL	-6.06 cm	-6.54 cm	2.69 ppsm	0.49 m	1.70°
CA066	CAL	-20.66 cm	-20.39 cm	2.48 ppsm	0.33 m	0.83°
CA067	CAL	-9.91 cm	-10.85 cm	2.41 ppsm	0.39 m	3.01°
CA068	CAL	-19.44 cm	-19.78 cm	2.41 ppsm	0.24 m	6.90°

Control Point Breakdown (Continued)

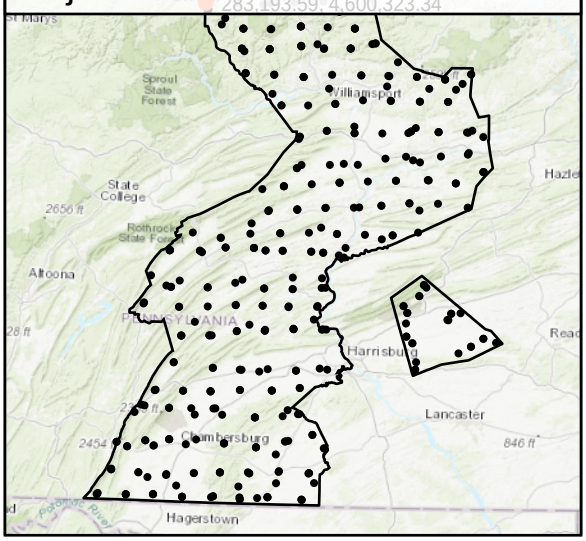
Point	Type	All Points TIN Dz	DEM Dz	Ground Density	Nearest Ground	Slope
CA069	CAL	-7.76 cm	-6.69 cm	3.04 ppsm	0.41 m	8.20°
CA070	CAL	-16.04 cm	-14.99 cm	2.41 ppsm	0.18 m	2.48°
CA071	CAL	-15.10 cm	-15.58 cm	2.30 ppsm	0.24 m	1.93°
CA072	CAL	-16.23 cm	-15.57 cm	2.55 ppsm	0.17 m	5.09°
CA073	CAL	-12.85 cm	-12.03 cm	2.26 ppsm	0.09 m	0.98°
CA074	CAL	-12.59 cm	-12.97 cm	2.37 ppsm	0.52 m	2.98°
CA075	CAL	-7.59 cm	-7.50 cm	2.58 ppsm	0.09 m	8.70°
CA076	CAL	2.60 cm	2.66 cm	2.48 ppsm	0.67 m	3.18°
CA077	CAL	3.76 cm	3.18 cm	2.72 ppsm	0.12 m	2.41°
CA078	CAL	-2.66 cm	-2.43 cm	2.44 ppsm	0.20 m	3.61°
CA079	CAL	6.26 cm	6.91 cm	2.41 ppsm	0.26 m	3.23°
CA080	CAL	-1.45 cm	-1.98 cm	2.41 ppsm	0.34 m	2.01°
CA081	CAL	6.30 cm	6.64 cm	2.41 ppsm	0.07 m	1.14°
CA082	CAL	15.66 cm	15.41 cm	2.44 ppsm	0.42 m	2.80°
CA083	CAL	13.75 cm	15.22 cm	2.37 ppsm	0.31 m	1.59°
CA084	CAL	10.37 cm	10.55 cm	2.55 ppsm	0.36 m	4.77°
CA085	CAL	7.11 cm	5.24 cm	2.58 ppsm	0.01 m	4.56°
CA086	CAL	8.37 cm	8.35 cm	2.26 ppsm	0.30 m	2.33°
CA087	CAL	16.92 cm	17.82 cm	2.16 ppsm	0.36 m	1.21°
CA088	CAL	12.34 cm	11.89 cm	2.26 ppsm	0.41 m	3.76°
CA089	CAL	11.88 cm	12.00 cm	2.58 ppsm	0.08 m	1.65°
CA090	CAL	8.34 cm	7.23 cm	2.83 ppsm	0.40 m	5.12°
CA091	CAL	15.01 cm	14.05 cm	2.48 ppsm	0.35 m	11.41°
CA092	CAL	9.56 cm	9.82 cm	2.55 ppsm	0.23 m	1.61°
CA093	CAL	14.97 cm	14.84 cm	2.23 ppsm	0.41 m	4.12°
CA094	CAL	6.07 cm	6.78 cm	2.58 ppsm	0.30 m	3.88°

Control Point Breakdown (Continued)

Point	Type	All Points TIN Dz	DEM Dz	Ground Density	Nearest Ground	Slope
CA095	CAL	10.43 cm	10.09 cm	2.55 ppsm	0.30 m	0.31°
CA096	CAL	-0.33 cm	-1.34 cm	2.76 ppsm	0.04 m	0.73°
CA097	CAL	-1.59 cm	-1.69 cm	3.15 ppsm	0.38 m	1.20°
CA098	CAL	3.72 cm	3.44 cm	3.01 ppsm	0.28 m	1.89°
CA099	CAL	2.09 cm	2.26 cm	2.79 ppsm	0.43 m	6.91°

BE01				
	Known Z	605.46 m	Point Density	4.21 ppsm
	DEM Dz	-0.13 m	Ground Density	4.21 ppsm
	All Points TIN Dz	-0.13 m	Slope	1.52 °

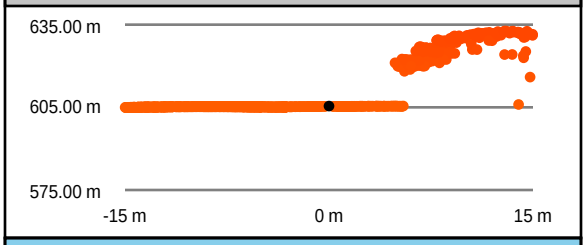
Project Context



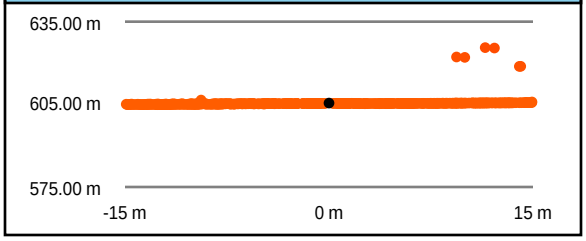
World Imagery



South to North



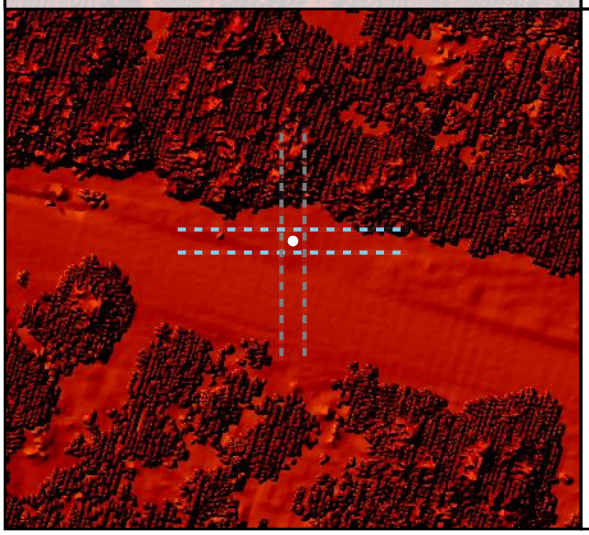
West to East



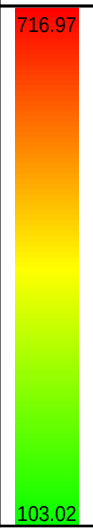
Intensity Raster



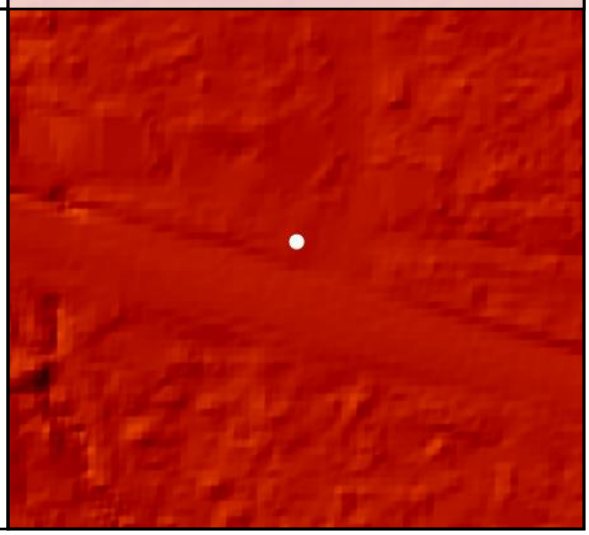
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.13 m

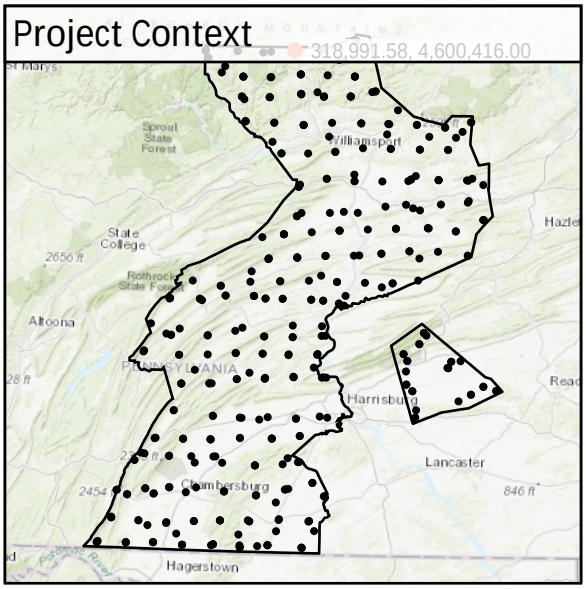
NVA - BE01

All Points TIN Dz -0.13 m

BE02

Known Z	488.29 m	Point Density	5.09 ppsm
DEM Dz	0.01 m	Ground Density	5.09 ppsm
All Points TIN Dz	0.01 m	Slope	1.19 °

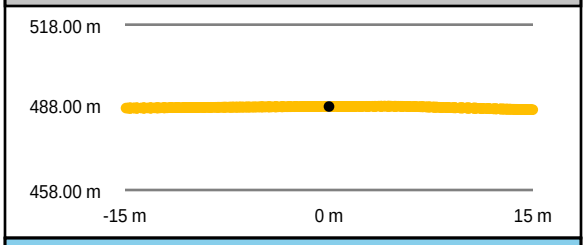
Project Context



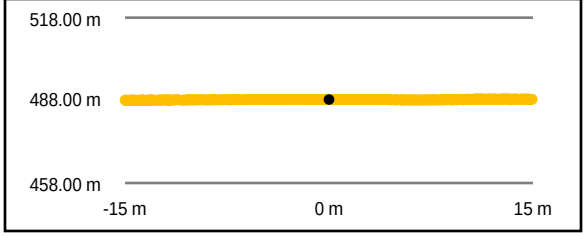
World Imagery



South to North



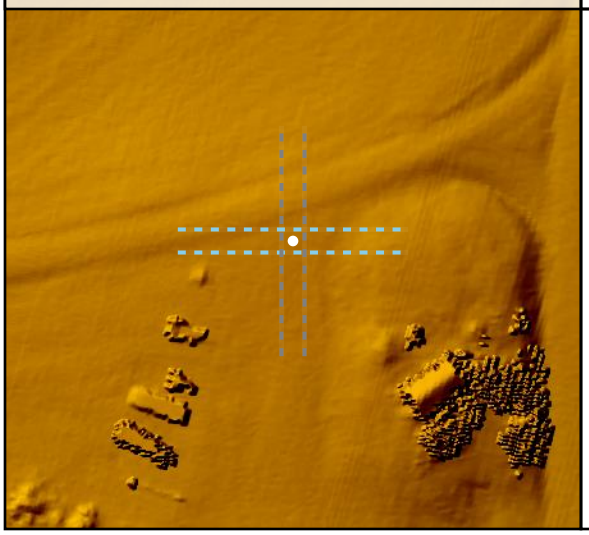
West to East



Intensity Raster



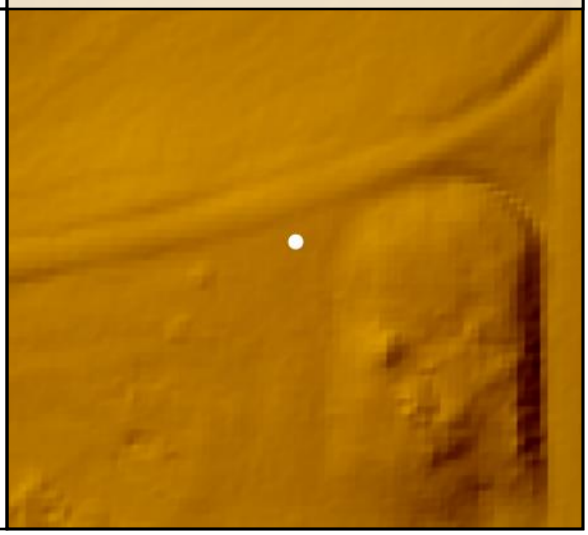
TIN Surface



Project Elevation



DEM Surface



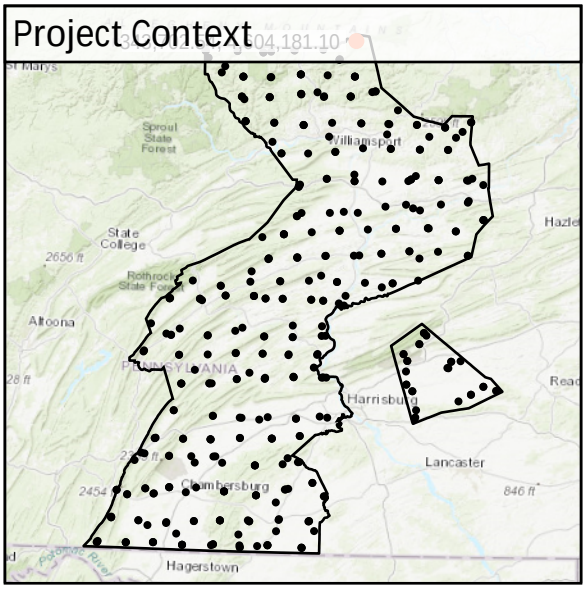
DEM Dz +0.01 m

NVA - BE02

All Points TIN Dz +0.01 m

BE03				
	Known Z	611.90 m	Point Density	7.18 ppsm
	DEM Dz	-0.02 m	Ground Density	4.95 ppsm
	All Points TIN Dz	-0.01 m	Slope	0.70 °

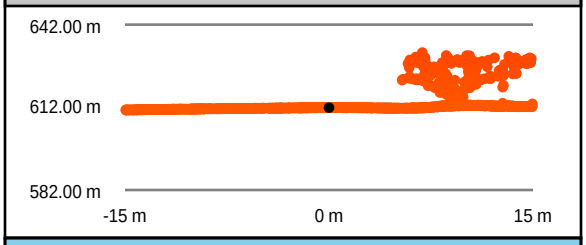
Project Context



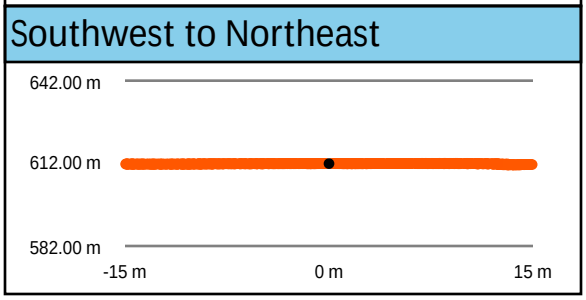
World Imagery



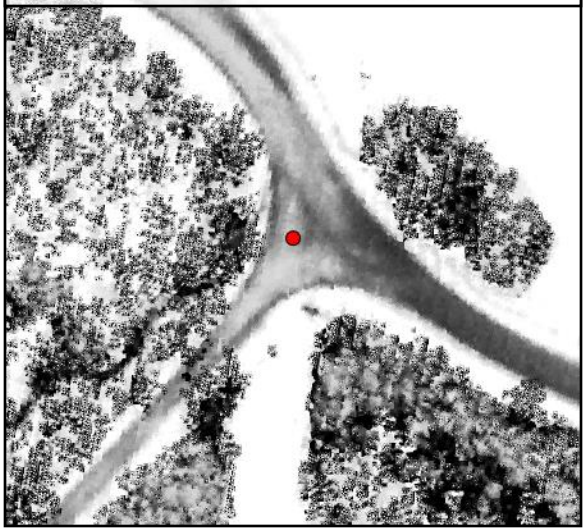
Southeast to Northwest



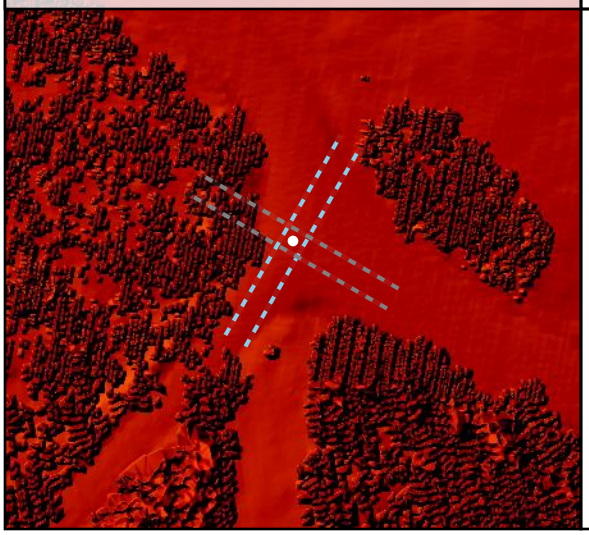
Southwest to Northeast



Intensity Raster



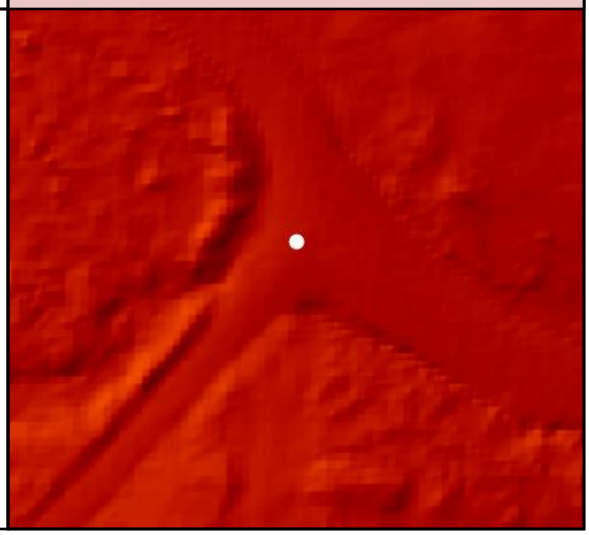
TIN Surface



Project Elevation



DEM Surface



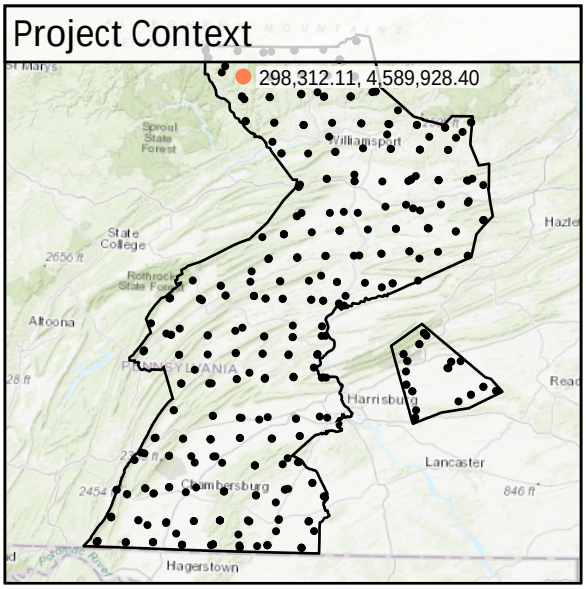
DEM Dz -0.02 m

NVA - BE03

All Points TIN Dz -0.01 m

BE04				
	Known Z	520.52 m	Point Density	2.30 ppsm
	DEM Dz	-0.01 m	Ground Density	2.30 ppsm
	All Points TIN Dz	-0.01 m	Slope	2.35 °

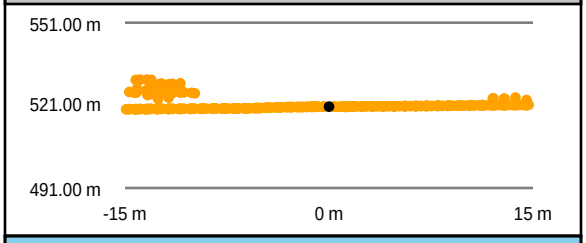
Project Context



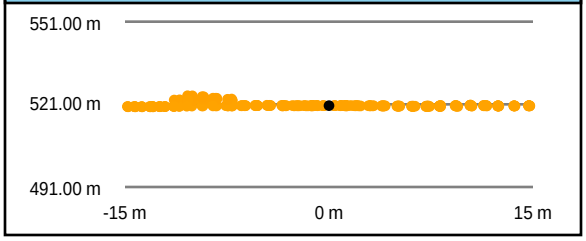
World Imagery



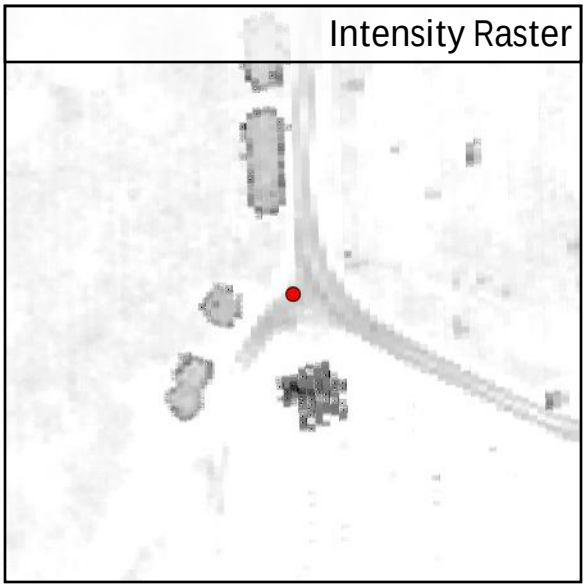
South to North



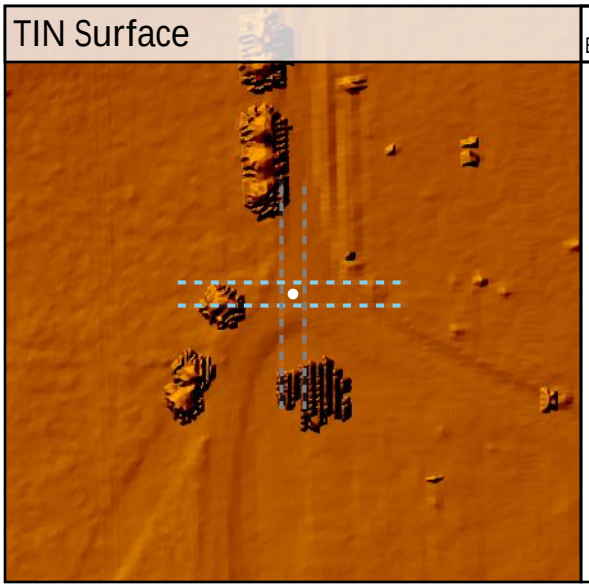
West to East



Intensity Raster



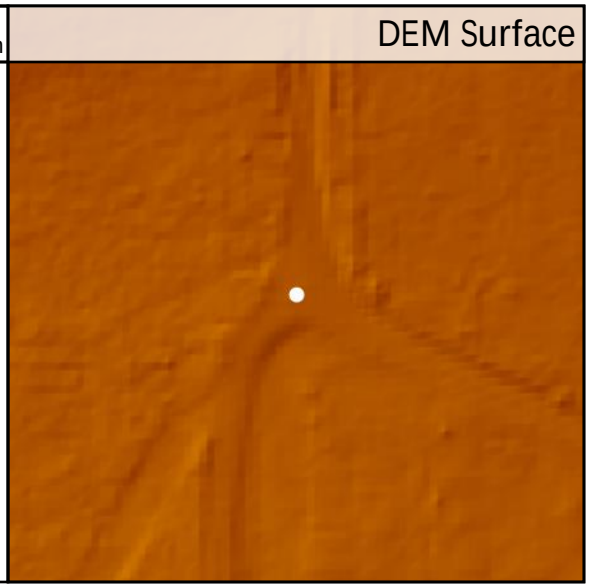
TIN Surface



Project Elevation



DEM Surface



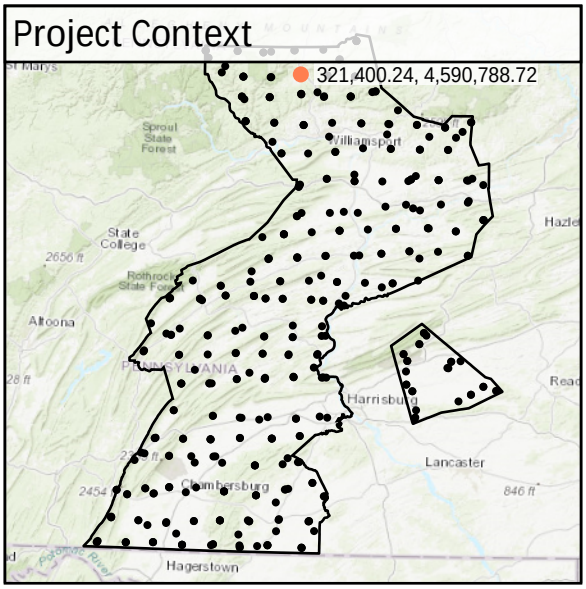
DEM Dz -0.01 m

NVA - BE04

All Points TIN Dz -0.01 m

BE05				
	Known Z	492.39 m	Point Density	5.91 ppsm
	DEM Dz	-0.02 m	Ground Density	2.37 ppsm
	All Points TIN Dz	-0.01 m	Slope	6.25 °

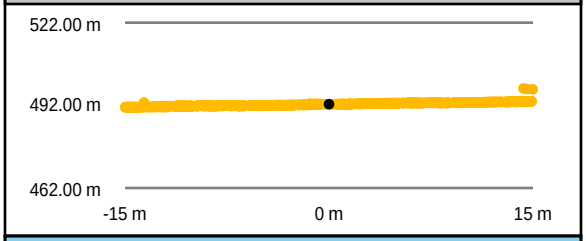
Project Context



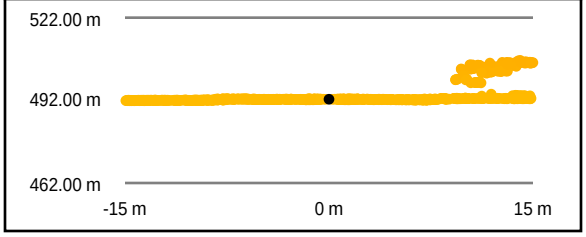
World Imagery



Southeast to Northwest



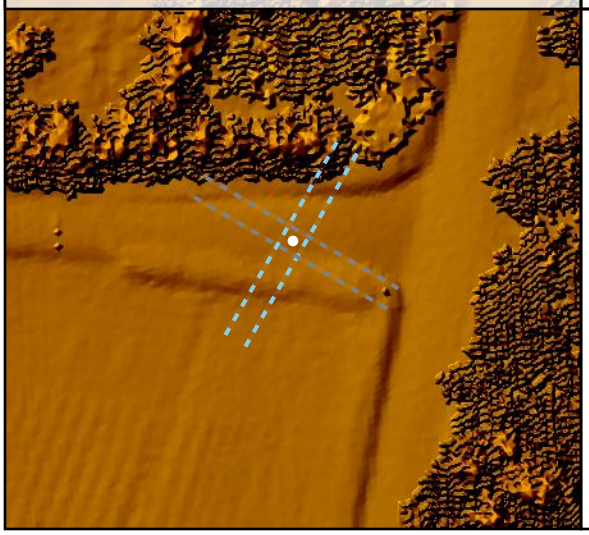
Southwest to Northeast



Intensity Raster



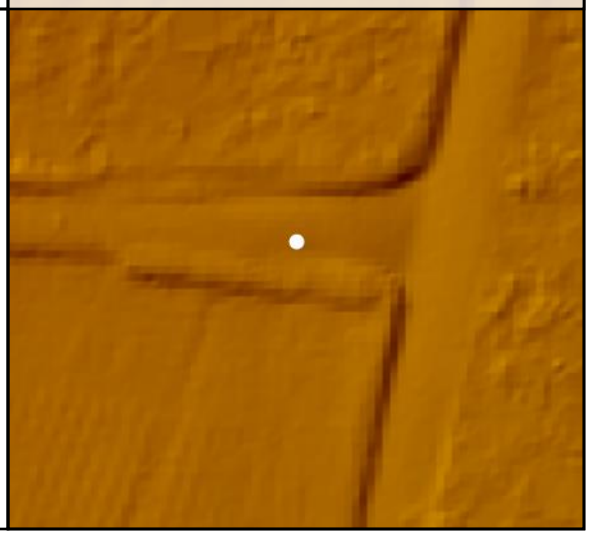
TIN Surface



Project Elevation



DEM Surface



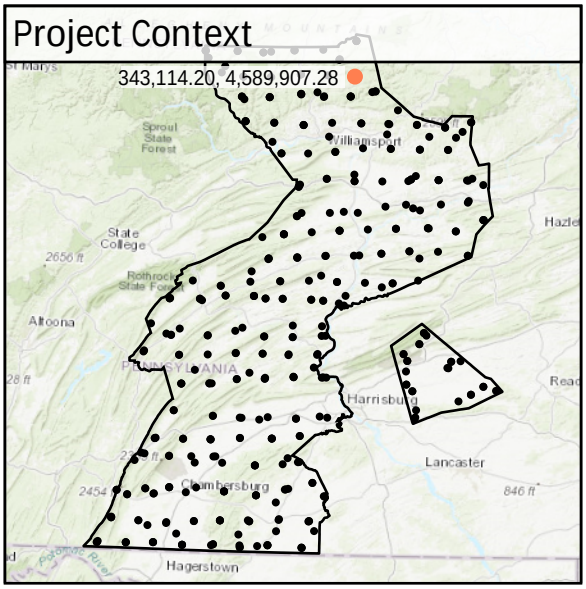
DEM Dz -0.02 m

NVA - BE05

All Points TIN Dz -0.01 m

BE06				
	Known Z	419.43 m	Point Density	4.88 ppsm
	DEM Dz	0.07 m	Ground Density	2.62 ppsm
	All Points TIN Dz	0.07 m	Slope	2.76 °

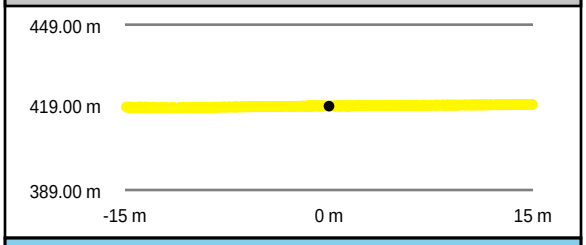
Project Context



World Imagery



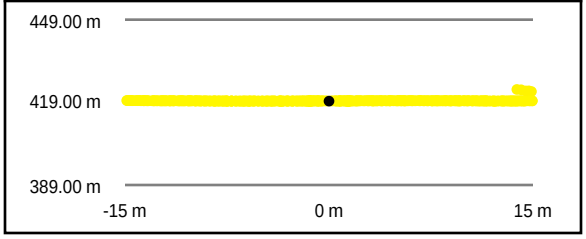
Southeast to Northwest



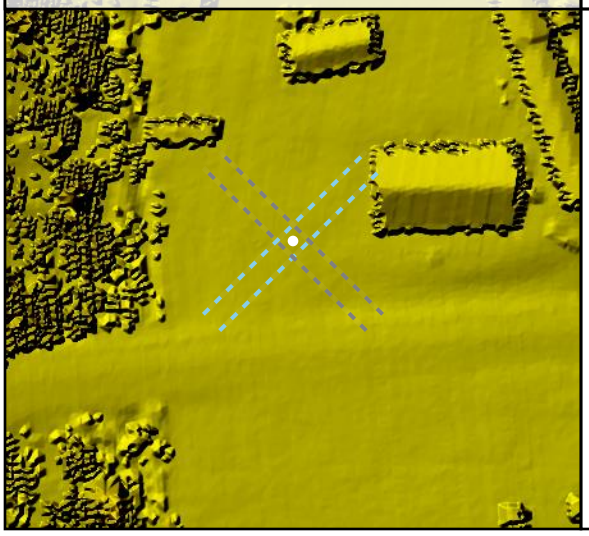
Intensity Raster



Southwest to Northeast



TIN Surface

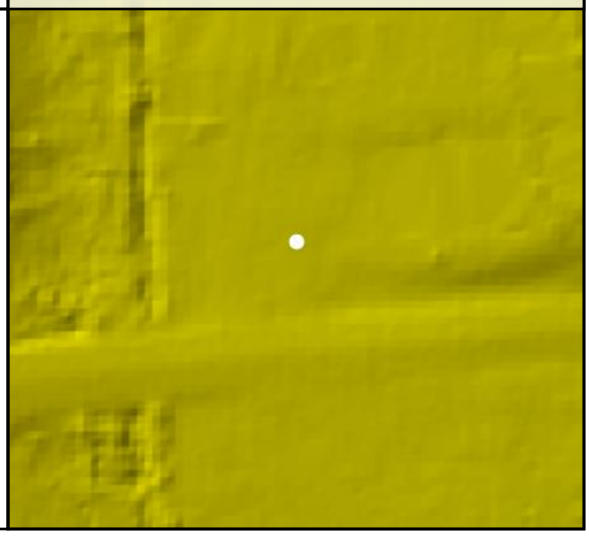


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.07 m

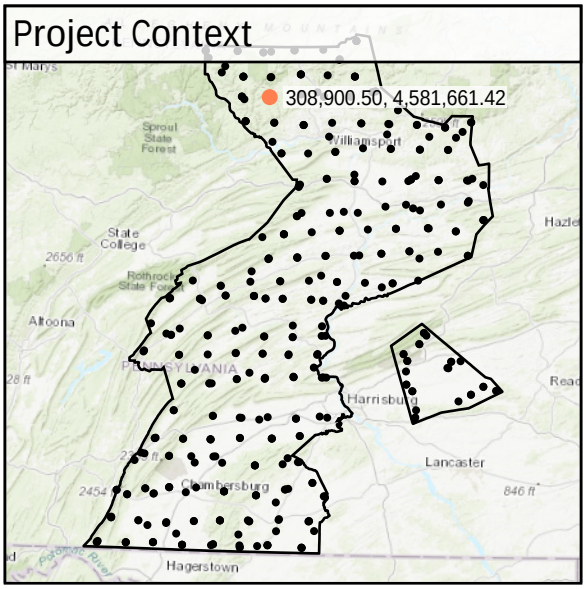
NVA - BE06

All Points TIN Dz +0.07 m

BE07

Known Z	588.89 m	Point Density	6.22 ppsm
DEM Dz	0.02 m	Ground Density	3.32 ppsm
All Points TIN Dz	0.02 m	Slope	0.91 °

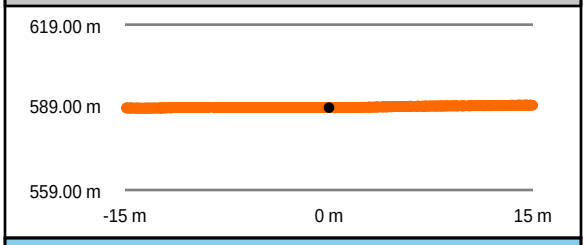
Project Context



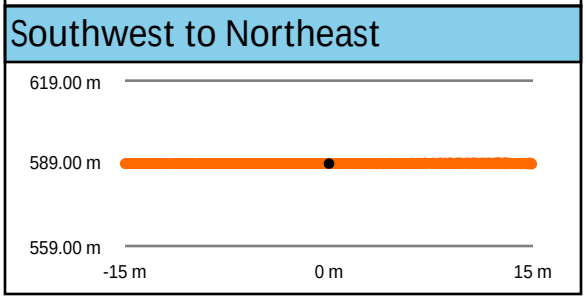
World Imagery



Southeast to Northwest



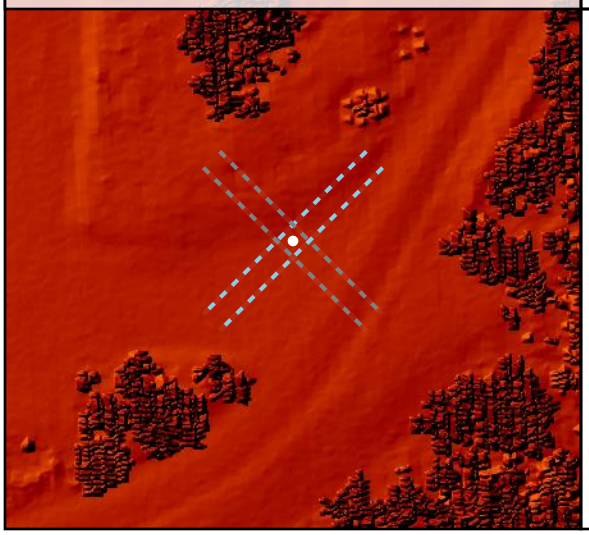
Southwest to Northeast



Intensity Raster



TIN Surface

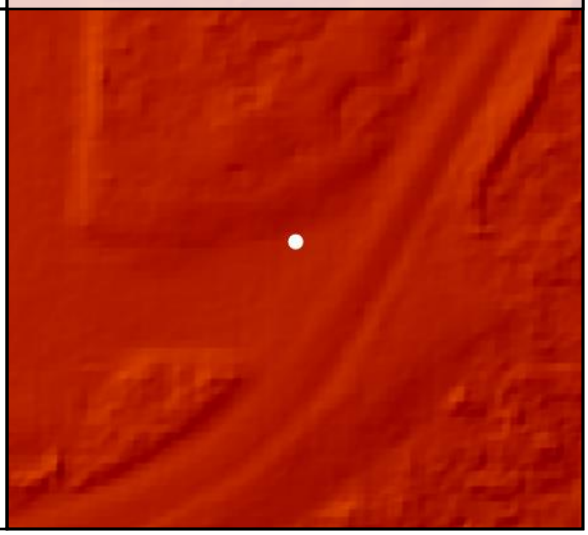


Project Elevation

716.97

103.02

DEM Surface



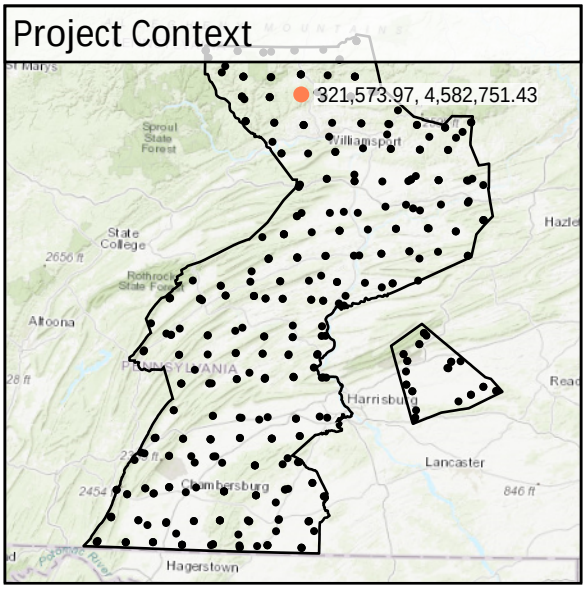
DEM Dz +0.02 m

NVA - BE07

All Points TIN Dz +0.02 m

BE08				
	Known Z	452.02 m	Point Density	5.94 ppsm
	DEM Dz	0.02 m	Ground Density	3.15 ppsm
	All Points TIN Dz	0.03 m	Slope	3.92 °

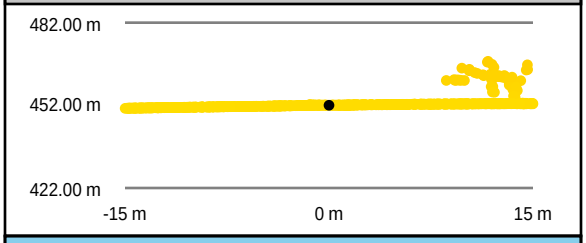
Project Context



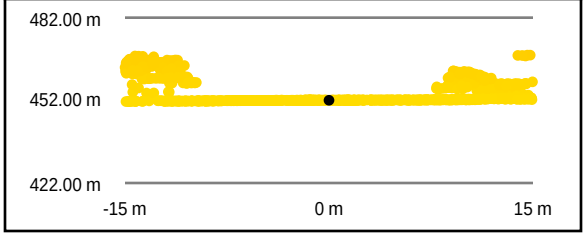
World Imagery



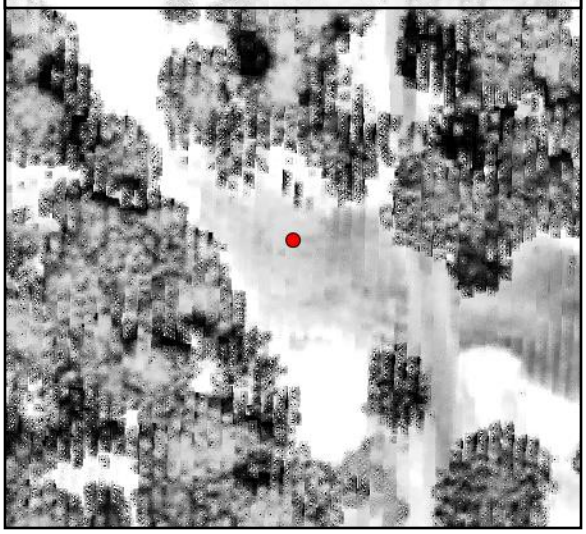
Southeast to Northwest



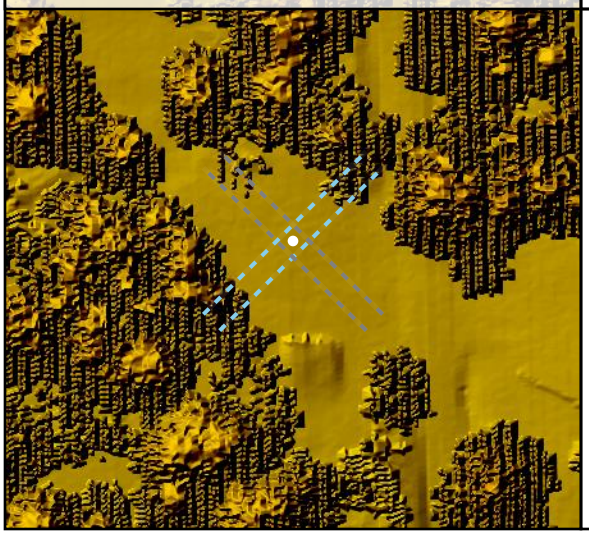
Southwest to Northeast



Intensity Raster



TIN Surface

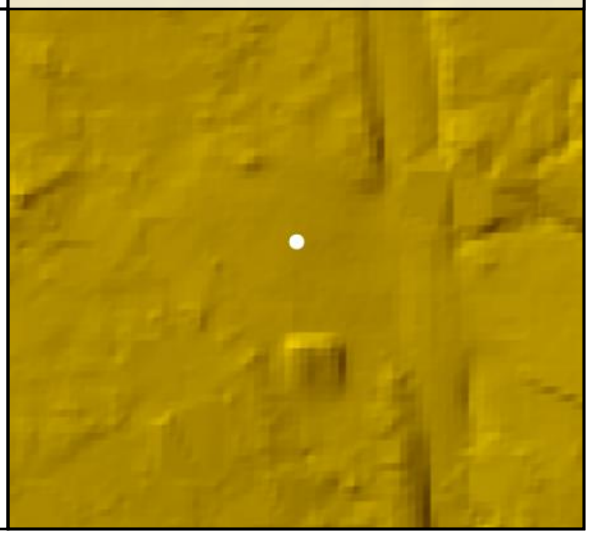


Project Elevation

716.97

103.02

DEM Surface



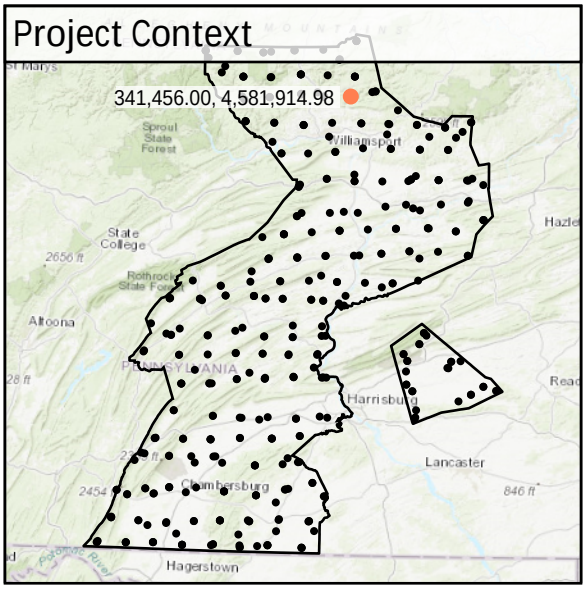
DEM Dz +0.02 m

NVA - BE08

All Points TIN Dz +0.03 m

BE09				
	Known Z	464.01 m	Point Density	5.06 ppsm
	DEM Dz	-0.02 m	Ground Density	2.69 ppsm
	All Points TIN Dz	-0.02 m	Slope	3.23 °

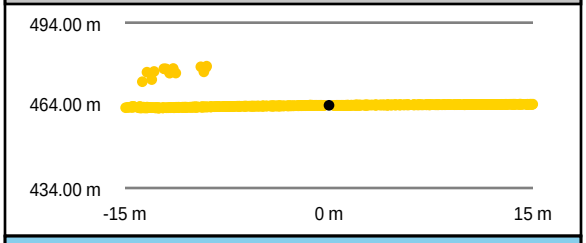
Project Context



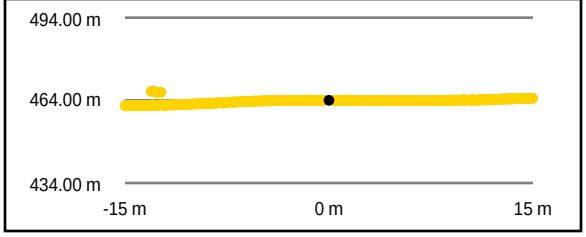
World Imagery



Southwest to Northeast



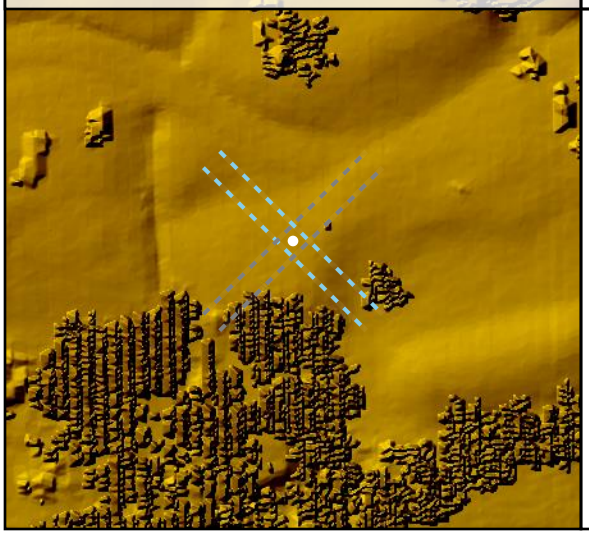
Southeast to Northwest



Intensity Raster



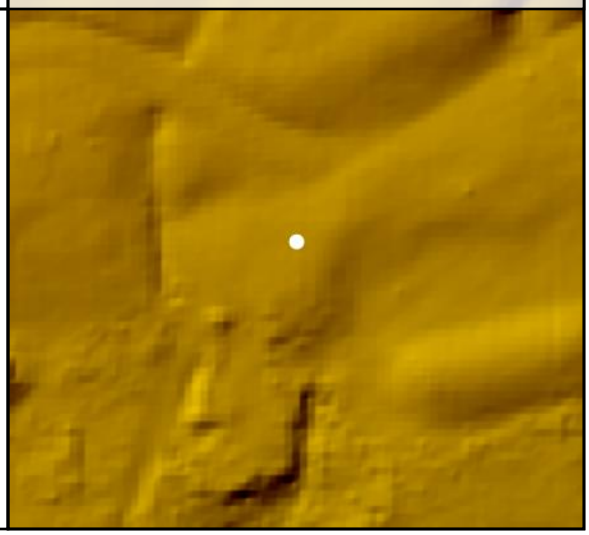
TIN Surface



Project Elevation



DEM Surface



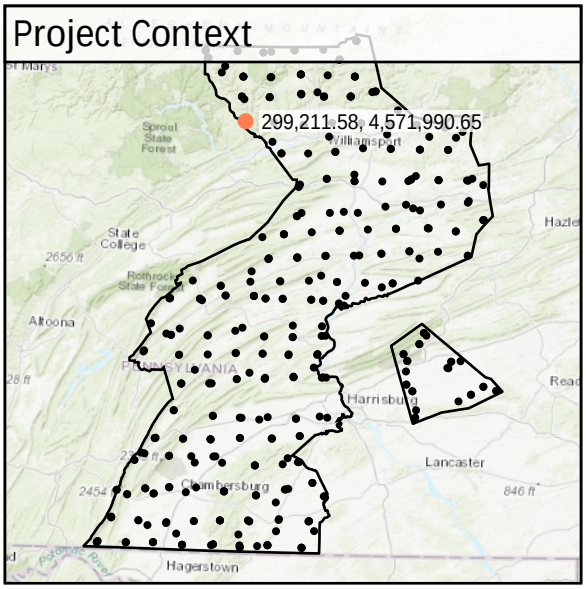
DEM Dz -0.02 m

NVA - BE09

All Points TIN Dz -0.02 m

BE10				
	Known Z	571.45 m	Point Density	6.72 ppsm
	DEM Dz	-0.12 m	Ground Density	3.50 ppsm
	All Points TIN Dz	-0.11 m	Slope	5.85 °

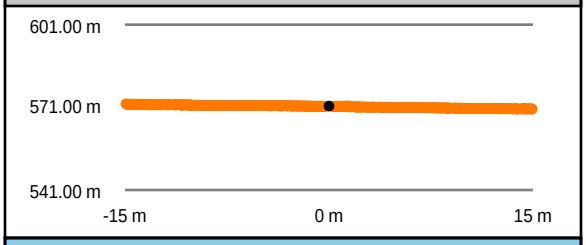
Project Context



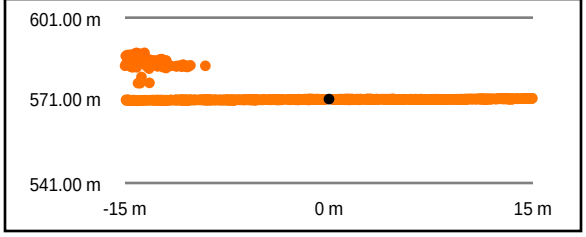
World Imagery



Southeast to Northwest



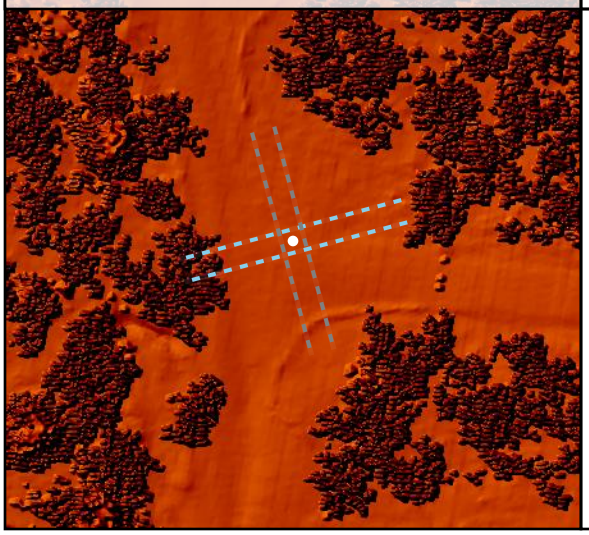
Southwest to Northeast



Intensity Raster



TIN Surface

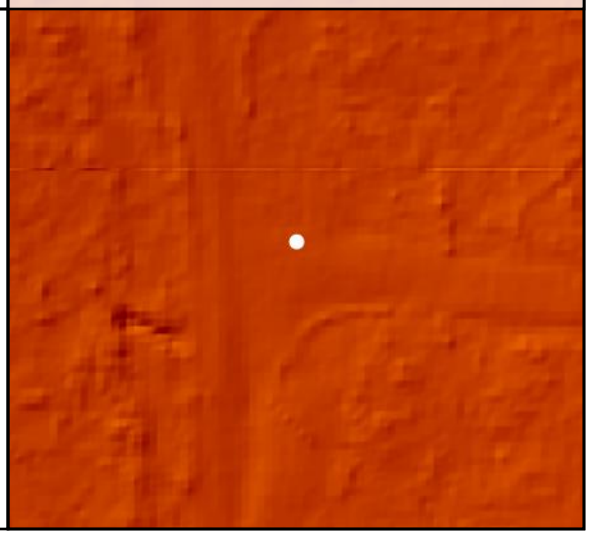


Project Elevation

716.97

103.02

DEM Surface



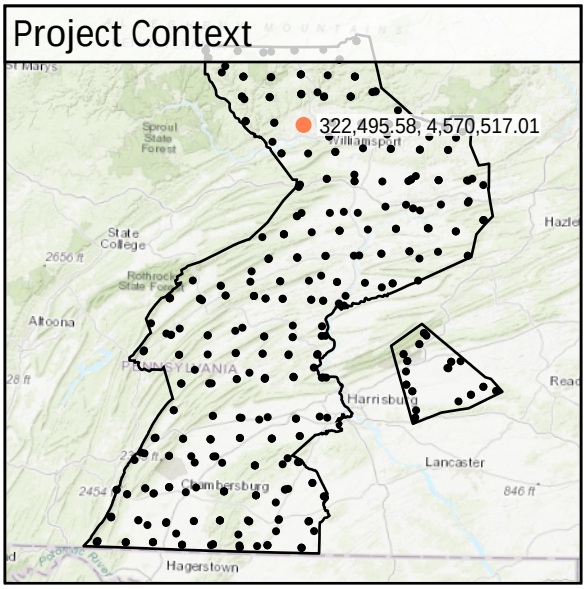
DEM Dz -0.12 m

NVA - BE10

All Points TIN Dz -0.11 m

BE11				
	Known Z	303.99 m	Point Density	3.40 ppsm
	DEM Dz	-0.02 m	Ground Density	3.40 ppsm
	All Points TIN Dz	-0.02 m	Slope	3.66 °

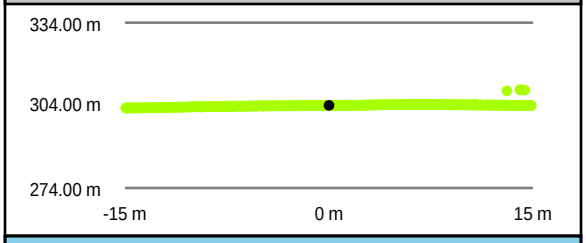
Project Context



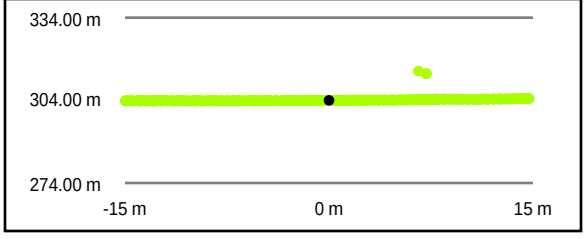
World Imagery



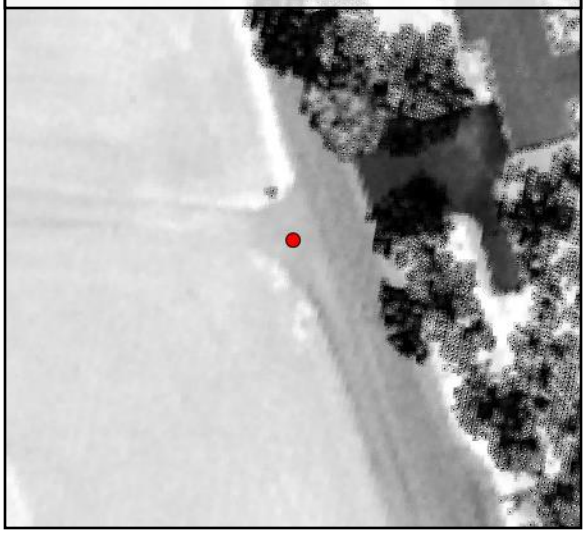
Southwest to Northeast



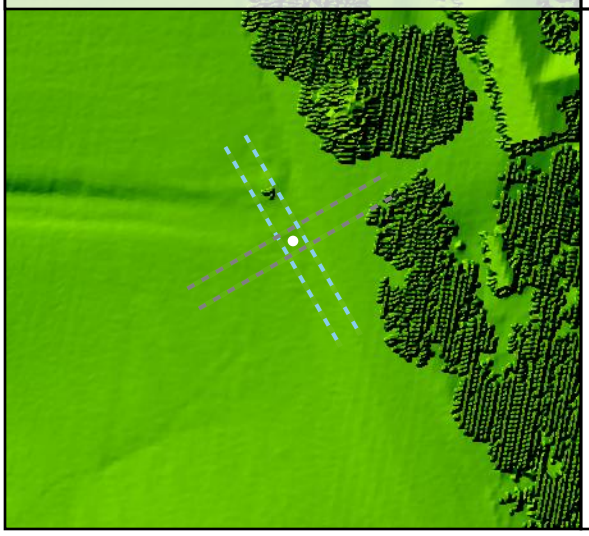
Southeast to Northwest



Intensity Raster



TIN Surface

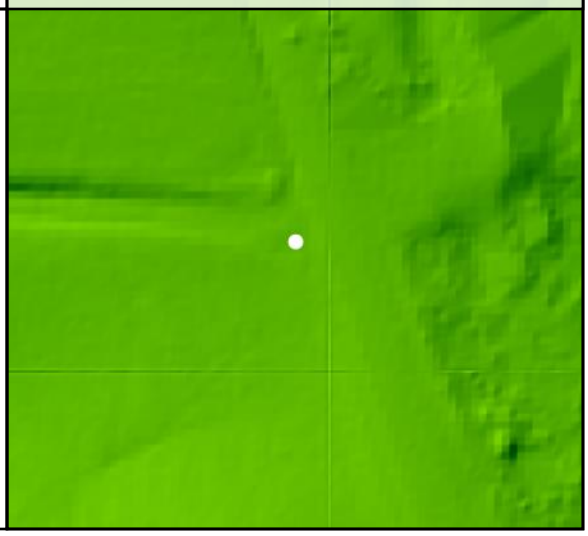


Project Elevation

716.97

103.02

DEM Surface



DEM Dz -0.02 m

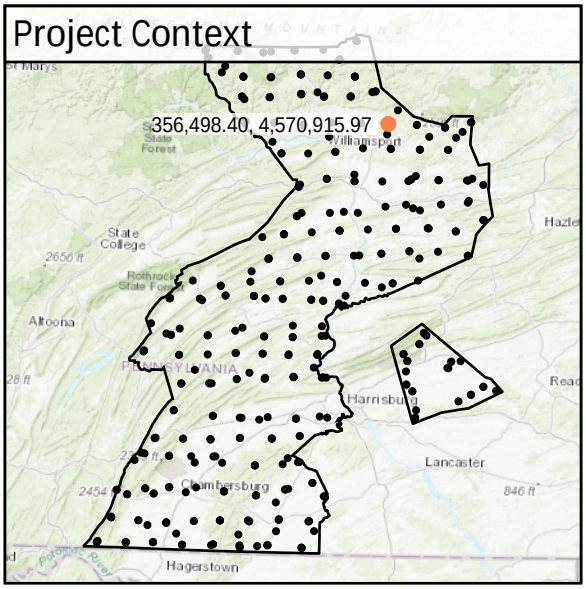
NVA - BE11

All Points TIN Dz -0.02 m

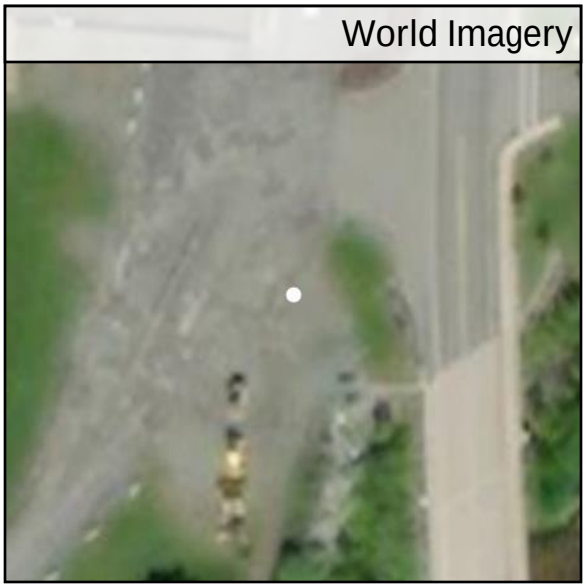
BE12

Known Z	195.33 m	Point Density	5.31 ppsm
DEM Dz	0.01 m	Ground Density	3.40 ppsm
All Points TIN Dz	0.01 m	Slope	2.14 °

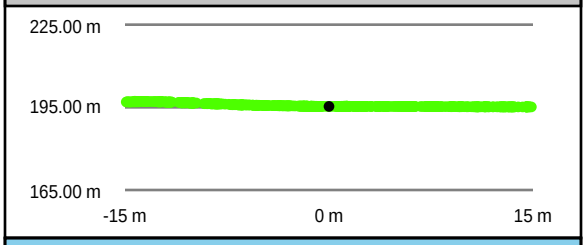
Project Context



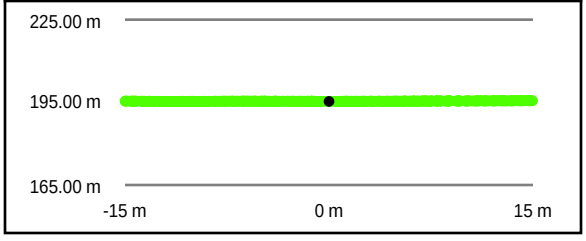
World Imagery



Southeast to Northwest



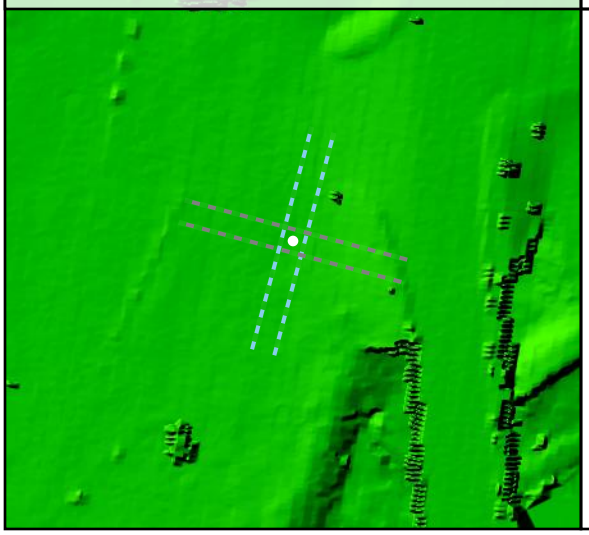
Southwest to Northeast



Intensity Raster



TIN Surface

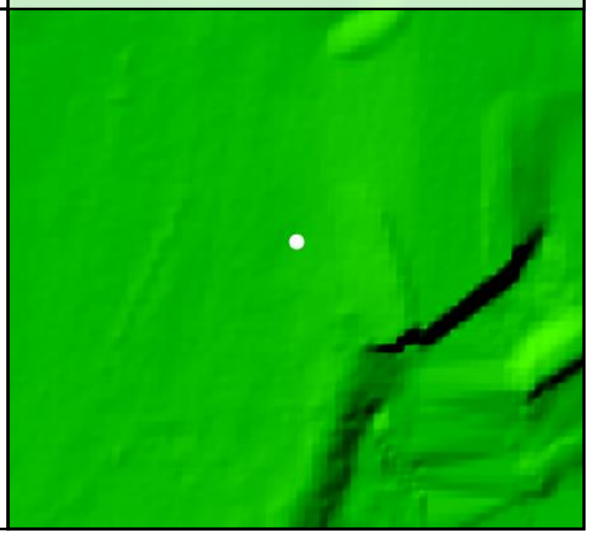


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.01 m

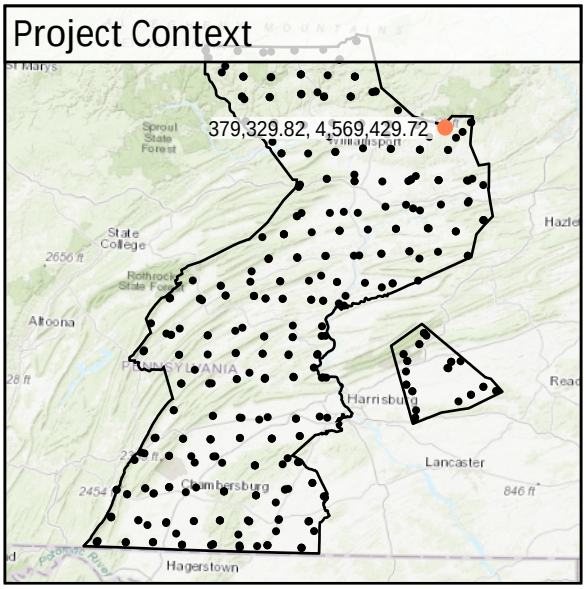
NVA - BE12

All Points TIN Dz +0.01 m

BE13

Known Z	352.77 m	Point Density	3.47 ppsm
DEM Dz	0.05 m	Ground Density	3.47 ppsm
All Points TIN Dz	0.03 m	Slope	3.38 °

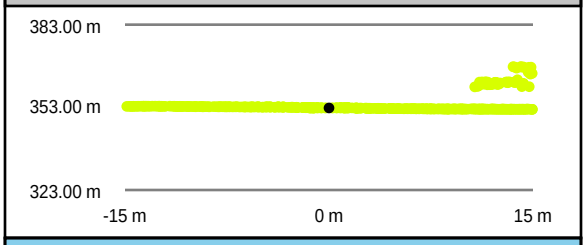
Project Context



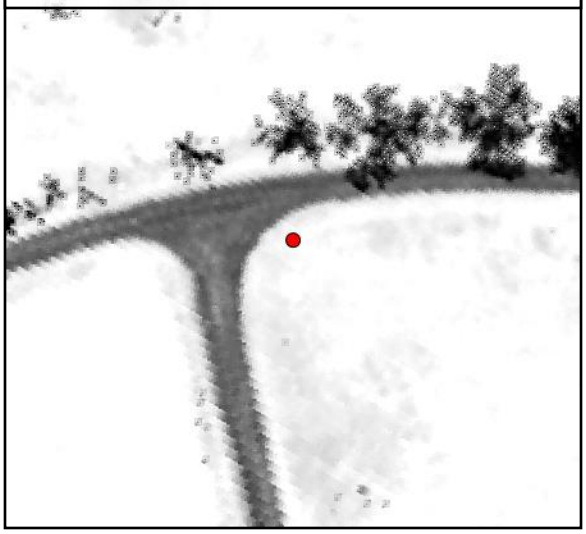
World Imagery



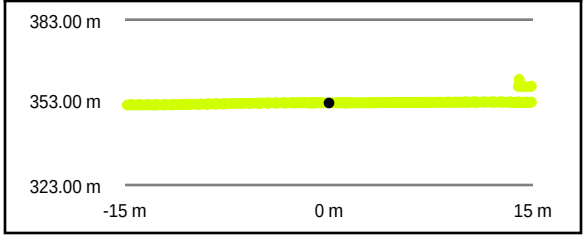
Southwest to Northeast



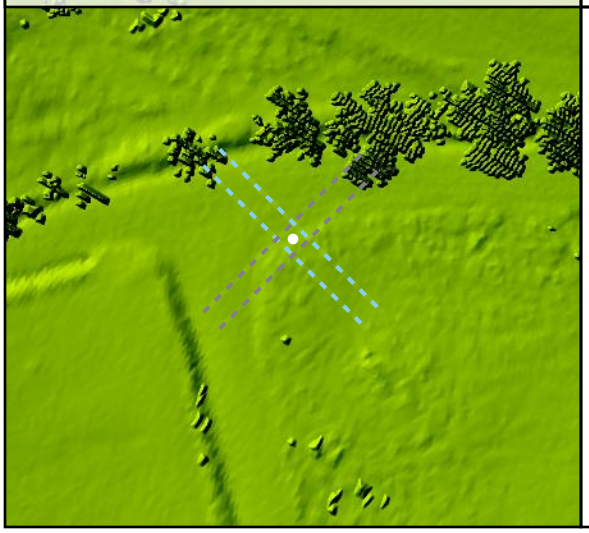
Intensity Raster



Southeast to Northwest



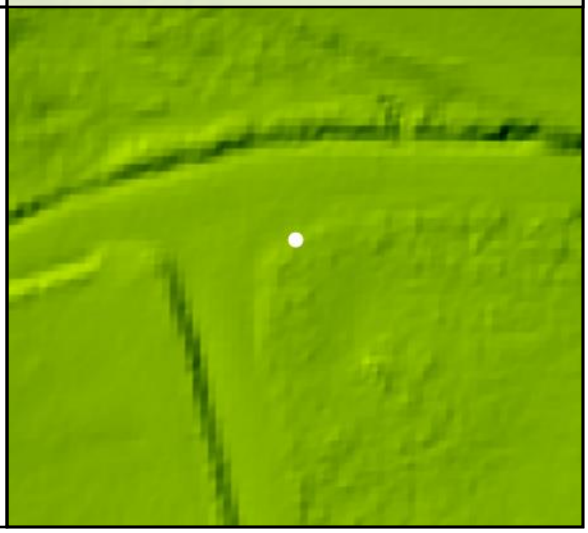
TIN Surface



Project Elevation



DEM Surface



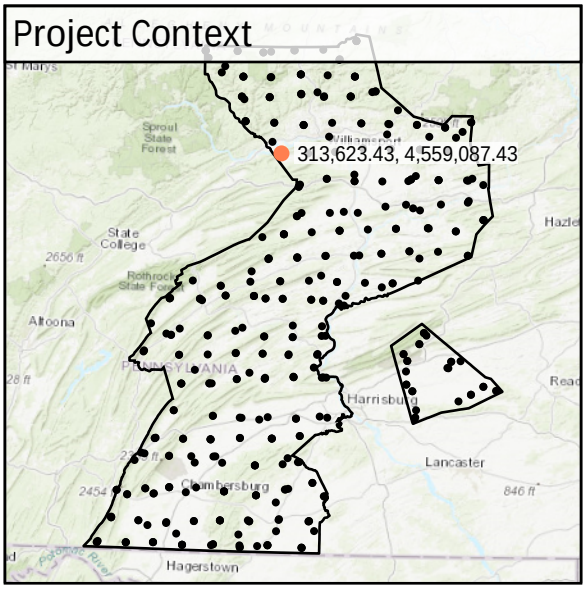
DEM Dz +0.05 m

NVA - BE13

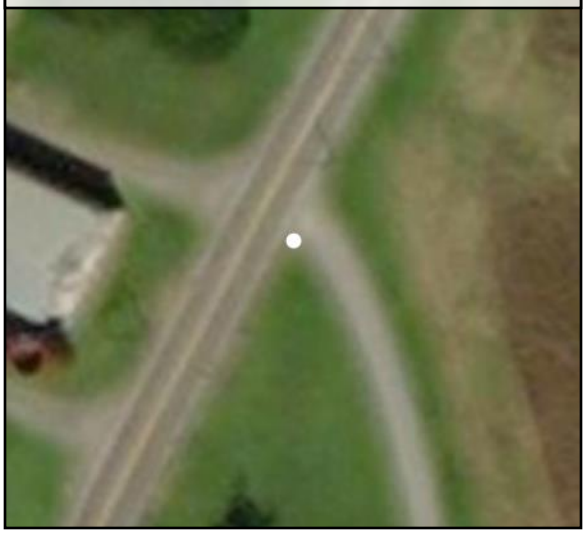
All Points TIN Dz +0.03 m

BE14				
	Known Z	194.82 m	Point Density	11.57 ppsm
	DEM Dz	-0.05 m	Ground Density	2.65 ppsm
	All Points TIN Dz	0.00 m	Slope	2.75 °

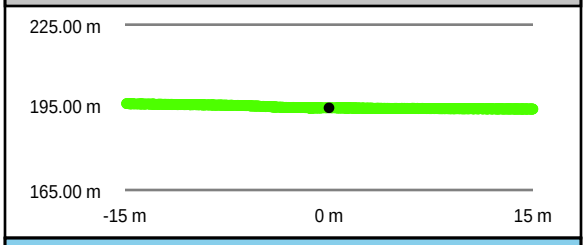
Project Context



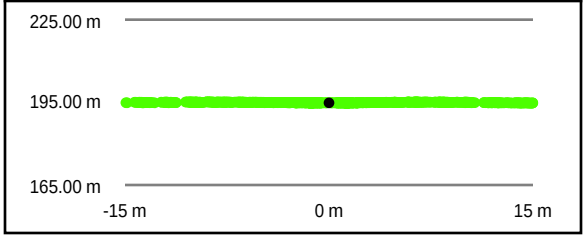
World Imagery



Southwest to Northeast



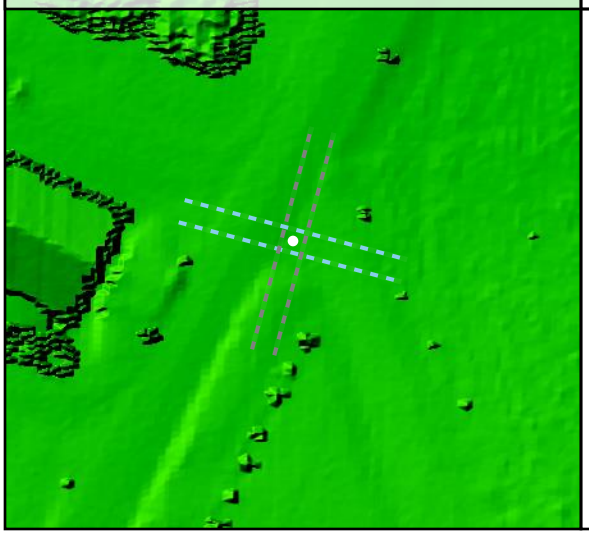
Southeast to Northwest



Intensity Raster



TIN Surface

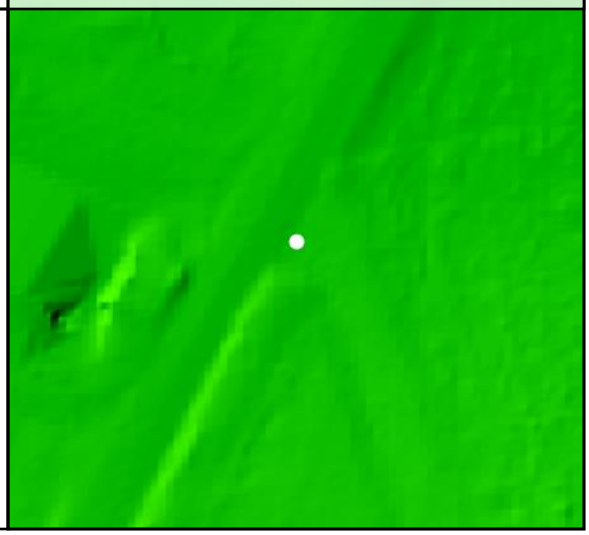


Project Elevation

716.97

103.02

DEM Surface



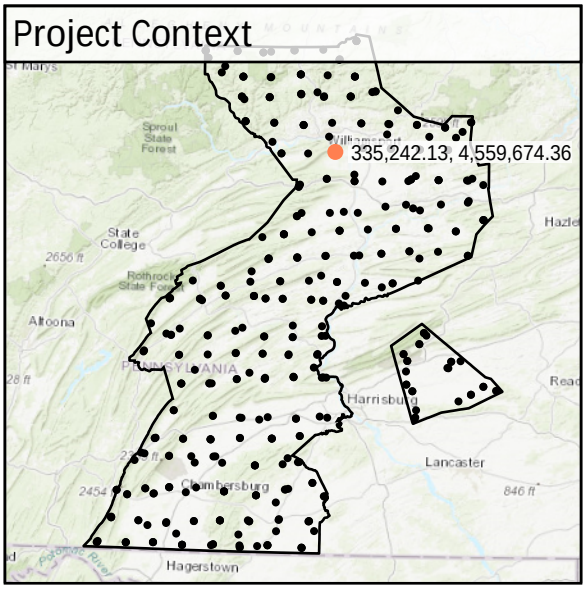
DEM Dz -0.05 m

NVA - BE14

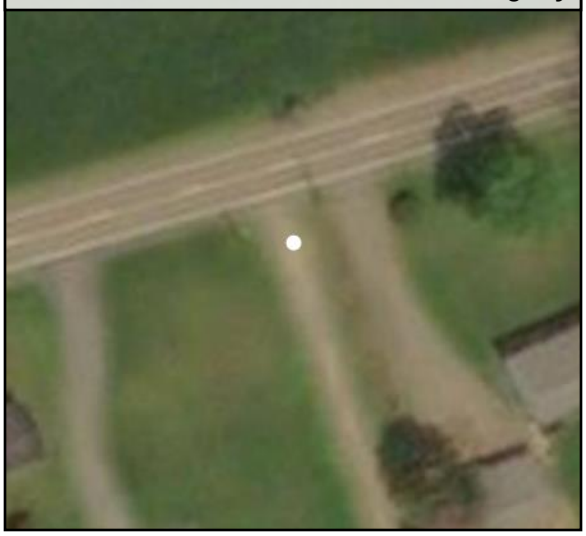
All Points TIN Dz +0.00 m

BE15				
	Known Z	206.25 m	Point Density	5.38 ppsm
	DEM Dz	0.04 m	Ground Density	2.33 ppsm
	All Points TIN Dz	0.02 m	Slope	2.80 °

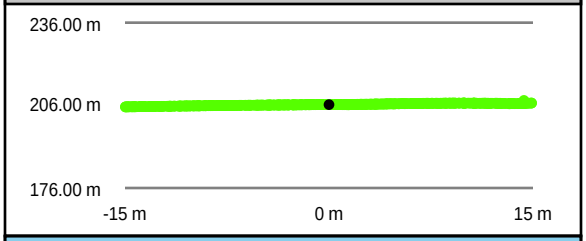
Project Context



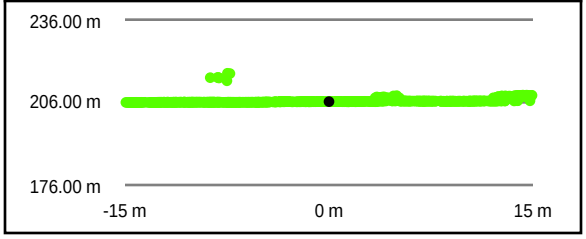
World Imagery



Southeast to Northwest



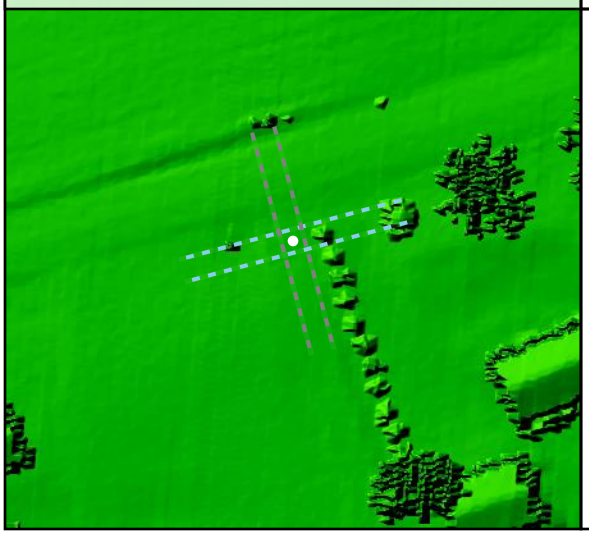
Southwest to Northeast



Intensity Raster



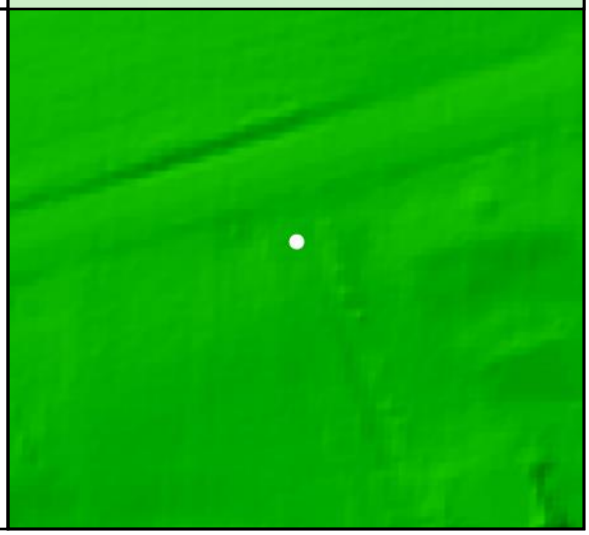
TIN Surface



Project Elevation



DEM Surface



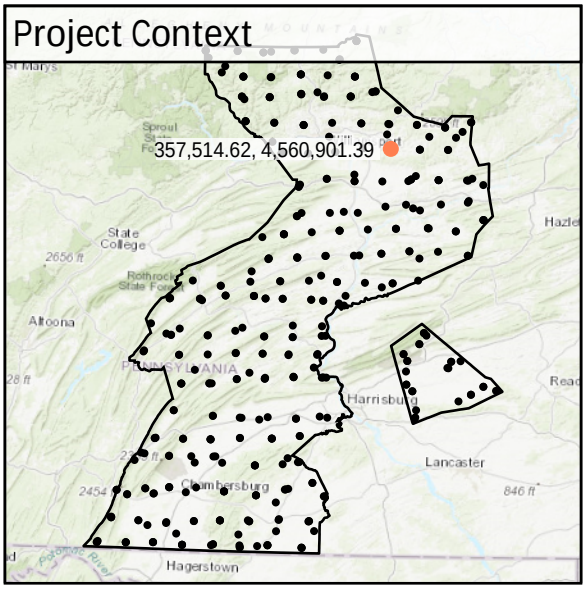
DEM Dz +0.04 m

NVA - BE15

All Points TIN Dz +0.02 m

BE16				
	Known Z	207.02 m	Point Density	7.36 ppsm
	DEM Dz	-0.01 m	Ground Density	2.41 ppsm
	All Points TIN Dz	-0.01 m	Slope	3.57 °

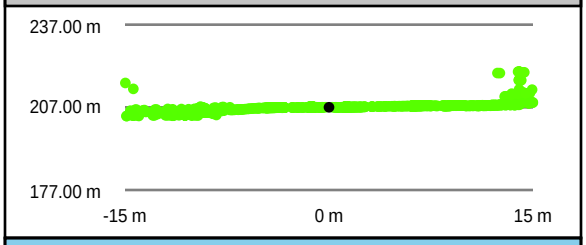
Project Context



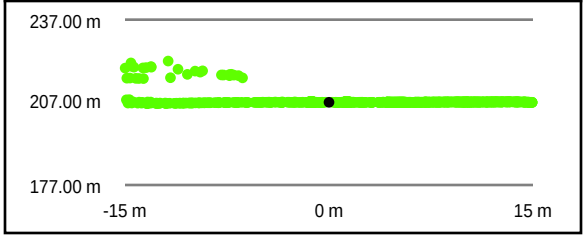
World Imagery



Southwest to Northeast



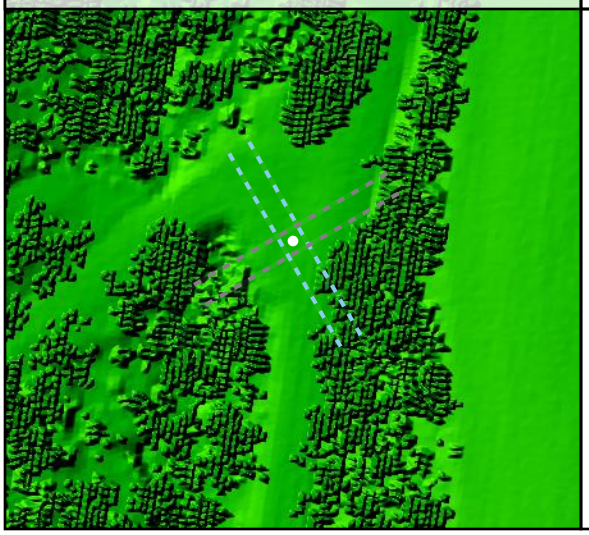
Southeast to Northwest



Intensity Raster



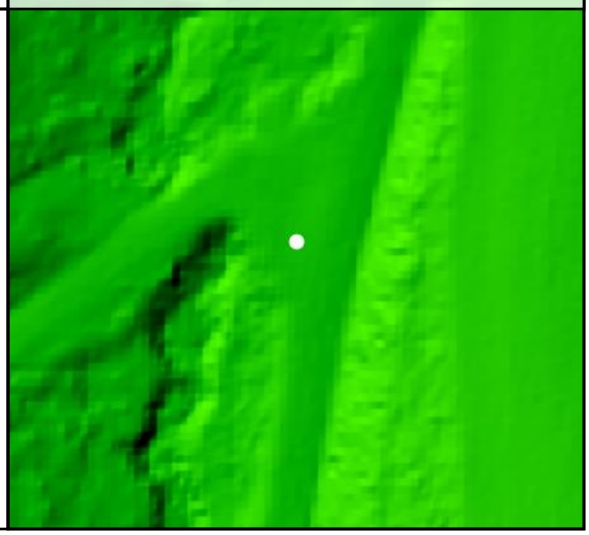
TIN Surface



Project Elevation



DEM Surface



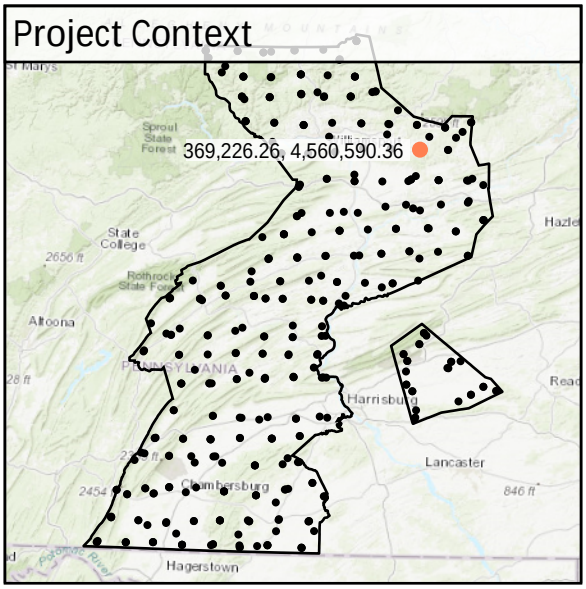
DEM Dz -0.01 m

NVA - BE16

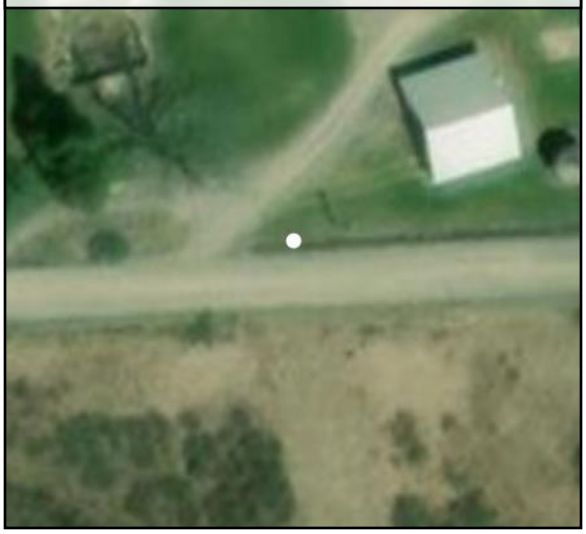
All Points TIN Dz -0.01 m

BE17				
	Known Z	284.39 m	Point Density	5.16 ppsm
	DEM Dz	0.00 m	Ground Density	2.16 ppsm
	All Points TIN Dz	0.01 m	Slope	3.27 °

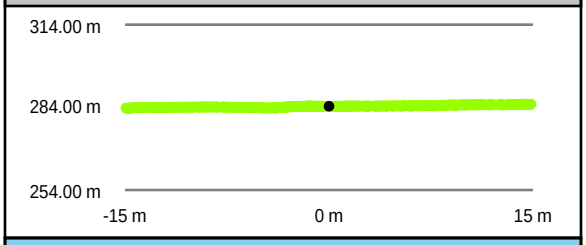
Project Context



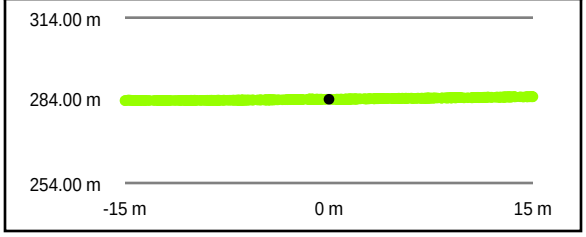
World Imagery



Southeast to Northwest



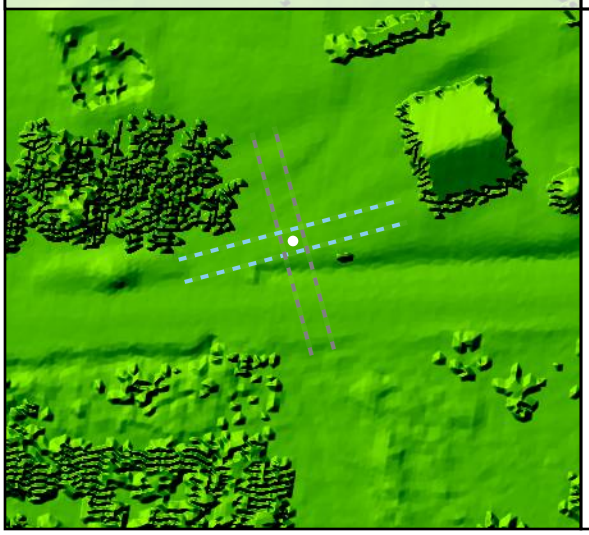
Southwest to Northeast



Intensity Raster



TIN Surface

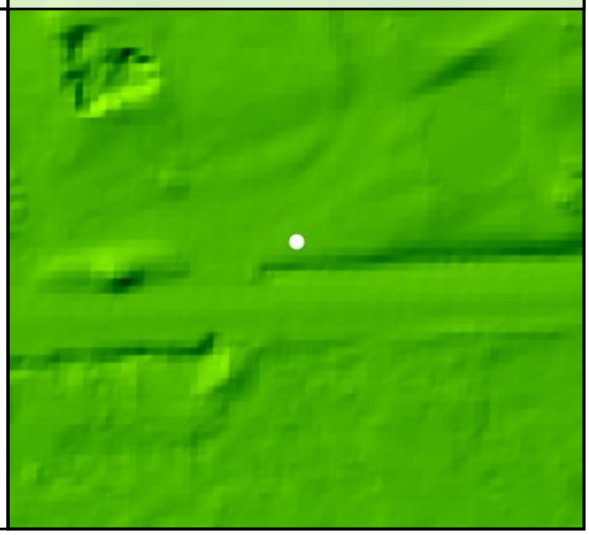


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.00 m

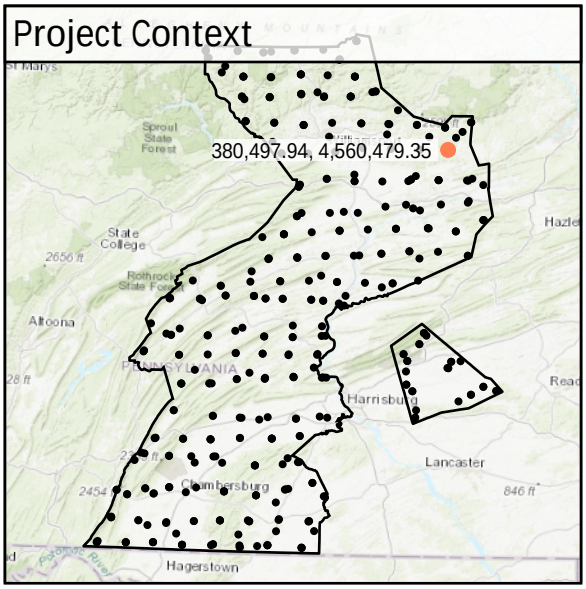
NVA - BE17

All Points TIN Dz +0.01 m

BE18

Known Z	259.25 m	Point Density	10.19 ppsm
DEM Dz	0.15 m	Ground Density	3.50 ppsm
All Points TIN Dz	0.14 m	Slope	4.44 °

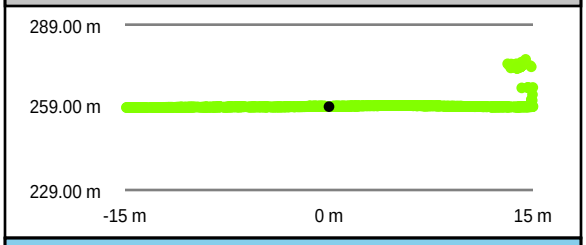
Project Context



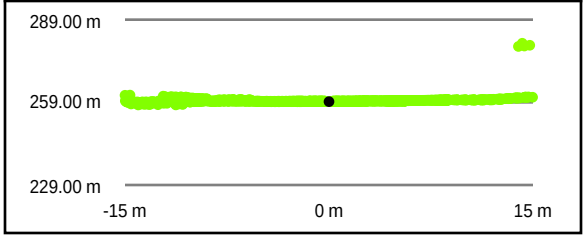
World Imagery



Southwest to Northeast



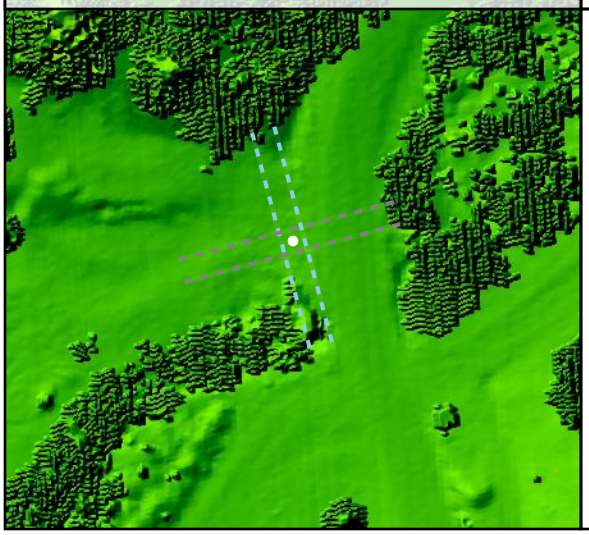
Southeast to Northwest



Intensity Raster



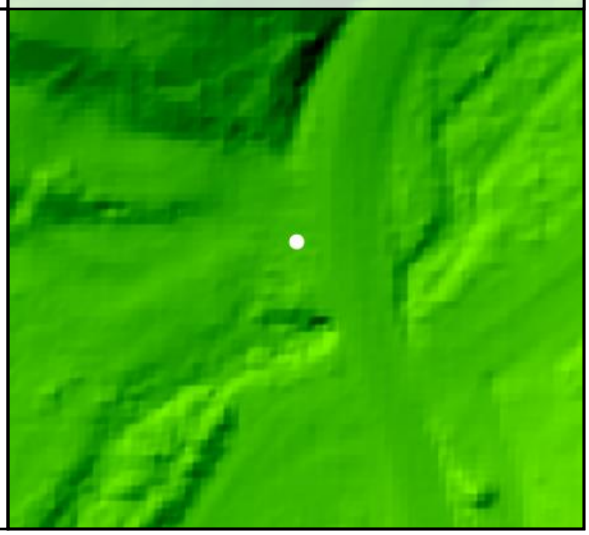
TIN Surface



Project Elevation



DEM Surface



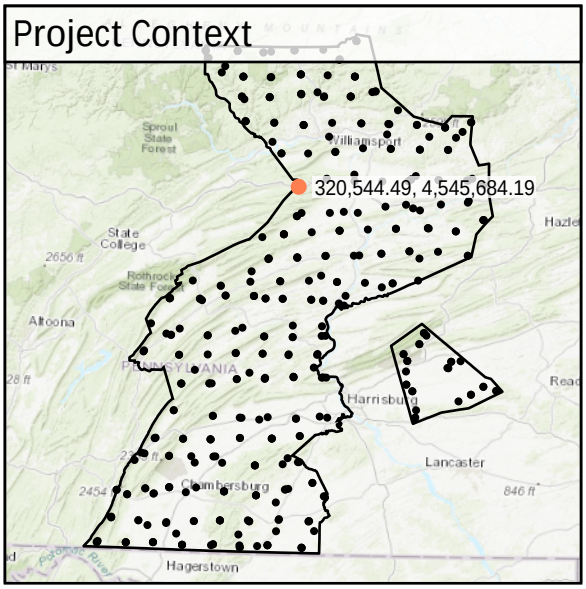
DEM Dz +0.15 m

NVA - BE18

All Points TIN Dz +0.14 m

BE19				
	Known Z	453.78 m	Point Density	7.67 ppsm
	DEM Dz	-0.04 m	Ground Density	4.03 ppsm
	All Points TIN Dz	-0.04 m	Slope	4.08 °

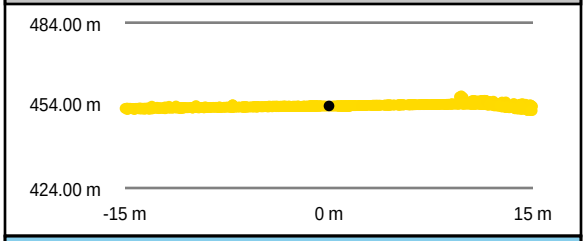
Project Context



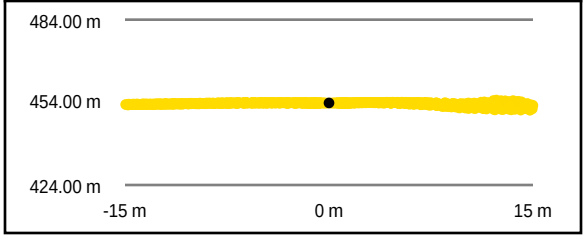
World Imagery



Southeast to Northwest



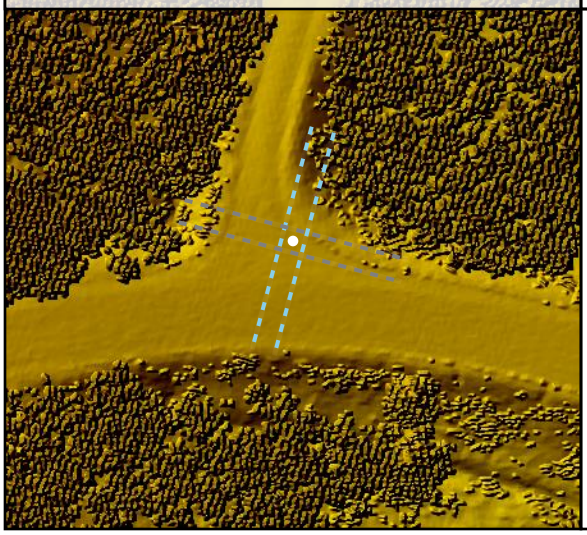
Southwest to Northeast



Intensity Raster



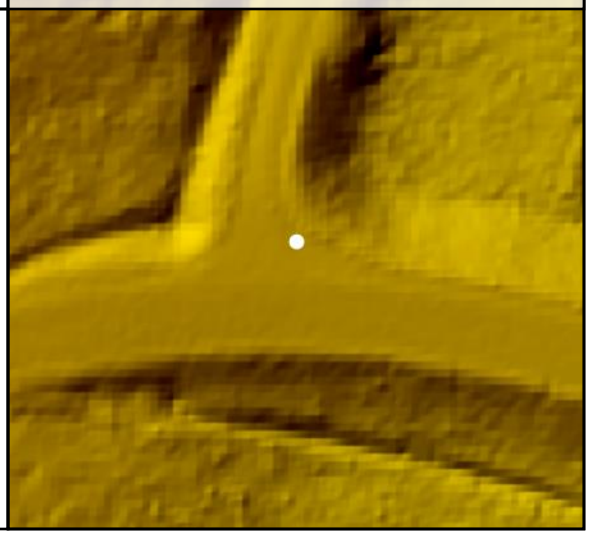
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.04 m

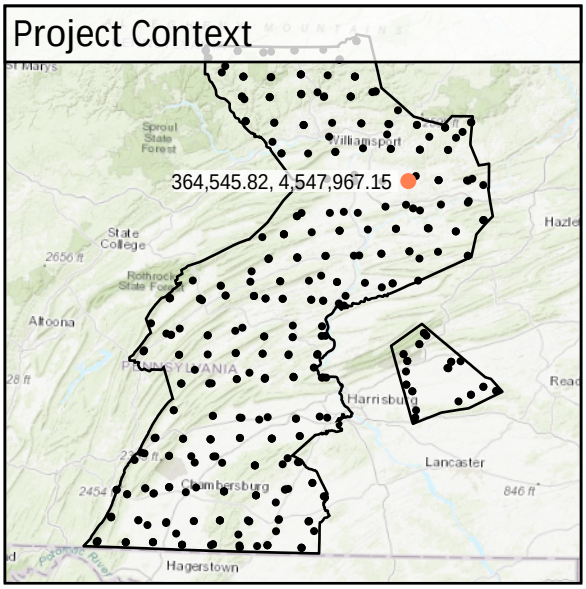
NVA - BE19

All Points TIN Dz -0.04 m

BE20

Known Z	167.70 m	Point Density	2.48 ppsm
DEM Dz	0.01 m	Ground Density	2.48 ppsm
All Points TIN Dz	0.00 m	Slope	0.57 °

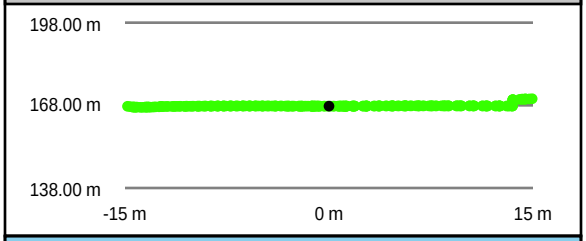
Project Context



World Imagery



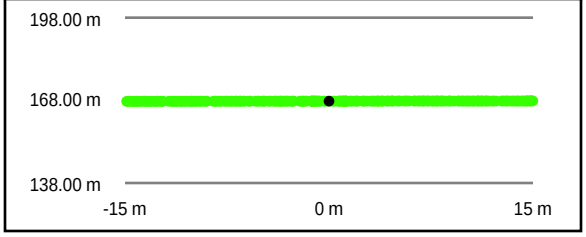
Southeast to Northwest



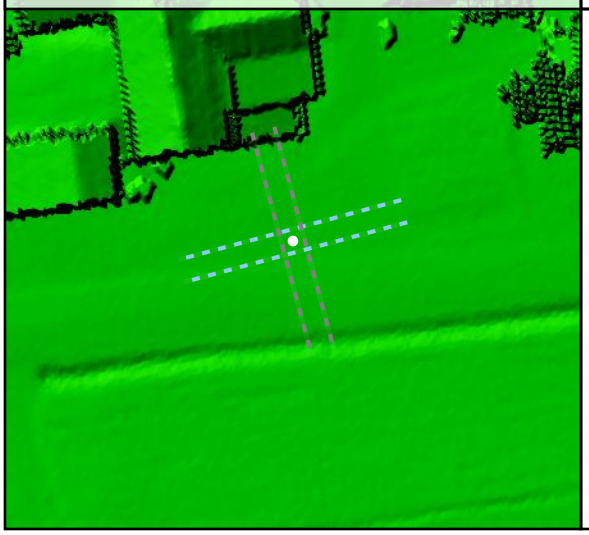
Intensity Raster



Southwest to Northeast



TIN Surface

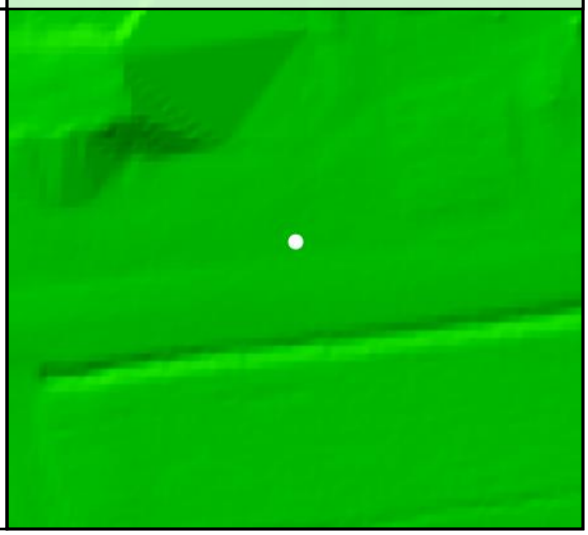


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.01 m

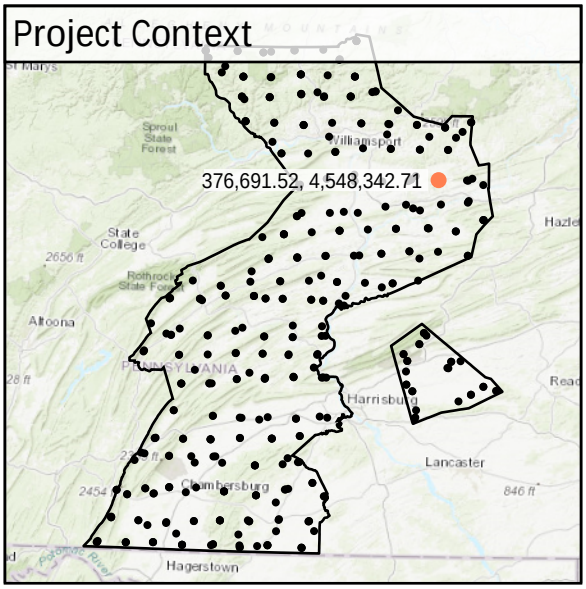
NVA - BE20

All Points TIN Dz 0.00 m

BE21

Known Z	252.15 m	Point Density	4.24 ppsm
DEM Dz	0.02 m	Ground Density	4.24 ppsm
All Points TIN Dz	0.01 m	Slope	9.44 °

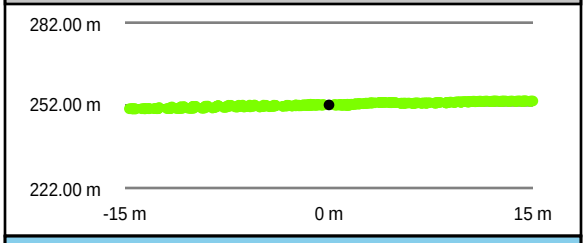
Project Context



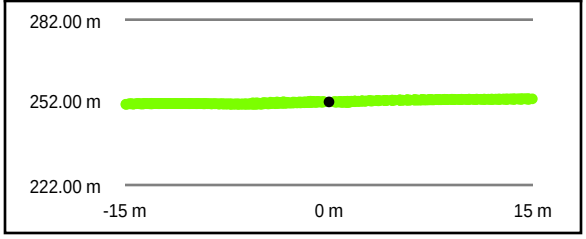
World Imagery



Southeast to Northwest



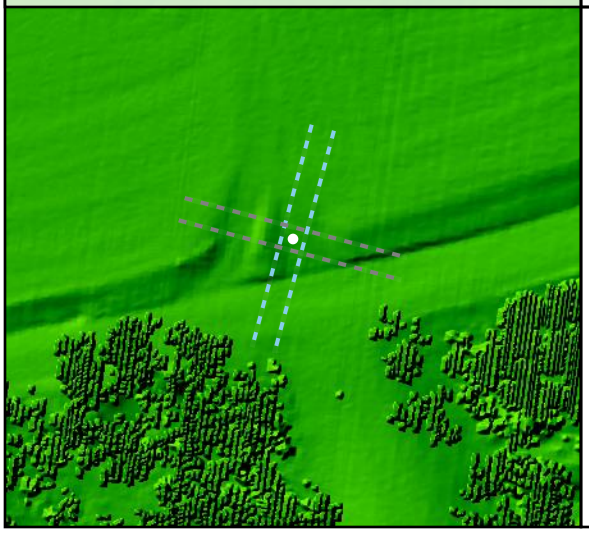
Southwest to Northeast



Intensity Raster



TIN Surface

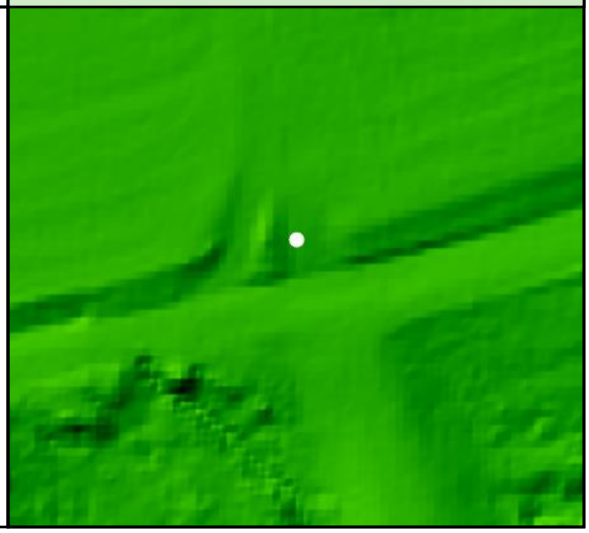


Project Elevation

716.97

103.02

DEM Surface



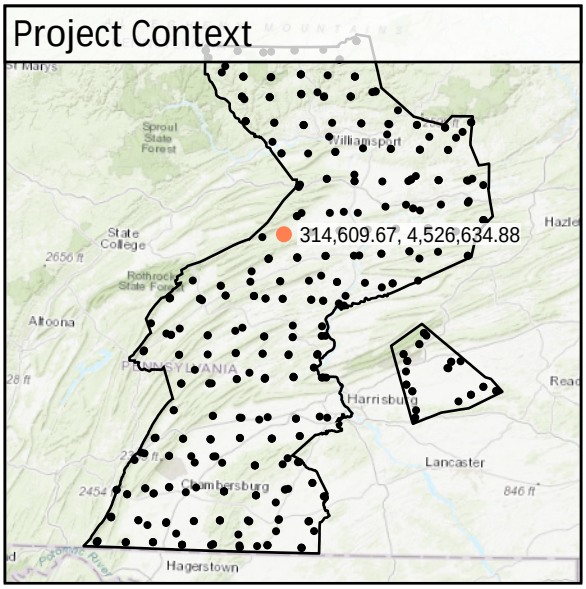
DEM Dz +0.02 m

NVA - BE21

All Points TIN Dz +0.01 m

BE22				
	Known Z	184.76 m	Point Density	6.44 ppsm
	DEM Dz	0.00 m	Ground Density	3.29 ppsm
	All Points TIN Dz	0.01 m	Slope	1.92 °

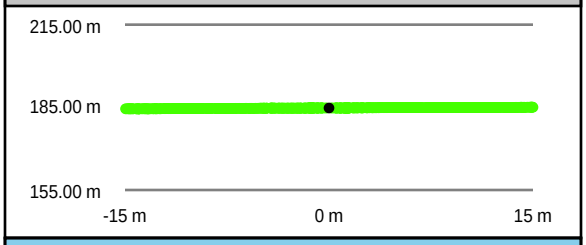
Project Context



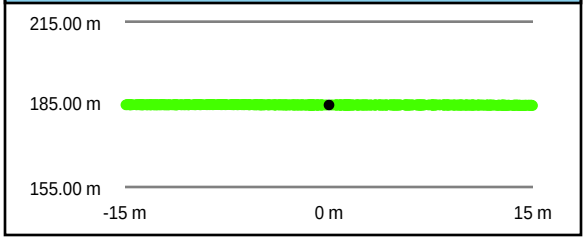
World Imagery



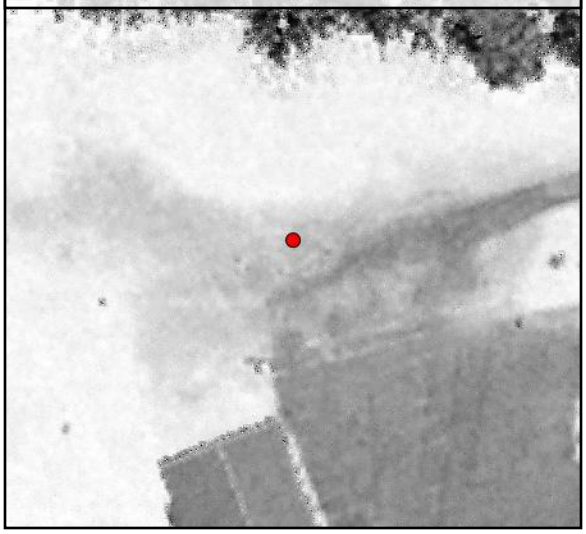
Southeast to Northwest



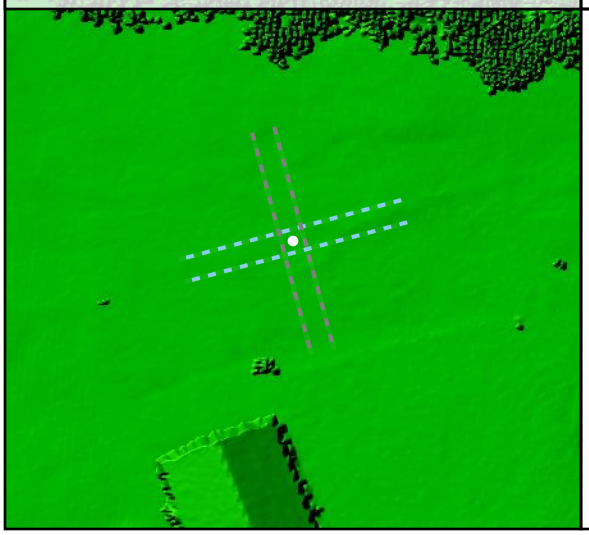
Southwest to Northeast



Intensity Raster



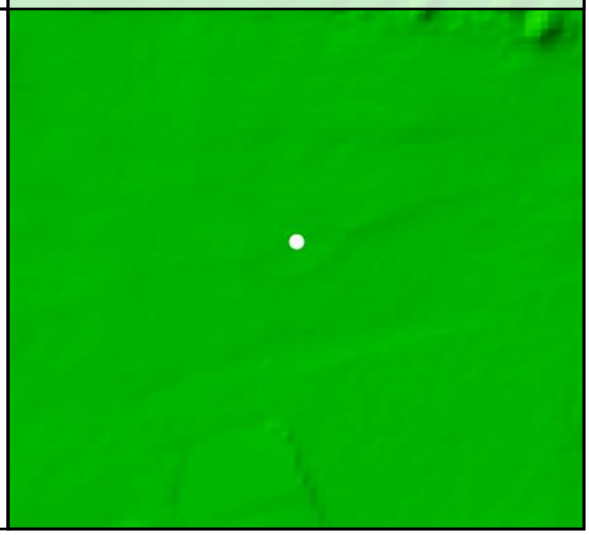
TIN Surface



Project Elevation



DEM Surface



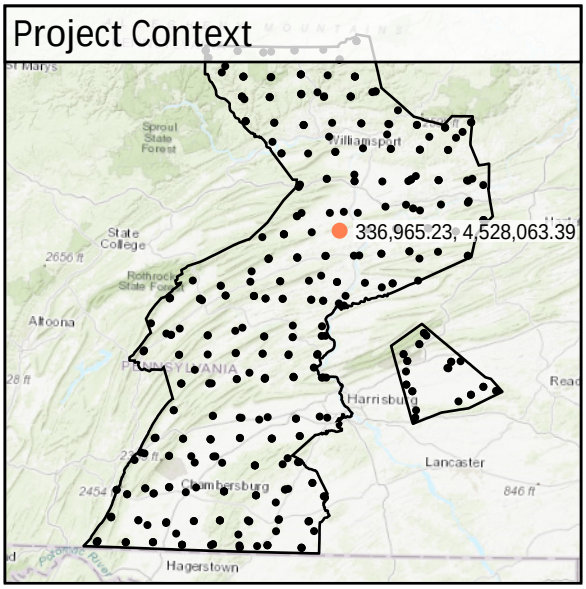
DEM Dz 0.00 m

NVA - BE22

All Points TIN Dz +0.01 m

BE23				
	Known Z	162.80 m	Point Density	7.18 ppsm
	DEM Dz	-0.04 m	Ground Density	4.28 ppsm
	All Points TIN Dz	-0.04 m	Slope	2.02 °

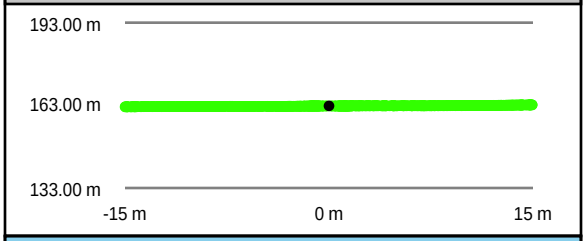
Project Context



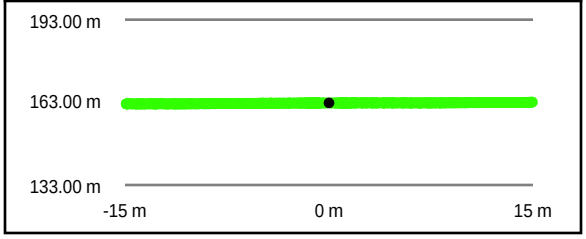
World Imagery



South to North



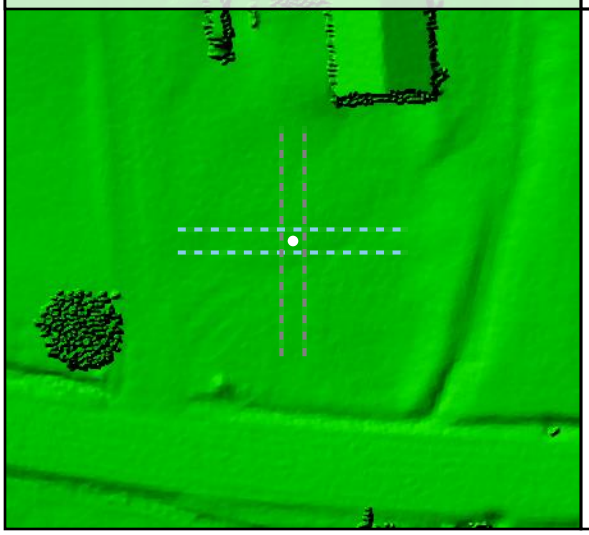
West to East



Intensity Raster



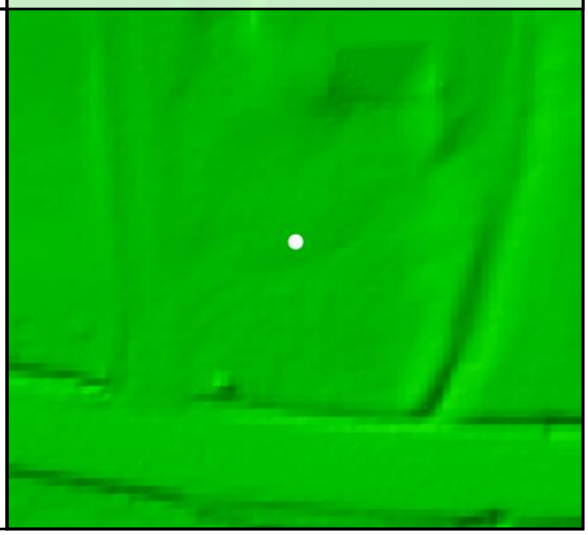
TIN Surface



Project Elevation



DEM Surface



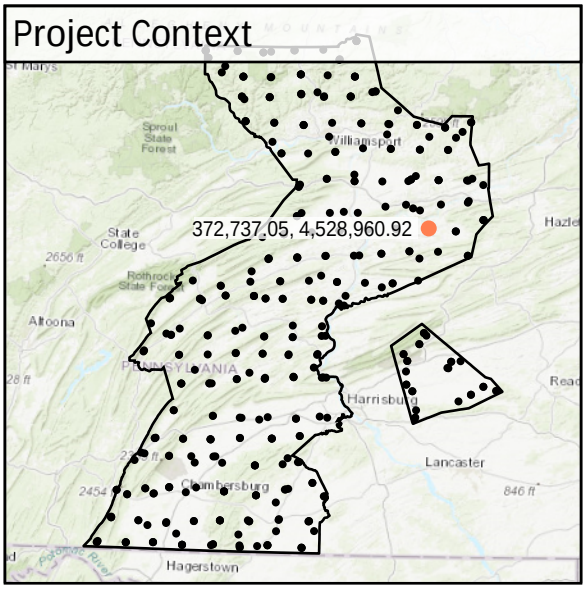
DEM Dz -0.04 m

NVA - BE23

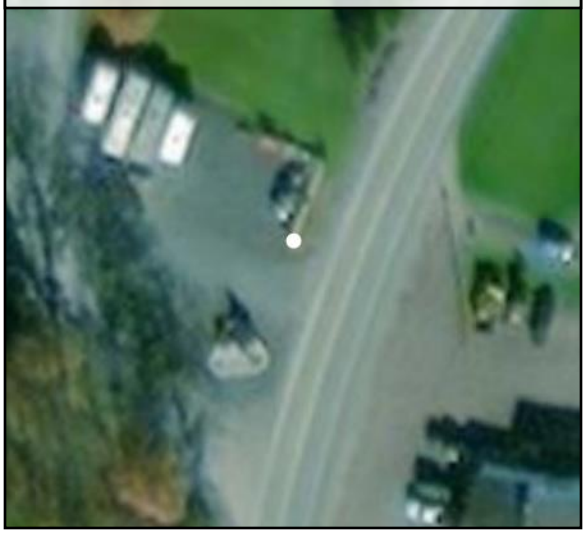
All Points TIN Dz -0.04 m

BE24				
	Known Z	173.06 m	Point Density	6.44 ppsm
	DEM Dz	0.00 m	Ground Density	3.57 ppsm
	All Points TIN Dz	0.00 m	Slope	1.41 °

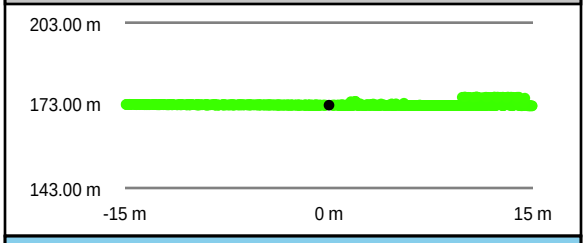
Project Context



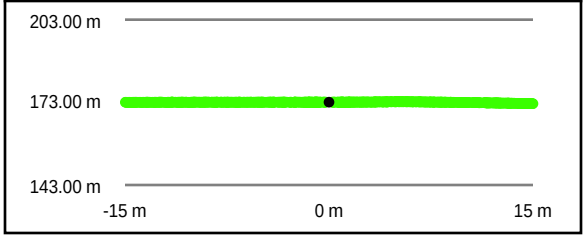
World Imagery



South to North



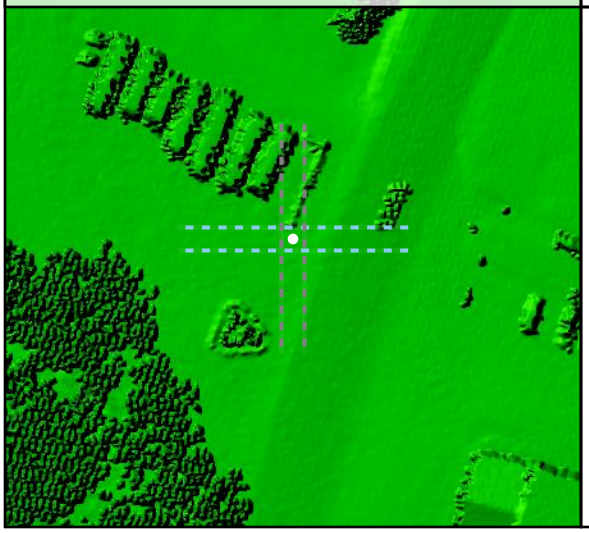
West to East



Intensity Raster



TIN Surface

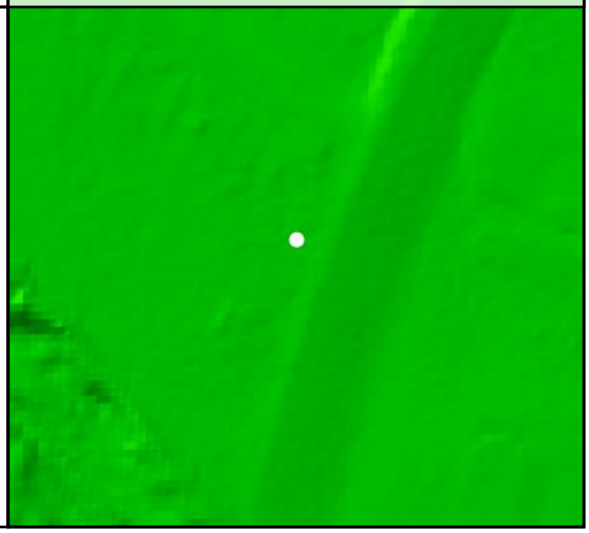


Project Elevation

716.97

103.02

DEM Surface



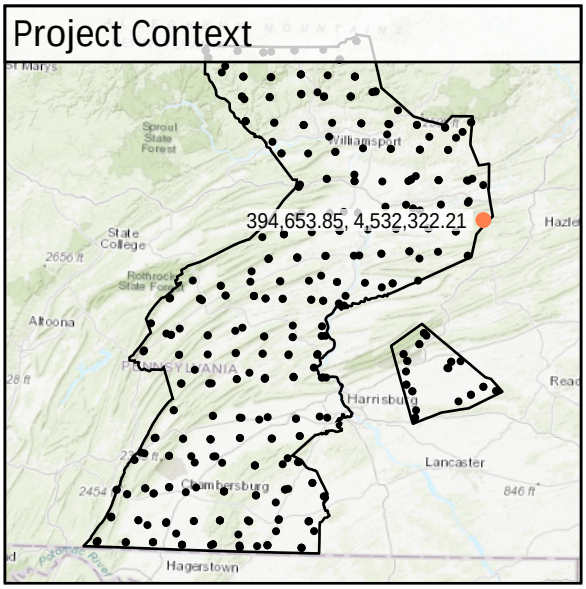
DEM Dz +0.00 m

NVA - BE24

All Points TIN Dz +0.00 m

BE25				
	Known Z	344.90 m	Point Density	5.45 ppsm
	DEM Dz	-0.04 m	Ground Density	2.65 ppsm
	All Points TIN Dz	-0.04 m	Slope	5.74 °

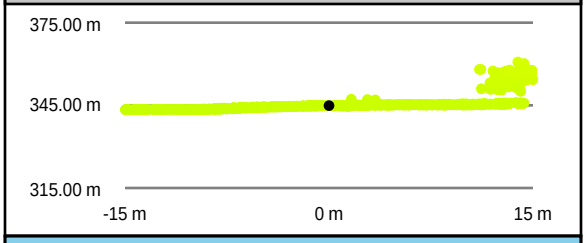
Project Context



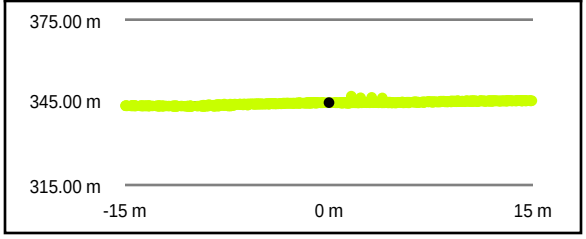
World Imagery



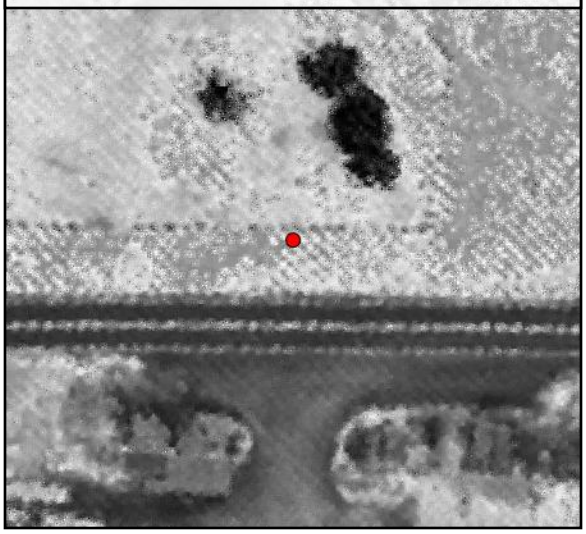
Southwest to Northeast



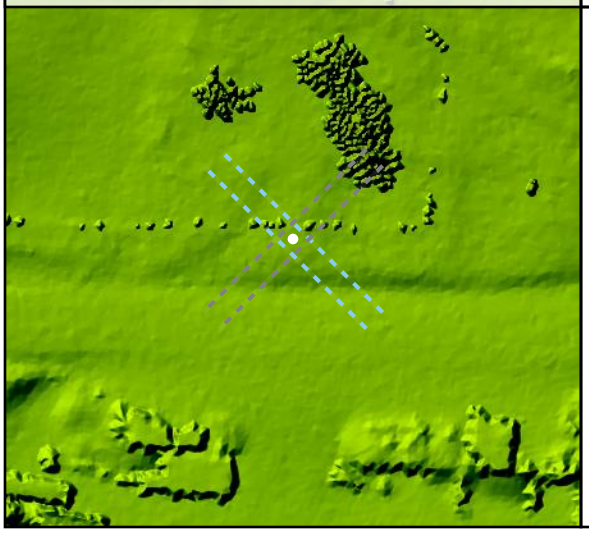
Southeast to Northwest



Intensity Raster



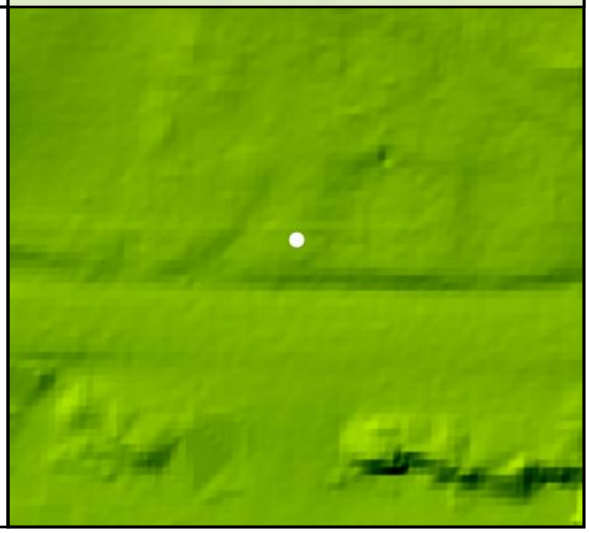
TIN Surface



Project Elevation



DEM Surface



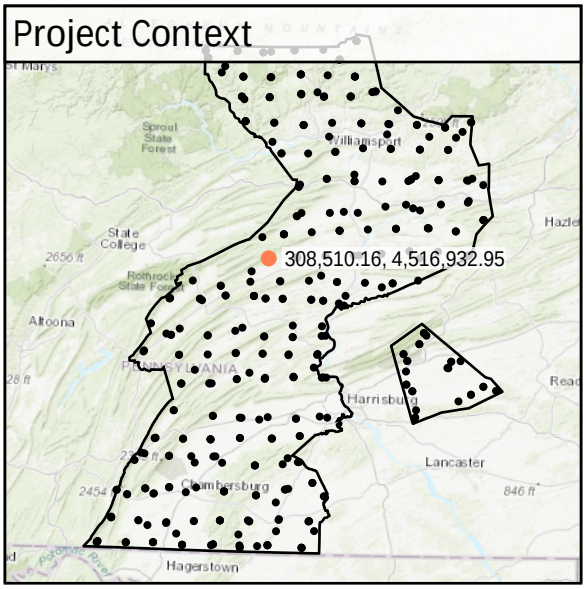
DEM Dz -0.04 m

NVA - BE25

All Points TIN Dz -0.04 m

BE26				
	Known Z	224.74 m	Point Density	5.27 ppsm
	DEM Dz	-0.11 m	Ground Density	2.48 ppsm
	All Points TIN Dz	-0.14 m	Slope	6.78 °

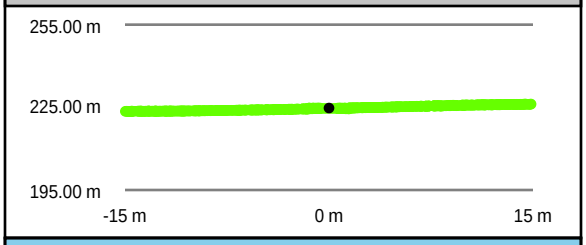
Project Context



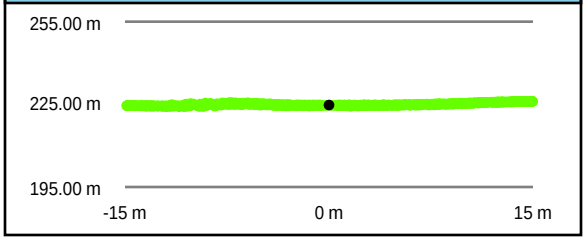
World Imagery



Southwest to Northeast



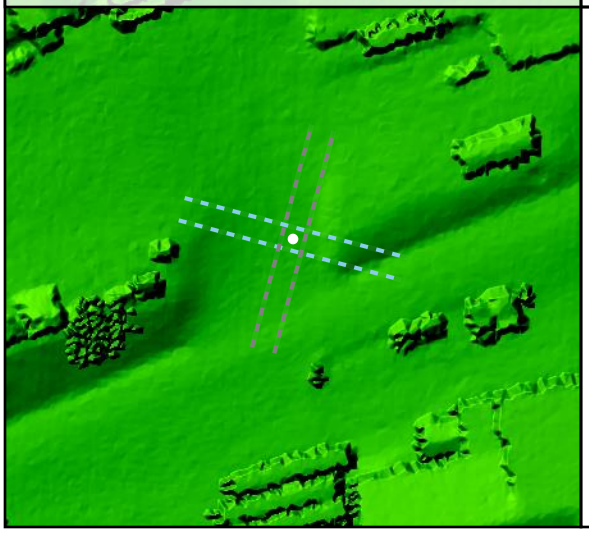
Southeast to Northwest



Intensity Raster



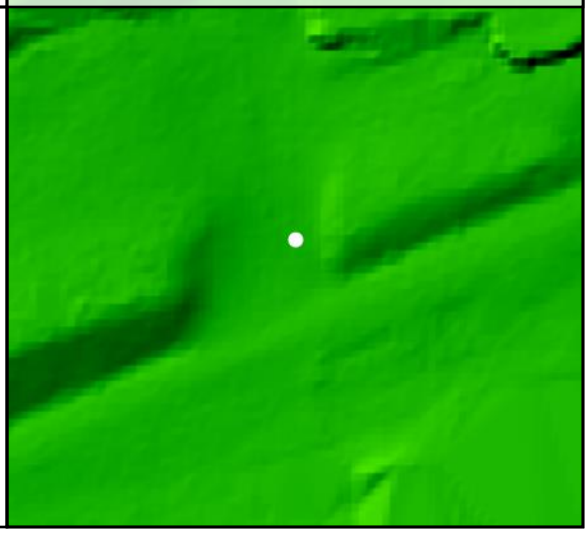
TIN Surface



Project Elevation



DEM Surface



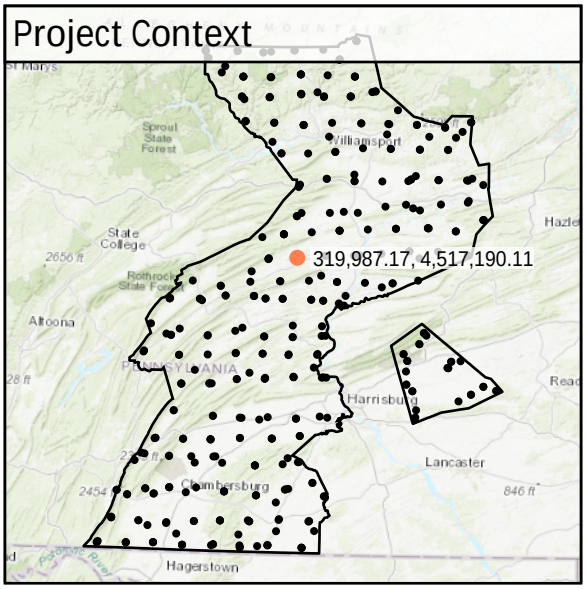
DEM Dz -0.11 m

NVA - BE26

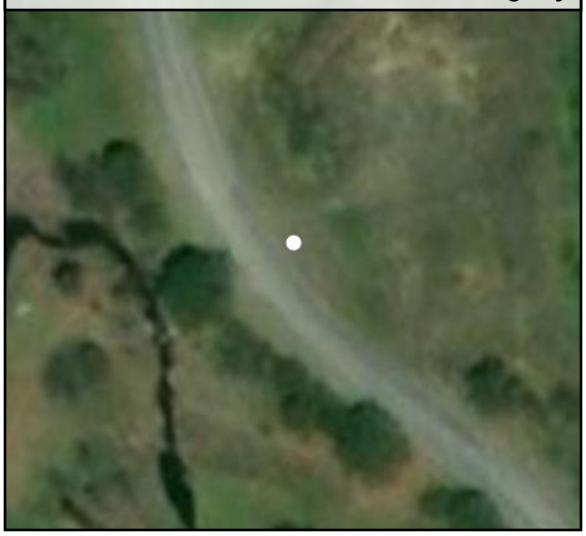
All Points TIN Dz -0.14 m

BE27				
	Known Z	179.17 m	Point Density	4.85 ppsm
	DEM Dz	-0.10 m	Ground Density	2.26 ppsm
	All Points TIN Dz	-0.10 m	Slope	5.74 °

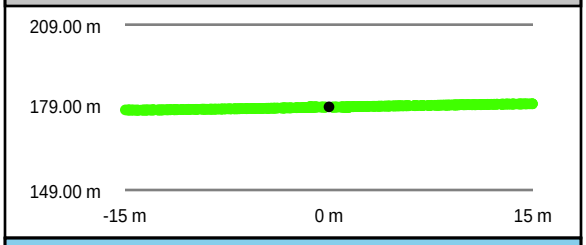
Project Context



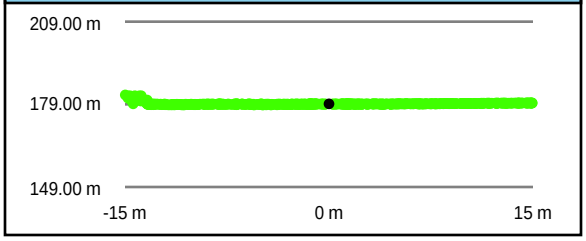
World Imagery



Southeast to Northwest



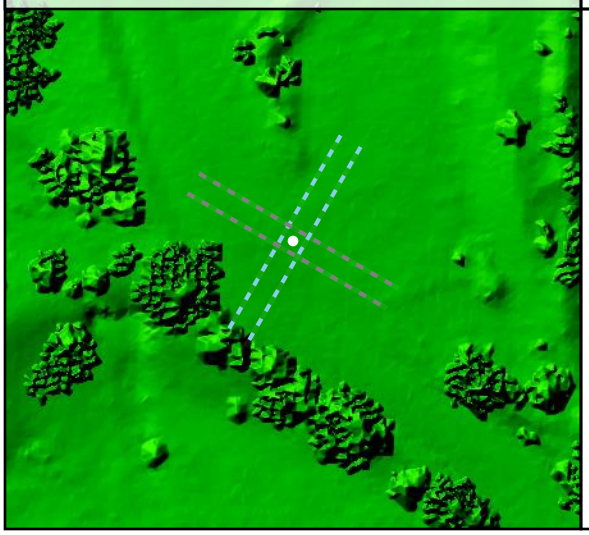
Southwest to Northeast



Intensity Raster



TIN Surface

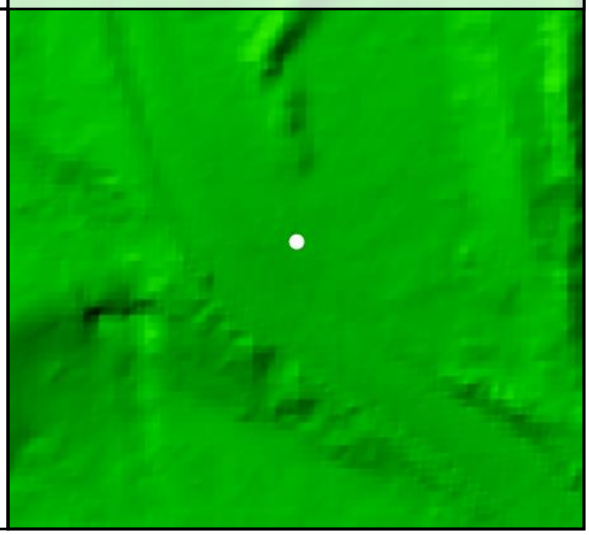


Project Elevation

716.97

103.02

DEM Surface



DEM Dz -0.10 m

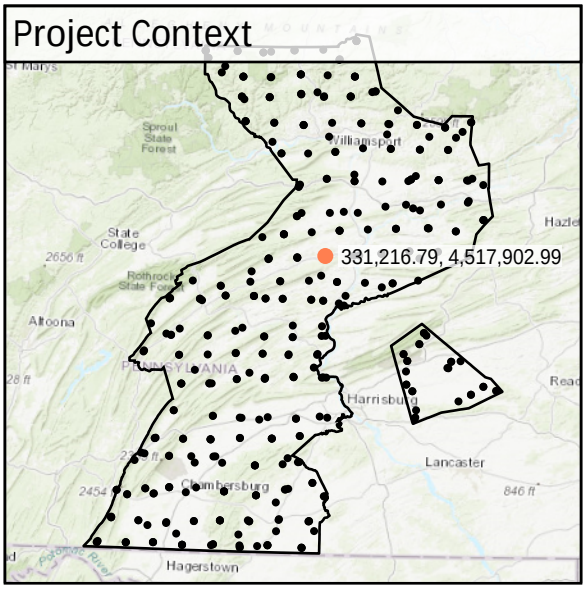
NVA - BE27

All Points TIN Dz -0.10 m

BE28

Known Z	162.48 m	Point Density	5.06 ppsm
DEM Dz	-0.15 m	Ground Density	2.58 ppsm
All Points TIN Dz	-0.15 m	Slope	0.92 °

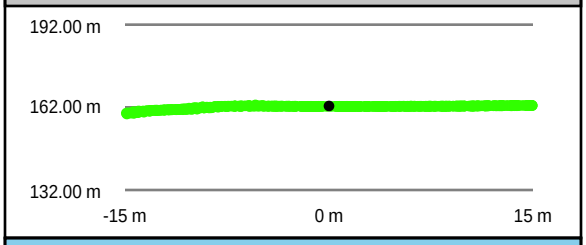
Project Context



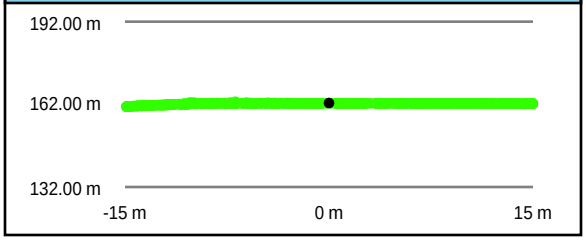
World Imagery



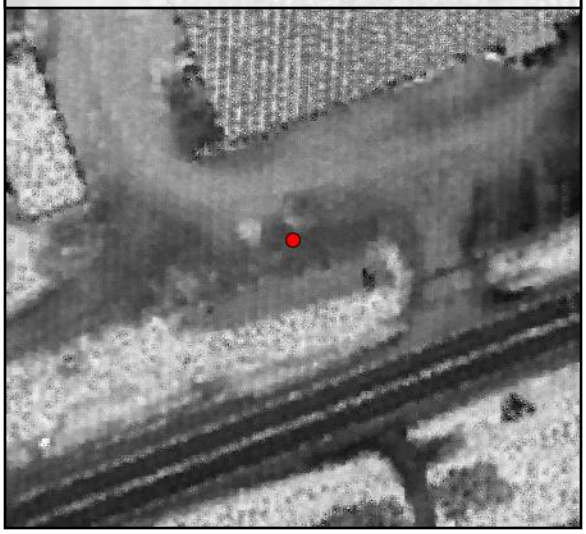
Southwest to Northeast



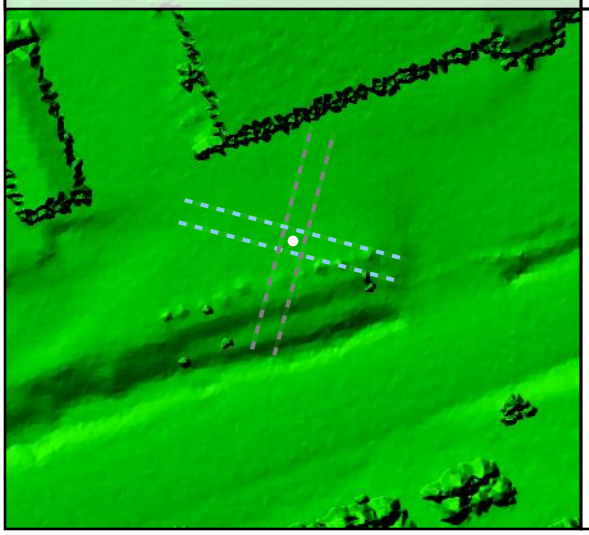
Southeast to Northwest



Intensity Raster



TIN Surface

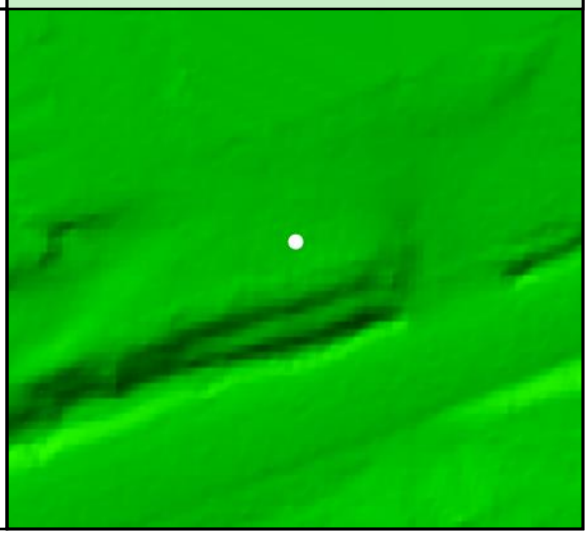


Project Elevation

716.97

103.02

DEM Surface



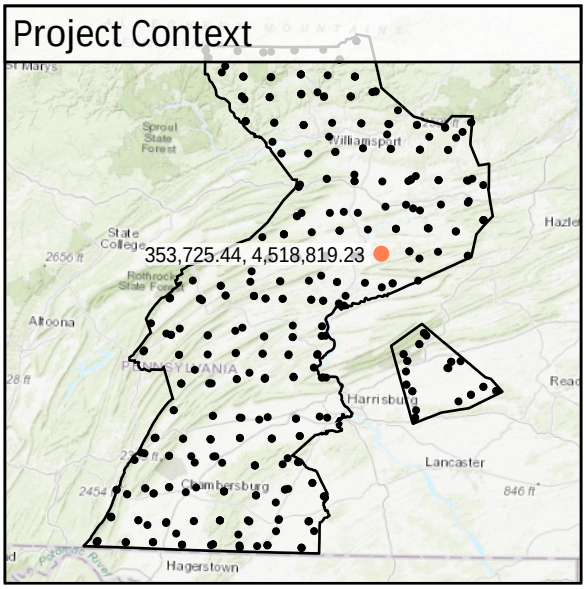
DEM Dz -0.15 m

NVA - BE28

All Points TIN Dz -0.15 m

BE29				
	Known Z	215.13 m	Point Density	2.41 ppsm
	DEM Dz	-0.12 m	Ground Density	2.41 ppsm
	All Points TIN Dz	-0.13 m	Slope	7.73 °

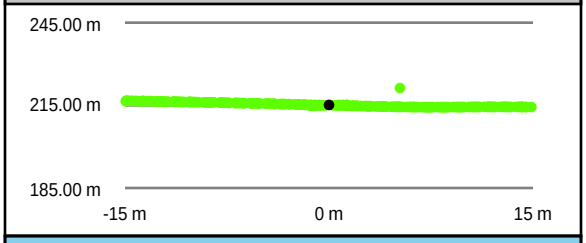
Project Context



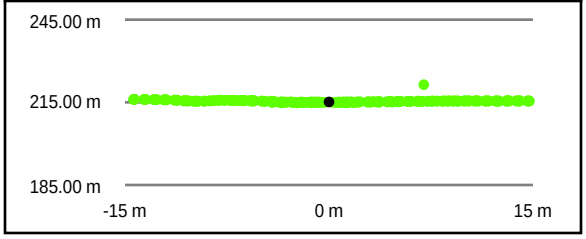
World Imagery



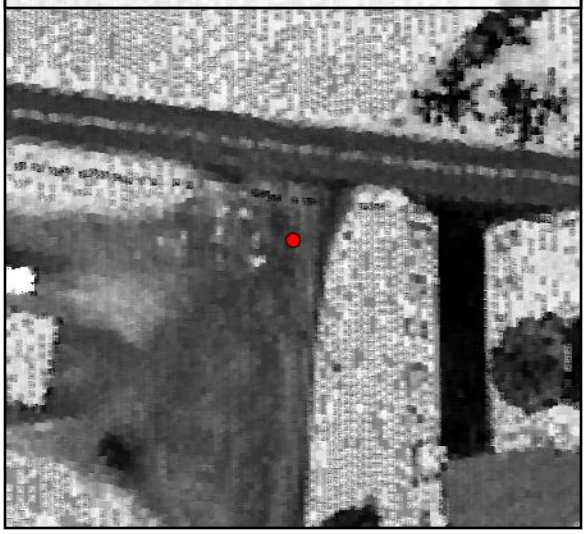
South to North



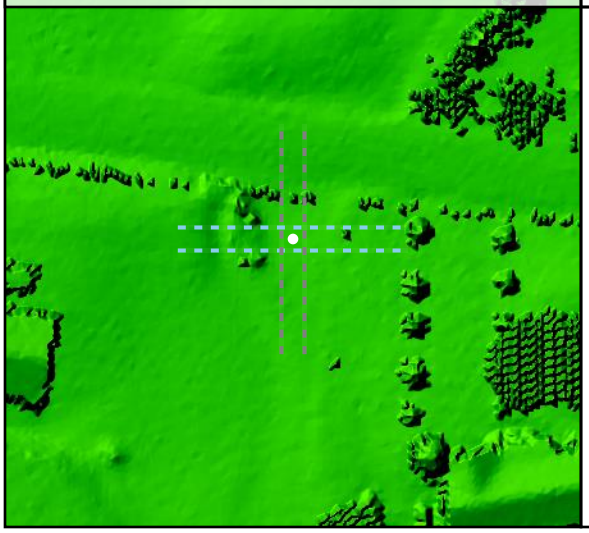
West to East



Intensity Raster



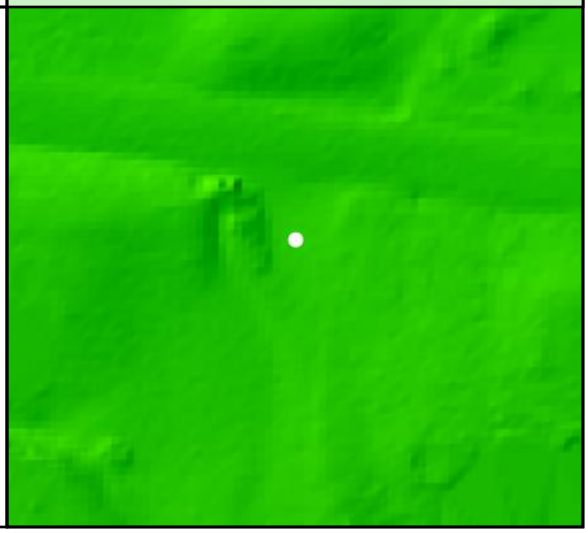
TIN Surface



Project Elevation



DEM Surface



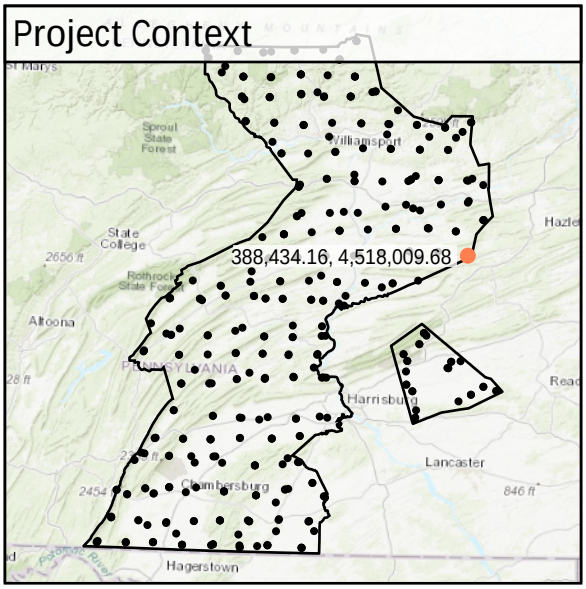
DEM Dz -0.12 m

NVA - BE29

All Points TIN Dz -0.13 m

BE30				
	Known Z	403.80 m	Point Density	5.55 ppsm
	DEM Dz	-0.07 m	Ground Density	2.76 ppsm
	All Points TIN Dz	-0.04 m	Slope	1.04 °

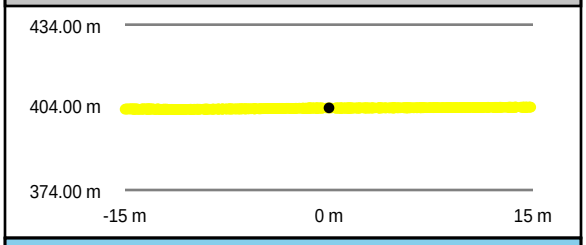
Project Context



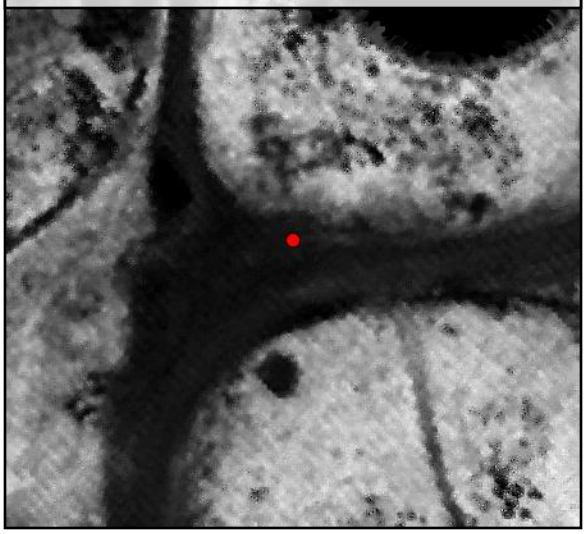
World Imagery



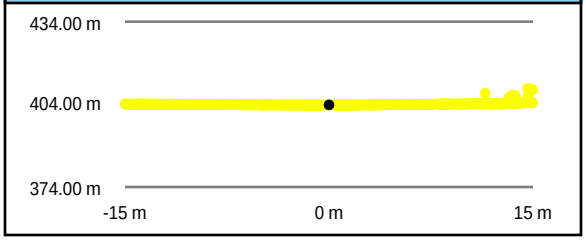
Southeast to Northwest



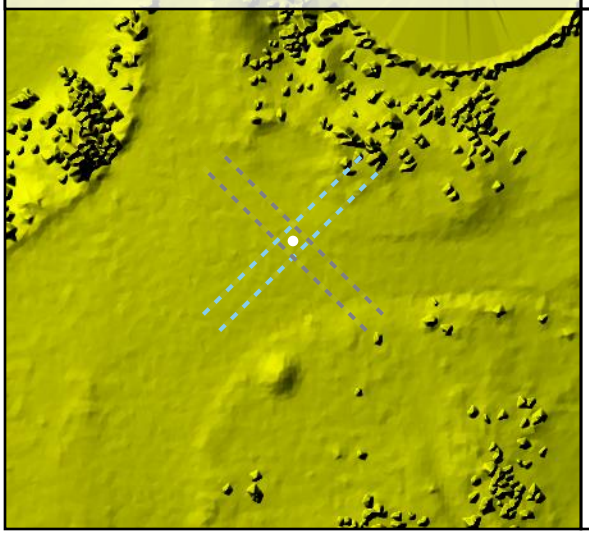
Intensity Raster



Southwest to Northeast



TIN Surface

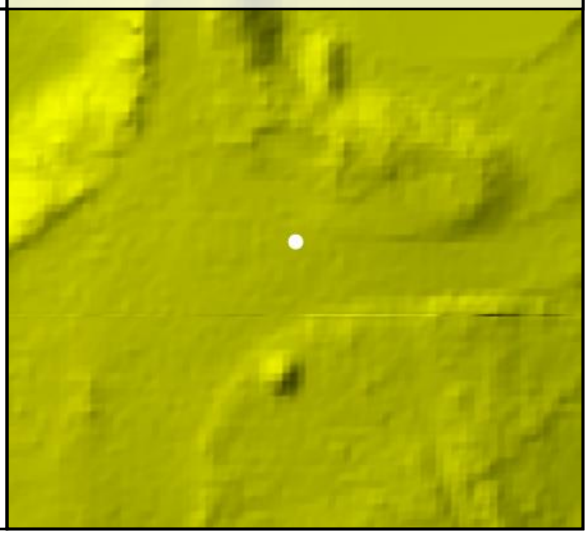


Project Elevation

716.97

103.02

DEM Surface



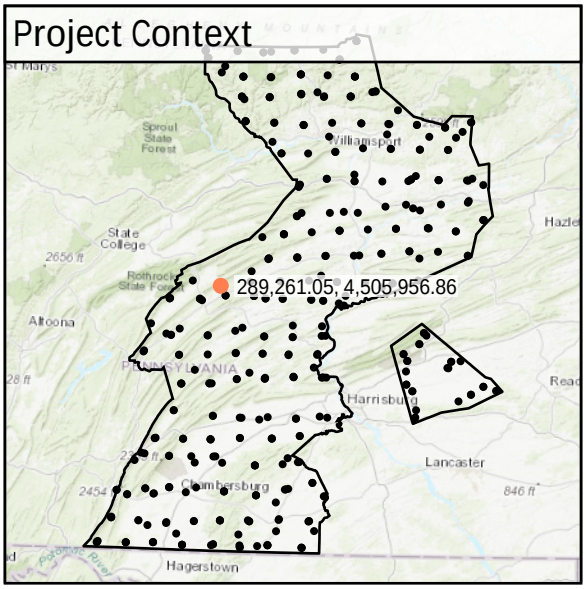
DEM Dz -0.07 m

NVA - BE30

All Points TIN Dz -0.04 m

BE31				
	Known Z	234.20 m	Point Density	4.99 ppsm
	DEM Dz	-0.11 m	Ground Density	2.48 ppsm
	All Points TIN Dz	-0.13 m	Slope	2.78 °

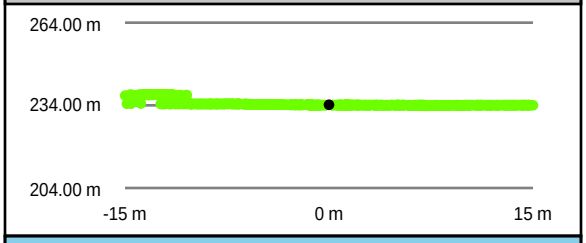
Project Context



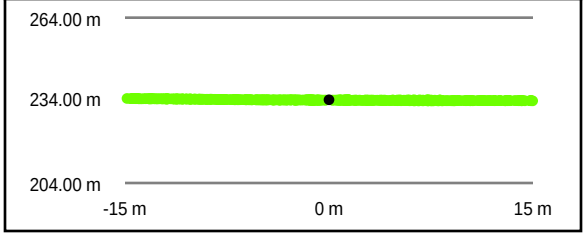
World Imagery



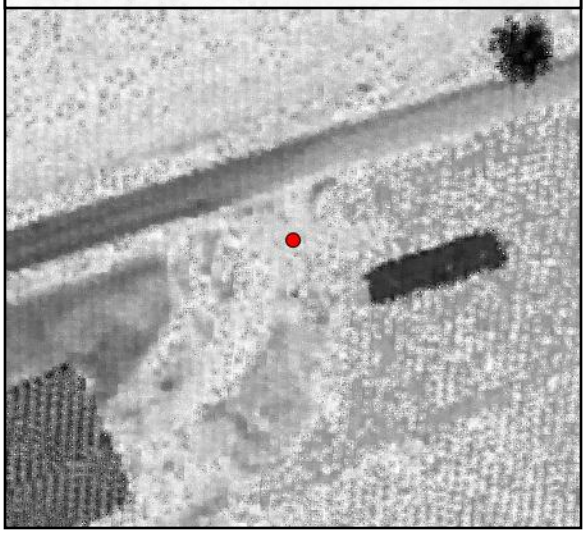
Southeast to Northwest



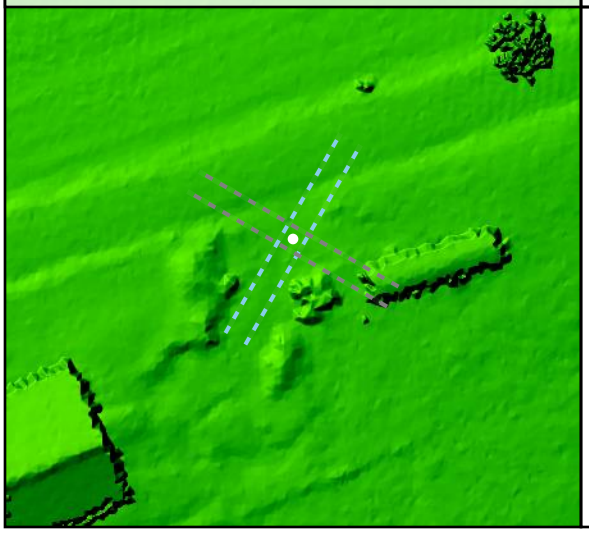
Southwest to Northeast



Intensity Raster



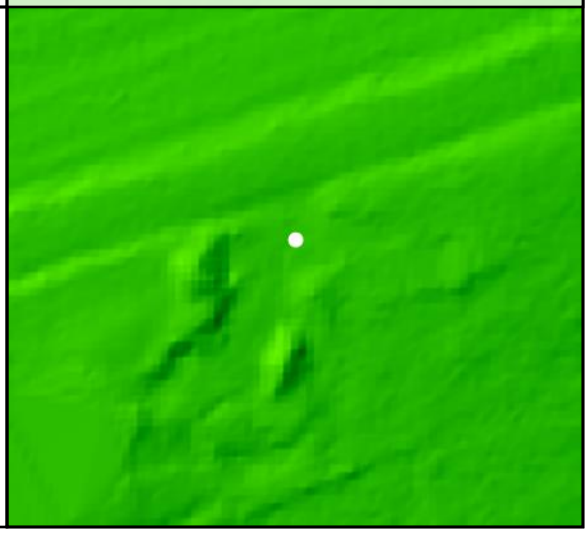
TIN Surface



Project Elevation



DEM Surface



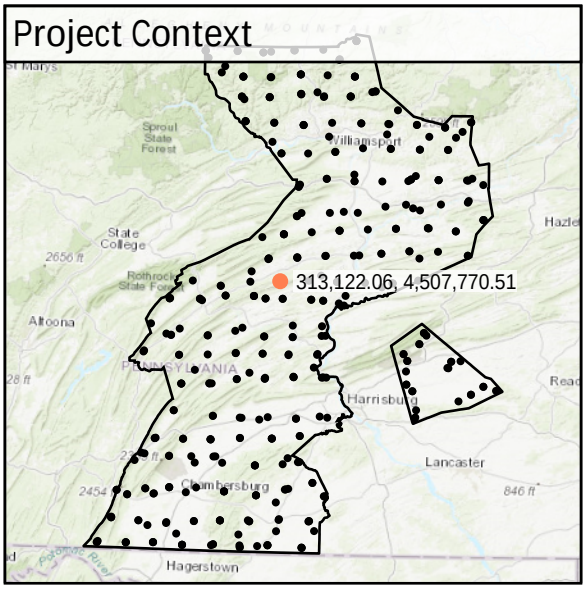
DEM Dz -0.11 m

NVA - BE31

All Points TIN Dz -0.13 m

BE32				
	Known Z	648.36 m	Point Density	3.04 ppsm
	DEM Dz	-0.05 m	Ground Density	3.04 ppsm
	All Points TIN Dz	-0.05 m	Slope	4.56 °

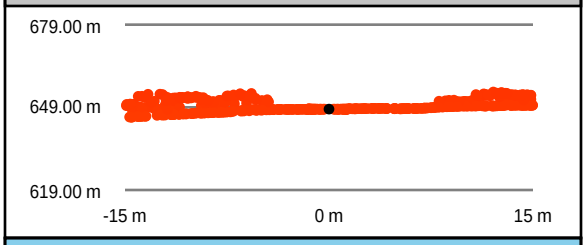
Project Context



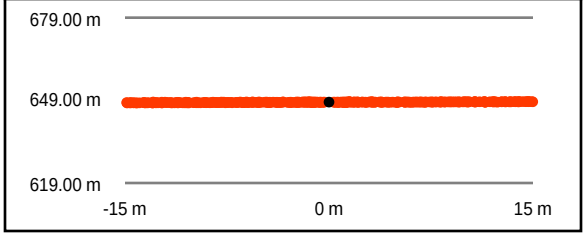
World Imagery



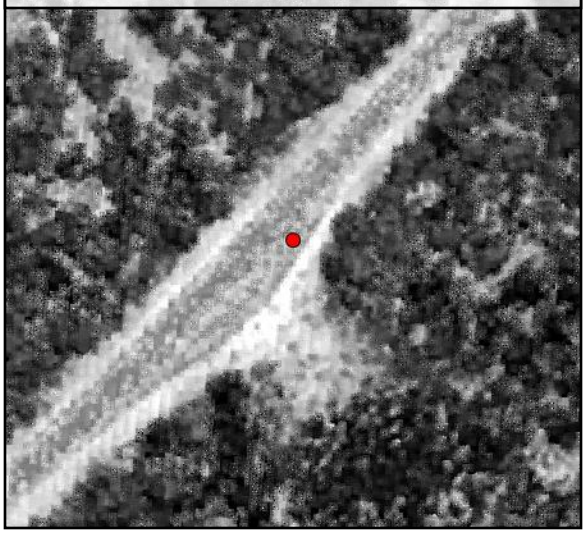
Southeast to Northwest



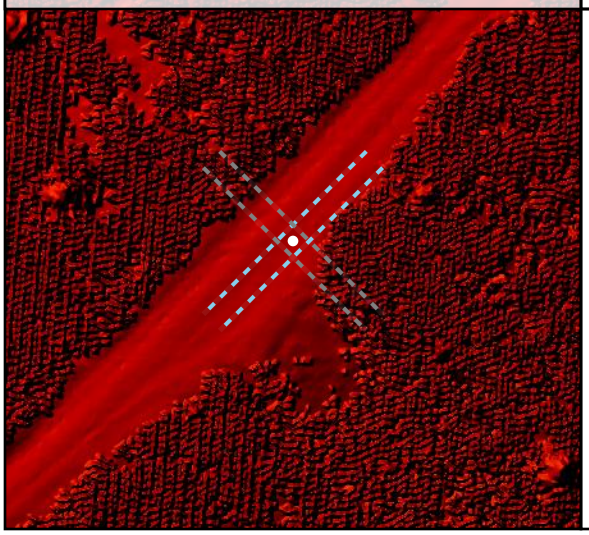
Southwest to Northeast



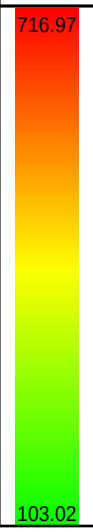
Intensity Raster



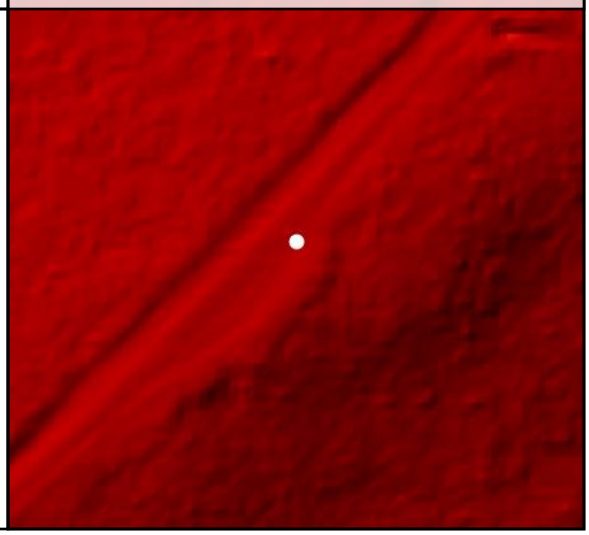
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.05 m

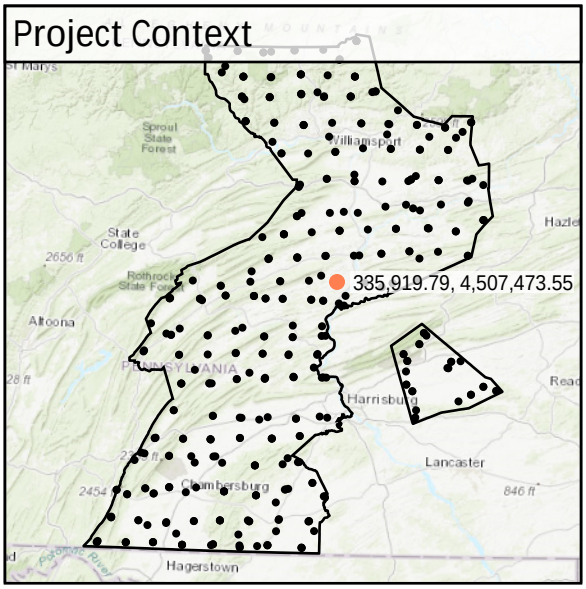
NVA - BE32

All Points TIN Dz -0.05 m

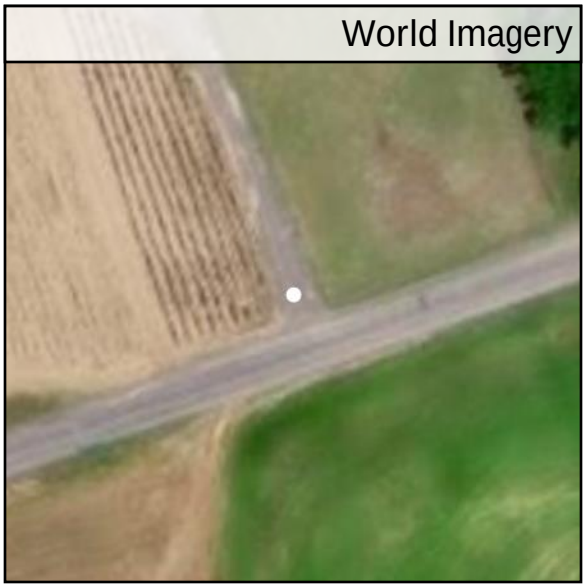
BE33

Known Z	238.54 m	Point Density	5.91 ppsm
DEM Dz	-0.14 m	Ground Density	2.37 ppsm
All Points TIN Dz	-0.14 m	Slope	1.11 °

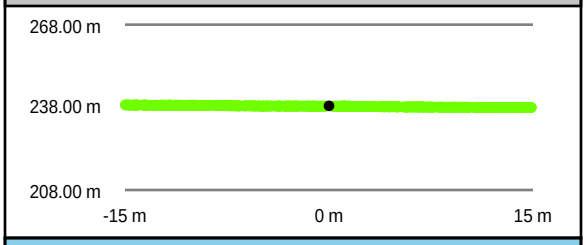
Project Context



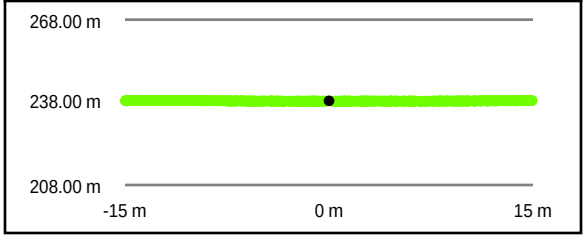
World Imagery



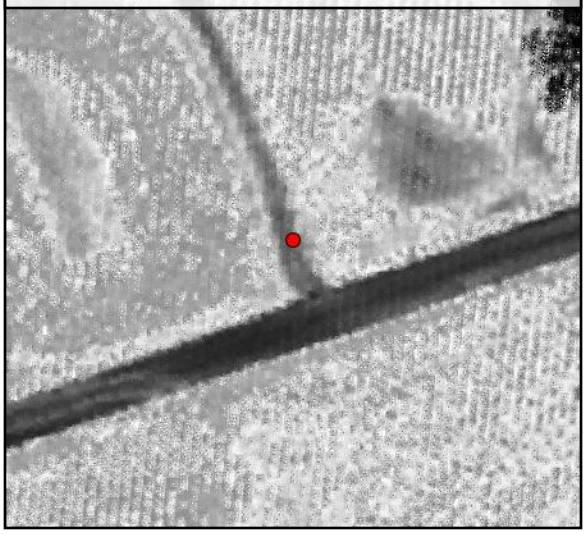
Southwest to Northeast



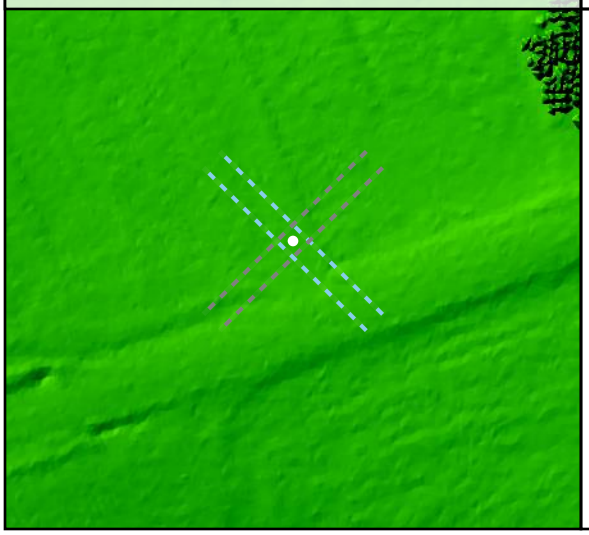
Southeast to Northwest



Intensity Raster



TIN Surface

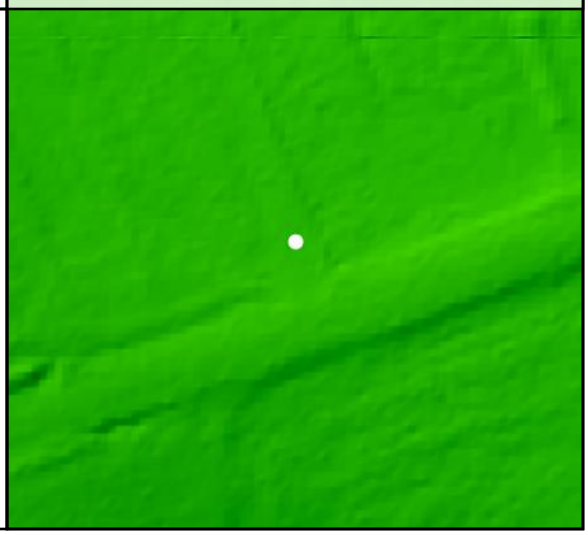


Project Elevation

716.97

103.02

DEM Surface



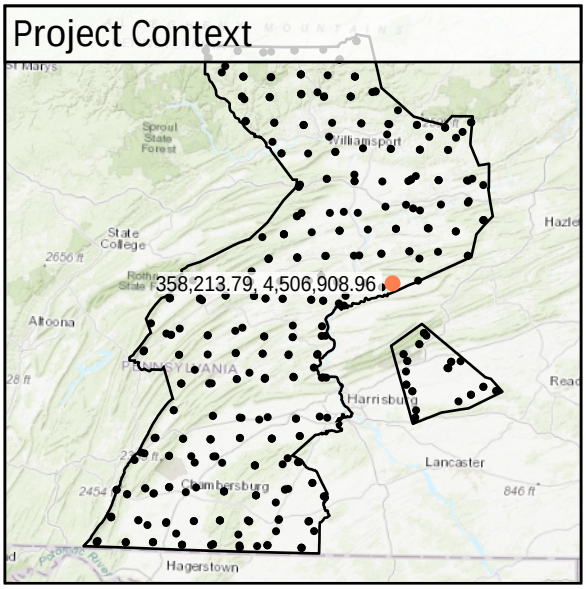
DEM Dz -0.14 m

NVA - BE33

All Points TIN Dz -0.14 m

BE34				
	Known Z	296.35 m	Point Density	2.33 ppsm
	DEM Dz	-0.12 m	Ground Density	2.33 ppsm
	All Points TIN Dz	-0.11 m	Slope	5.05 °

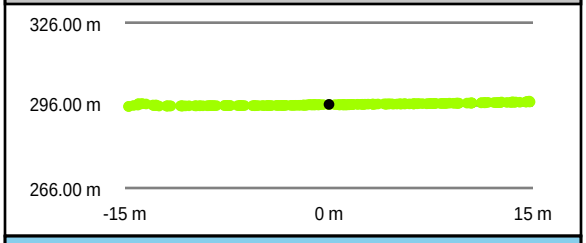
Project Context



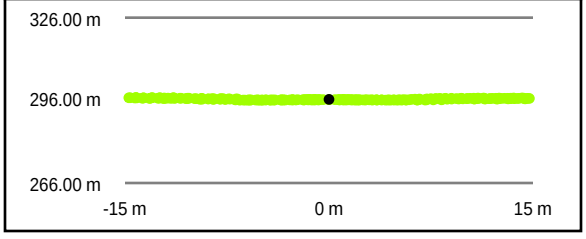
World Imagery



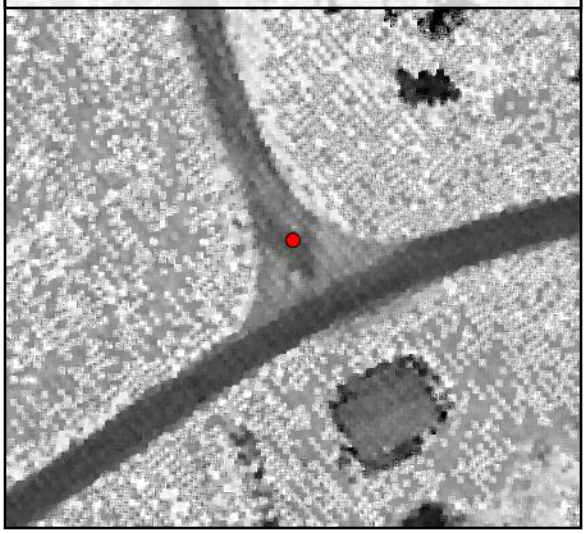
Southeast to Northwest



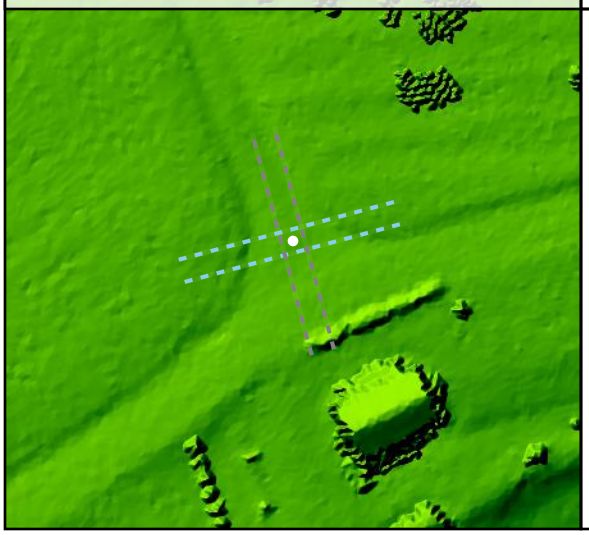
Southwest to Northeast



Intensity Raster



TIN Surface



Project Elevation



DEM Surface



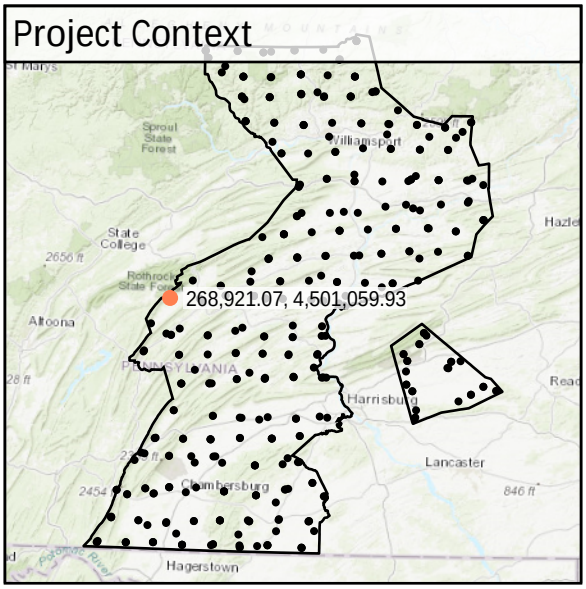
DEM Dz -0.12 m

NVA - BE34

All Points TIN Dz -0.11 m

BE35				
	Known Z	271.37 m	Point Density	2.58 ppsm
	DEM Dz	-0.05 m	Ground Density	2.58 ppsm
	All Points TIN Dz	-0.05 m	Slope	3.83 °

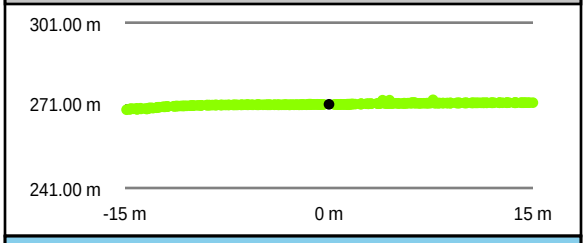
Project Context



World Imagery



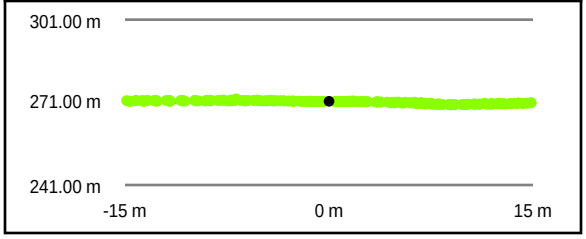
Southeast to Northwest



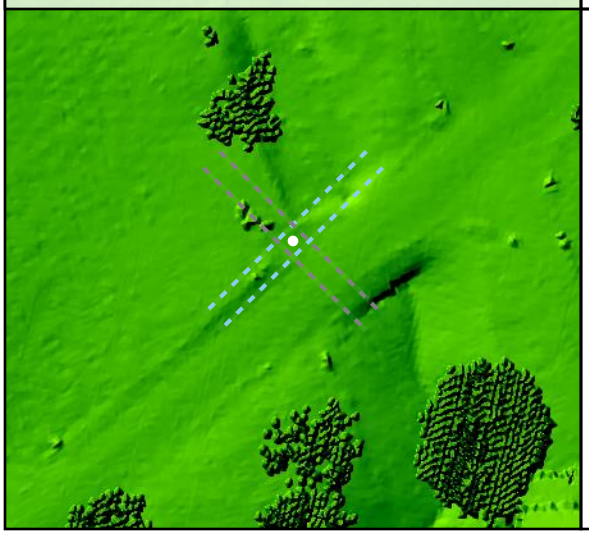
Intensity Raster



Southwest to Northeast



TIN Surface

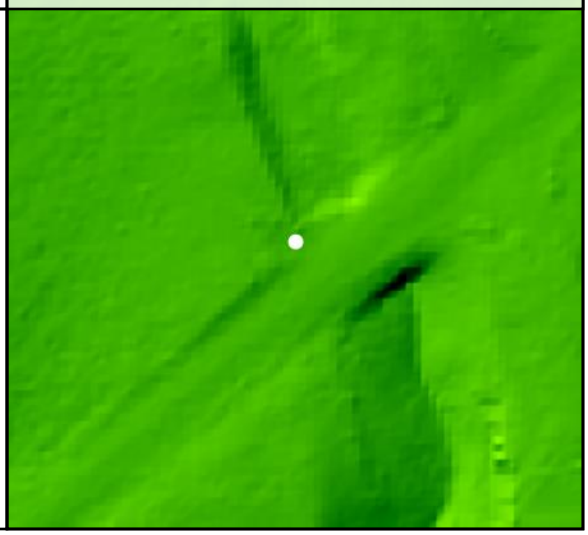


Project Elevation

716.97

103.02

DEM Surface



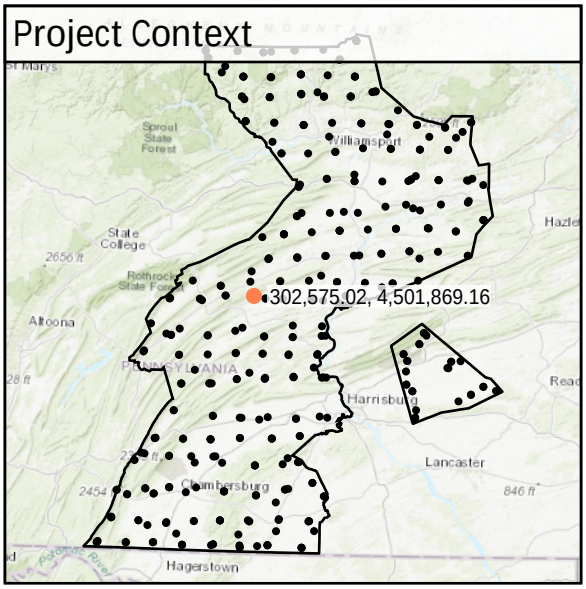
DEM Dz -0.05 m

NVA - BE35

All Points TIN Dz -0.05 m

BE36				
	Known Z	230.56 m	Point Density	5.13 ppsm
	DEM Dz	0.04 m	Ground Density	2.30 ppsm
	All Points TIN Dz	0.04 m	Slope	1.28 °

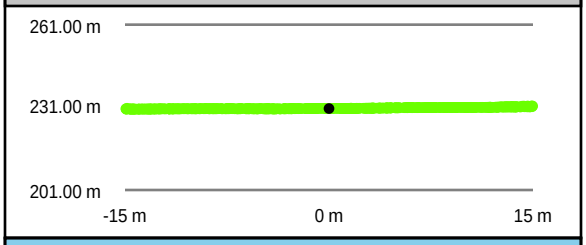
Project Context



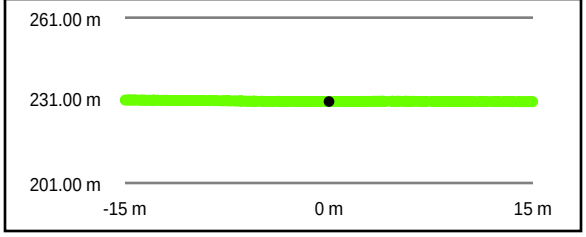
World Imagery



Southeast to Northwest



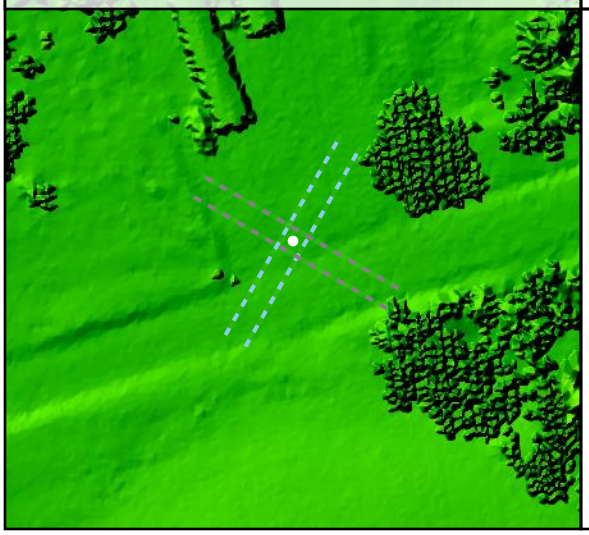
Southwest to Northeast



Intensity Raster



TIN Surface

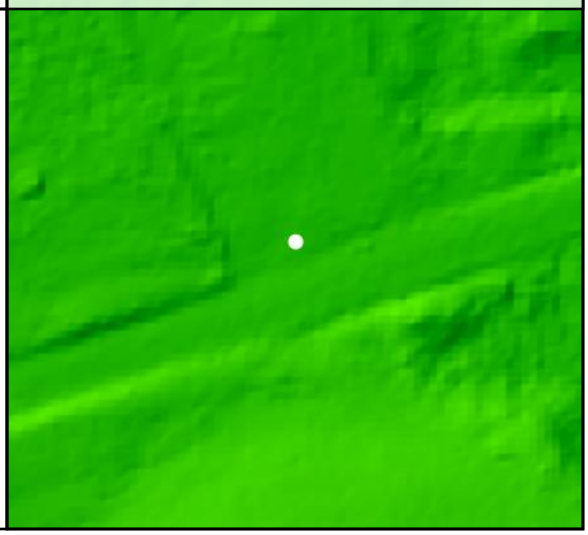


Project Elevation

716.97

103.02

DEM Surface



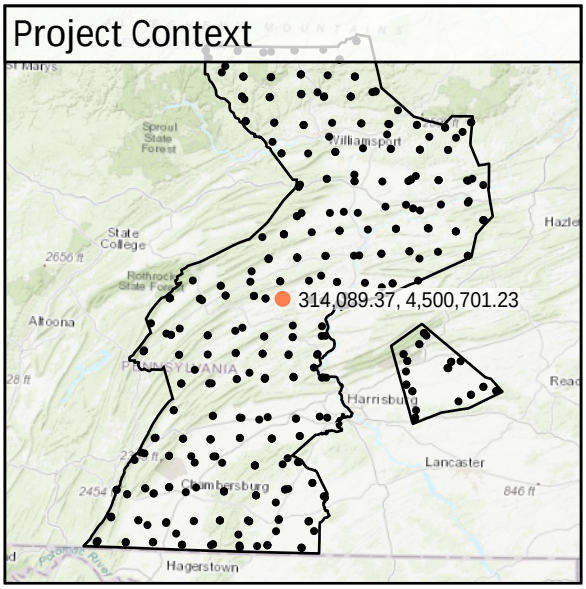
DEM Dz +0.04 m

NVA - BE36

All Points TIN Dz +0.04 m

BE37				
	Known Z	198.65 m	Point Density	4.85 ppsm
	DEM Dz	0.06 m	Ground Density	2.37 ppsm
	All Points TIN Dz	0.06 m	Slope	8.47 °

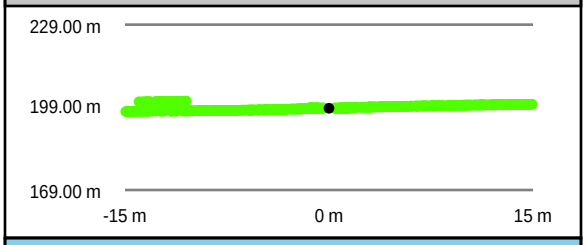
Project Context



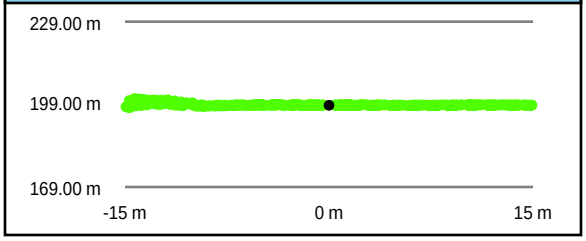
World Imagery



Southwest to Northeast



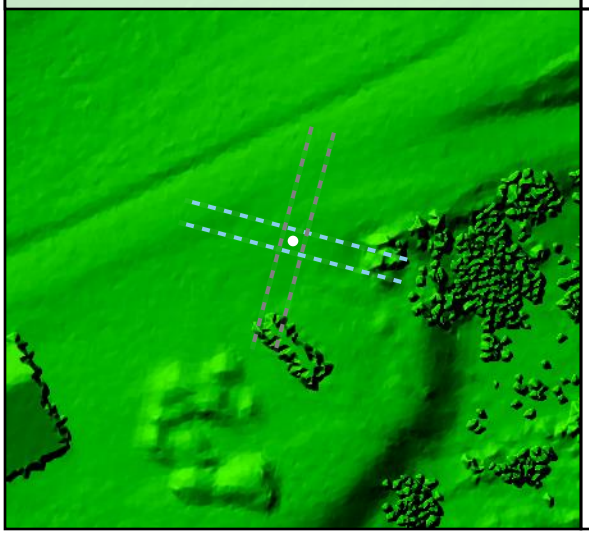
Southeast to Northwest



Intensity Raster



TIN Surface

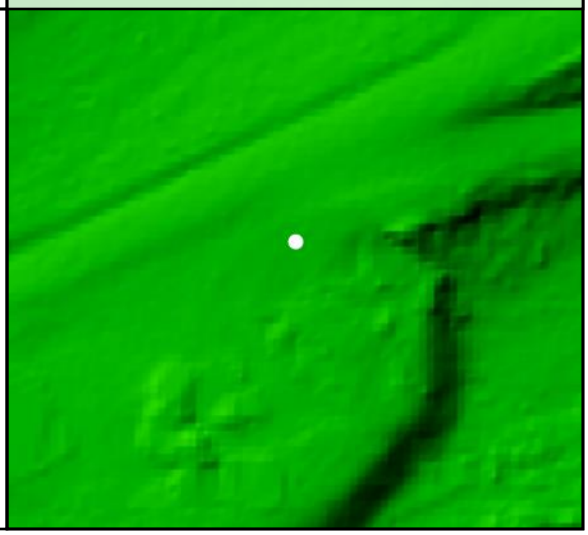


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.06 m

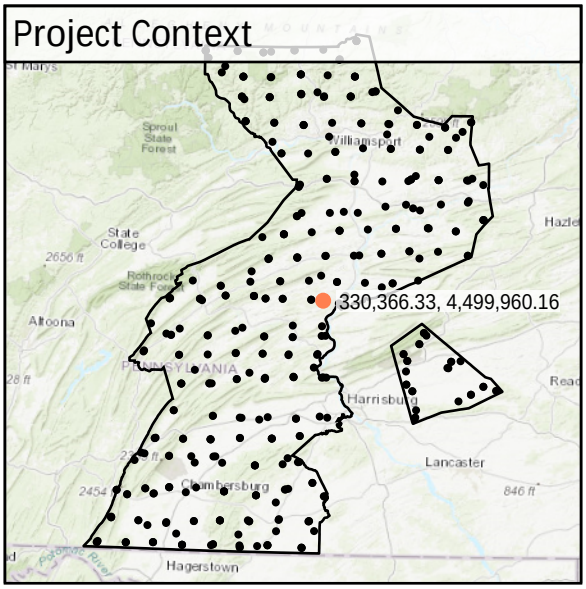
NVA - BE37

All Points TIN Dz +0.06 m

BE38

Known Z	151.22 m	Point Density	5.48 ppsm
DEM Dz	0.03 m	Ground Density	2.58 ppsm
All Points TIN Dz	0.04 m	Slope	2.49 °

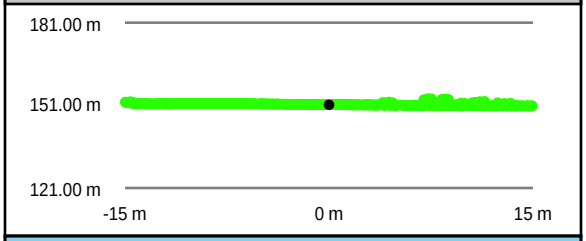
Project Context



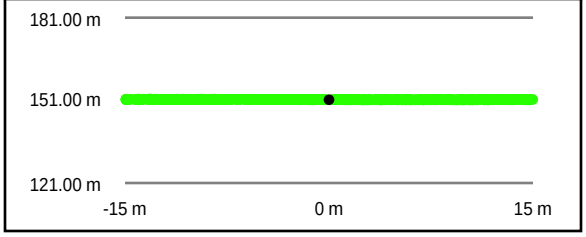
World Imagery



Southwest to Northeast



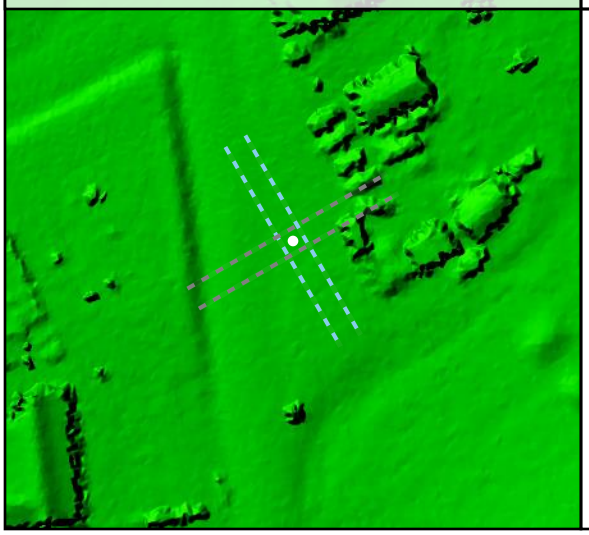
Southeast to Northwest



Intensity Raster



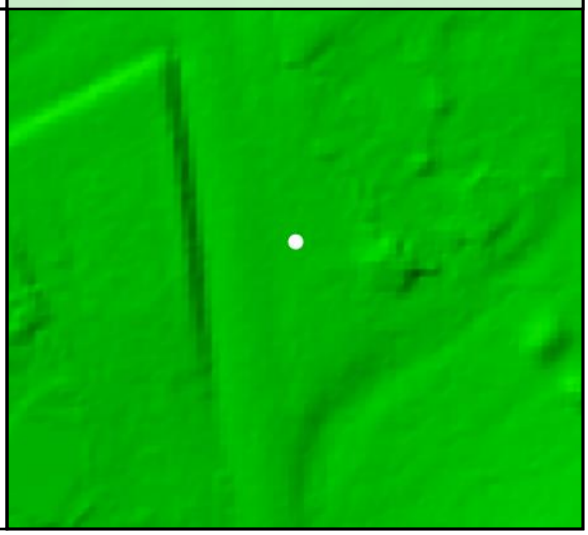
TIN Surface



Project Elevation



DEM Surface



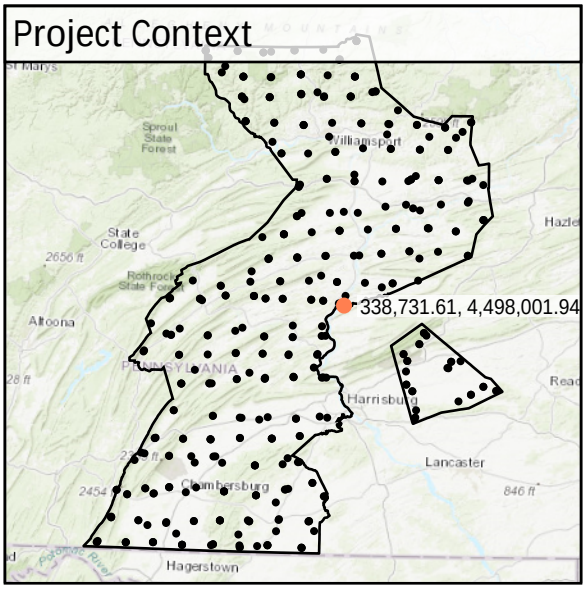
DEM Dz +0.03 m

NVA - BE38

All Points TIN Dz +0.04 m

BE39				
	Known Z	165.35 m	Point Density	3.04 ppsm
	DEM Dz	0.04 m	Ground Density	3.04 ppsm
	All Points TIN Dz	0.05 m	Slope	3.85 °

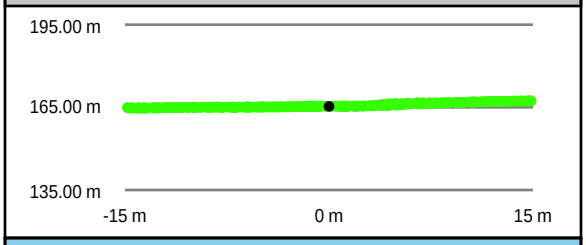
Project Context



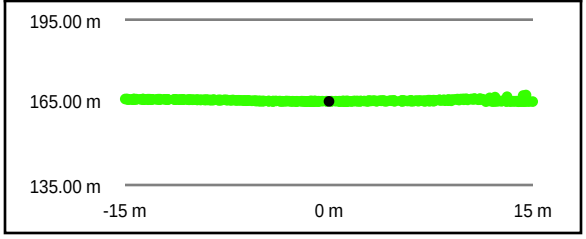
World Imagery



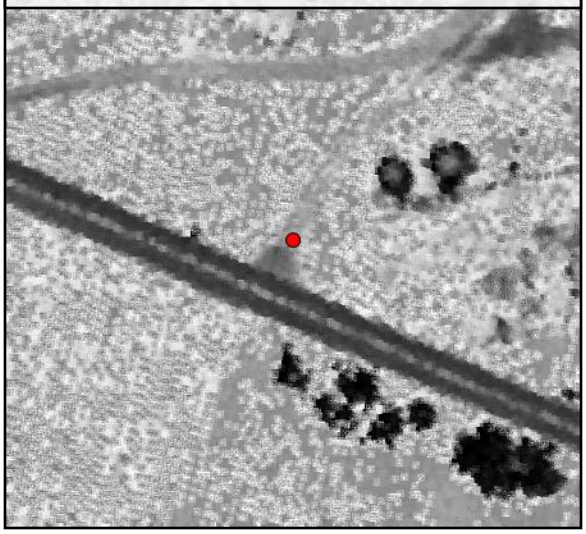
Southeast to Northwest



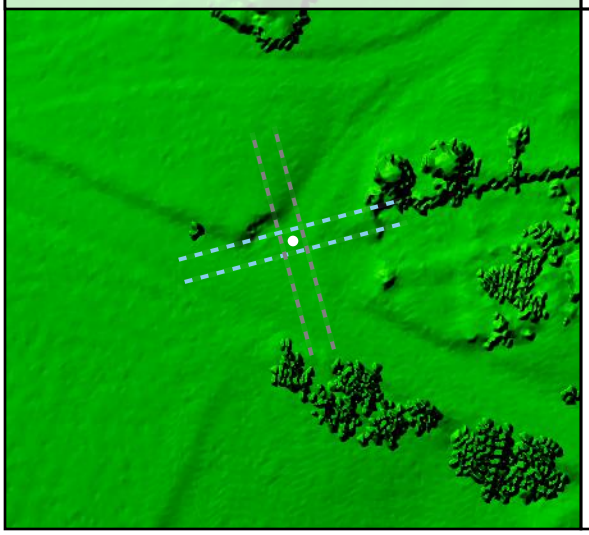
Southwest to Northeast



Intensity Raster



TIN Surface

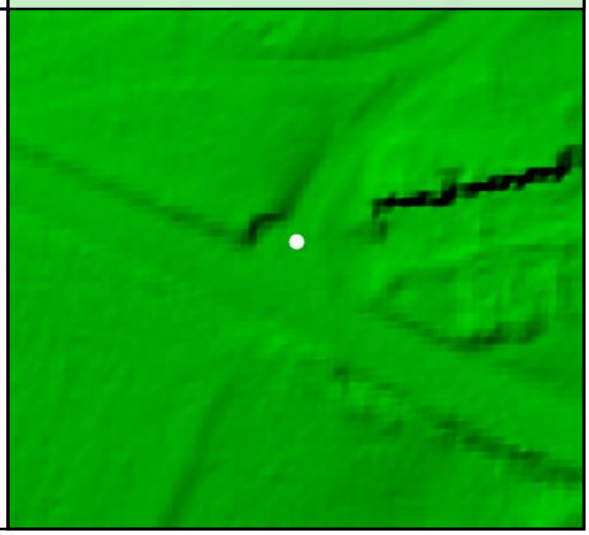


Project Elevation

716.97

103.02

DEM Surface



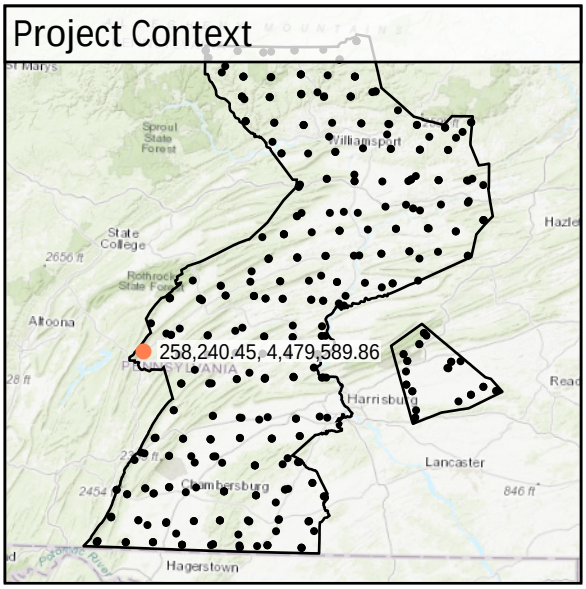
DEM Dz +0.04 m

NVA - BE39

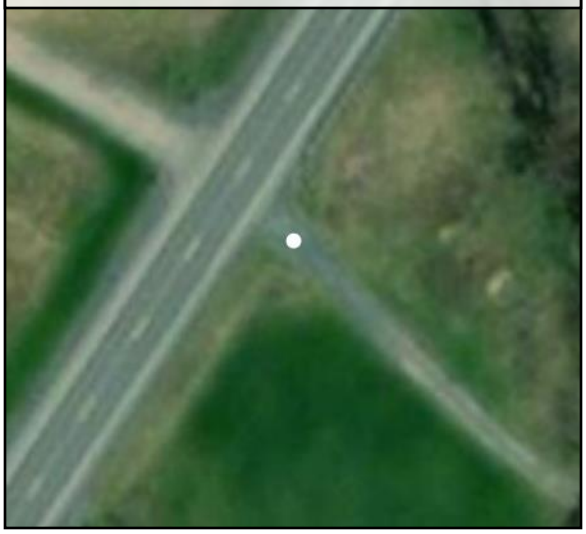
All Points TIN Dz +0.05 m

BE40				
	Known Z	203.96 m	Point Density	4.70 ppsm
	DEM Dz	0.11 m	Ground Density	2.44 ppsm
	All Points TIN Dz	0.09 m	Slope	6.84 °

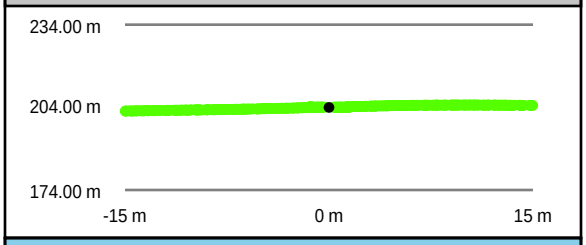
Project Context



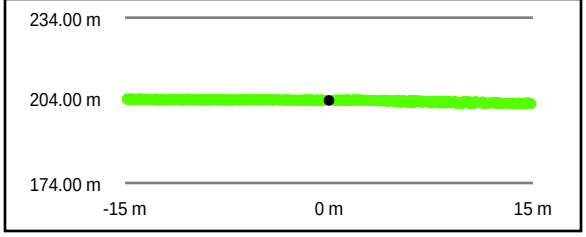
World Imagery



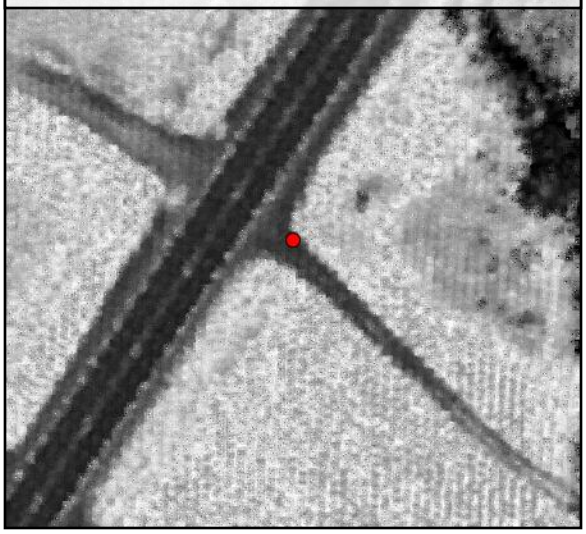
Southeast to Northwest



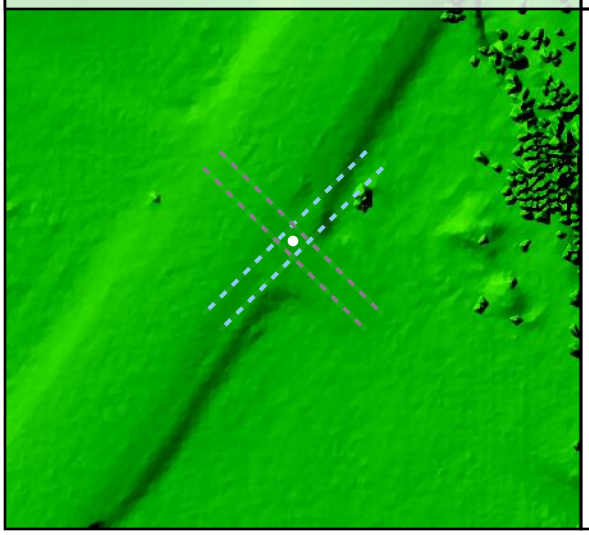
Southwest to Northeast



Intensity Raster



TIN Surface

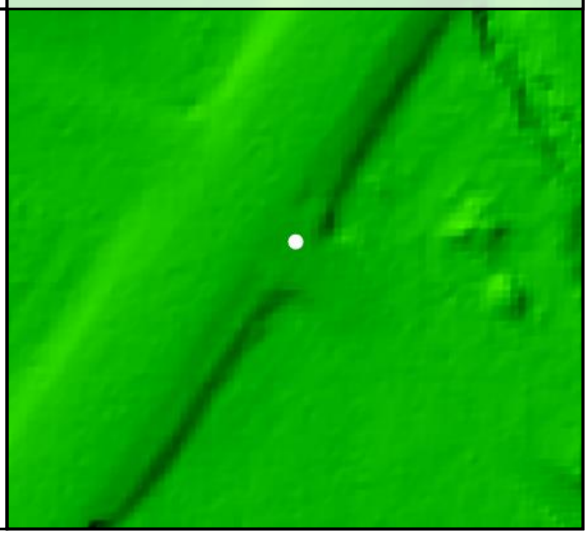


Project Elevation

716.97

103.02

DEM Surface



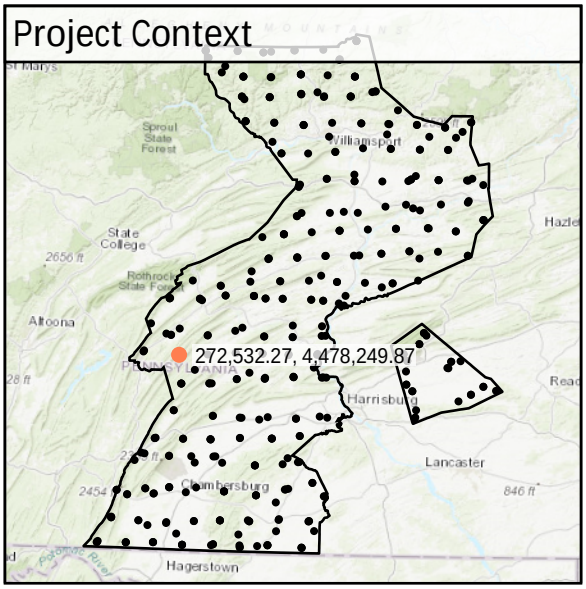
DEM Dz +0.11 m

NVA - BE40

All Points TIN Dz +0.09 m

BE41				
	Known Z	342.24 m	Point Density	5.38 ppsm
	DEM Dz	0.11 m	Ground Density	2.76 ppsm
	All Points TIN Dz	0.12 m	Slope	3.12 °

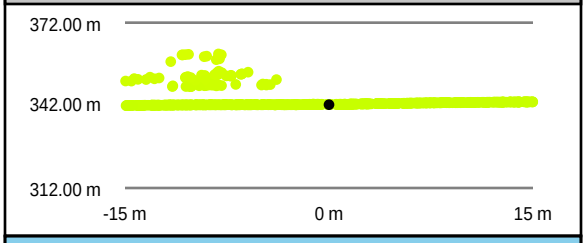
Project Context



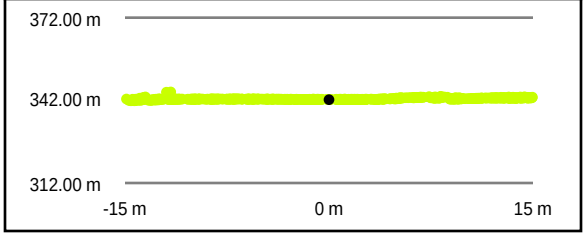
World Imagery



Southwest to Northeast



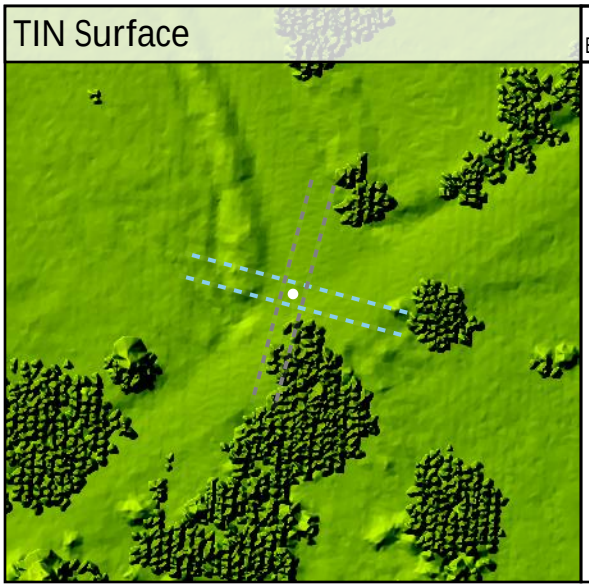
Southeast to Northwest



Intensity Raster



TIN Surface

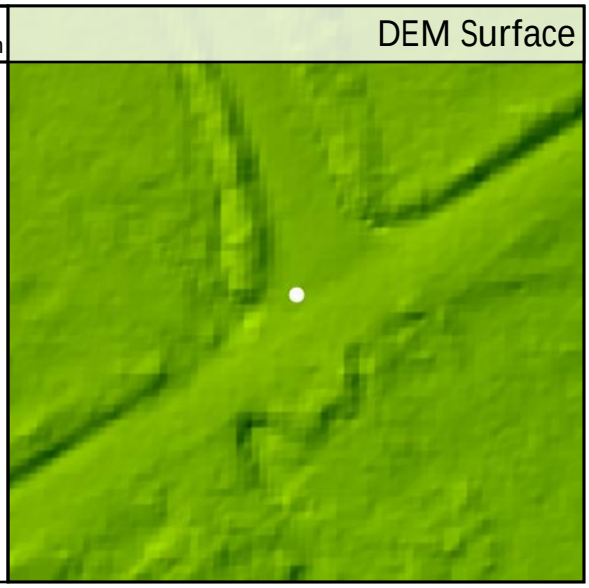


Project Elevation

716.97

103.02

DEM Surface



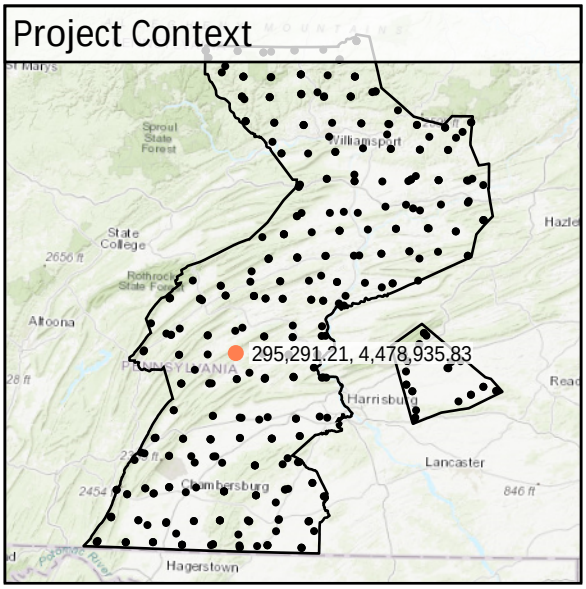
DEM Dz +0.11 m

NVA - BE41

All Points TIN Dz +0.12 m

BE42				
	Known Z	229.29 m	Point Density	2.48 ppsm
	DEM Dz	0.12 m	Ground Density	2.48 ppsm
	All Points TIN Dz	0.11 m	Slope	7.10 °

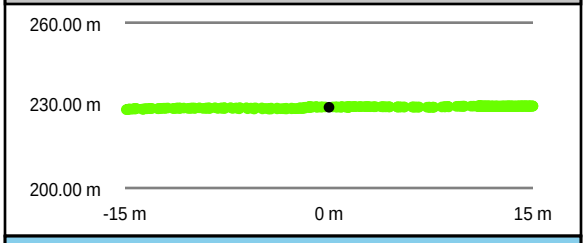
Project Context



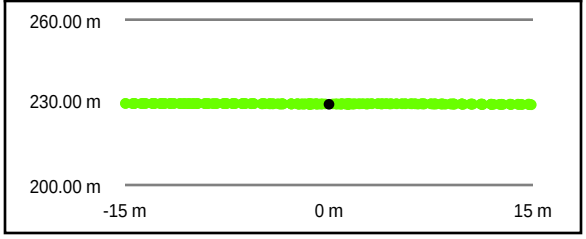
World Imagery



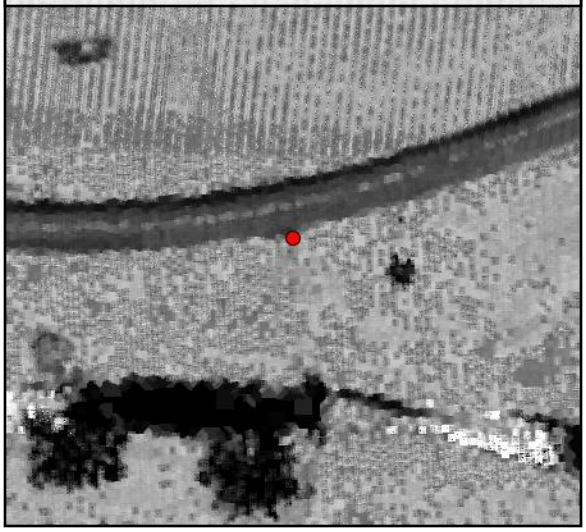
South to North



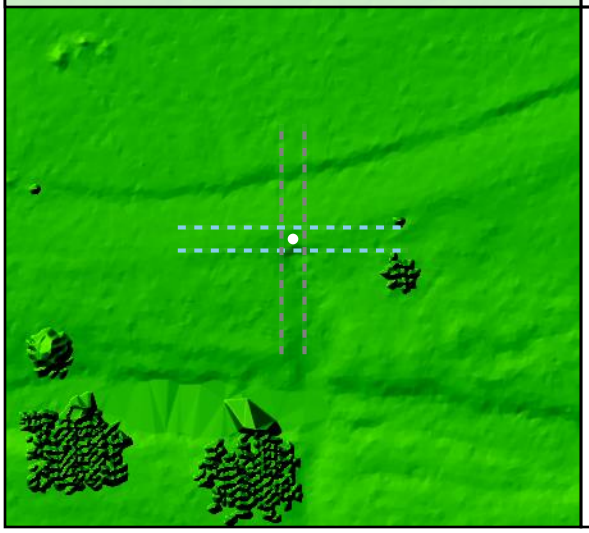
West to East



Intensity Raster



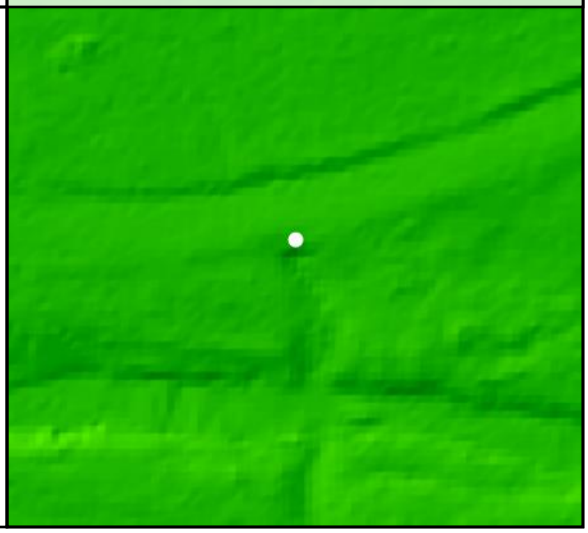
TIN Surface



Project Elevation



DEM Surface



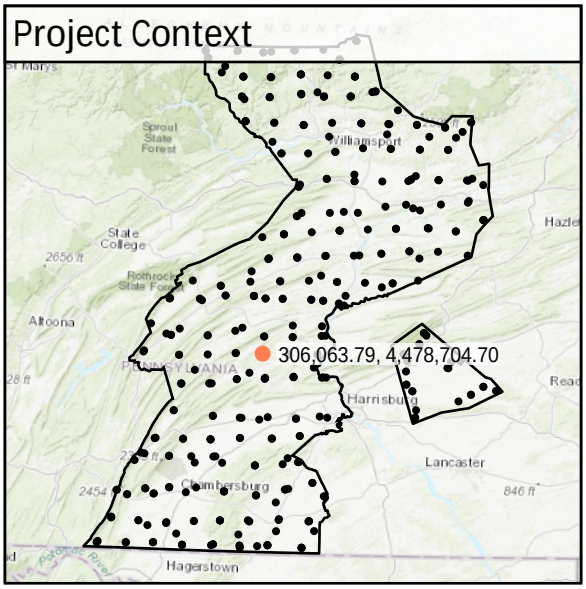
DEM Dz +0.12 m

NVA - BE42

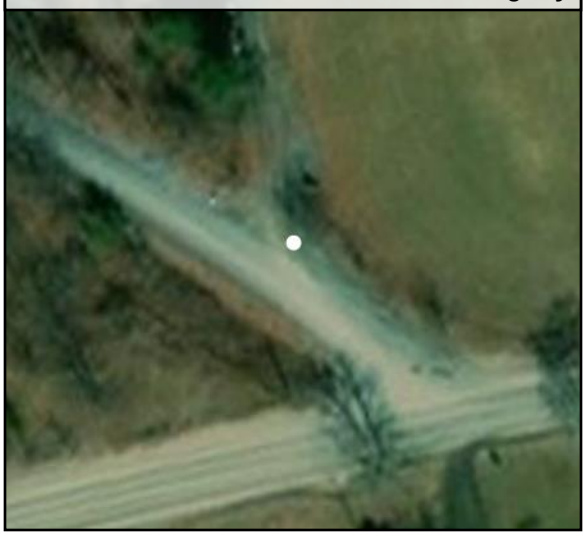
All Points TIN Dz +0.11 m

BE43				
	Known Z	260.75 m	Point Density	5.34 ppsm
	DEM Dz	0.10 m	Ground Density	2.26 ppsm
	All Points TIN Dz	0.10 m	Slope	5.15 °

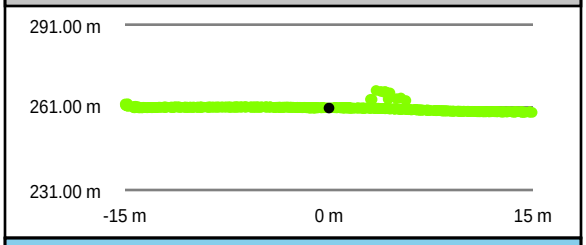
Project Context



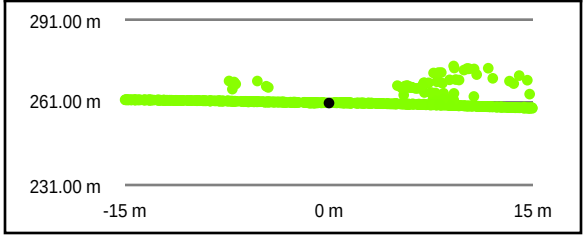
World Imagery



Southwest to Northeast



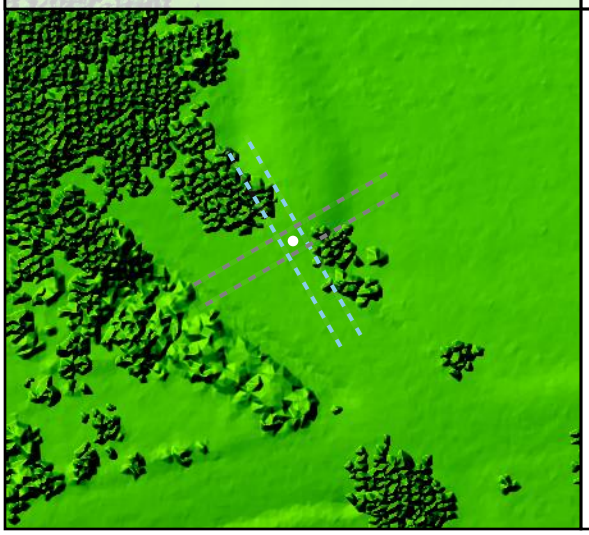
Southeast to Northwest



Intensity Raster



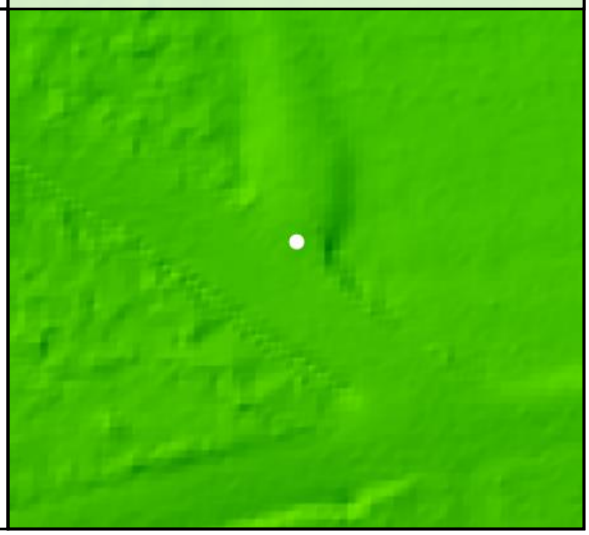
TIN Surface



Project Elevation



DEM Surface



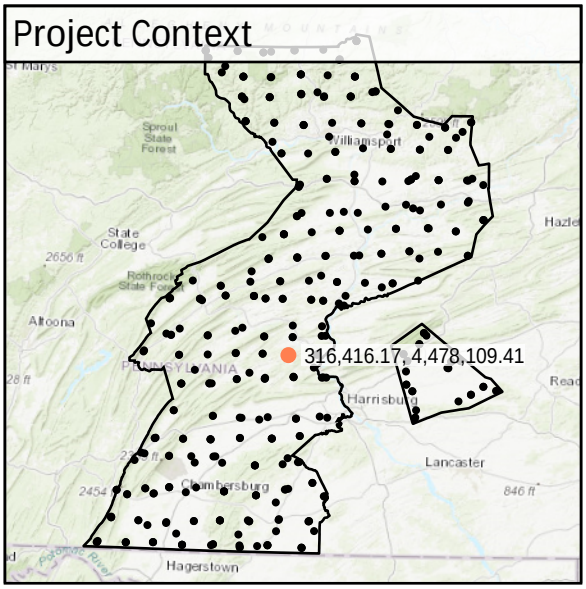
DEM Dz +0.10 m

NVA - BE43

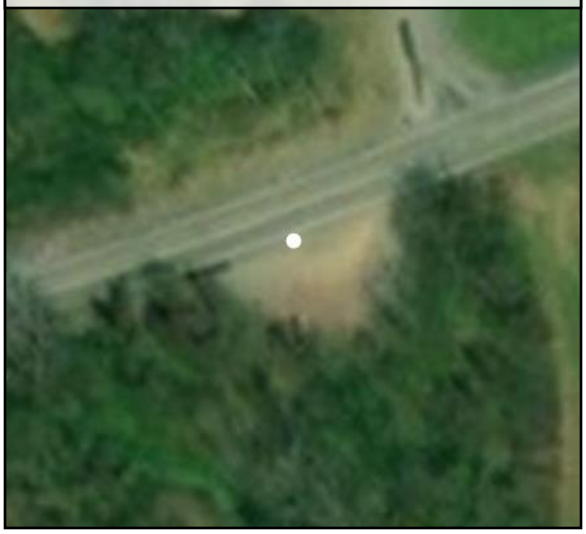
All Points TIN Dz +0.10 m

BE44				
	Known Z	206.37 m	Point Density	5.66 ppsm
	DEM Dz	0.06 m	Ground Density	2.51 ppsm
	All Points TIN Dz	0.06 m	Slope	4.64 °

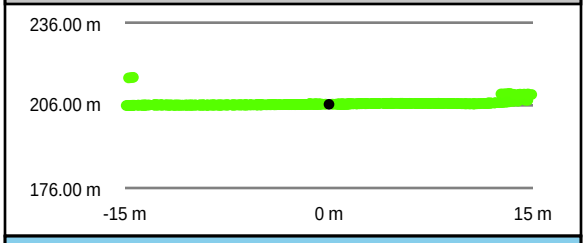
Project Context



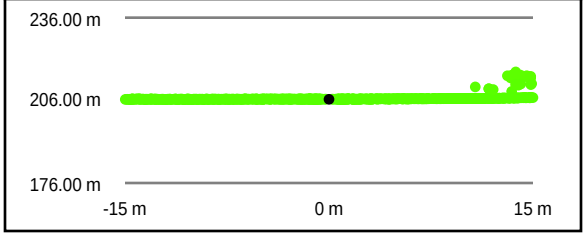
World Imagery



Southeast to Northwest



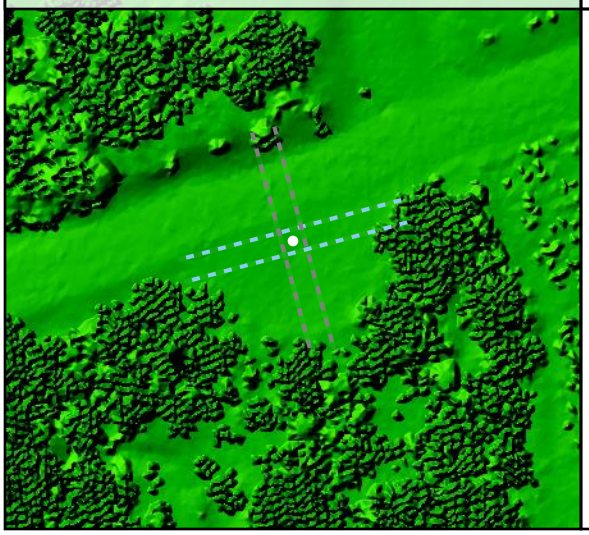
Southwest to Northeast



Intensity Raster



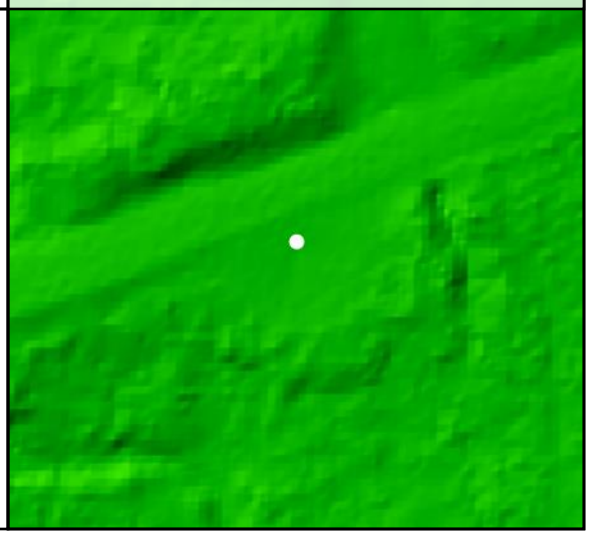
TIN Surface



Project Elevation



DEM Surface



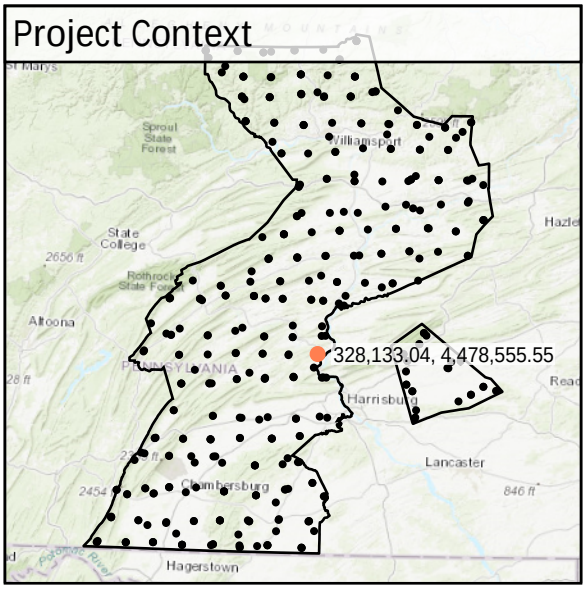
DEM Dz +0.06 m

NVA - BE44

All Points TIN Dz +0.06 m

BE45				
	Known Z	124.51 m	Point Density	4.99 ppsm
	DEM Dz	0.10 m	Ground Density	2.37 ppsm
	All Points TIN Dz	0.09 m	Slope	7.53 °

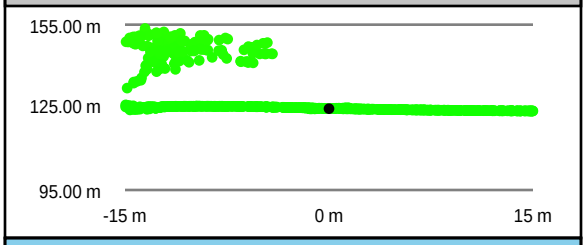
Project Context



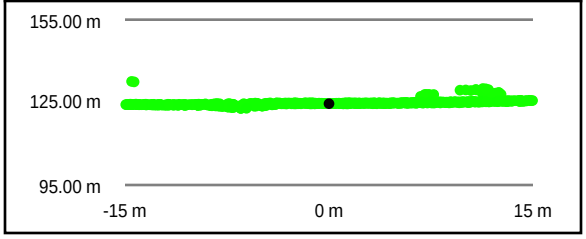
World Imagery



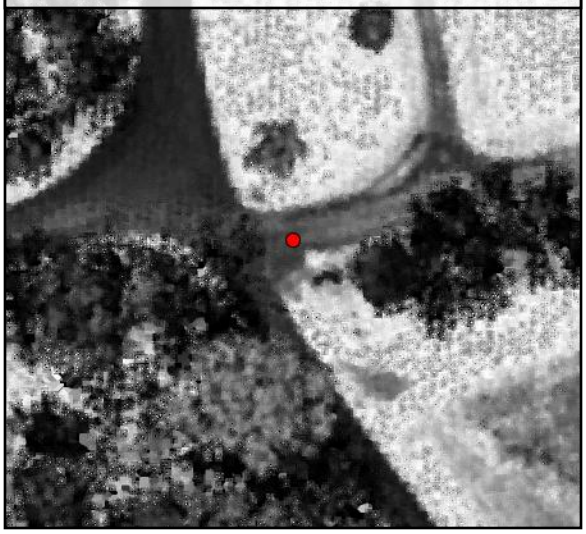
Southwest to Northeast



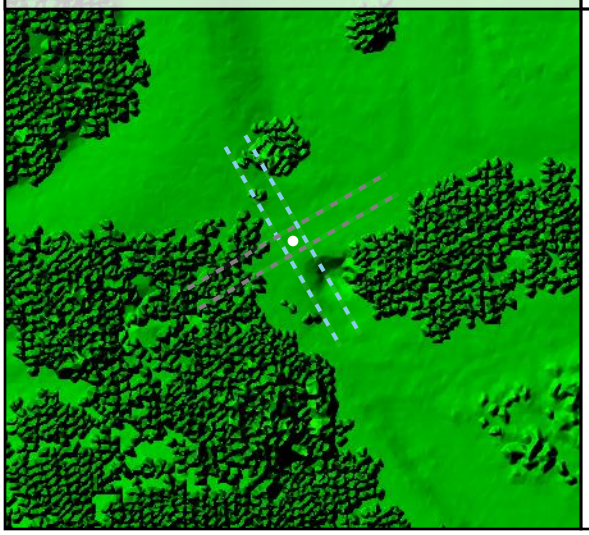
Southeast to Northwest



Intensity Raster



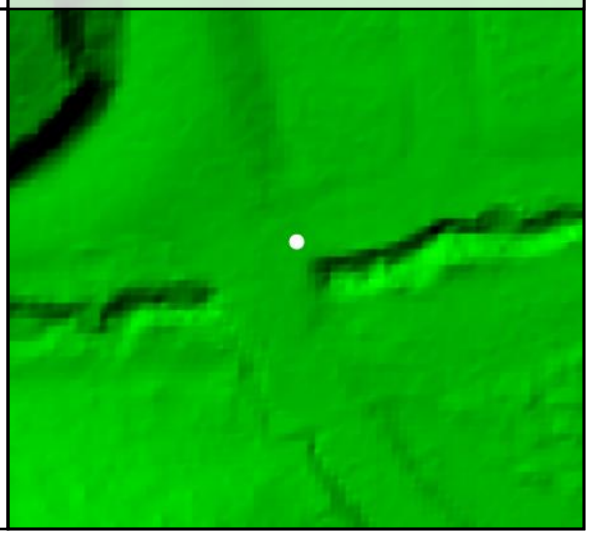
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.10 m

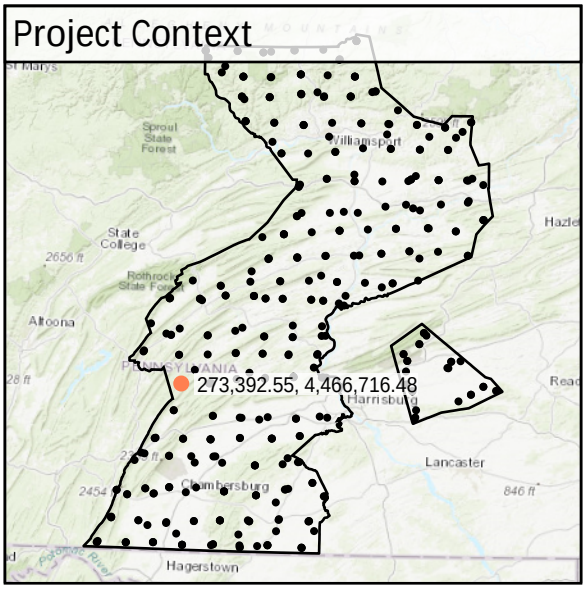
NVA - BE45

All Points TIN Dz +0.09 m

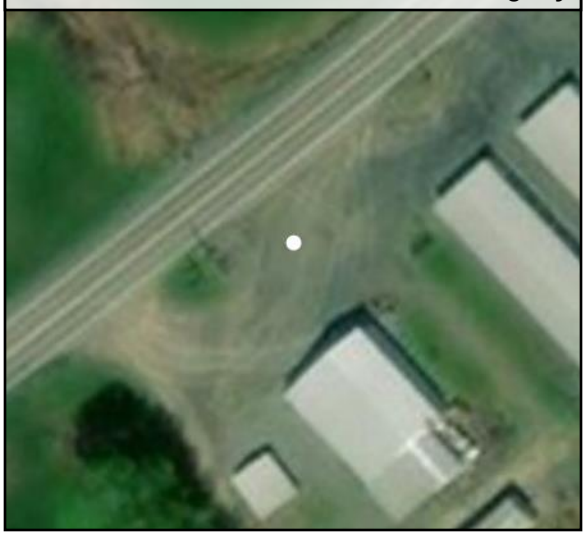
BE46

Known Z	210.89 m	Point Density	5.16 ppsm
DEM Dz	0.03 m	Ground Density	2.86 ppsm
All Points TIN Dz	0.03 m	Slope	2.36 °

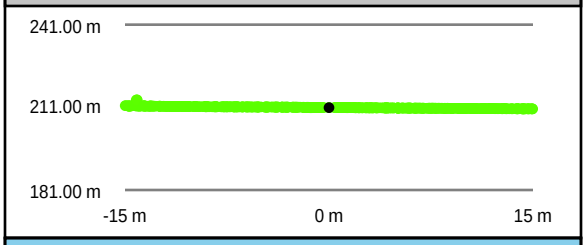
Project Context



World Imagery



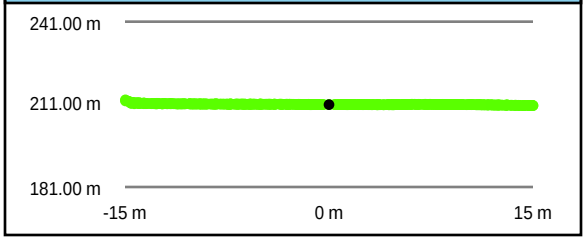
Southwest to Northeast



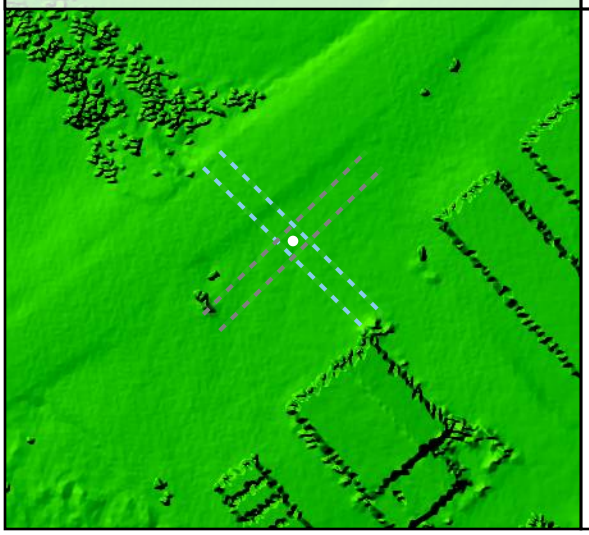
Intensity Raster



Southeast to Northwest



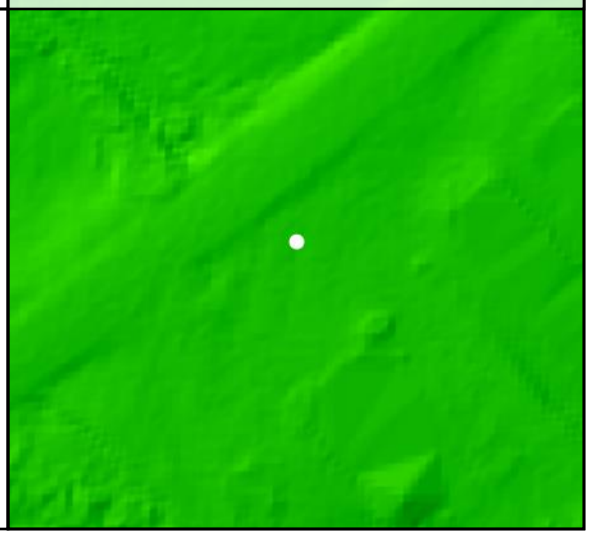
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.03 m

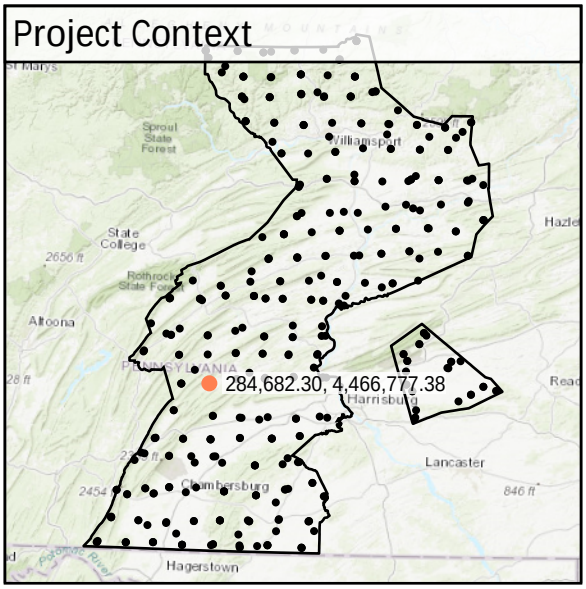
NVA - BE46

All Points TIN Dz +0.03 m

BE47

Known Z	225.85 m	Point Density	4.95 ppsm
DEM Dz	0.04 m	Ground Density	2.69 ppsm
All Points TIN Dz	0.05 m	Slope	4.77 °

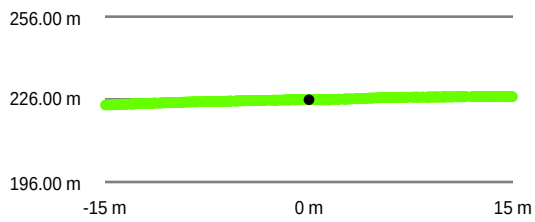
Project Context



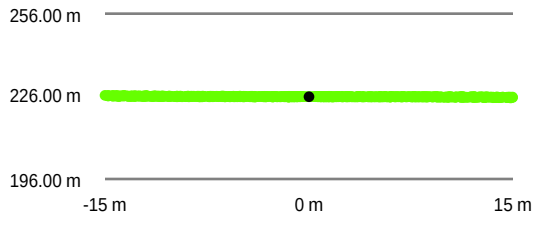
World Imagery



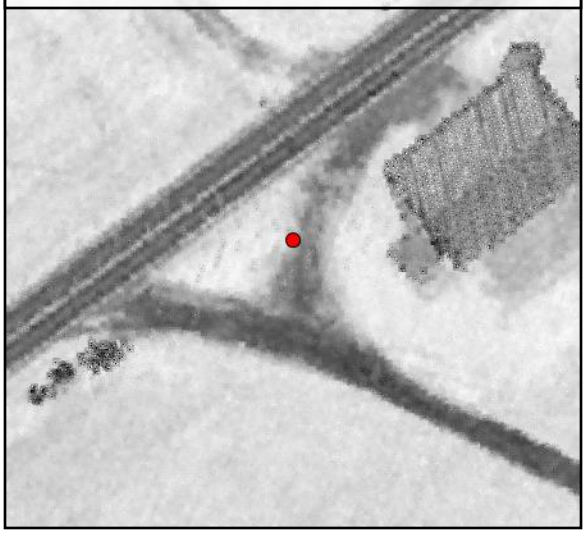
Southeast to Northwest



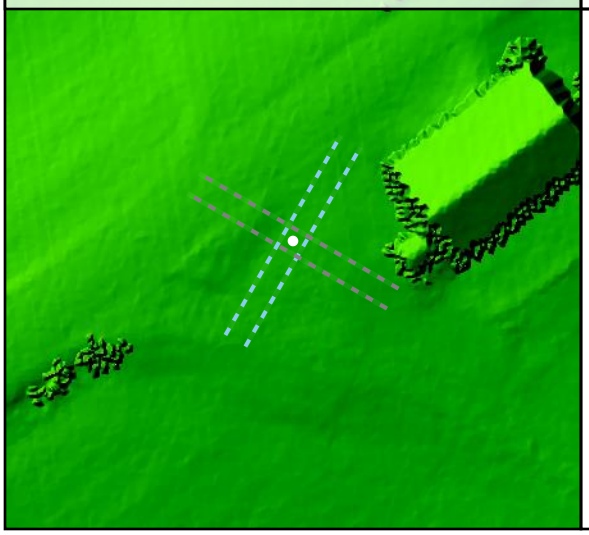
Southwest to Northeast



Intensity Raster



TIN Surface

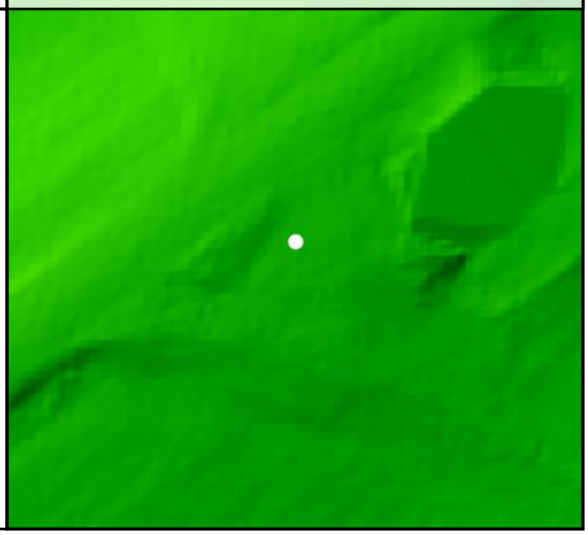


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.04 m

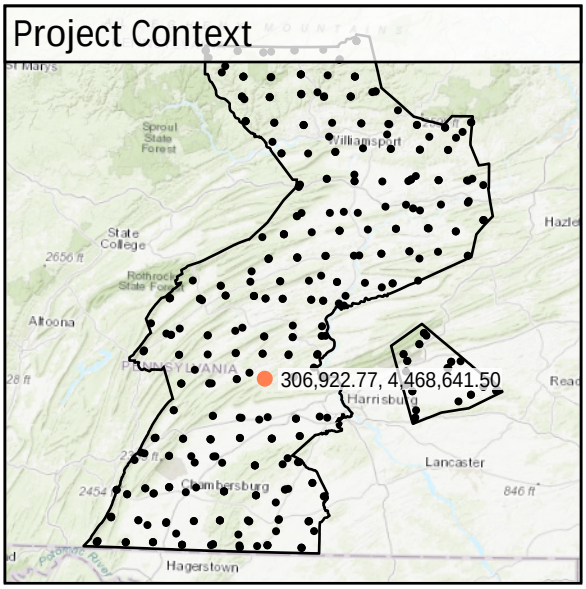
NVA - BE47

All Points TIN Dz +0.05 m

BE48

Known Z	186.75 m	Point Density	2.94 ppsm
DEM Dz	0.03 m	Ground Density	2.94 ppsm
All Points TIN Dz	0.03 m	Slope	1.35 °

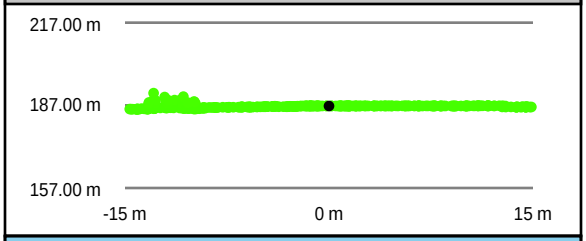
Project Context



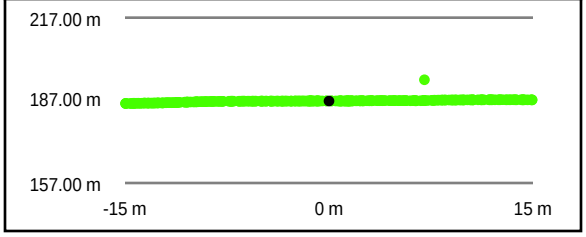
World Imagery



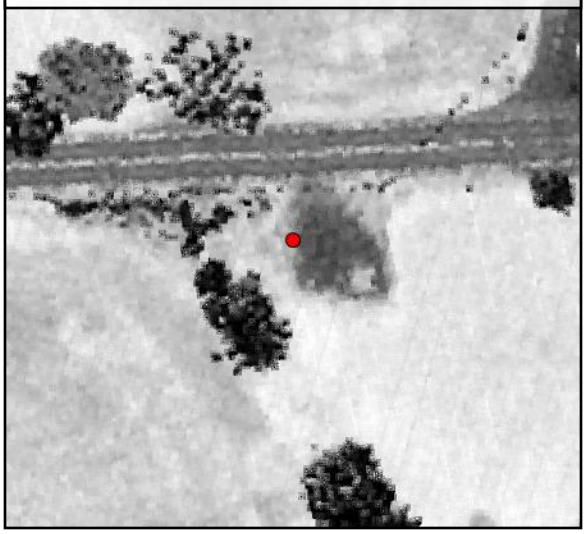
Southwest to Northeast



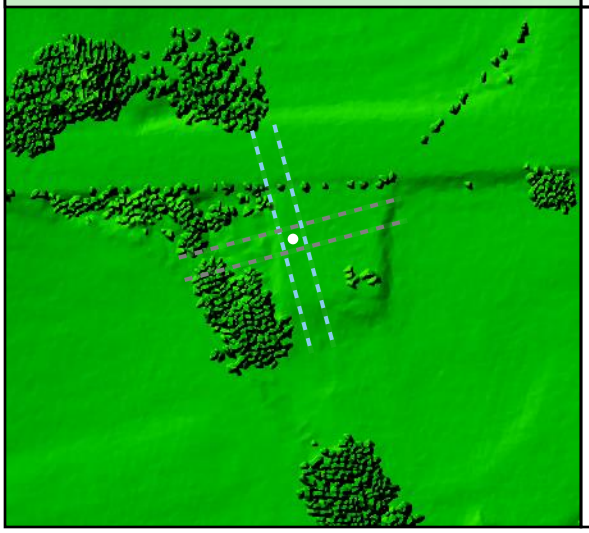
Southeast to Northwest



Intensity Raster



TIN Surface

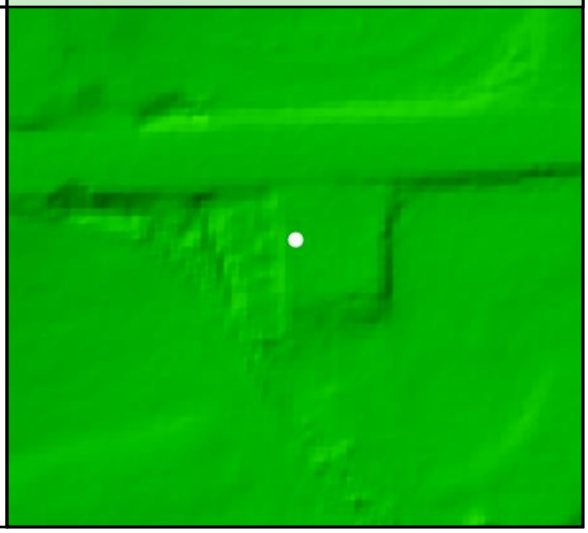


Project Elevation

716.97

103.02

DEM Surface



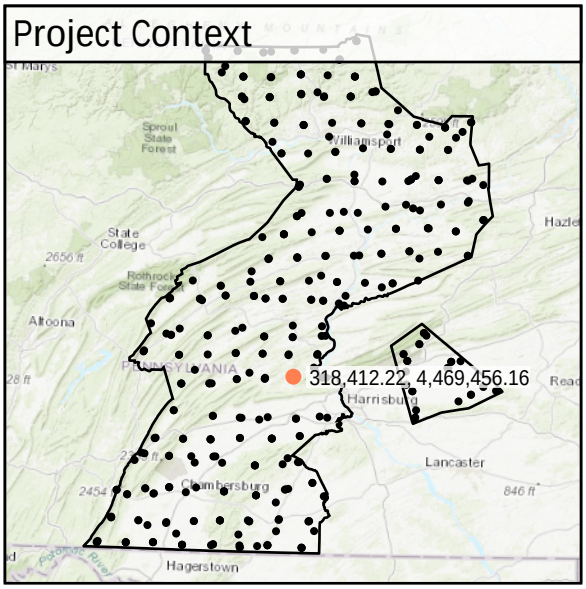
DEM Dz +0.03 m

NVA - BE48

All Points TIN Dz +0.03 m

BE49				
	Known Z	153.31 m	Point Density	5.31 ppsm
	DEM Dz	0.02 m	Ground Density	2.90 ppsm
	All Points TIN Dz	0.02 m	Slope	1.96 °

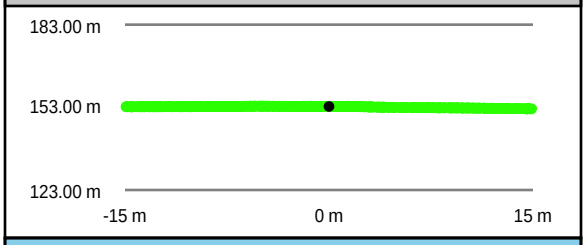
Project Context



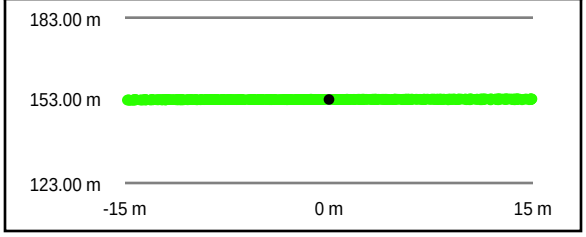
World Imagery



Southwest to Northeast



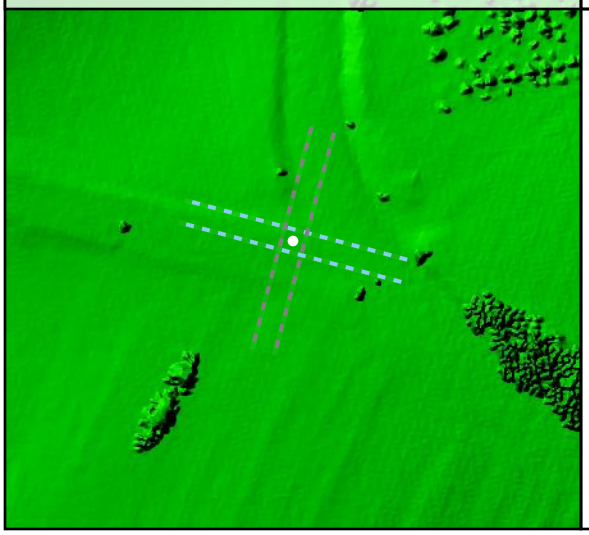
Southeast to Northwest



Intensity Raster



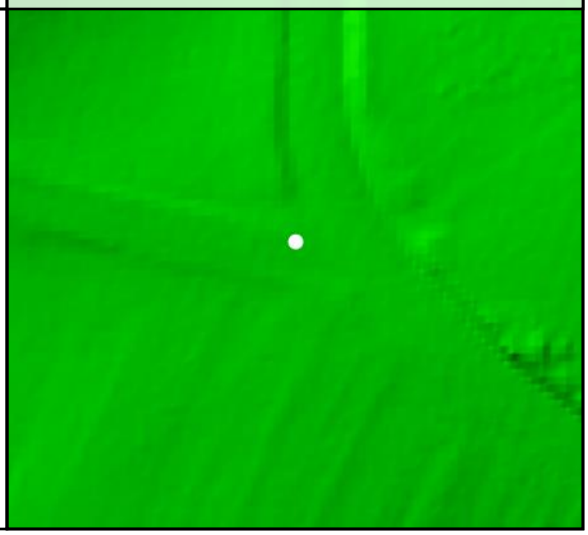
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.02 m

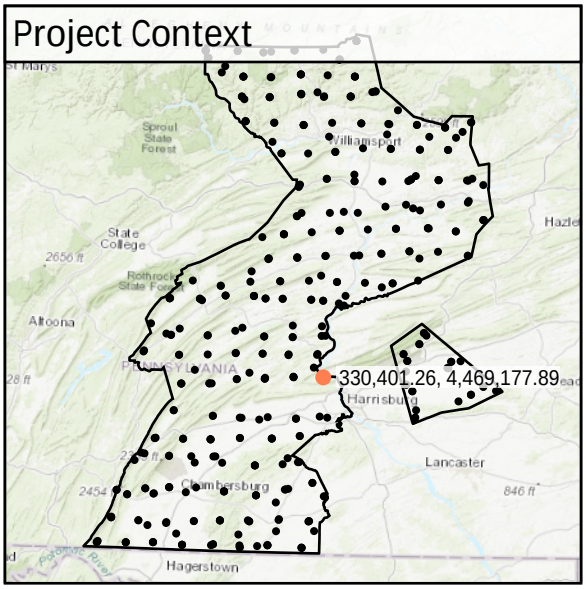
NVA - BE49

All Points TIN Dz +0.02 m

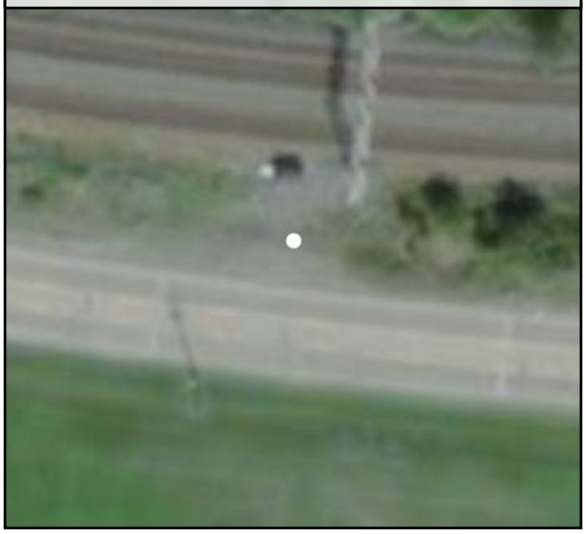
BE50

Known Z	106.74 m	Point Density	5.20 ppsm
DEM Dz	0.02 m	Ground Density	2.69 ppsm
All Points TIN Dz	0.02 m	Slope	1.43 °

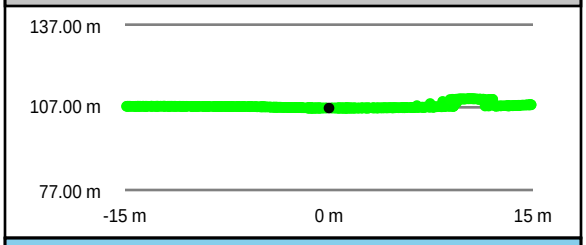
Project Context



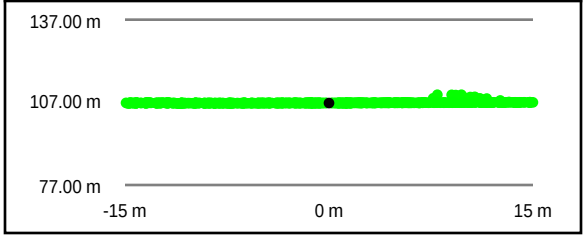
World Imagery



Southwest to Northeast



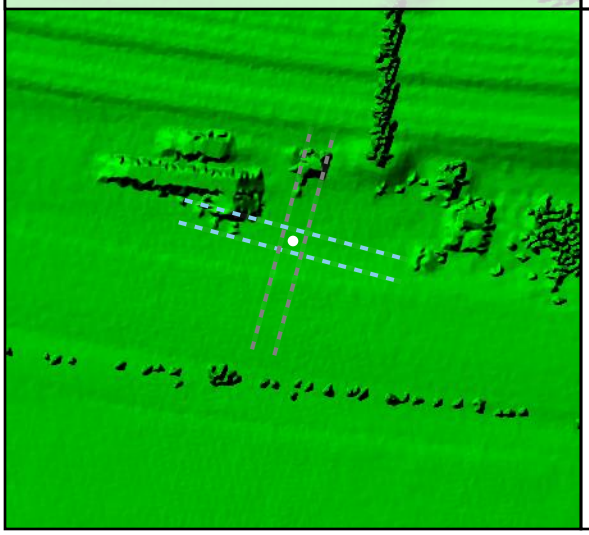
Southeast to Northwest



Intensity Raster



TIN Surface

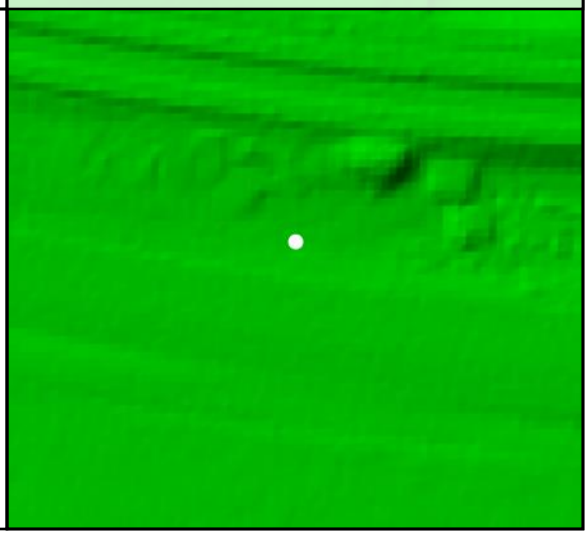


Project Elevation

716.97

103.02

DEM Surface



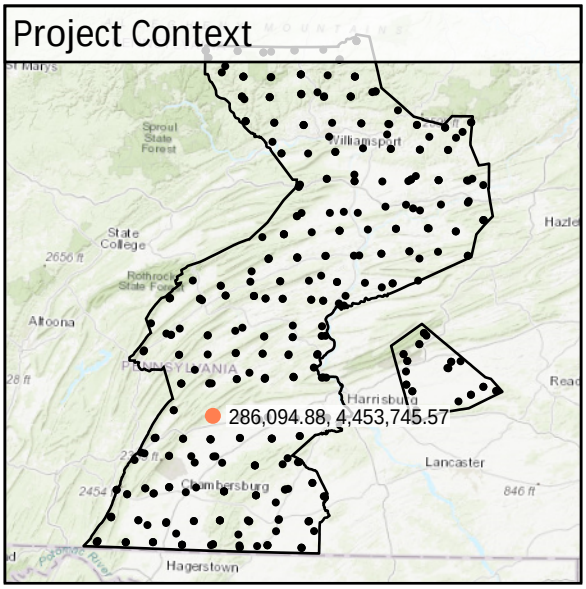
DEM Dz +0.02 m

NVA - BE50

All Points TIN Dz +0.02 m

BE51				
	Known Z	221.19 m	Point Density	5.02 ppsm
	DEM Dz	-0.02 m	Ground Density	2.79 ppsm
	All Points TIN Dz	-0.02 m	Slope	2.32 °

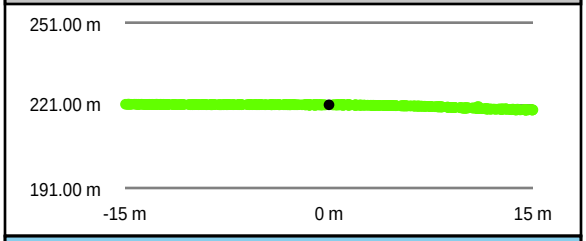
Project Context



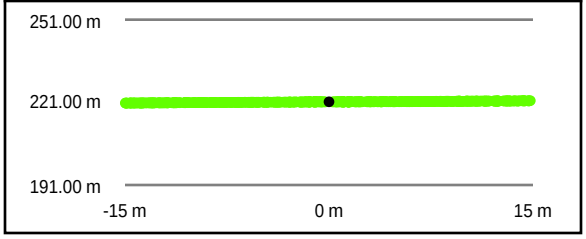
World Imagery



Southwest to Northeast



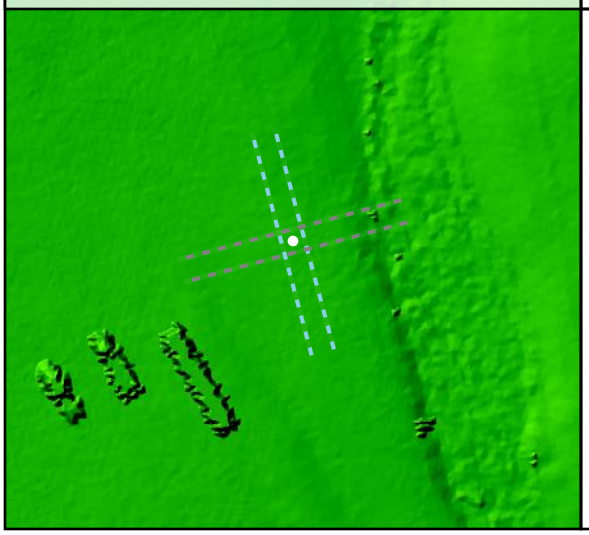
Southeast to Northwest



Intensity Raster



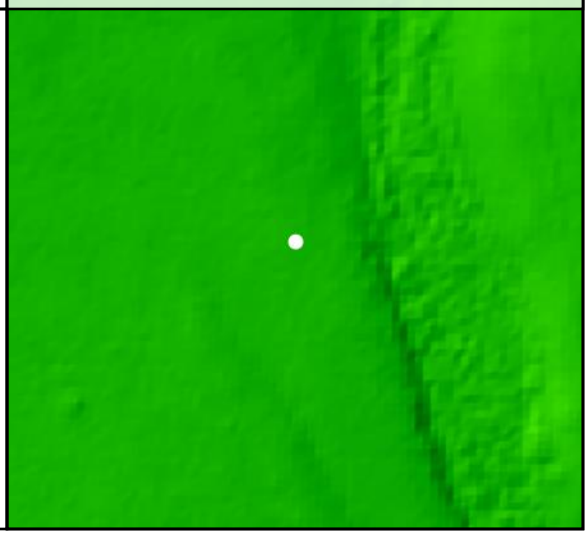
TIN Surface



Project Elevation



DEM Surface



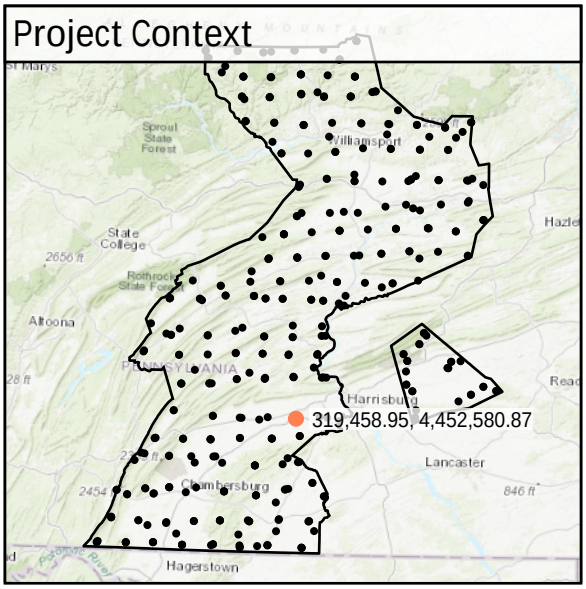
DEM Dz -0.02 m

NVA - BE51

All Points TIN Dz -0.02 m

BE52				
	Known Z	141.77 m	Point Density	3.82 ppsm
	DEM Dz	0.00 m	Ground Density	2.86 ppsm
	All Points TIN Dz	-0.01 m	Slope	0.92 °

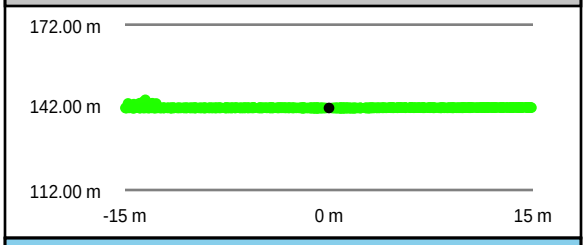
Project Context



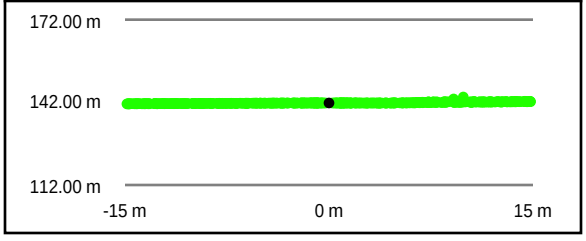
World Imagery



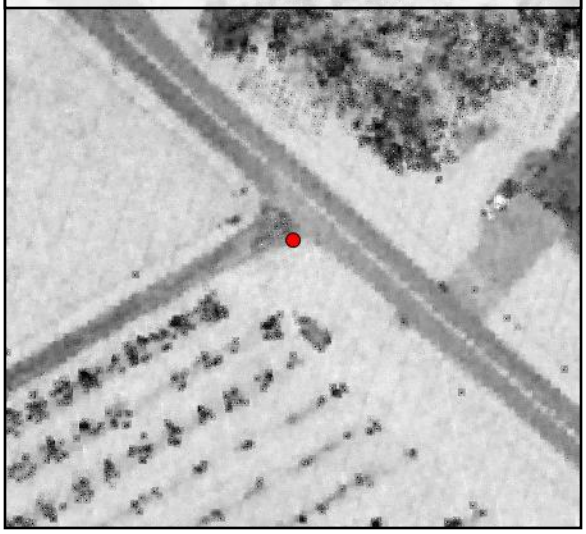
Southwest to Northeast



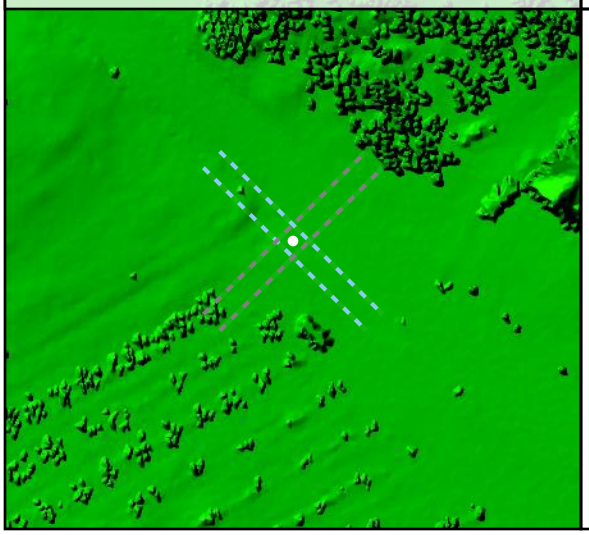
Southeast to Northwest



Intensity Raster



TIN Surface

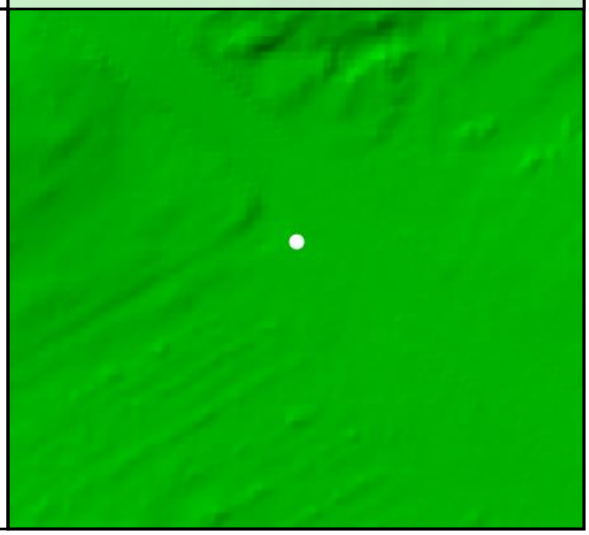


Project Elevation

716.97

103.02

DEM Surface



DEM Dz 0.00 m

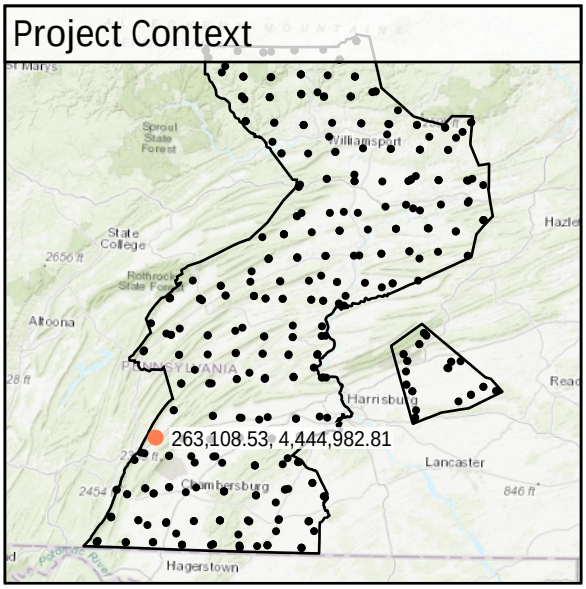
NVA - BE52

All Points TIN Dz -0.01 m

BE53

Known Z	250.26 m	Point Density	5.41 ppsm
DEM Dz	-0.08 m	Ground Density	2.69 ppsm
All Points TIN Dz	-0.08 m	Slope	4.72 °

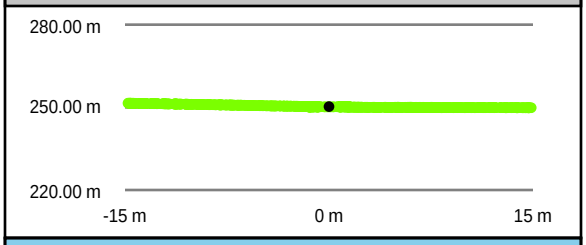
Project Context



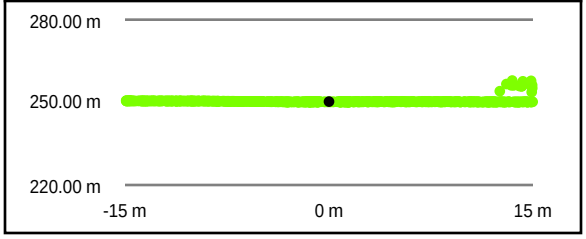
World Imagery



South to North



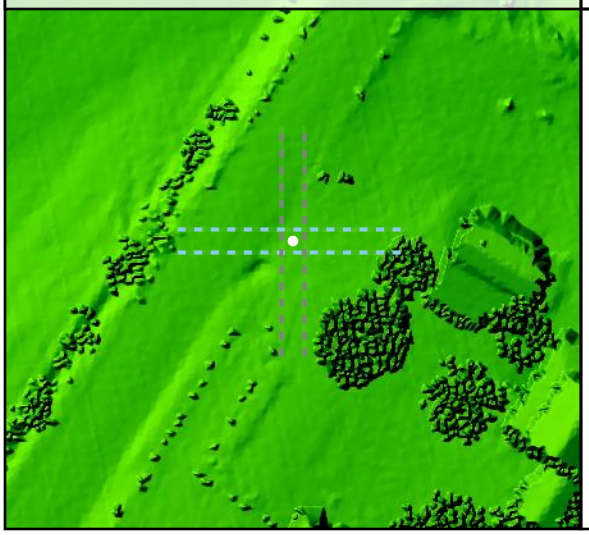
West to East



Intensity Raster



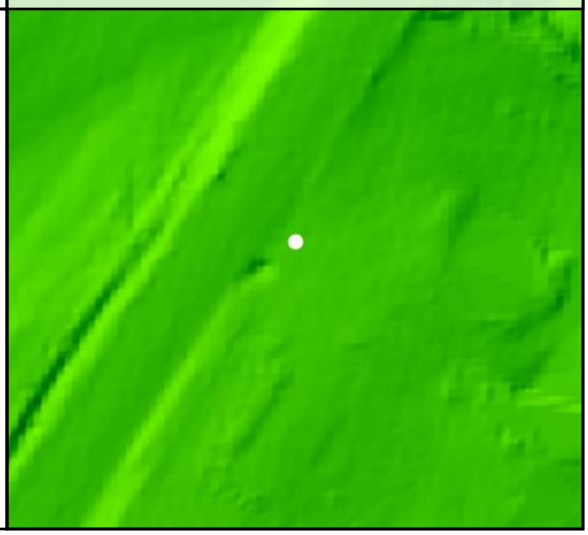
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.08 m

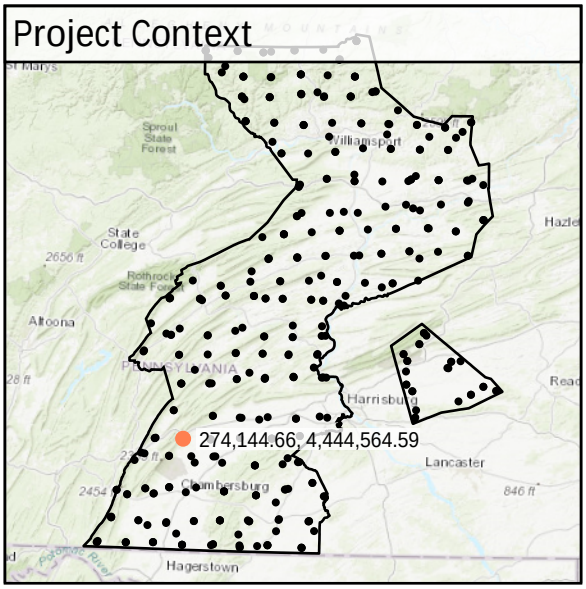
NVA - BE53

All Points TIN Dz -0.08 m

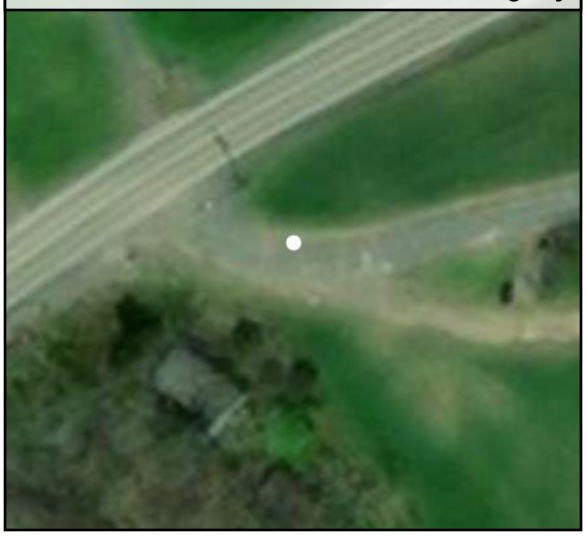
BE54

Known Z	224.13 m	Point Density	5.27 ppsm
DEM Dz	-0.06 m	Ground Density	2.83 ppsm
All Points TIN Dz	-0.04 m	Slope	6.98 °

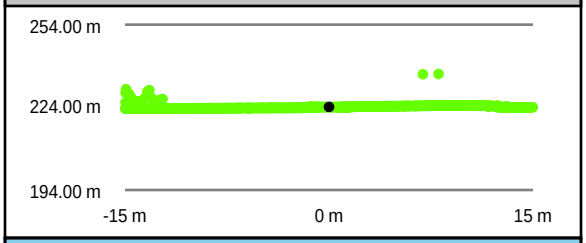
Project Context



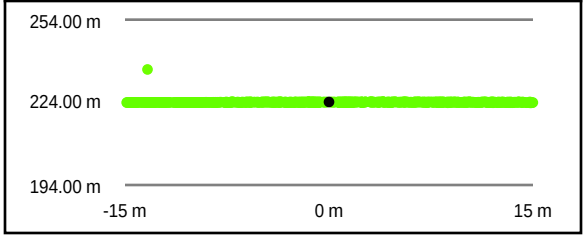
World Imagery



South to North



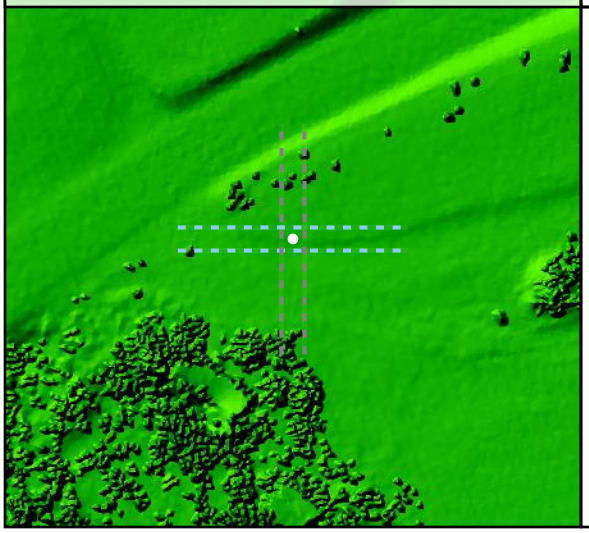
West to East



Intensity Raster



TIN Surface

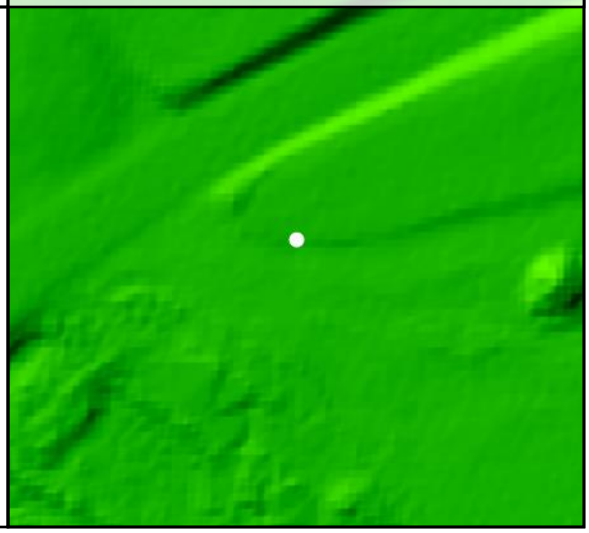


Project Elevation

716.97

103.02

DEM Surface



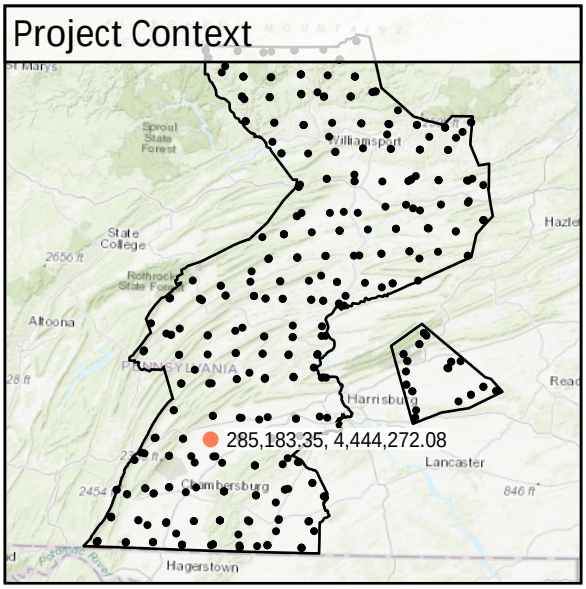
DEM Dz -0.06 m

NVA - BE54

All Points TIN Dz -0.04 m

BE55				
	Known Z	192.18 m	Point Density	2.90 ppsm
	DEM Dz	-0.01 m	Ground Density	2.90 ppsm
	All Points TIN Dz	0.00 m	Slope	4.77 °

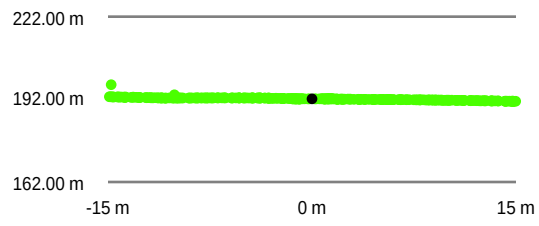
Project Context



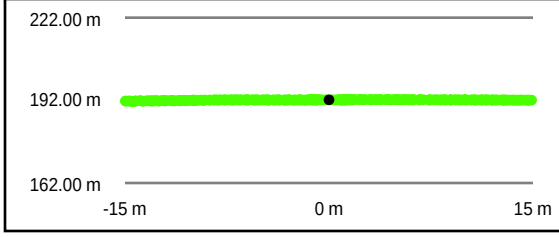
World Imagery



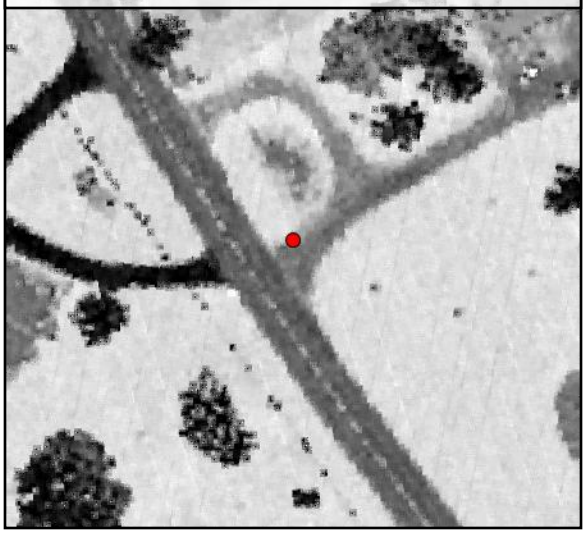
Southwest to Northeast



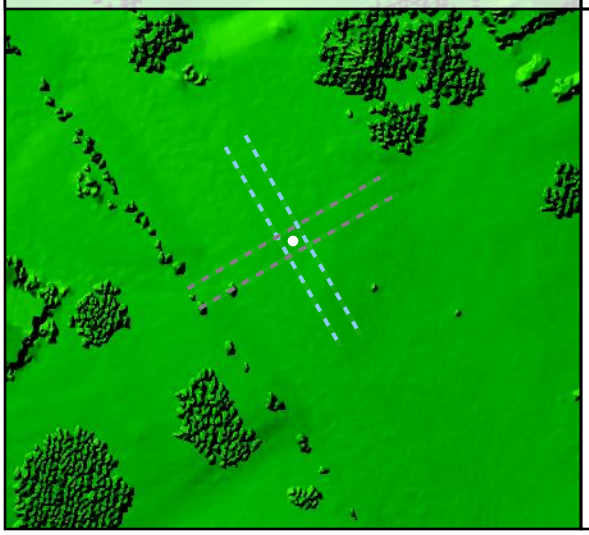
Southeast to Northwest



Intensity Raster



TIN Surface

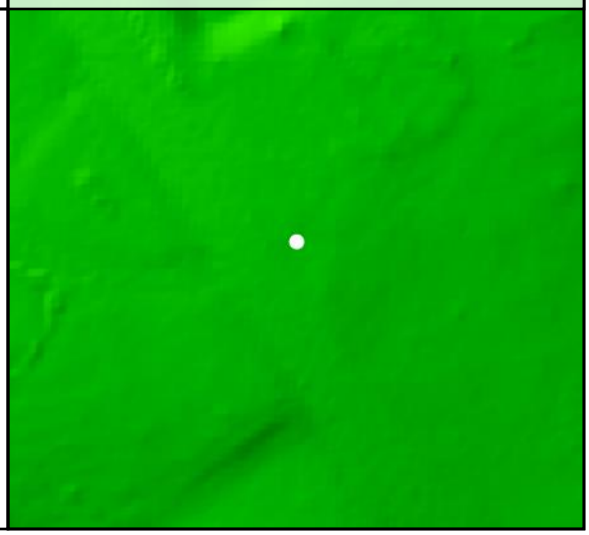


Project Elevation

716.97

103.02

DEM Surface



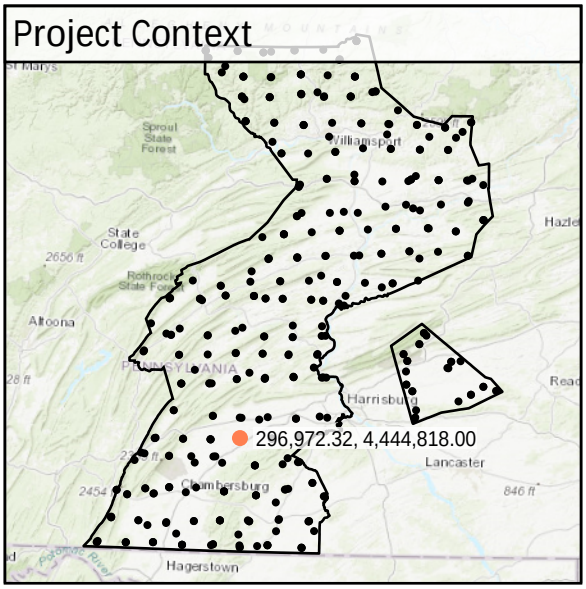
DEM Dz -0.01 m

NVA - BE55

All Points TIN Dz 0.00 m

BE56				
	Known Z	194.34 m	Point Density	4.88 ppsm
	DEM Dz	0.07 m	Ground Density	2.83 ppsm
	All Points TIN Dz	0.08 m	Slope	4.16 °

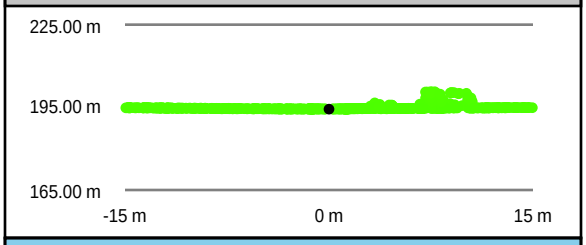
Project Context



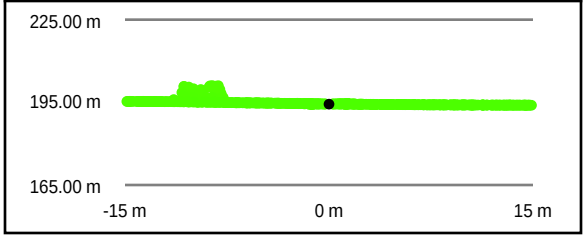
World Imagery



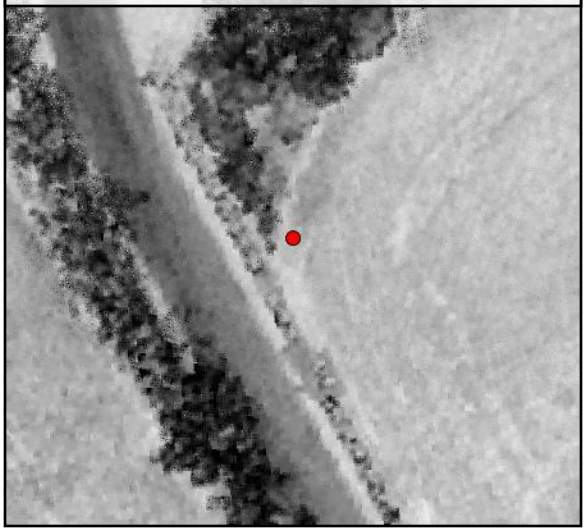
Southeast to Northwest



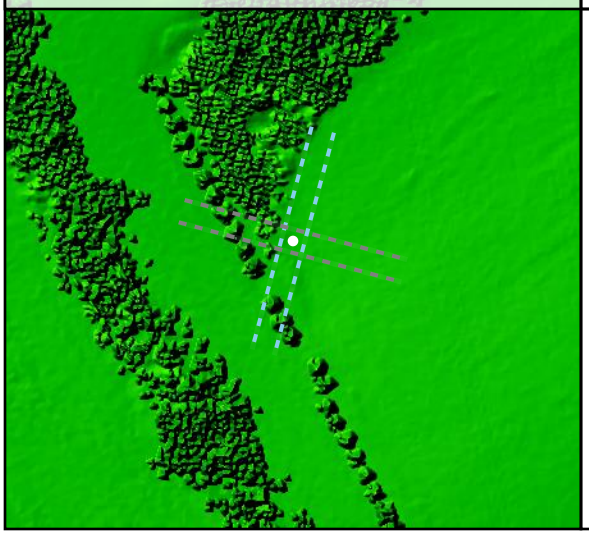
Southwest to Northeast



Intensity Raster



TIN Surface

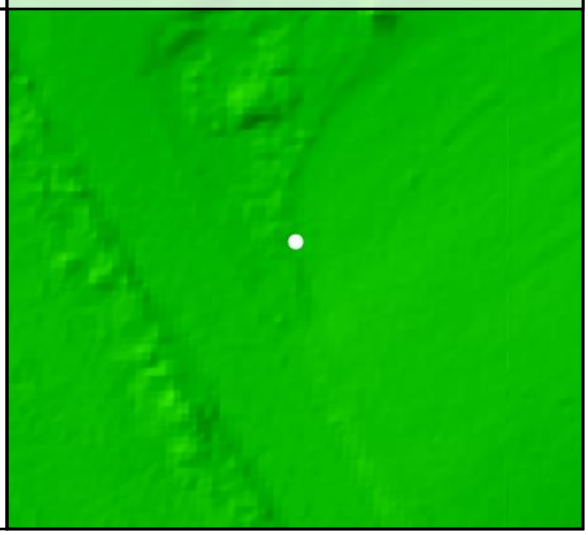


Project Elevation

716.97

103.02

DEM Surface



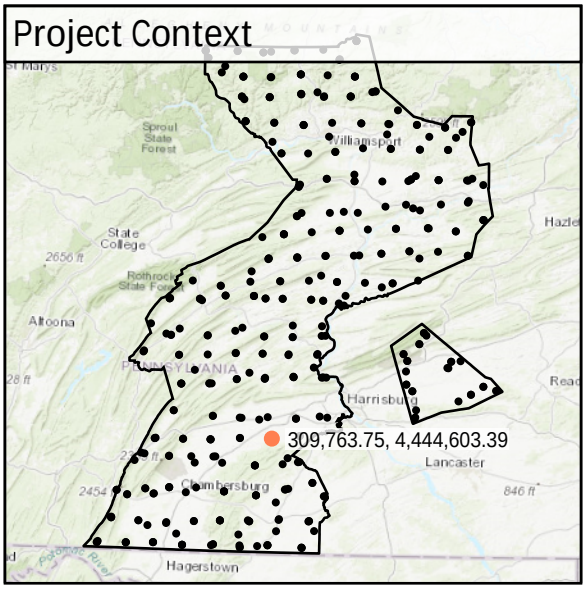
DEM Dz +0.07 m

NVA - BE56

All Points TIN Dz +0.08 m

BE57				
	Known Z	173.76 m	Point Density	5.23 ppsm
	DEM Dz	-0.04 m	Ground Density	2.69 ppsm
	All Points TIN Dz	-0.04 m	Slope	3.90 °

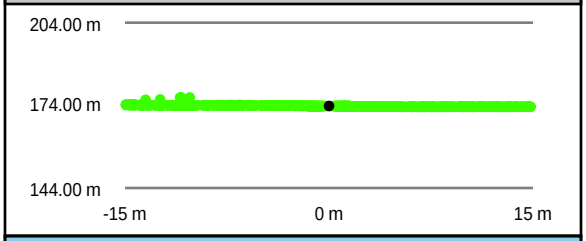
Project Context



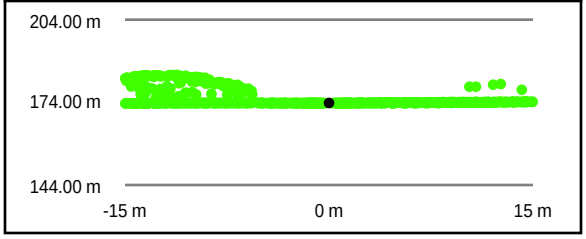
World Imagery



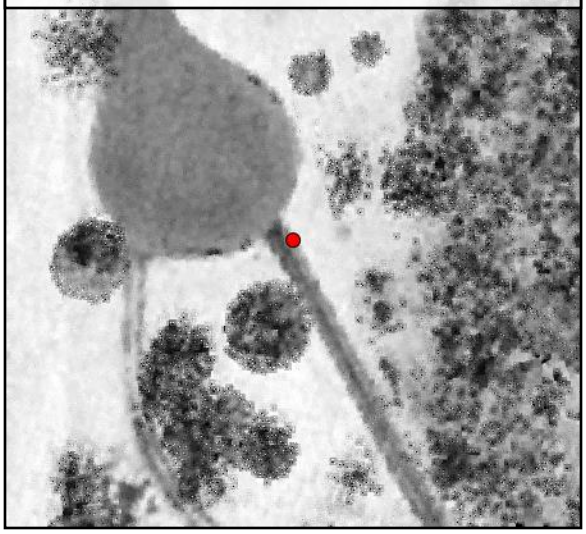
Southeast to Northwest



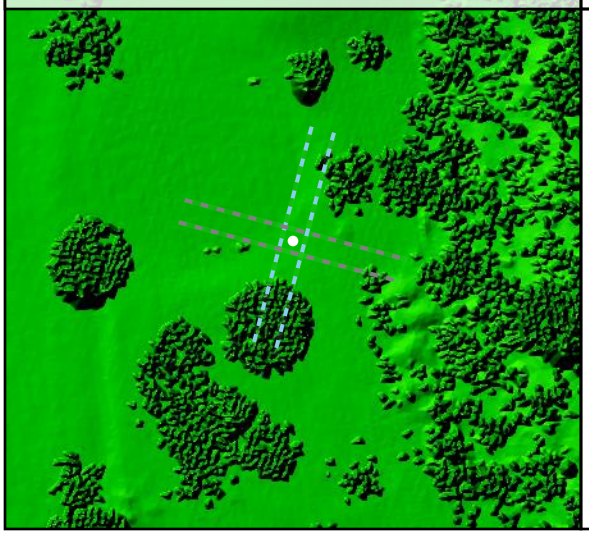
Southwest to Northeast



Intensity Raster



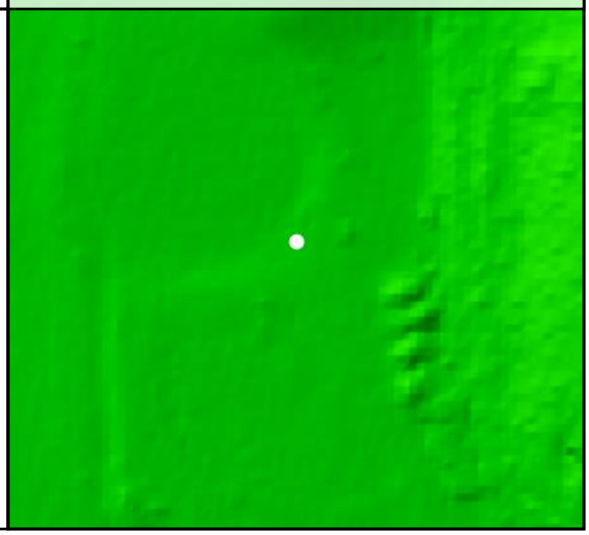
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.04 m

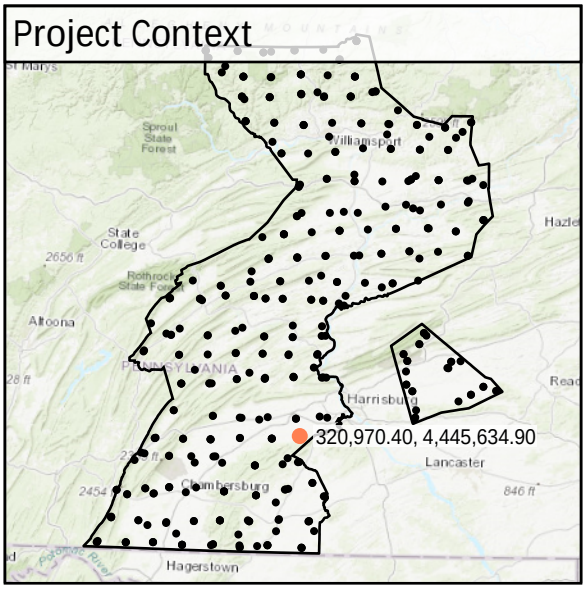
NVA - BE57

All Points TIN Dz -0.04 m

BE58

Known Z	154.93 m	Point Density	2.72 ppsm
DEM Dz	0.00 m	Ground Density	2.72 ppsm
All Points TIN Dz	0.00 m	Slope	1.83 °

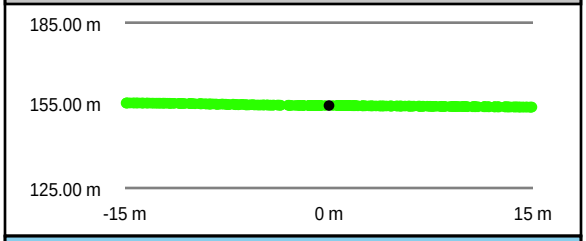
Project Context



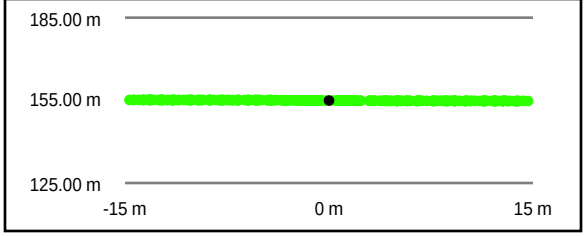
World Imagery



Southwest to Northeast



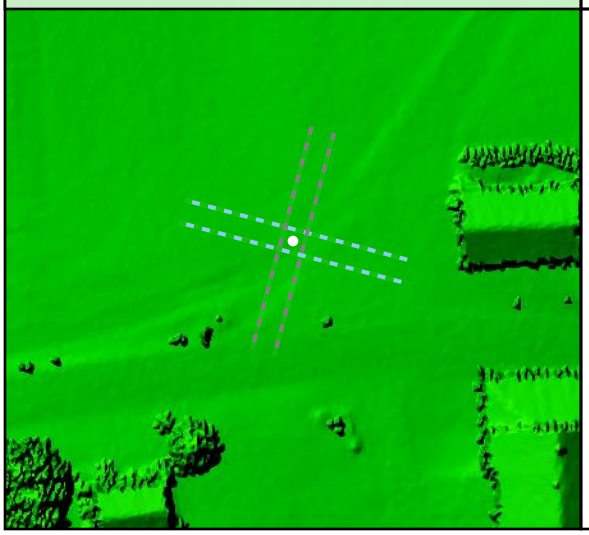
Southeast to Northwest



Intensity Raster



TIN Surface

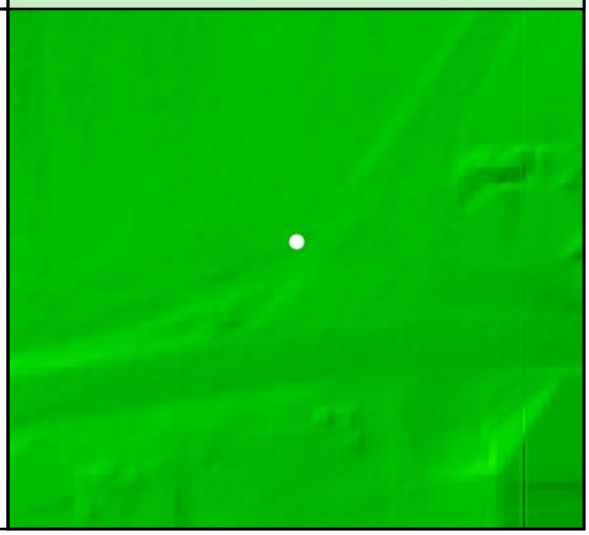


Project Elevation

716.97

103.02

DEM Surface



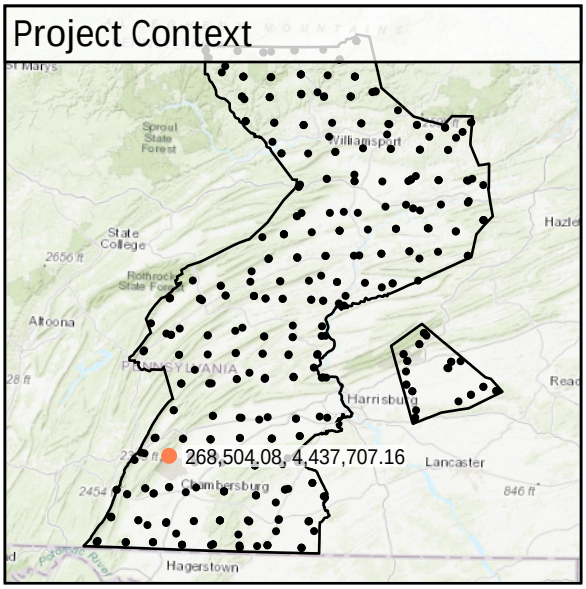
DEM Dz 0.00 m

NVA - BE58

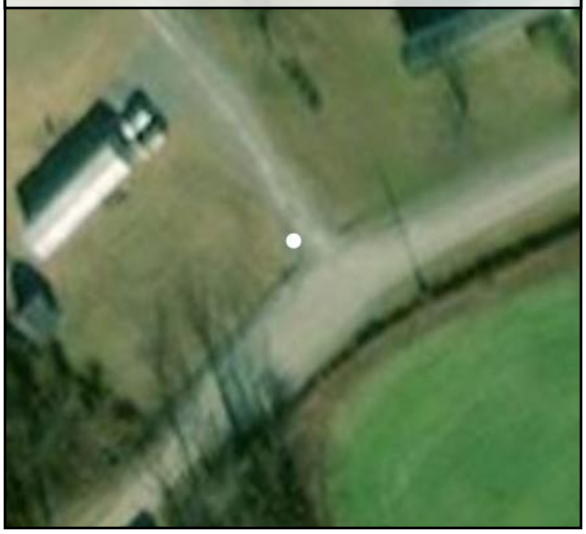
All Points TIN Dz +0.00 m

BE59				
	Known Z	226.85 m	Point Density	5.23 ppsm
	DEM Dz	-0.04 m	Ground Density	2.65 ppsm
	All Points TIN Dz	-0.04 m	Slope	1.99 °

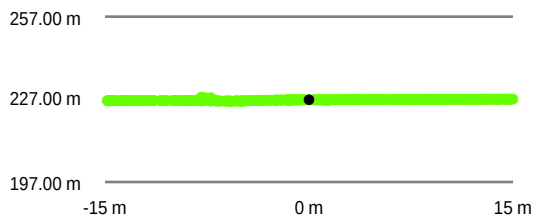
Project Context



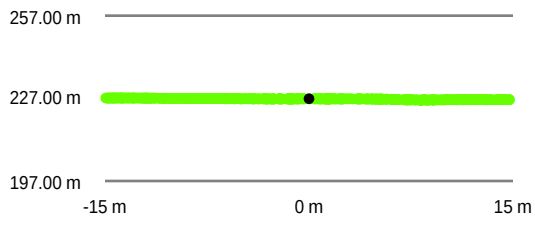
World Imagery



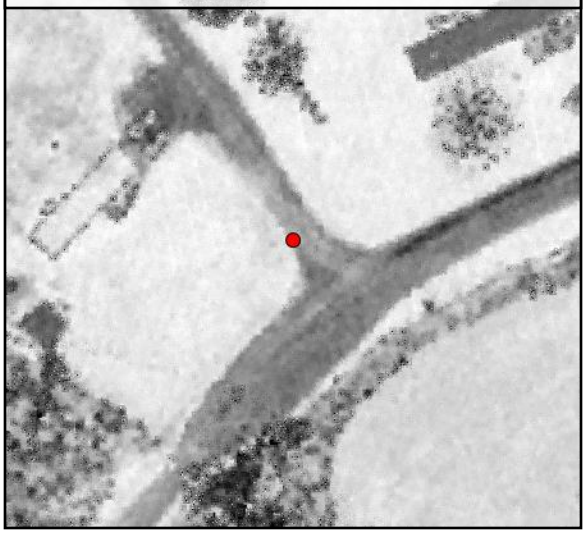
South to North



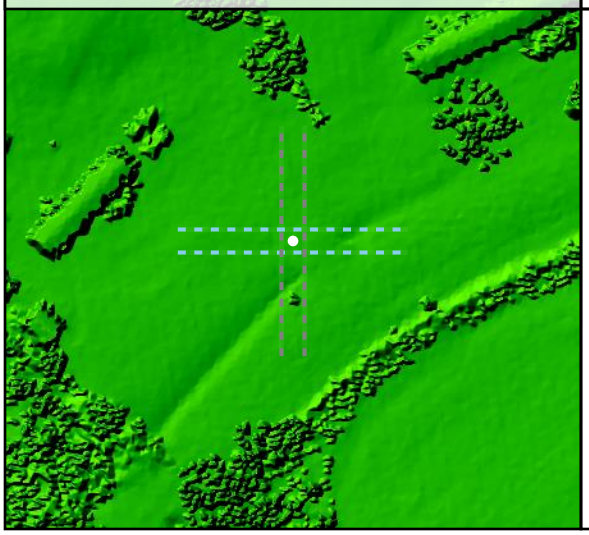
West to East



Intensity Raster



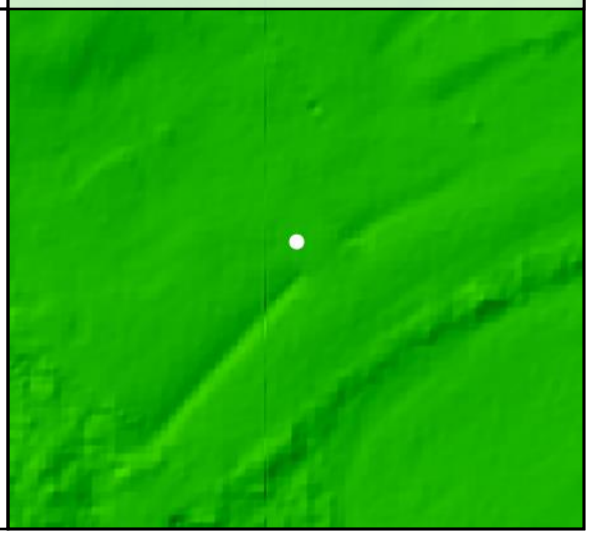
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.04 m

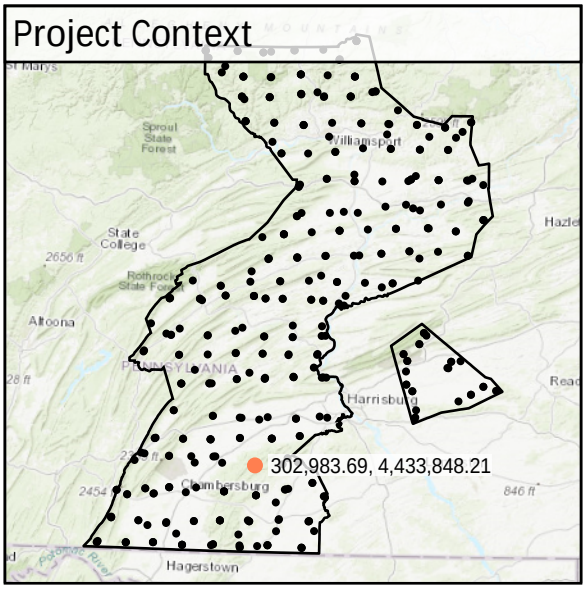
NVA - BE59

All Points TIN Dz -0.04 m

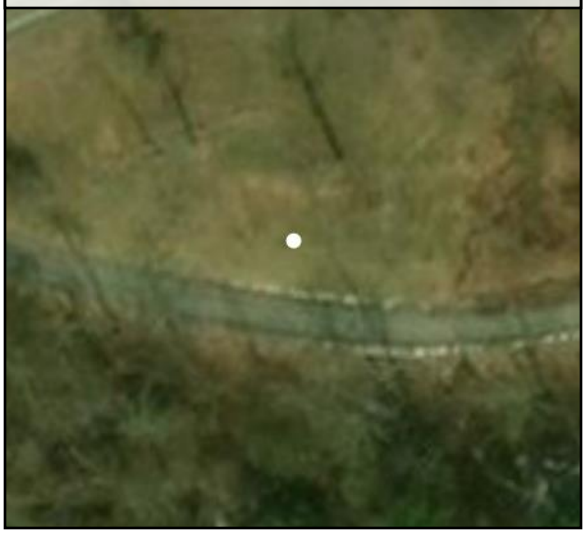
BE60

Known Z	267.56 m	Point Density	5.34 ppsm
DEM Dz	0.05 m	Ground Density	3.18 ppsm
All Points TIN Dz	0.05 m	Slope	6.40 °

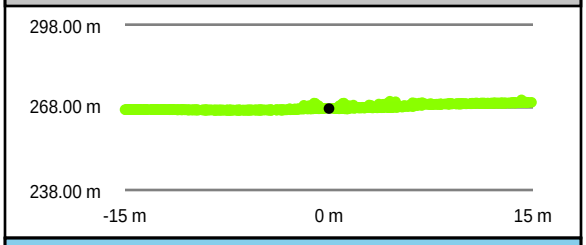
Project Context



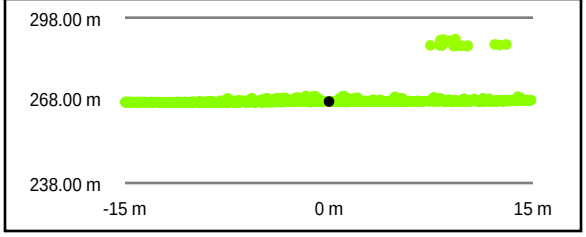
World Imagery



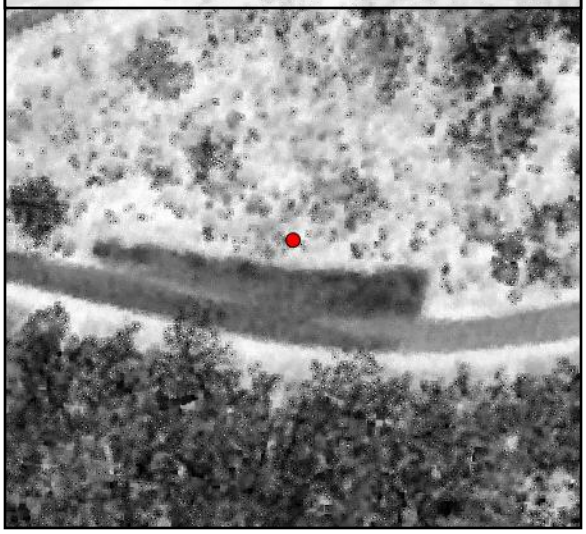
Southeast to Northwest



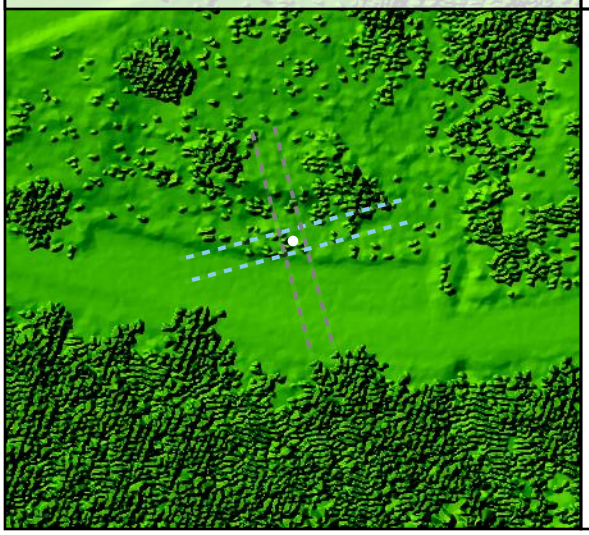
Southwest to Northeast



Intensity Raster



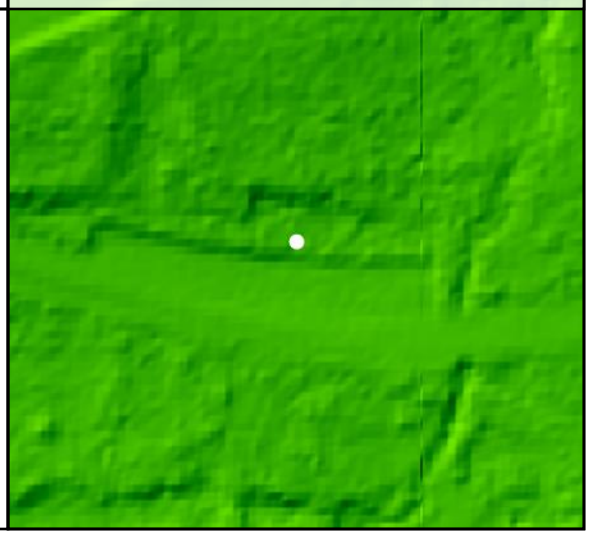
TIN Surface



Project Elevation



DEM Surface



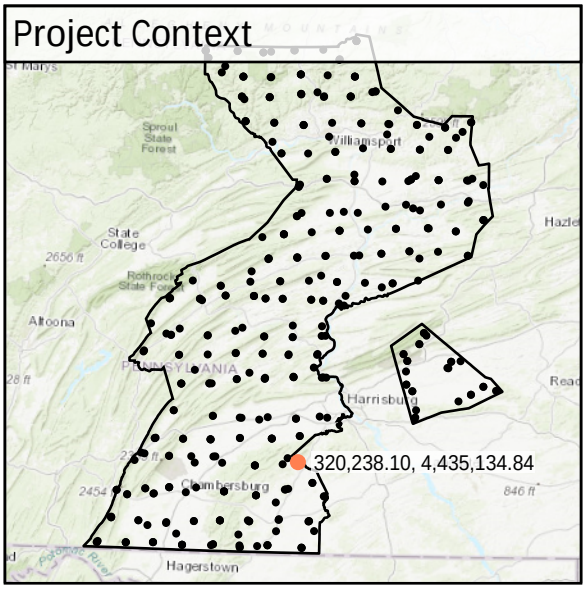
DEM Dz +0.05 m

NVA - BE60

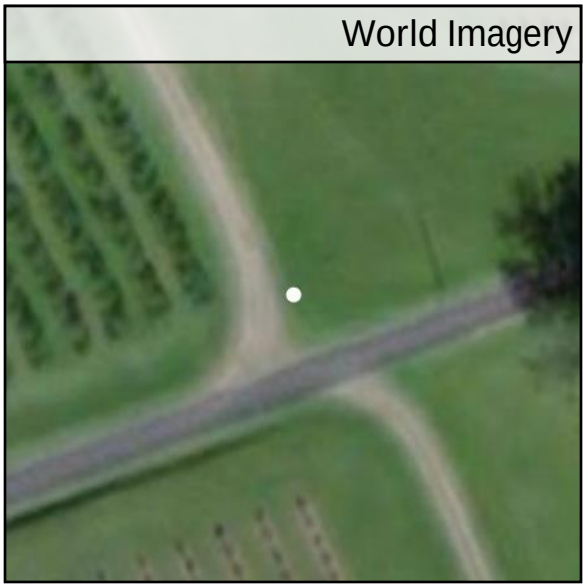
All Points TIN Dz +0.05 m

BE61				
	Known Z	184.53 m	Point Density	4.99 ppsm
	DEM Dz	-0.03 m	Ground Density	2.69 ppsm
	All Points TIN Dz	-0.01 m	Slope	1.17 °

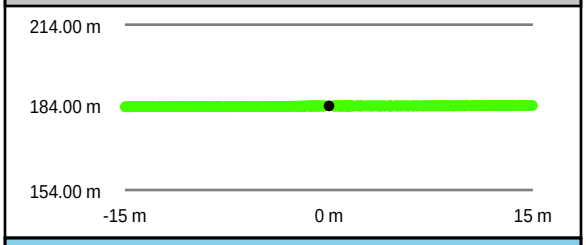
Project Context



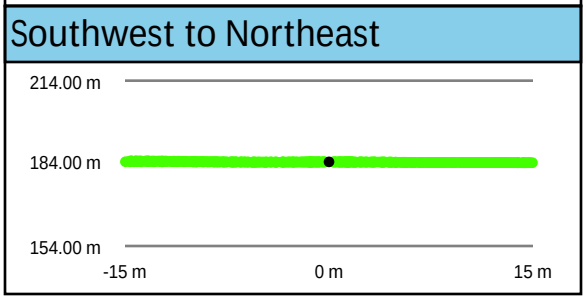
World Imagery



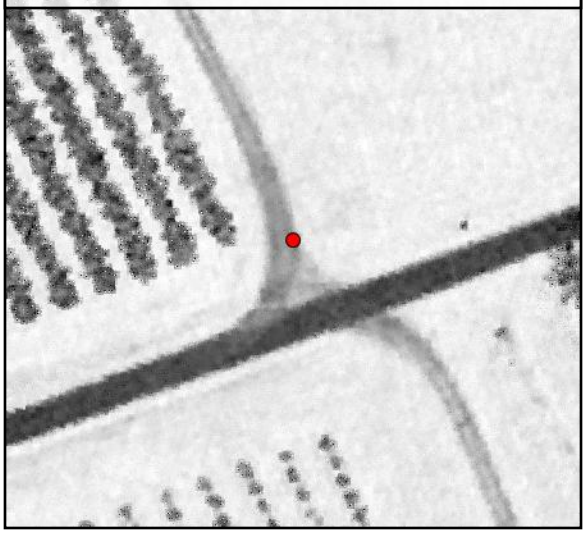
Southeast to Northwest



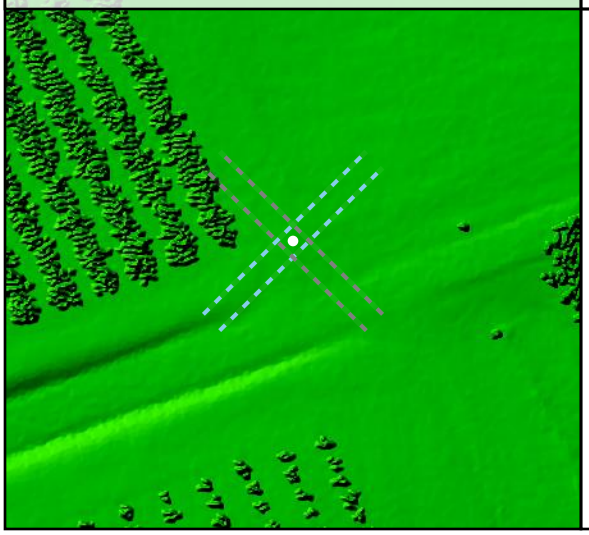
Southwest to Northeast



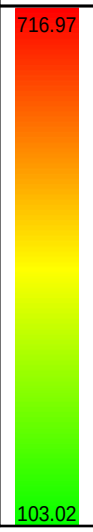
Intensity Raster



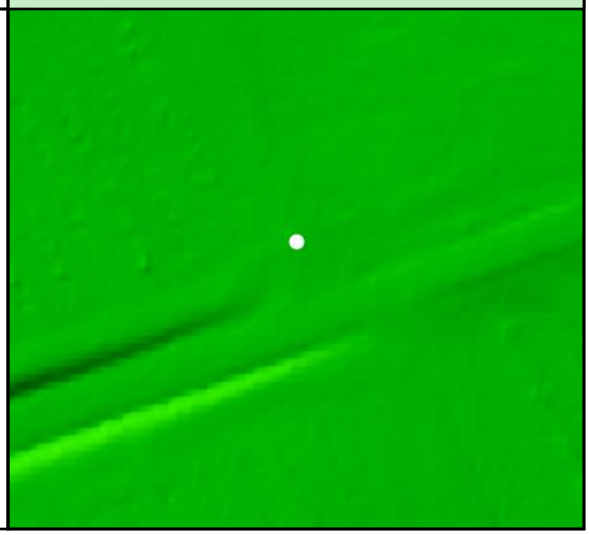
TIN Surface



Project Elevation



DEM Surface



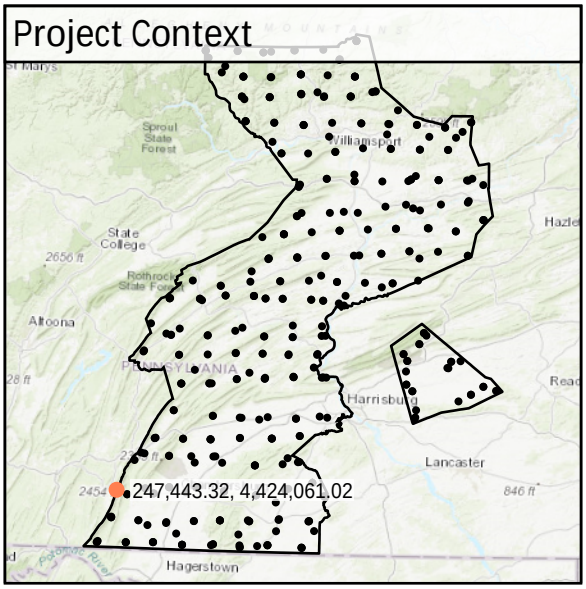
DEM Dz -0.03 m

NVA - BE61

All Points TIN Dz -0.01 m

BE62				
	Known Z	697.09 m	Point Density	4.14 ppsm
	DEM Dz	0.01 m	Ground Density	4.14 ppsm
	All Points TIN Dz	0.01 m	Slope	3.63 °

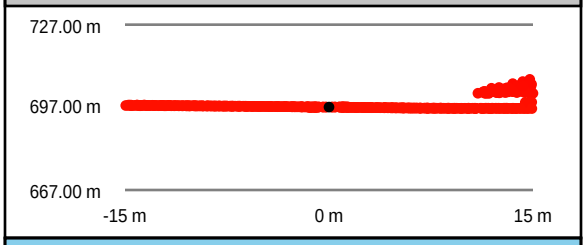
Project Context



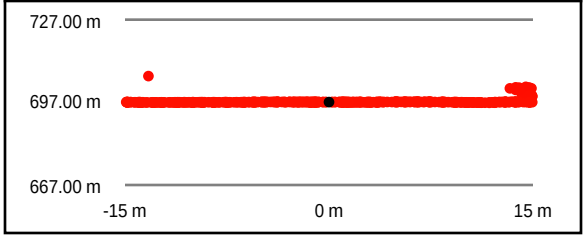
World Imagery



Southwest to Northeast



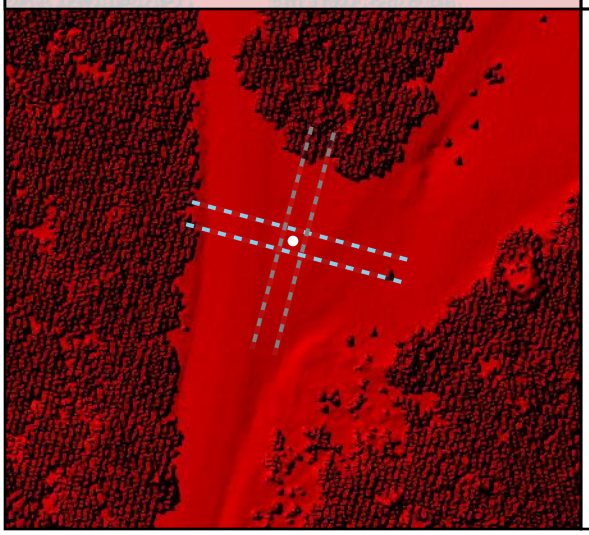
Southeast to Northwest



Intensity Raster



TIN Surface

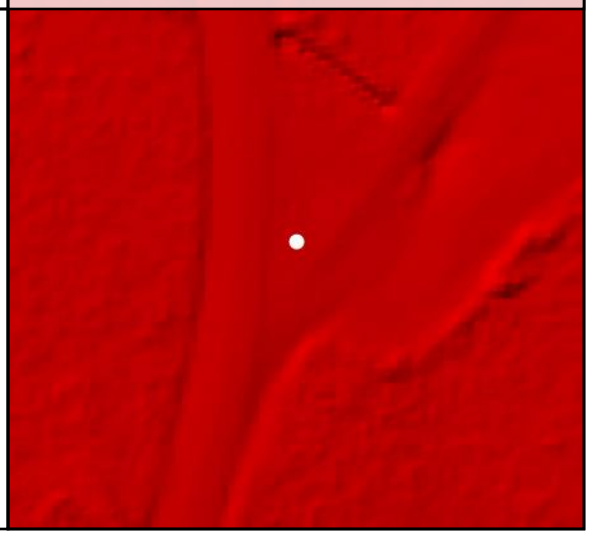


Project Elevation

716.97

103.02

DEM Surface



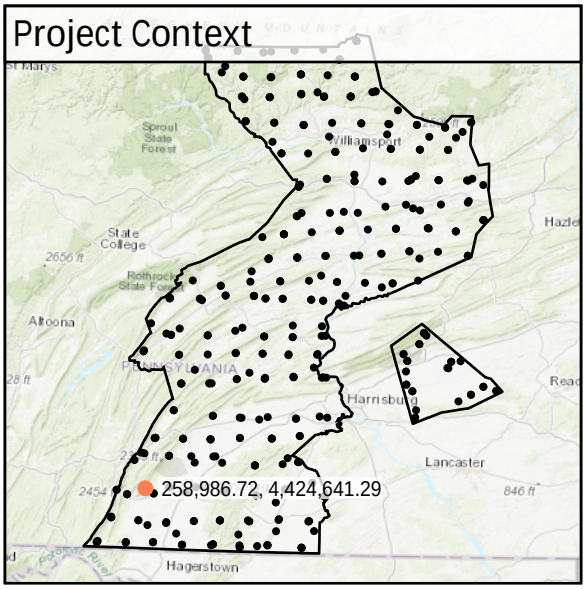
DEM Dz +0.01 m

NVA - BE62

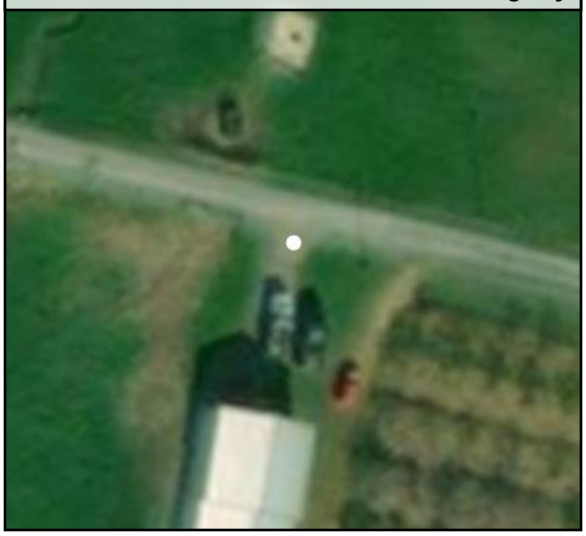
All Points TIN Dz +0.01 m

BE63				
	Known Z	222.09 m	Point Density	5.34 ppsm
	DEM Dz	0.05 m	Ground Density	2.97 ppsm
	All Points TIN Dz	0.06 m	Slope	3.87 °

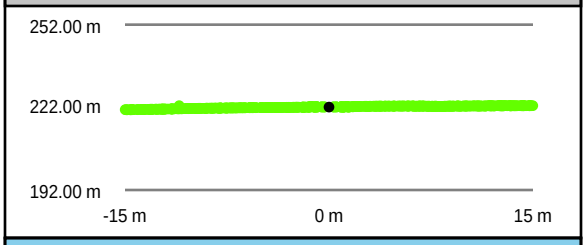
Project Context



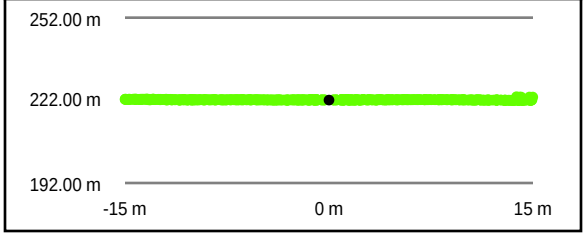
World Imagery



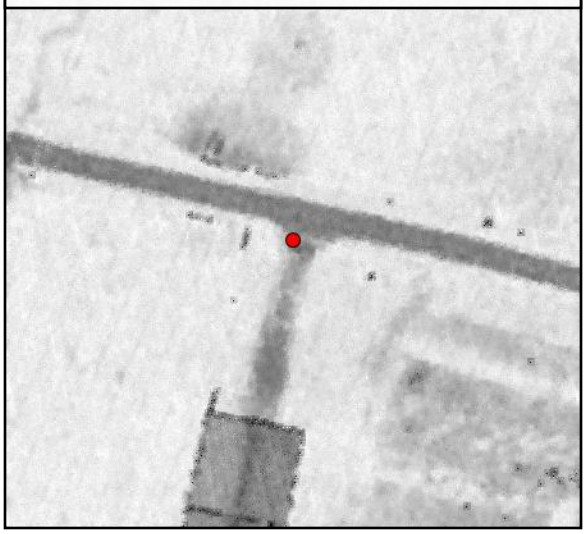
Southwest to Northeast



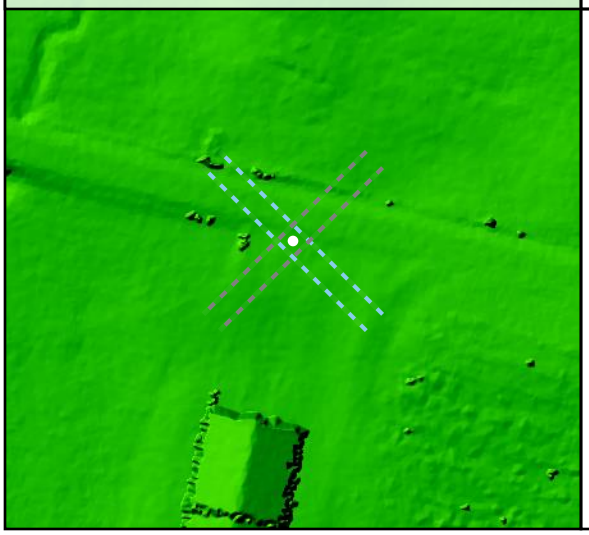
Southeast to Northwest



Intensity Raster



TIN Surface

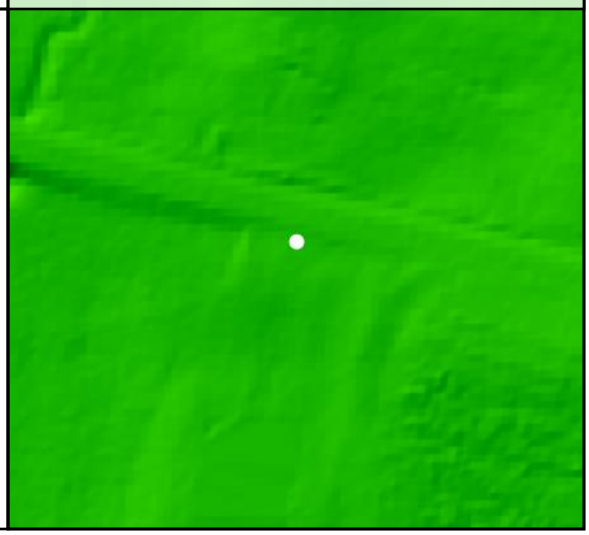


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.05 m

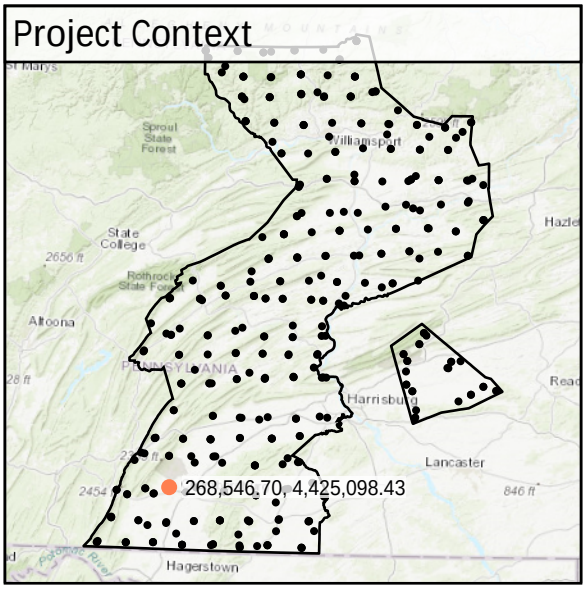
NVA - BE63

All Points TIN Dz +0.06 m

BE64

Known Z	226.84 m	Point Density	5.23 ppsm
DEM Dz	0.03 m	Ground Density	2.90 ppsm
All Points TIN Dz	0.03 m	Slope	1.71 °

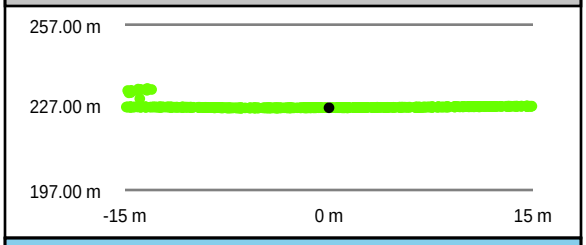
Project Context



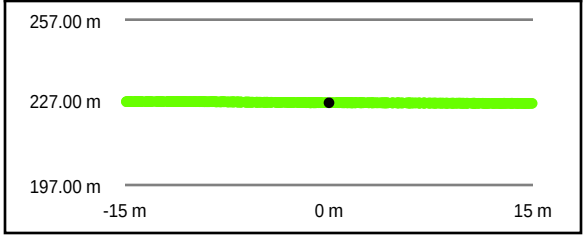
World Imagery



Southwest to Northeast



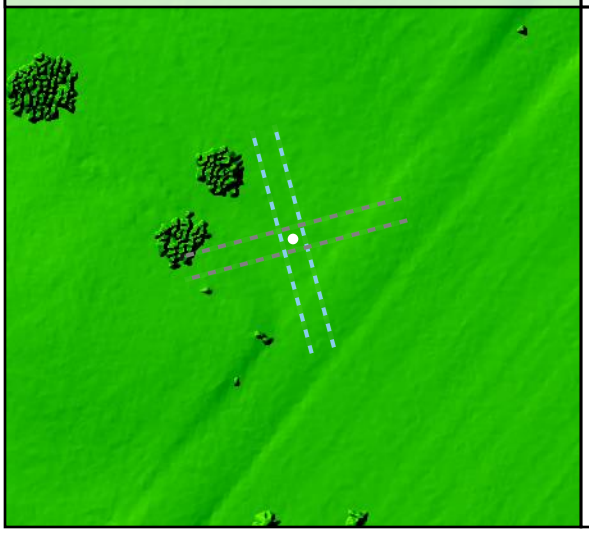
Southeast to Northwest



Intensity Raster



TIN Surface

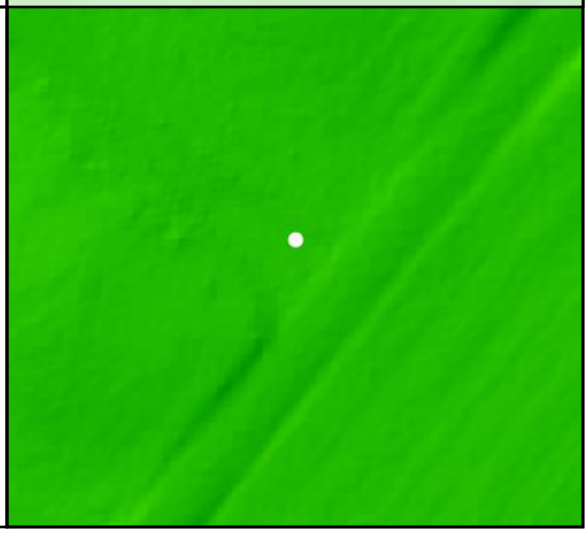


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.03 m

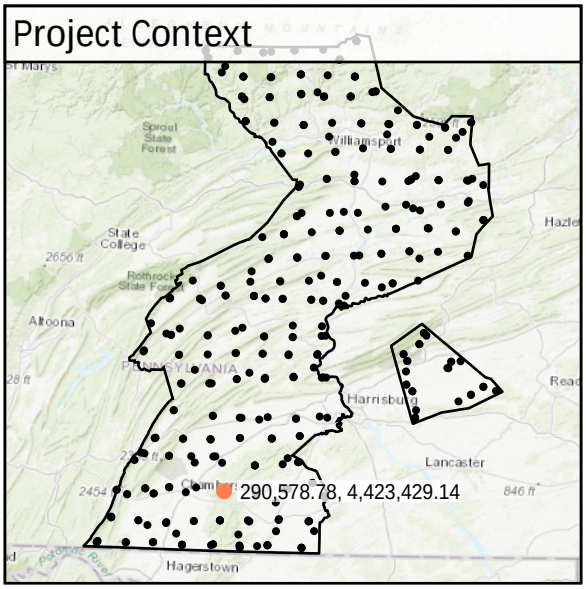
NVA - BE64

All Points TIN Dz +0.03 m

BE65

Known Z	415.41 m	Point Density	5.69 ppsm
DEM Dz	-0.05 m	Ground Density	3.11 ppsm
All Points TIN Dz	-0.05 m	Slope	0.66 °

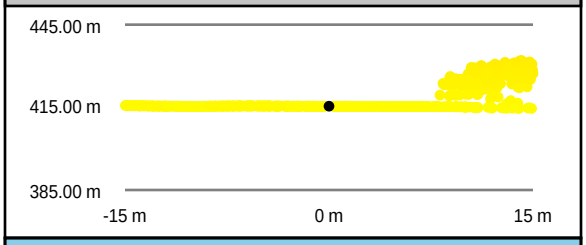
Project Context



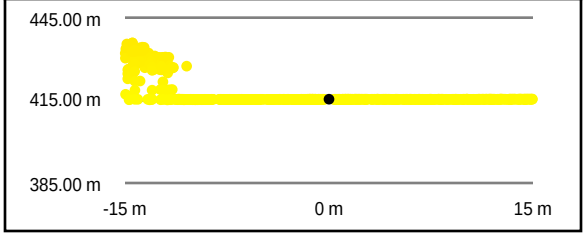
World Imagery



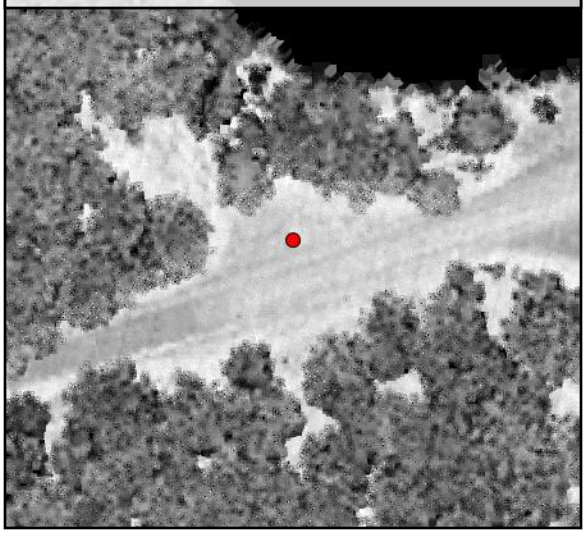
South to North



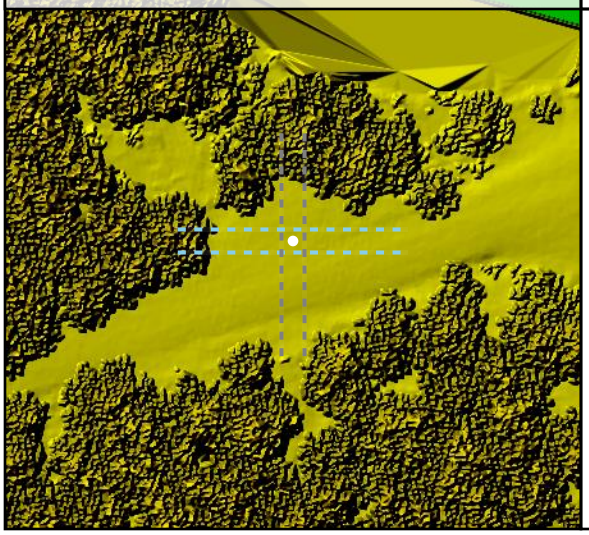
West to East



Intensity Raster



TIN Surface

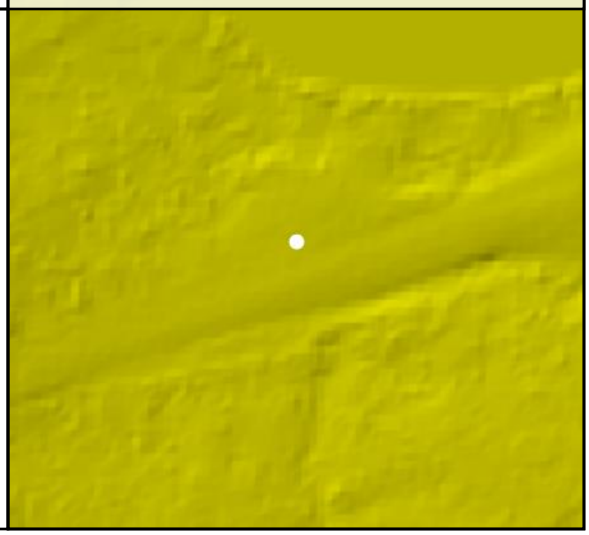


Project Elevation

716.97

103.02

DEM Surface



DEM Dz -0.05 m

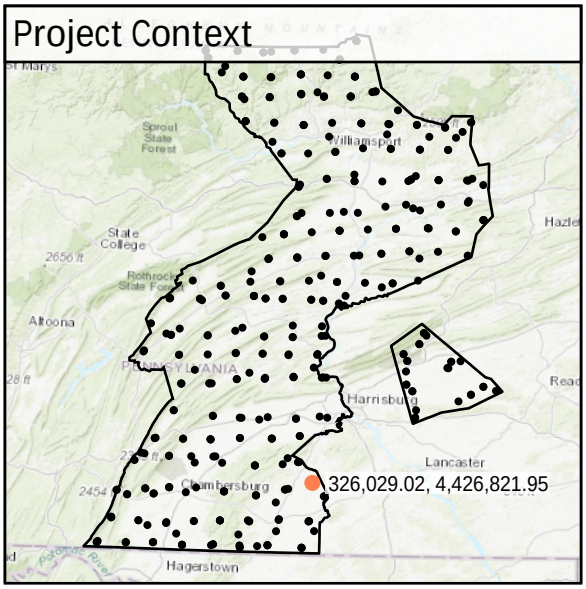
NVA - BE65

All Points TIN Dz -0.05 m

BE66

Known Z	154.59 m	Point Density	4.60 ppsm
DEM Dz	0.05 m	Ground Density	2.41 ppsm
All Points TIN Dz	0.05 m	Slope	0.85 °

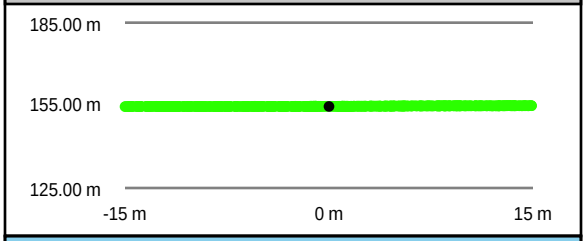
Project Context



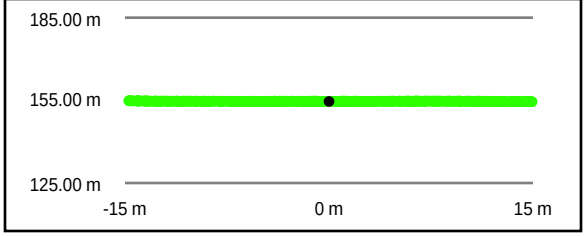
World Imagery



Southwest to Northeast



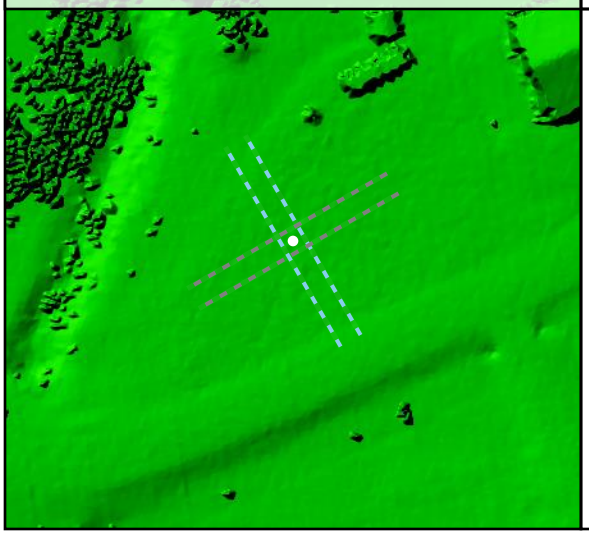
Southeast to Northwest



Intensity Raster



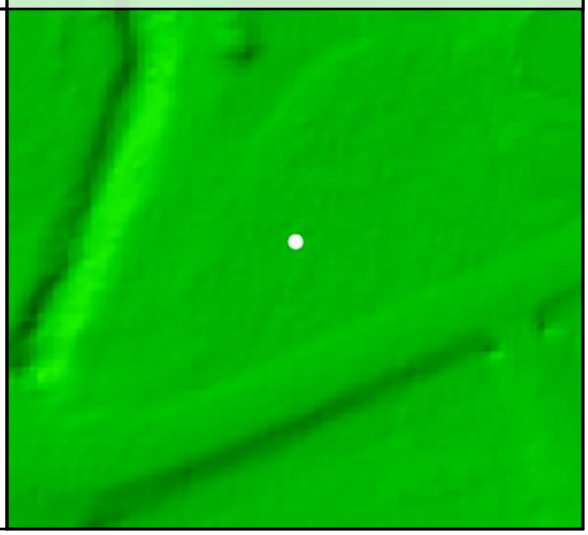
TIN Surface



Project Elevation



DEM Surface



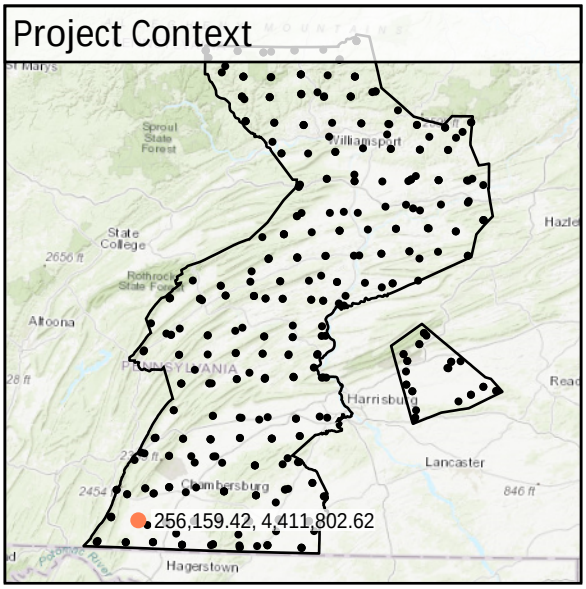
DEM Dz +0.05 m

NVA - BE66

All Points TIN Dz +0.05 m

BE67				
	Known Z	173.22 m	Point Density	4.00 ppsm
	DEM Dz	-0.01 m	Ground Density	2.90 ppsm
	All Points TIN Dz	0.01 m	Slope	1.57 °

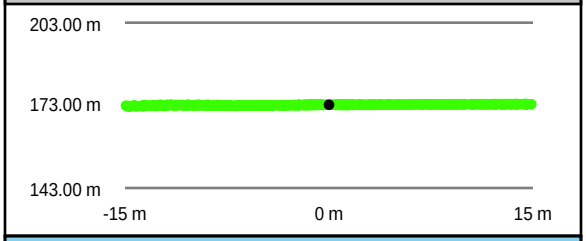
Project Context



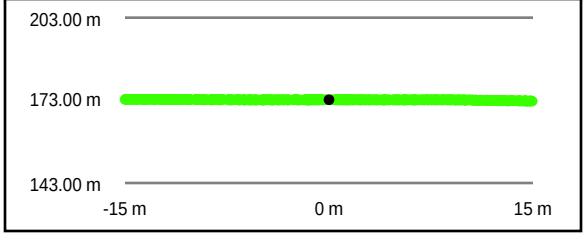
World Imagery



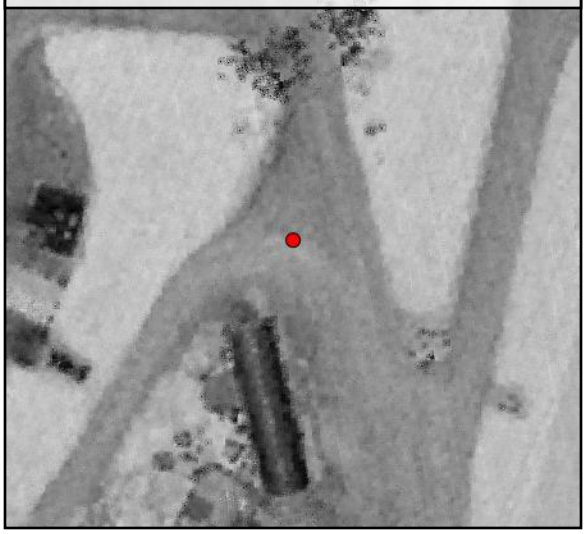
Southwest to Northeast



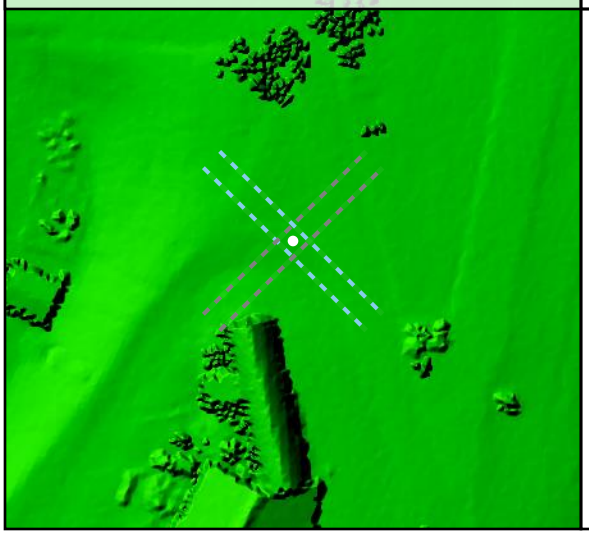
Southeast to Northwest



Intensity Raster



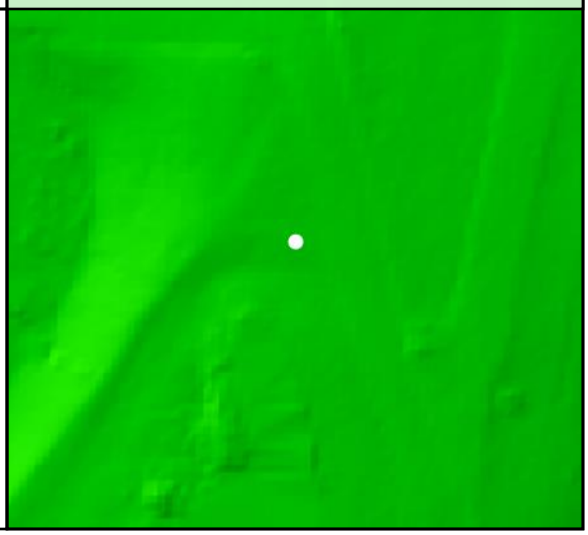
TIN Surface



Project Elevation



DEM Surface



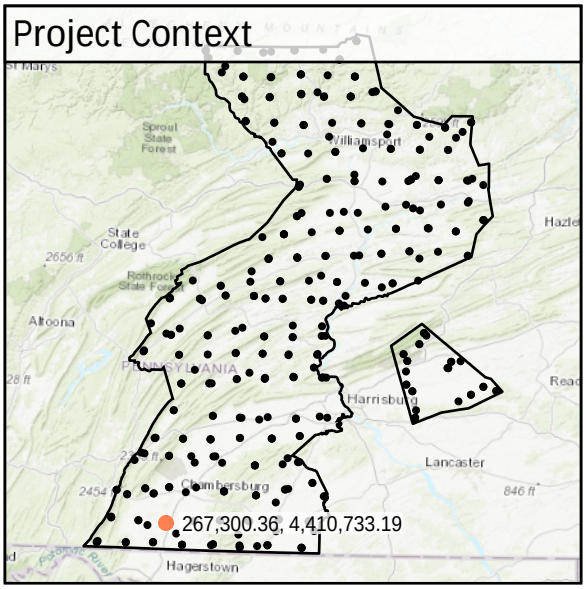
DEM Dz -0.01 m

NVA - BE67

All Points TIN Dz +0.01 m

BE68				
	Known Z	173.24 m	Point Density	4.81 ppsm
	DEM Dz	0.03 m	Ground Density	2.79 ppsm
	All Points TIN Dz	0.04 m	Slope	0.72 °

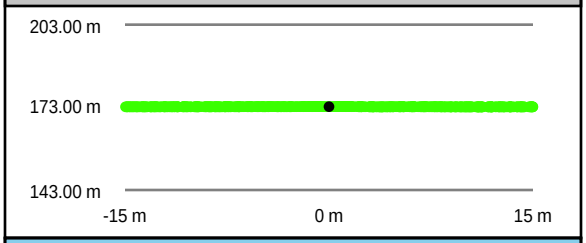
Project Context



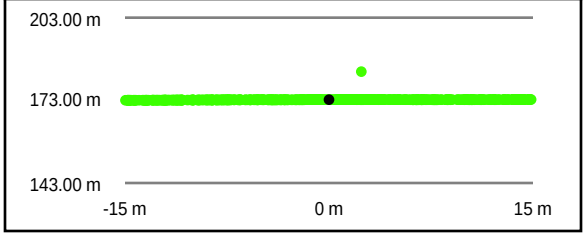
World Imagery



South to North



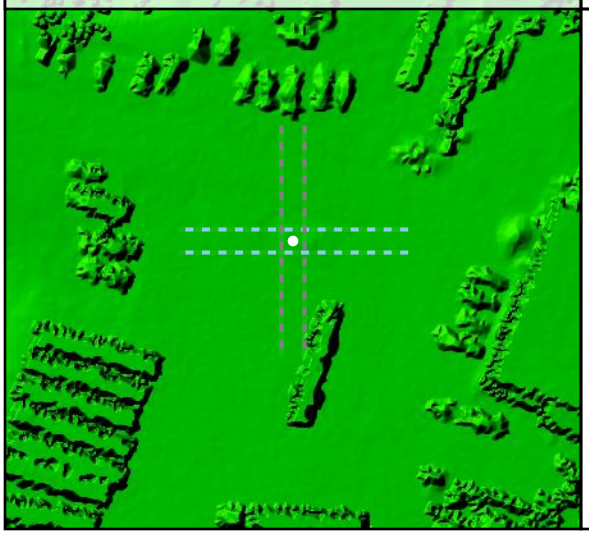
West to East



Intensity Raster



TIN Surface

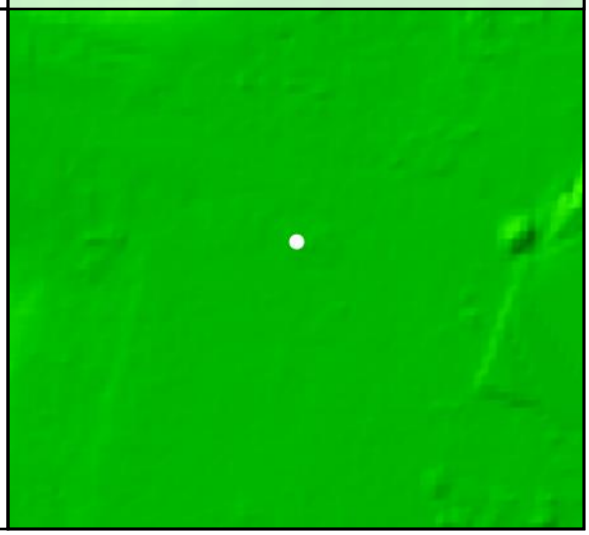


Project Elevation

716.97

103.02

DEM Surface



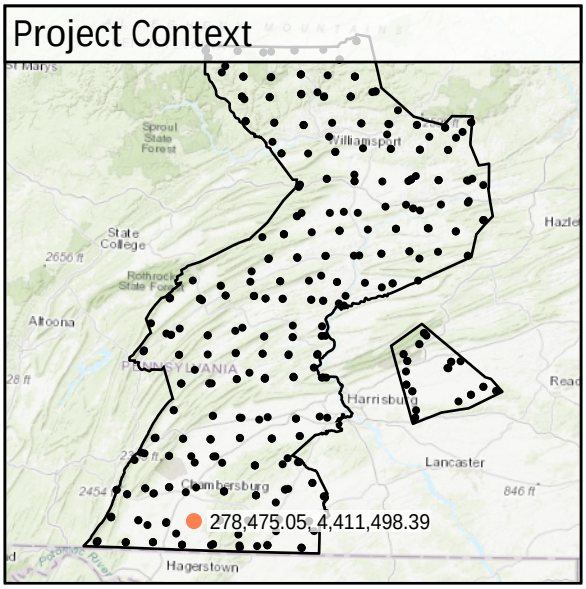
DEM Dz +0.03 m

NVA - BE68

All Points TIN Dz +0.04 m

BE69				
	Known Z	257.88 m	Point Density	5.66 ppsm
	DEM Dz	0.05 m	Ground Density	3.47 ppsm
	All Points TIN Dz	0.04 m	Slope	2.98 °

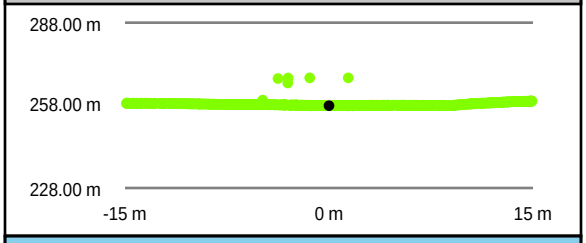
Project Context



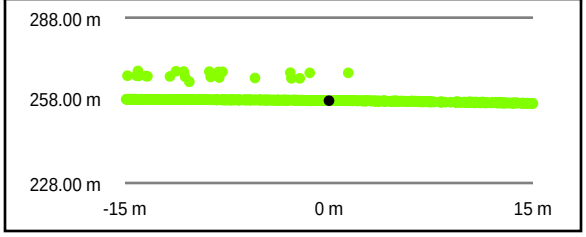
World Imagery



Southwest to Northeast



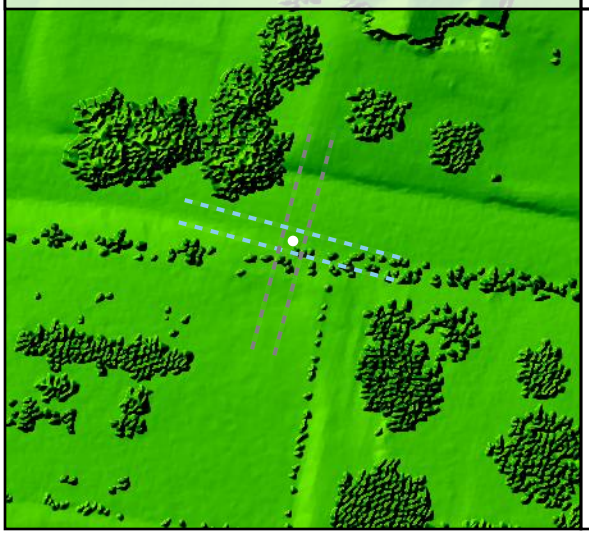
Southeast to Northwest



Intensity Raster



TIN Surface

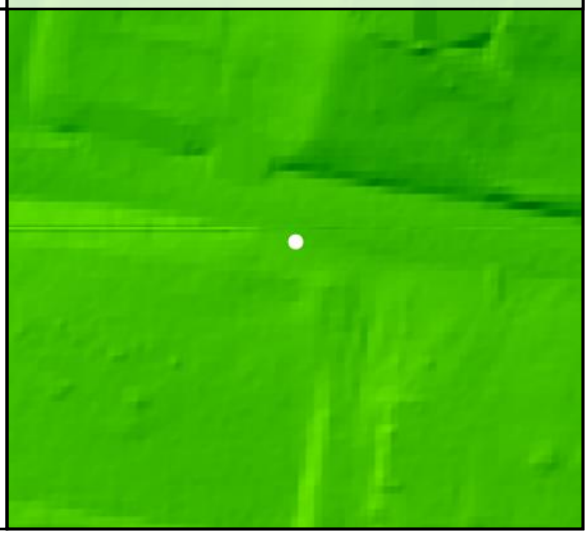


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.05 m

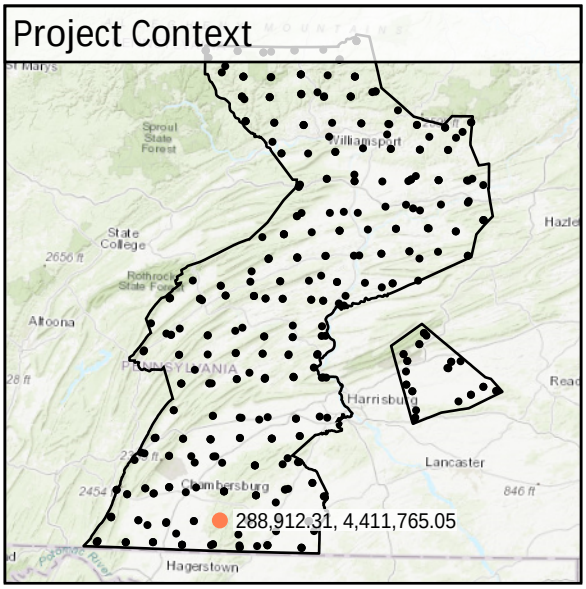
NVA - BE69

All Points TIN Dz +0.04 m

BE70

Known Z	429.57 m	Point Density	5.31 ppsm
DEM Dz	0.12 m	Ground Density	3.36 ppsm
All Points TIN Dz	0.11 m	Slope	1.84 °

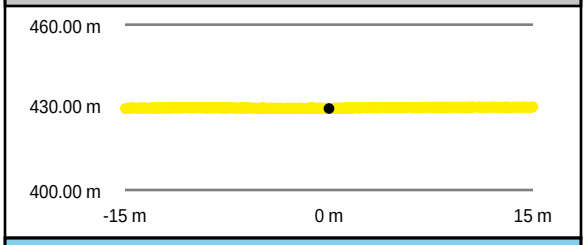
Project Context



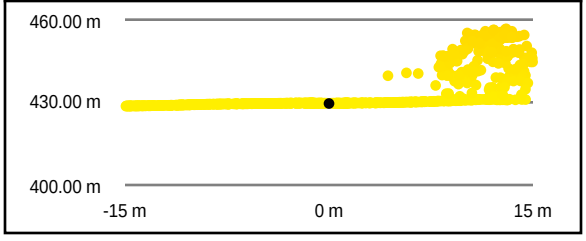
World Imagery



Southeast to Northwest



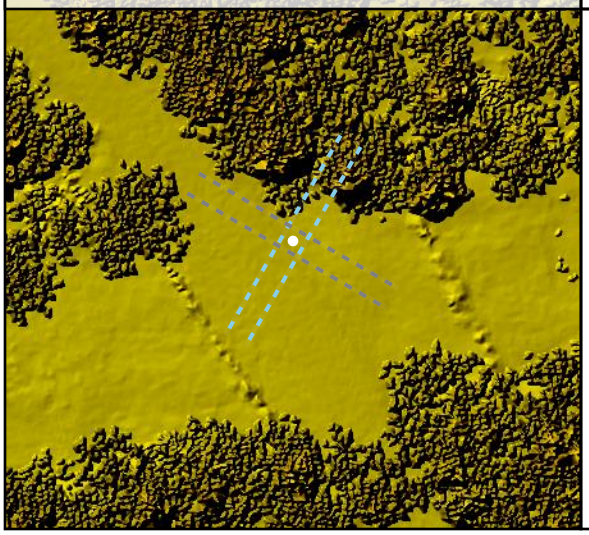
Southwest to Northeast



Intensity Raster



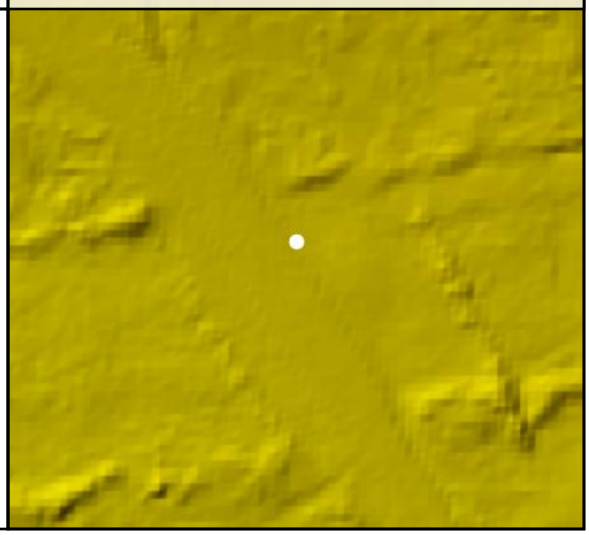
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.12 m

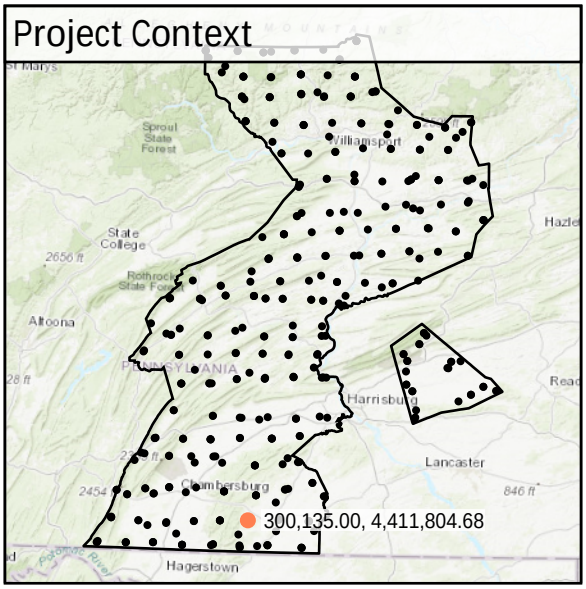
NVA - BE70

All Points TIN Dz +0.11 m

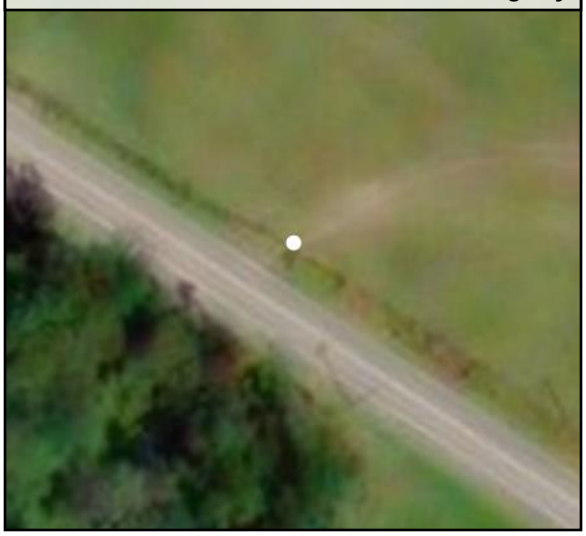
BE71

Known Z	188.96 m	Point Density	5.31 ppsm
DEM Dz	0.01 m	Ground Density	3.11 ppsm
All Points TIN Dz	-0.01 m	Slope	2.65 °

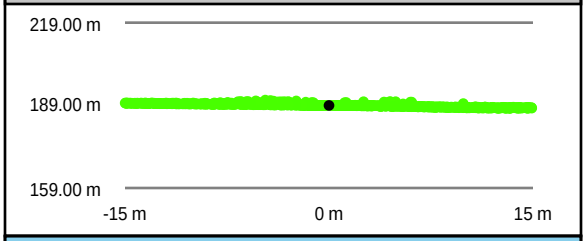
Project Context



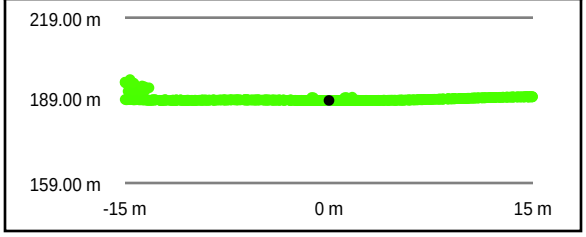
World Imagery



Southeast to Northwest



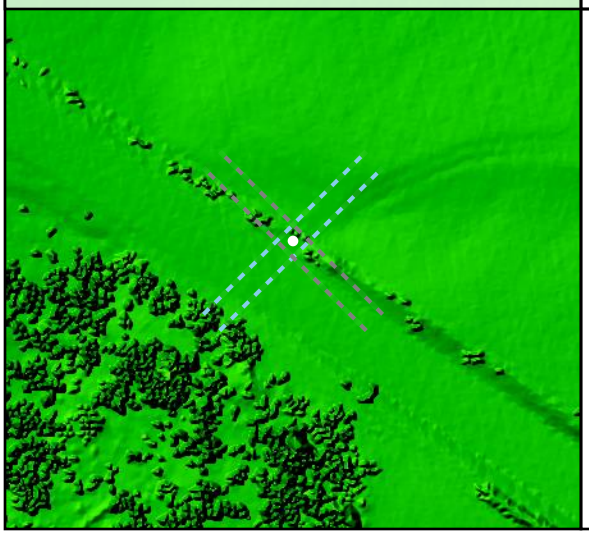
Southwest to Northeast



Intensity Raster



TIN Surface

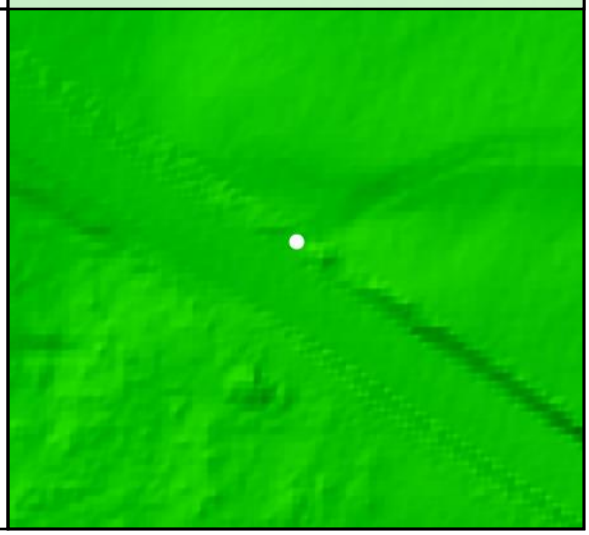


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.01 m

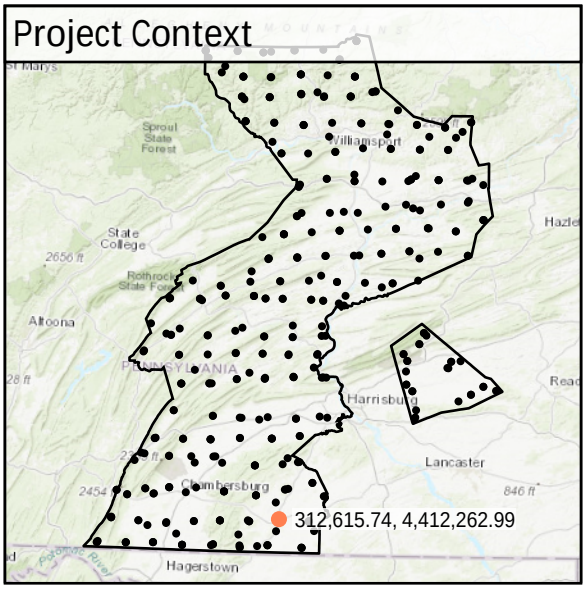
NVA - BE71

All Points TIN Dz -0.01 m

BE72

Known Z	163.79 m	Point Density	6.22 ppsm
DEM Dz	0.00 m	Ground Density	3.50 ppsm
All Points TIN Dz	-0.01 m	Slope	1.23 °

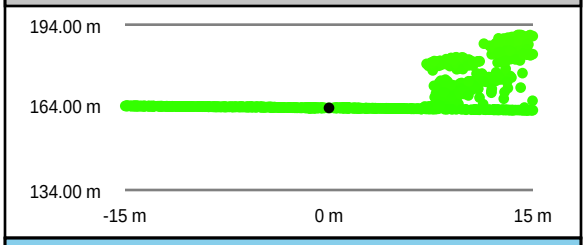
Project Context



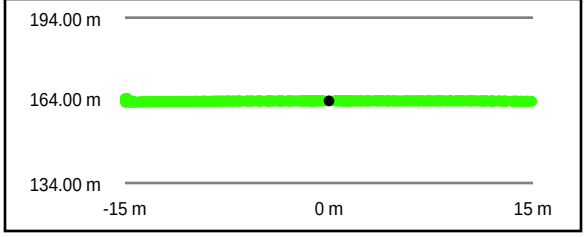
World Imagery



Southeast to Northwest



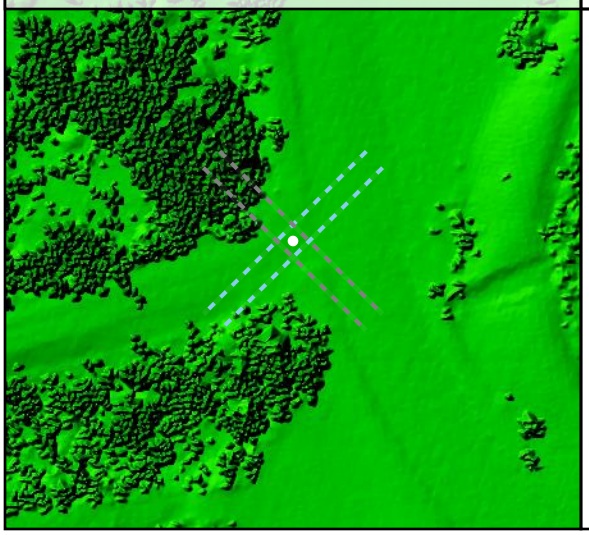
Southwest to Northeast



Intensity Raster



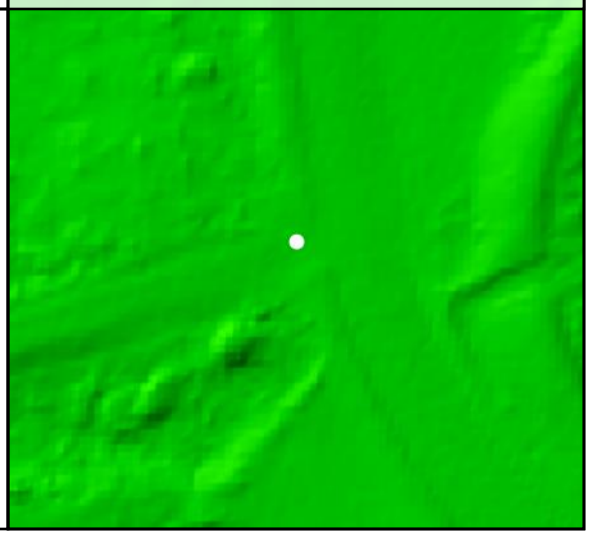
TIN Surface



Project Elevation



DEM Surface



DEM Dz 0.00 m

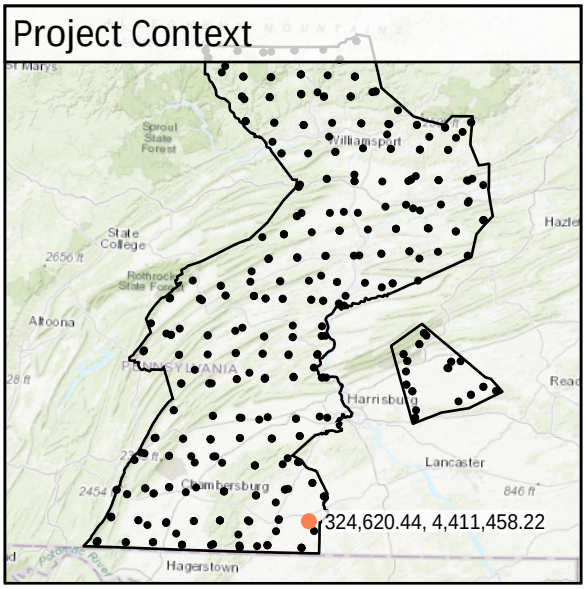
NVA - BE72

All Points TIN Dz -0.01 m

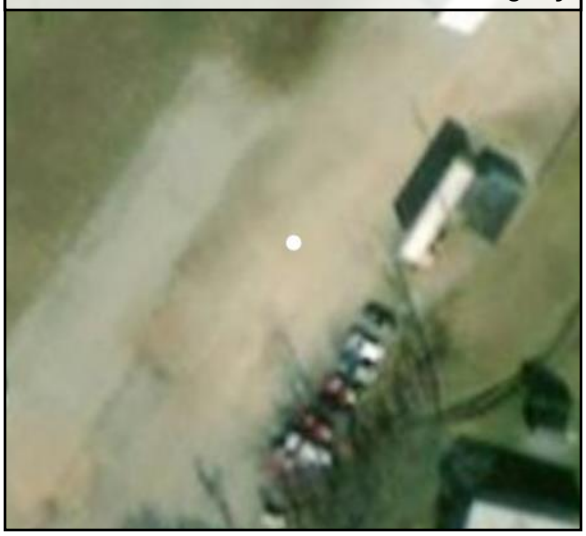
BE73

Known Z	167.24 m	Point Density	4.95 ppsm
DEM Dz	0.01 m	Ground Density	2.16 ppsm
All Points TIN Dz	0.01 m	Slope	1.19 °

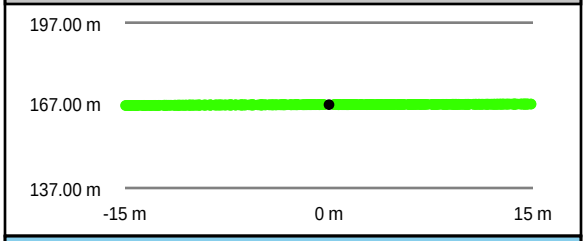
Project Context



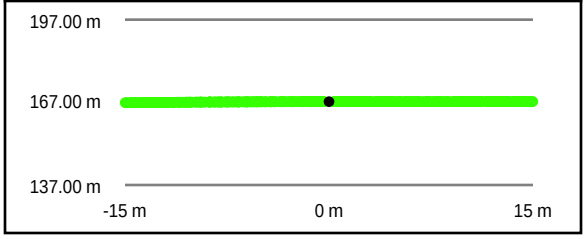
World Imagery



Southwest to Northeast



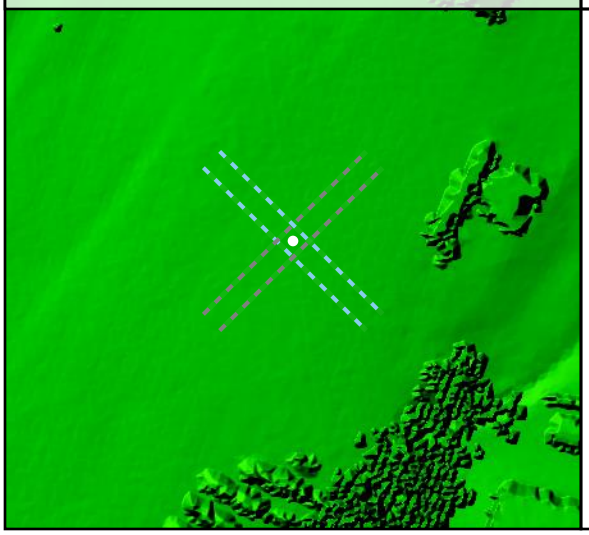
Southeast to Northwest



Intensity Raster



TIN Surface

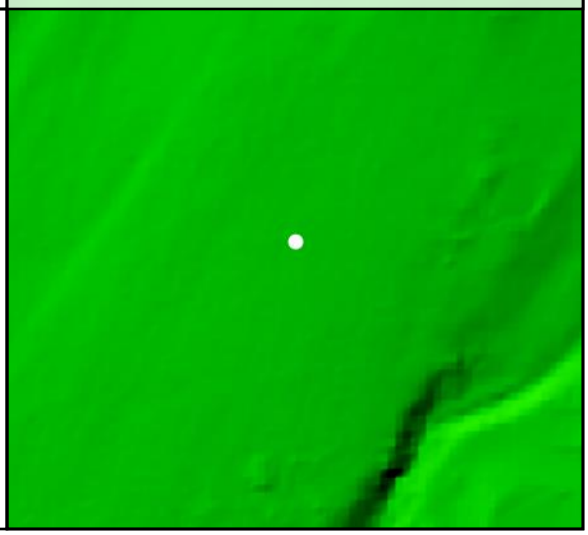


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.01 m

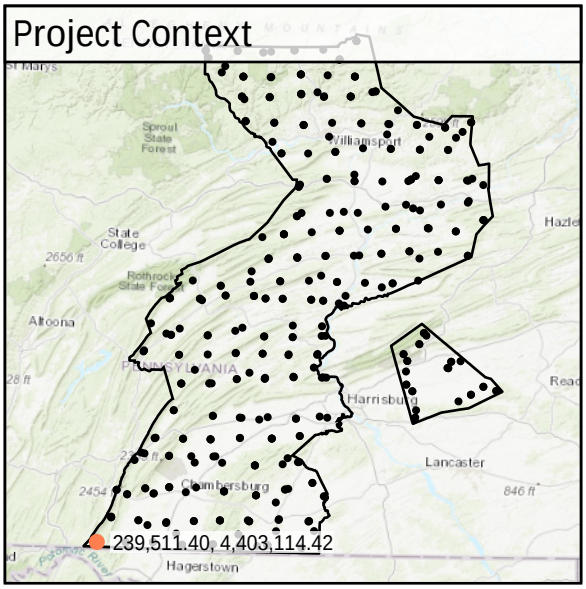
NVA - BE73

All Points TIN Dz +0.01 m

BE74

Known Z	152.13 m	Point Density	5.31 ppsm
DEM Dz	0.02 m	Ground Density	2.90 ppsm
All Points TIN Dz	0.01 m	Slope	2.68 °

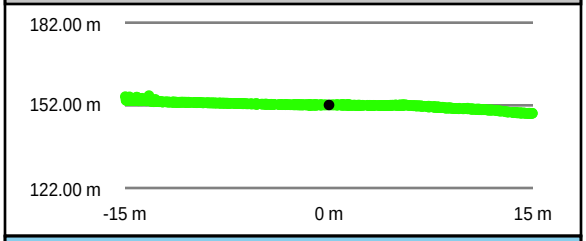
Project Context



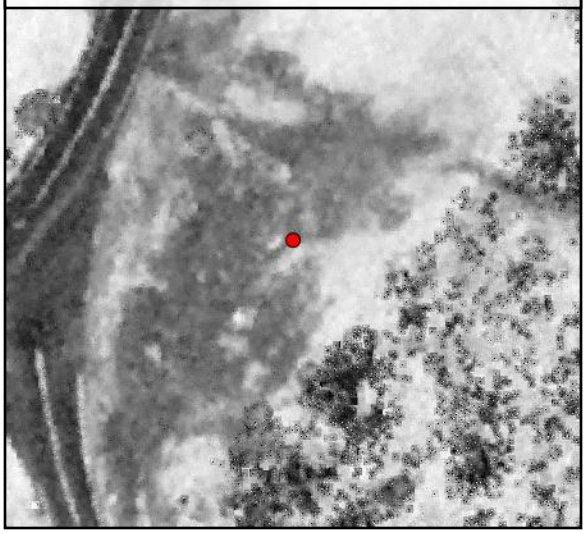
World Imagery



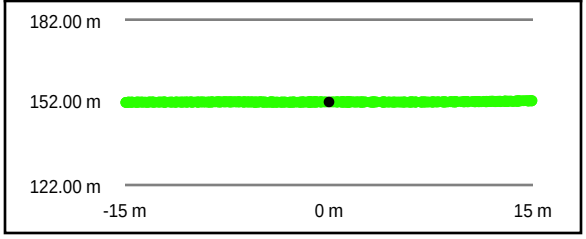
Southeast to Northwest



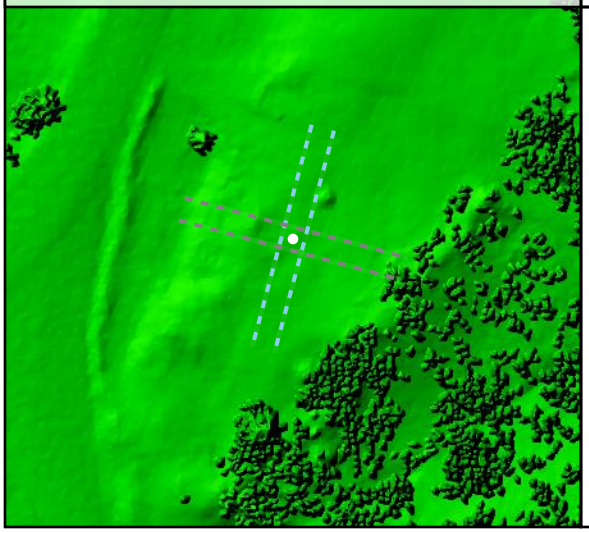
Intensity Raster



Southwest to Northeast



TIN Surface

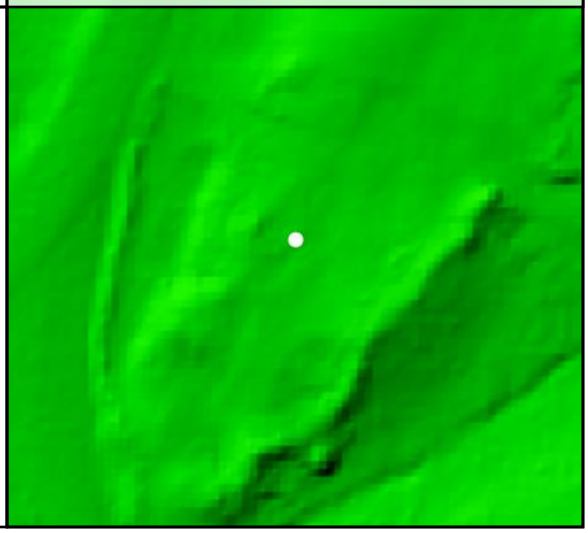


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.02 m

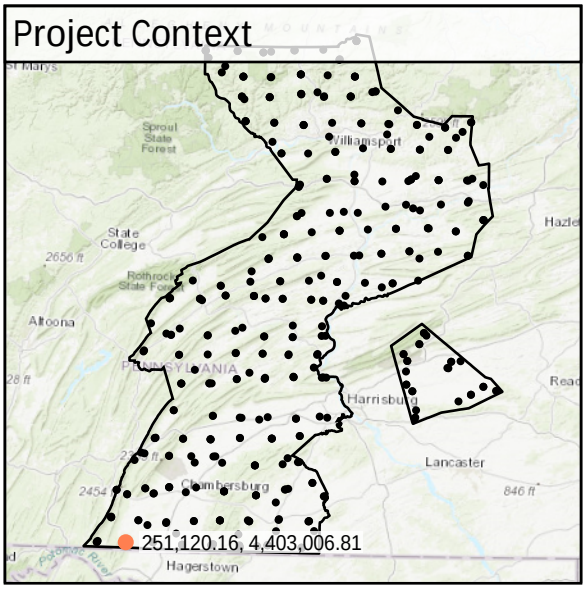
NVA - BE74

All Points TIN Dz +0.01 m

BE75

Known Z	246.84 m	Point Density	4.49 ppsm
DEM Dz	0.03 m	Ground Density	2.86 ppsm
All Points TIN Dz	0.03 m	Slope	5.67 °

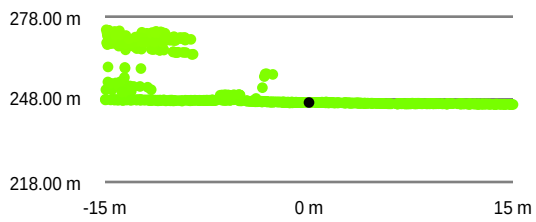
Project Context



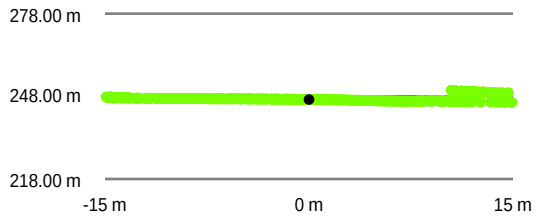
World Imagery



Southwest to Northeast



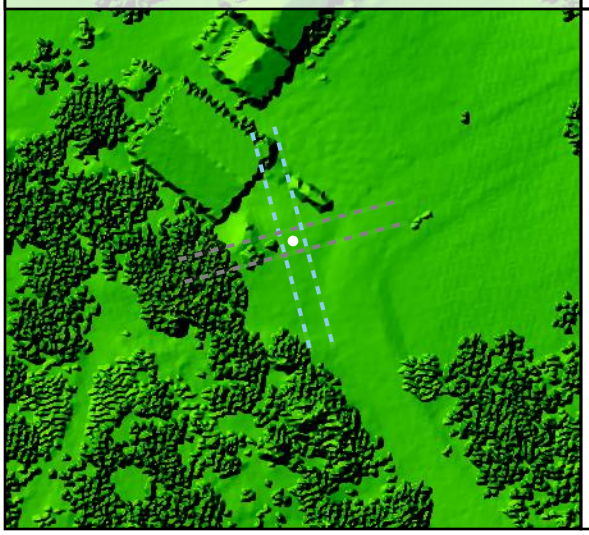
Southeast to Northwest



Intensity Raster



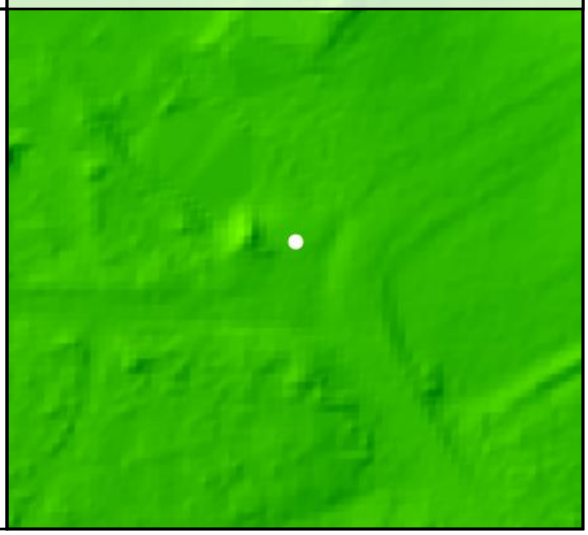
TIN Surface



Project Elevation



DEM Surface



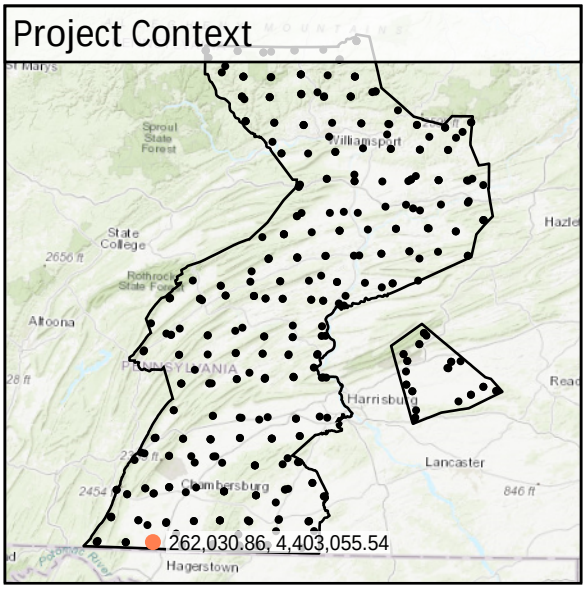
DEM Dz +0.03 m

NVA - BE75

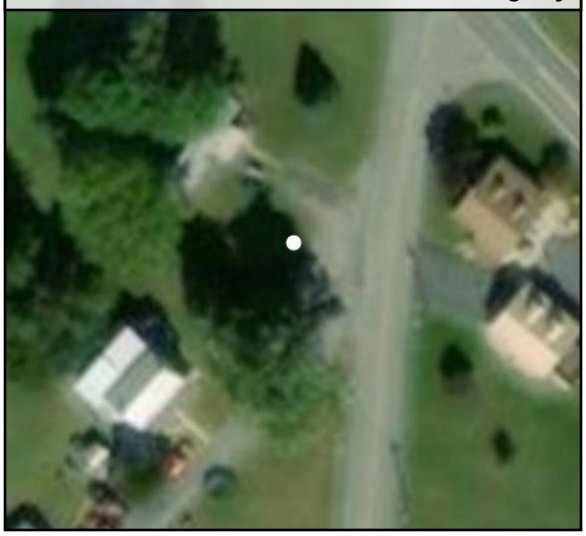
All Points TIN Dz +0.03 m

BE76				
	Known Z	177.49 m	Point Density	5.45 ppsm
	DEM Dz	-0.03 m	Ground Density	2.94 ppsm
	All Points TIN Dz	-0.01 m	Slope	0.70 °

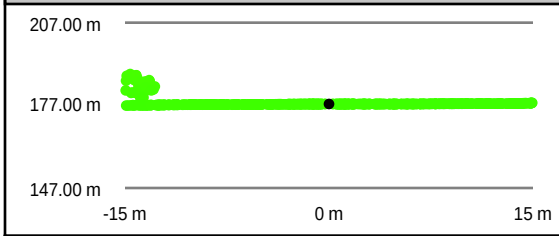
Project Context



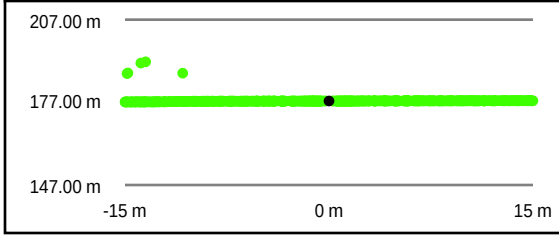
World Imagery



Southwest to Northeast



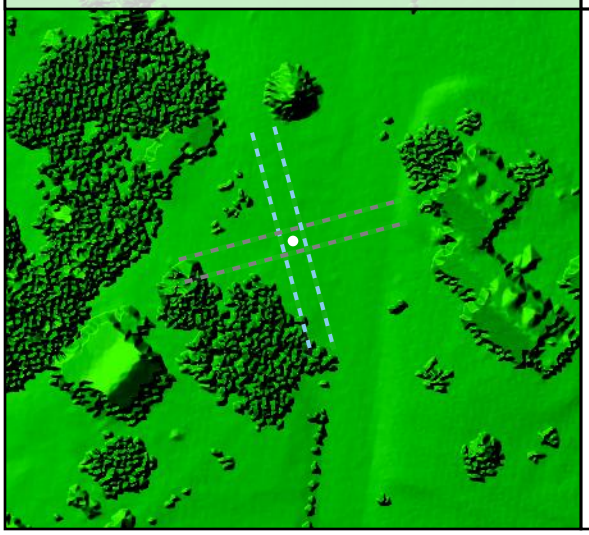
Southeast to Northwest



Intensity Raster



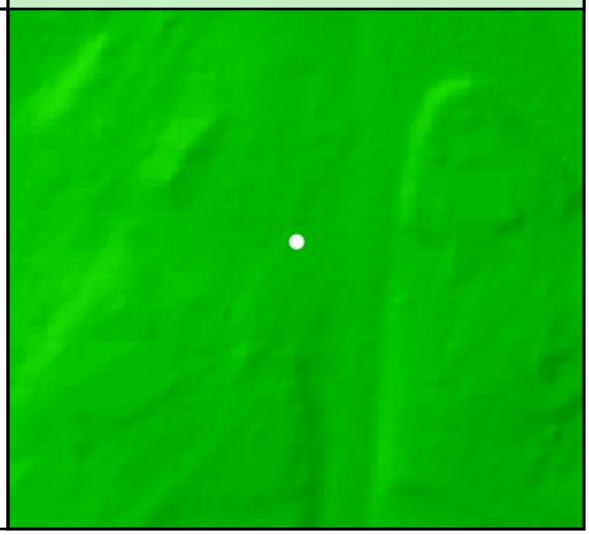
TIN Surface



Project Elevation



DEM Surface



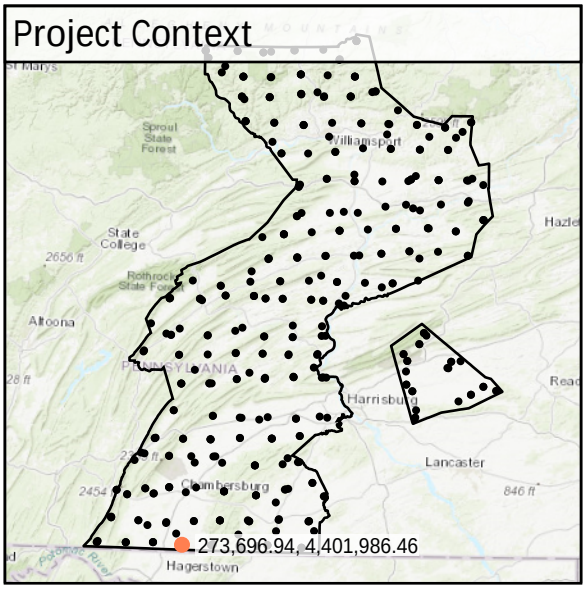
DEM Dz -0.03 m

NVA - BE76

All Points TIN Dz -0.01 m

BE77				
	Known Z	202.96 m	Point Density	3.15 ppsm
	DEM Dz	-0.03 m	Ground Density	3.15 ppsm
	All Points TIN Dz	-0.02 m	Slope	3.35 °

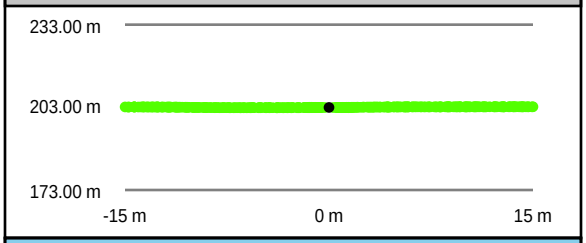
Project Context



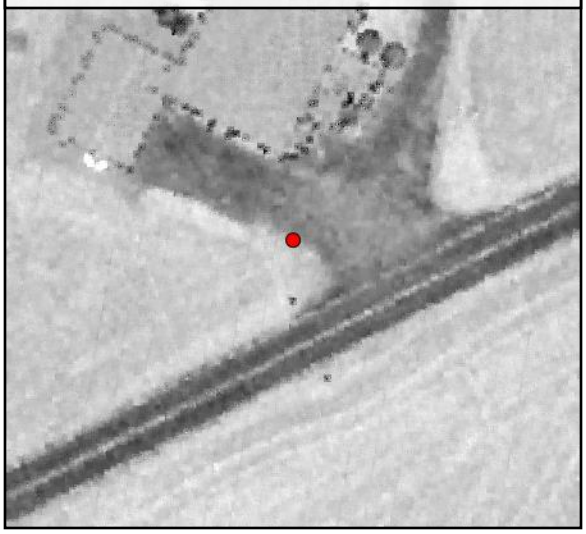
World Imagery



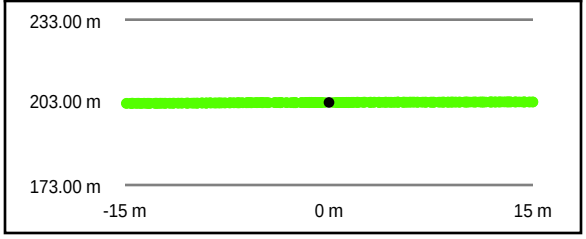
Southeast to Northwest



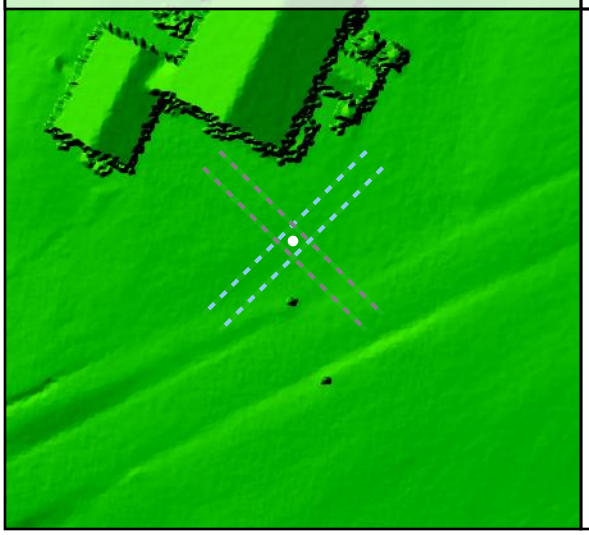
Intensity Raster



Southwest to Northeast



TIN Surface

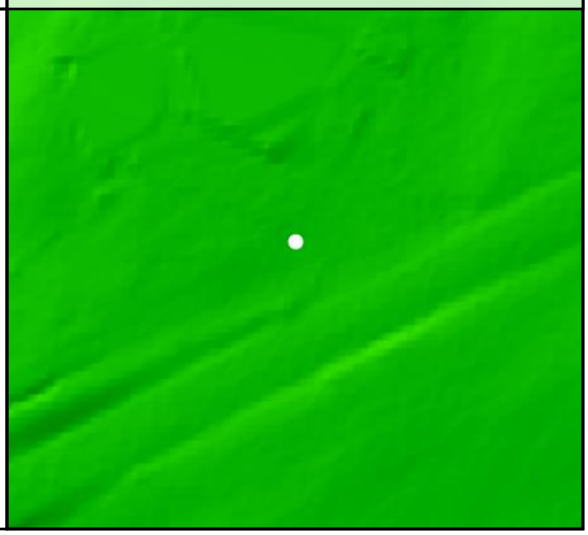


Project Elevation

716.97

103.02

DEM Surface



DEM Dz -0.03 m

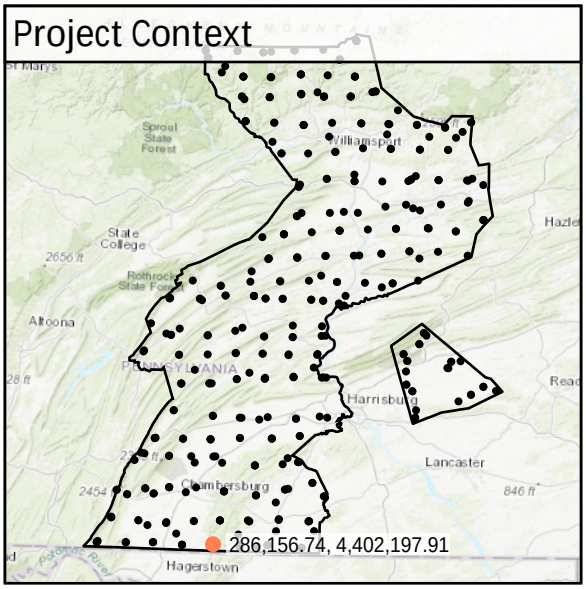
NVA - BE77

All Points TIN Dz -0.02 m

BE78

Known Z	356.05 m	Point Density	4.53 ppsm
DEM Dz	-0.04 m	Ground Density	3.50 ppsm
All Points TIN Dz	-0.04 m	Slope	6.58 °

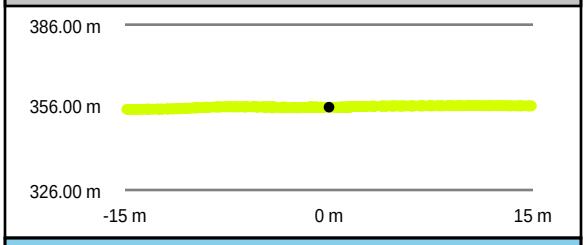
Project Context



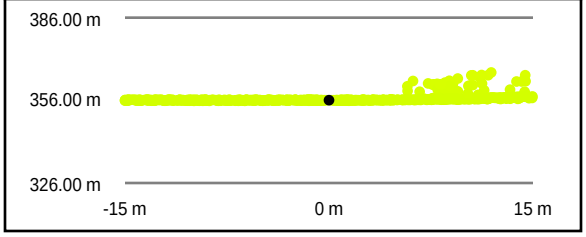
World Imagery



Southwest to Northeast



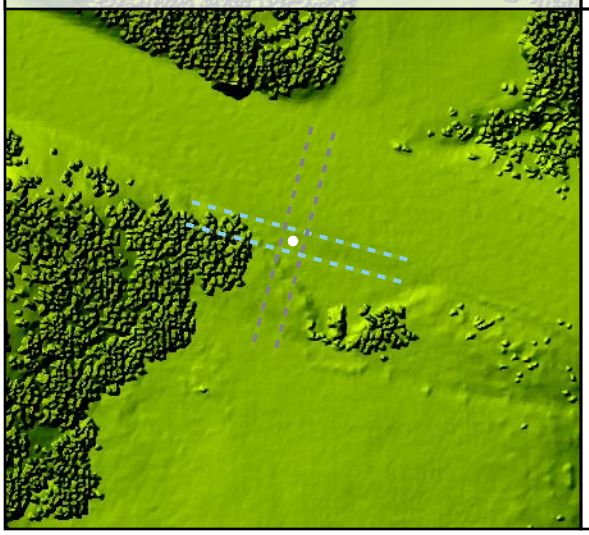
Southeast to Northwest



Intensity Raster



TIN Surface

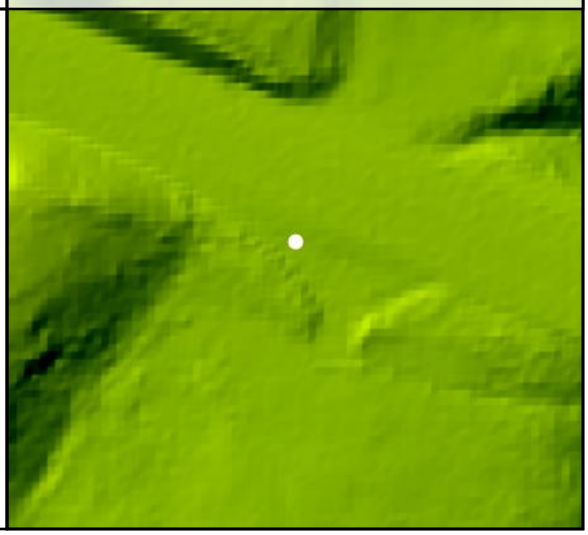


Project Elevation

716.97

103.02

DEM Surface



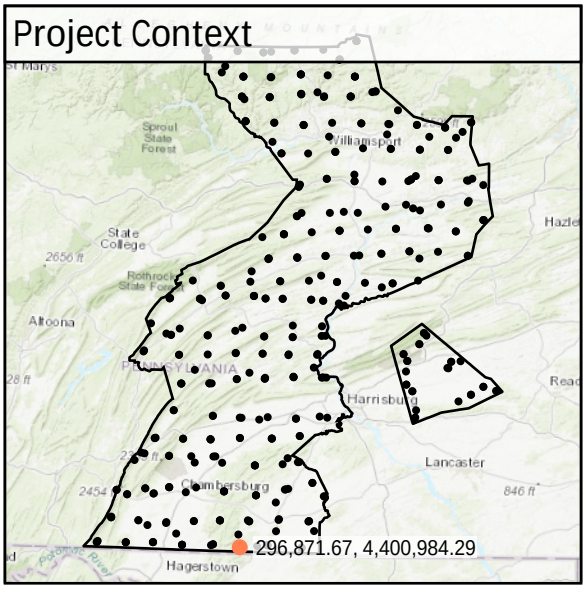
DEM Dz -0.04 m

NVA - BE78

All Points TIN Dz -0.04 m

BE79				
	Known Z	149.12 m	Point Density	5.16 ppsm
	DEM Dz	-0.01 m	Ground Density	2.76 ppsm
	All Points TIN Dz	-0.01 m	Slope	0.99 °

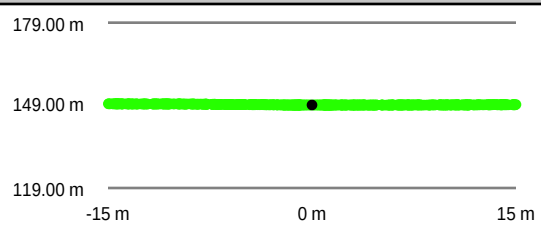
Project Context



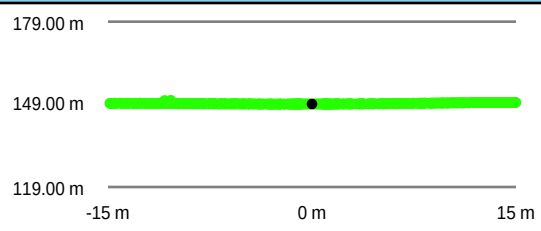
World Imagery



West to East



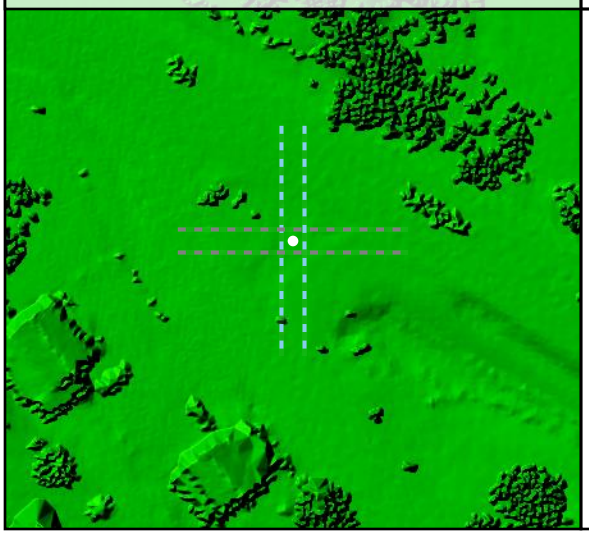
South to North



Intensity Raster



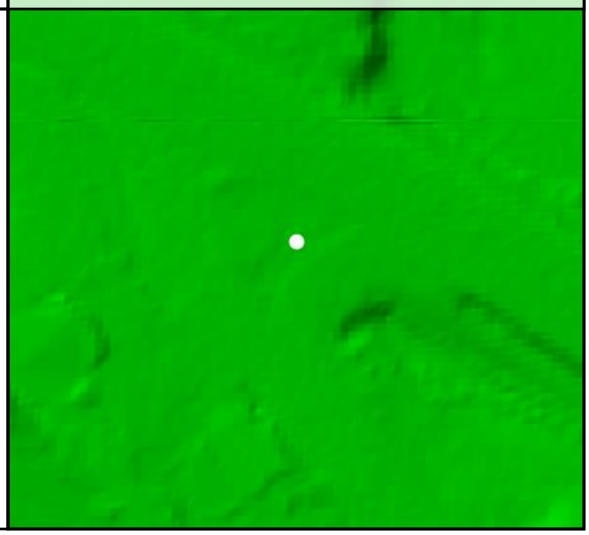
TIN Surface



Project Elevation



DEM Surface



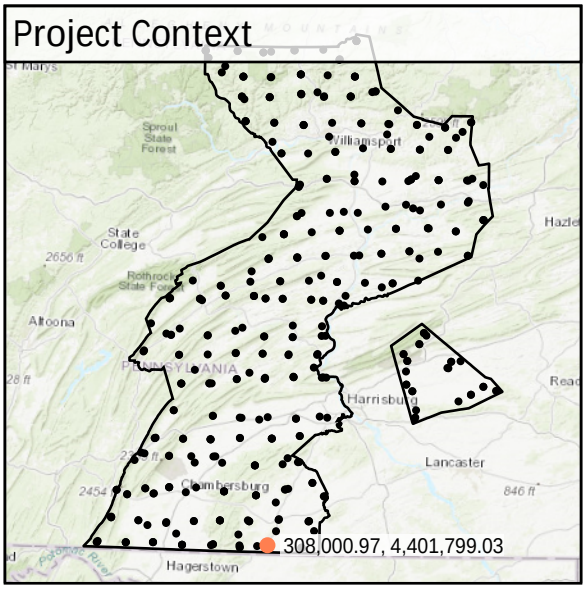
DEM Dz -0.01 m

NVA - BE79

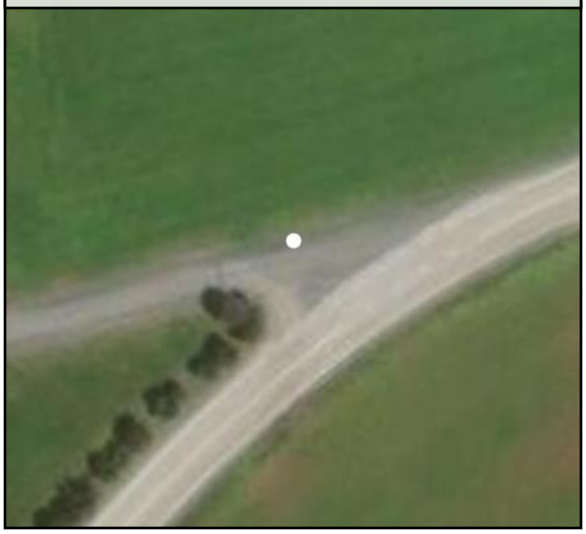
All Points TIN Dz -0.01 m

BE80				
	Known Z	130.32 m	Point Density	5.38 ppsm
	DEM Dz	-0.04 m	Ground Density	2.69 ppsm
	All Points TIN Dz	-0.03 m	Slope	1.92 °

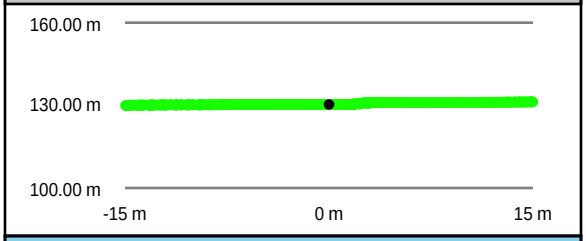
Project Context



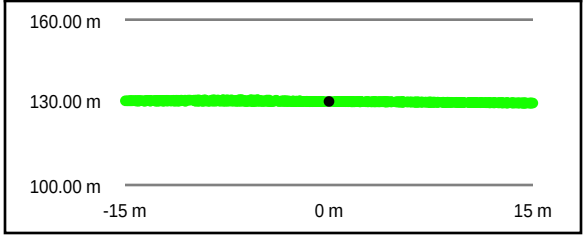
World Imagery



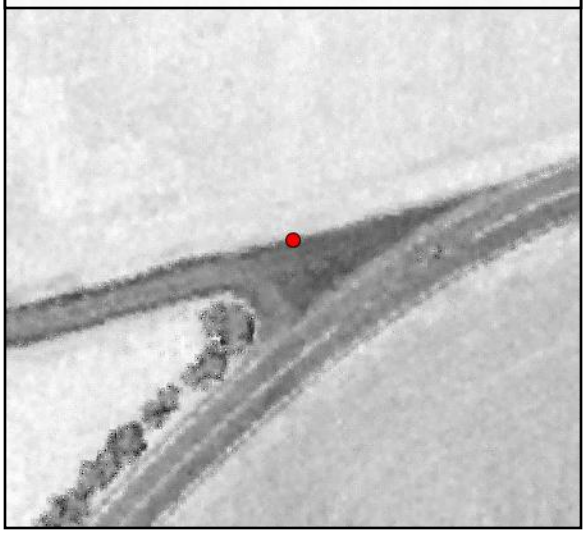
South to North



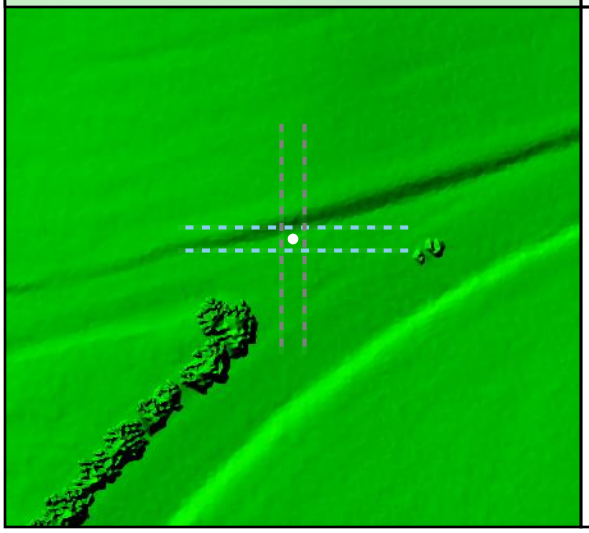
West to East



Intensity Raster



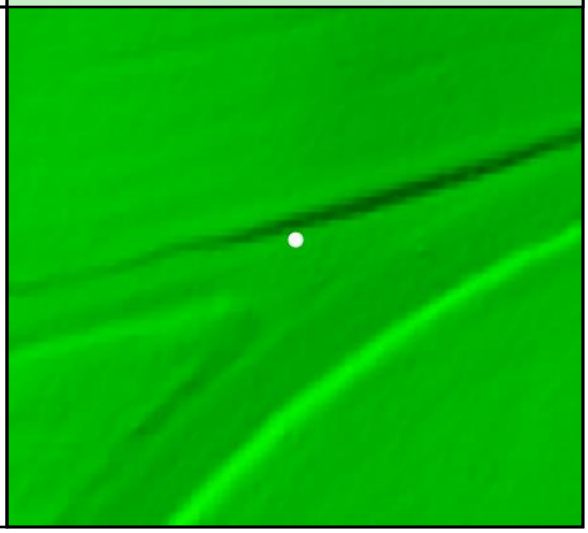
TIN Surface



Project Elevation



DEM Surface



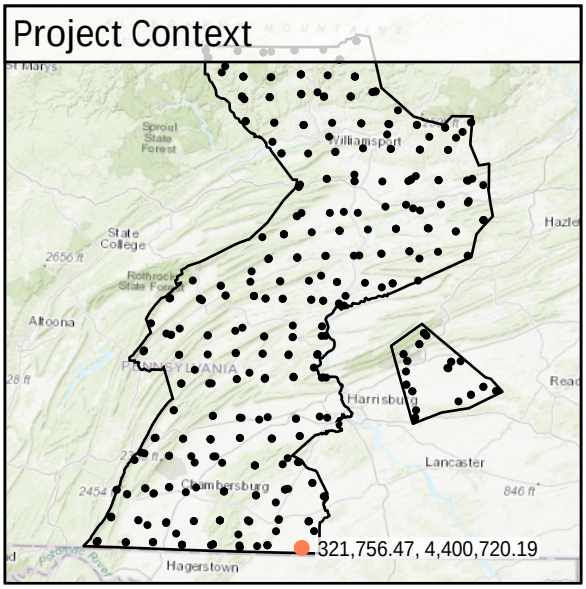
DEM Dz -0.04 m

NVA - BE80

All Points TIN Dz -0.03 m

BE81				
	Known Z	179.56 m	Point Density	5.38 ppsm
	DEM Dz	0.00 m	Ground Density	2.90 ppsm
	All Points TIN Dz	0.00 m	Slope	2.12 °

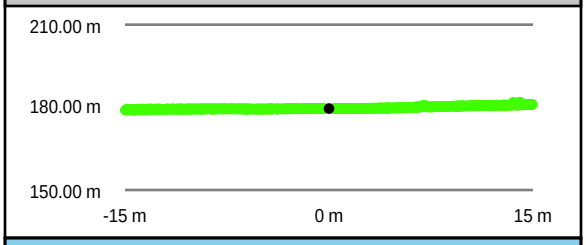
Project Context



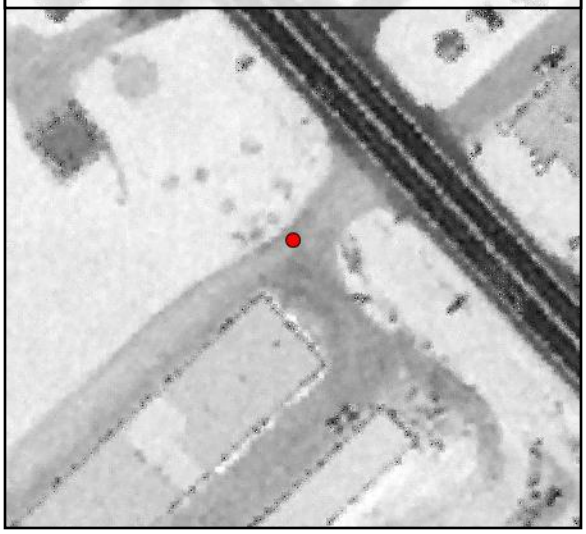
World Imagery



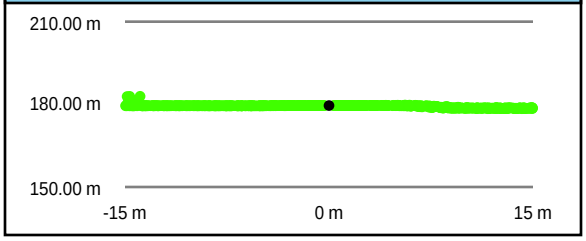
Southwest to Northeast



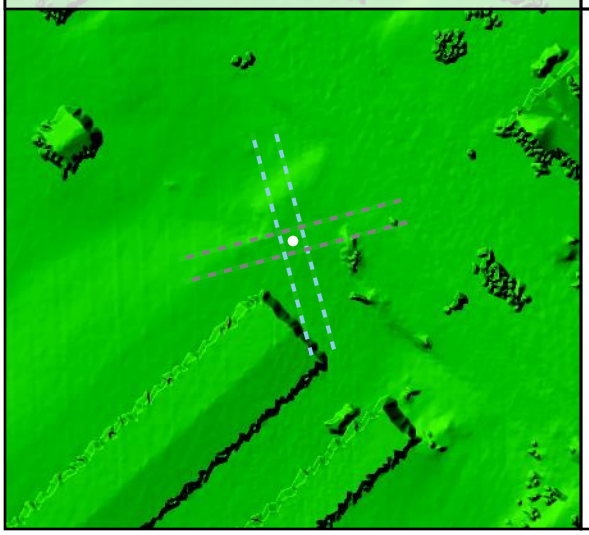
Intensity Raster



Southeast to Northwest



TIN Surface

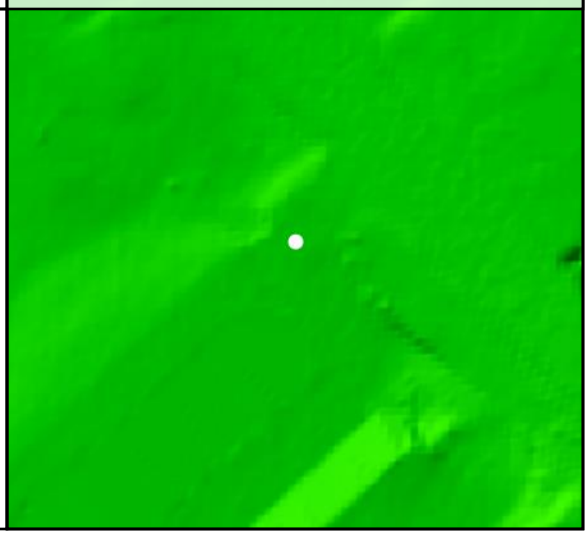


Project Elevation

716.97

103.02

DEM Surface



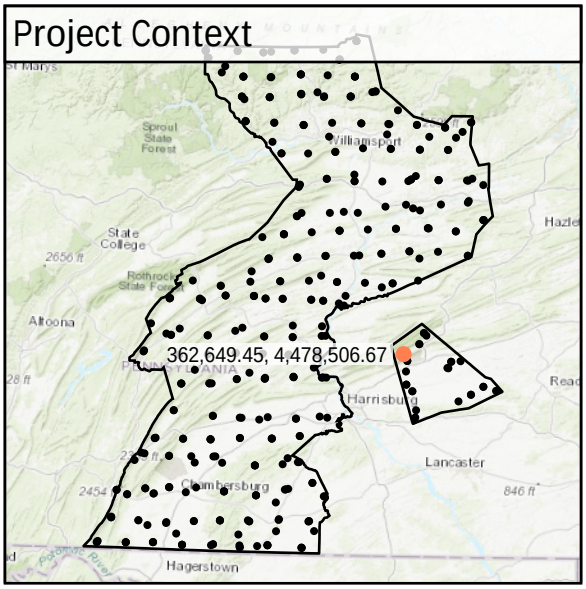
DEM Dz 0.00 m

NVA - BE81

All Points TIN Dz 0.00 m

BE82				
	Known Z	196.67 m	Point Density	3.89 ppsm
	DEM Dz	0.00 m	Ground Density	2.76 ppsm
	All Points TIN Dz	0.01 m	Slope	2.44 °

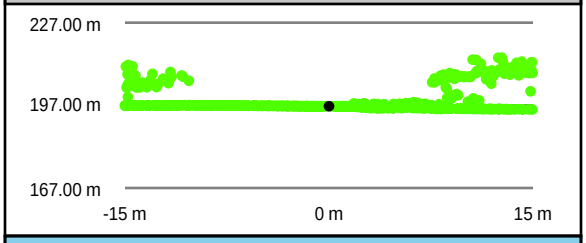
Project Context



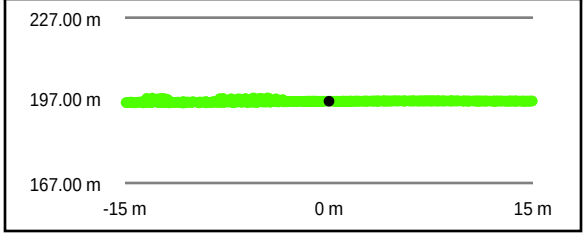
World Imagery



Southwest to Northeast



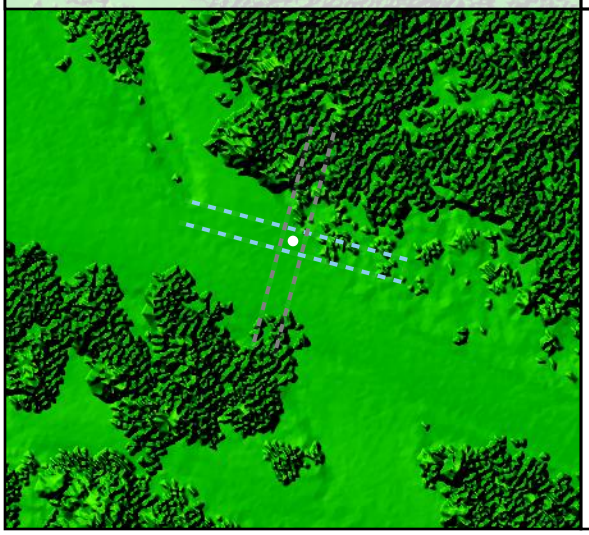
Southeast to Northwest



Intensity Raster



TIN Surface

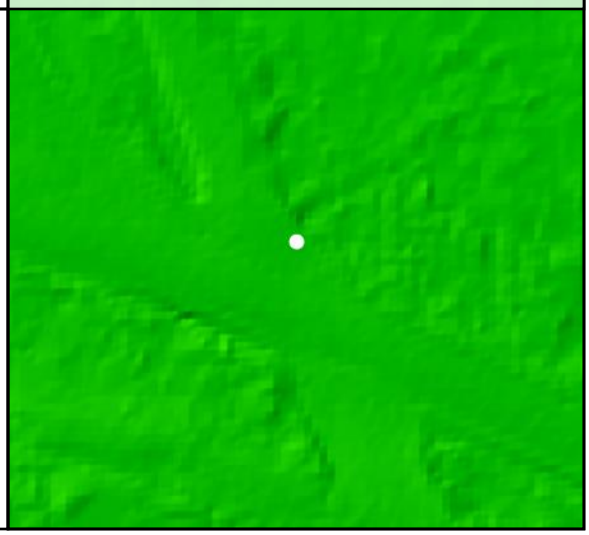


Project Elevation

716.97

103.02

DEM Surface



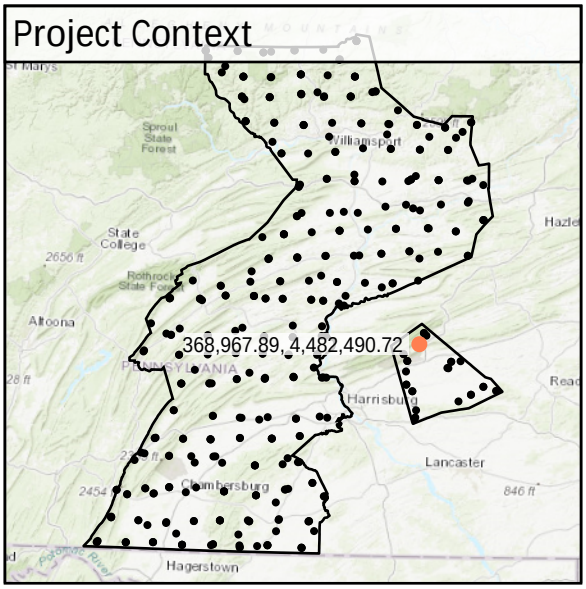
DEM Dz +0.00 m

NVA - BE82

All Points TIN Dz +0.01 m

BE83				
	Known Z	164.29 m	Point Density	5.66 ppsm
	DEM Dz	0.00 m	Ground Density	2.76 ppsm
	All Points TIN Dz	-0.01 m	Slope	1.48 °

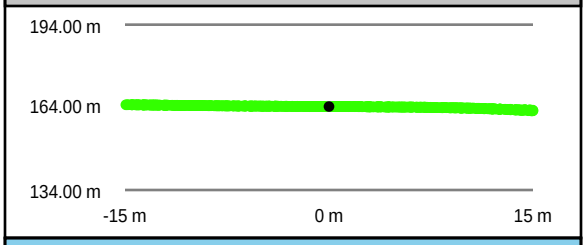
Project Context



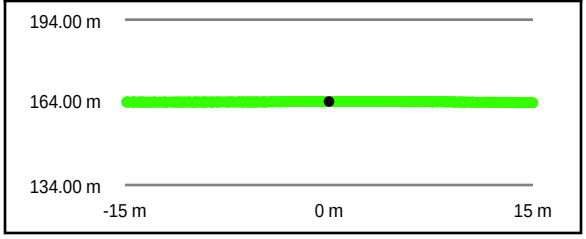
World Imagery



Southwest to Northeast



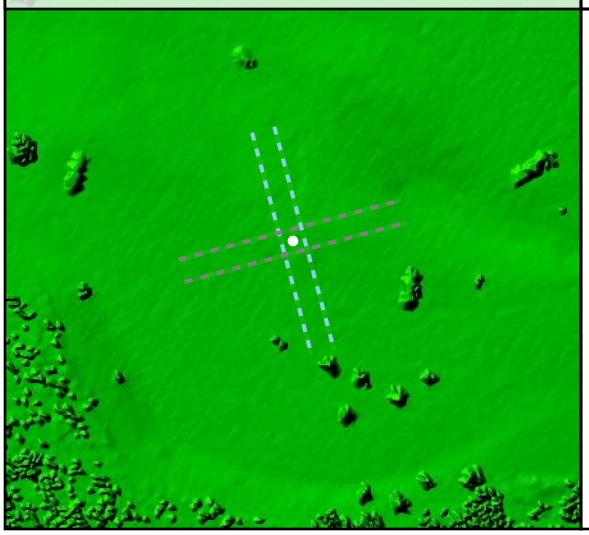
Southeast to Northwest



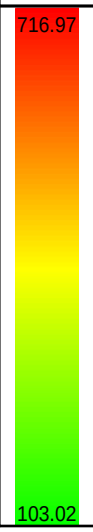
Intensity Raster



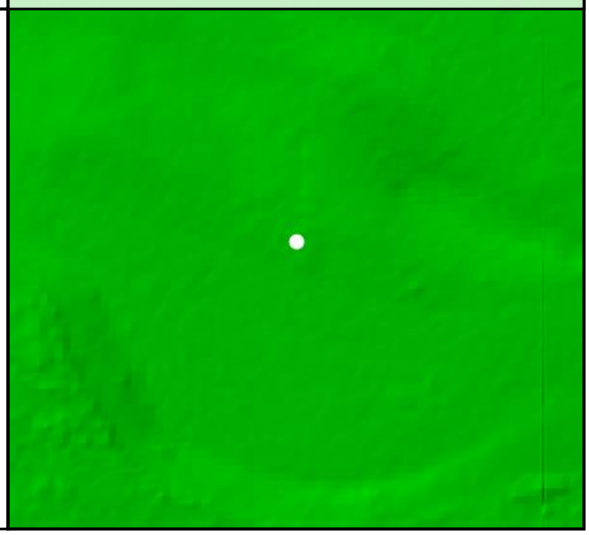
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.00 m

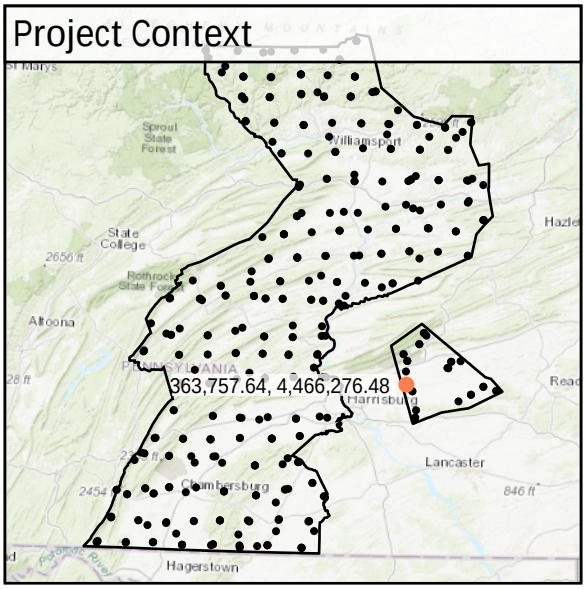
NVA - BE83

All Points TIN Dz -0.01 m

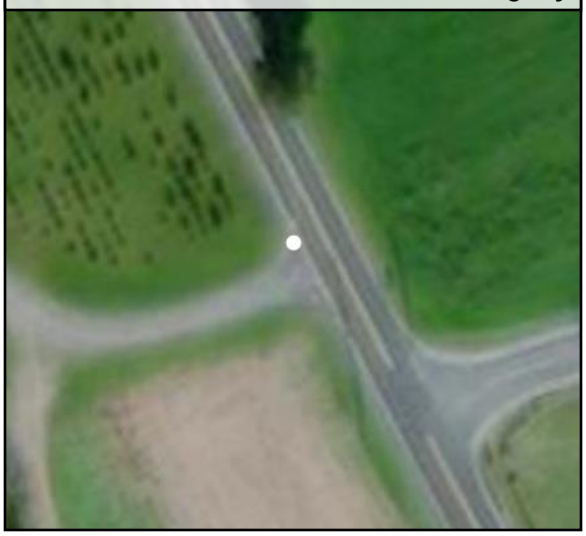
BE84

Known Z	150.80 m	Point Density	3.08 ppsm
DEM Dz	0.05 m	Ground Density	3.08 ppsm
All Points TIN Dz	0.05 m	Slope	4.00 °

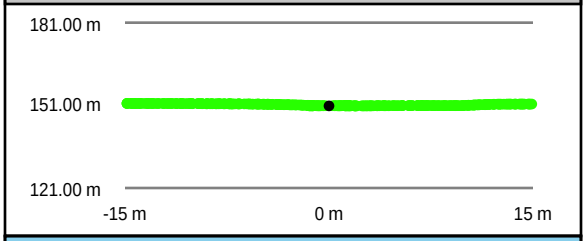
Project Context



World Imagery



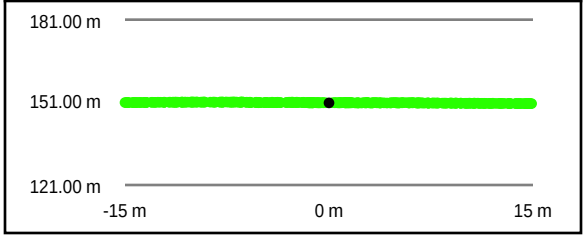
Southwest to Northeast



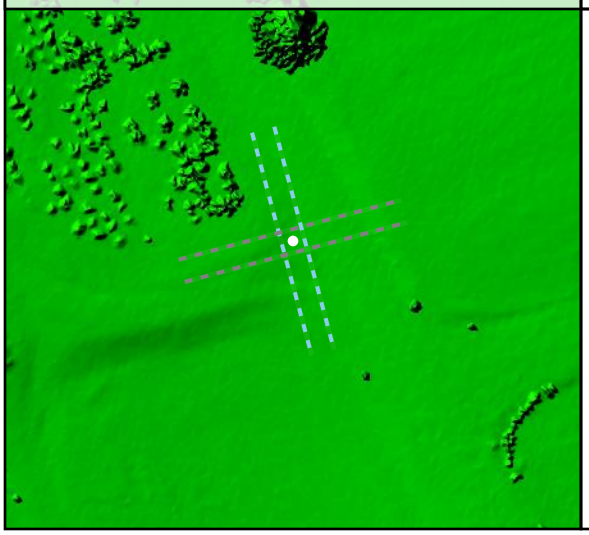
Intensity Raster



Southeast to Northwest



TIN Surface

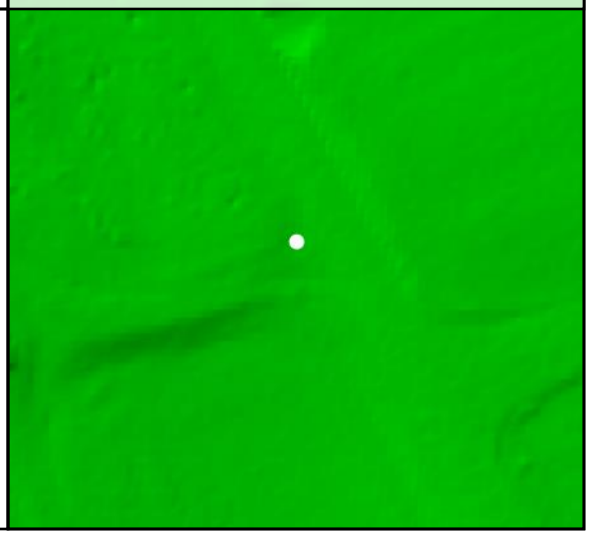


Project Elevation

716.97

103.02

DEM Surface



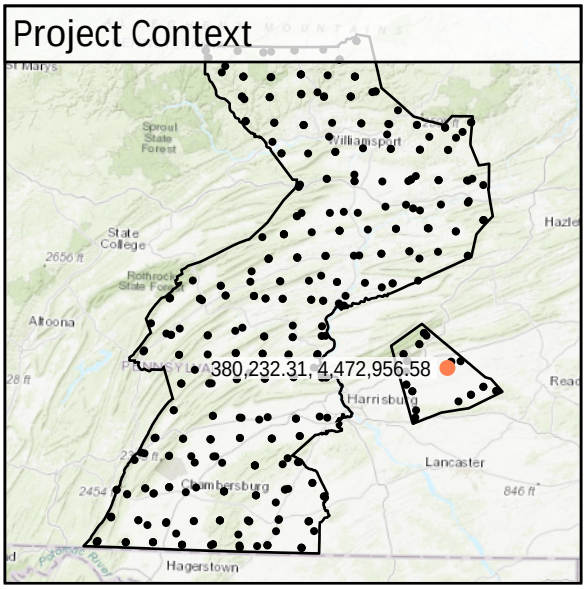
DEM Dz +0.05 m

NVA - BE84

All Points TIN Dz +0.05 m

BE85				
	Known Z	142.15 m	Point Density	5.23 ppsm
	DEM Dz	0.01 m	Ground Density	2.86 ppsm
	All Points TIN Dz	0.01 m	Slope	0.44 °

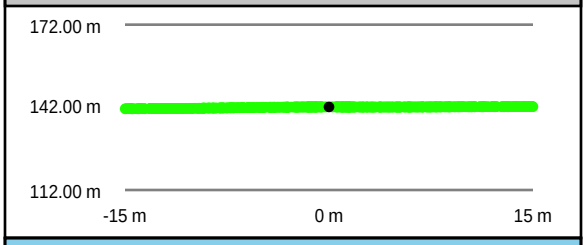
Project Context



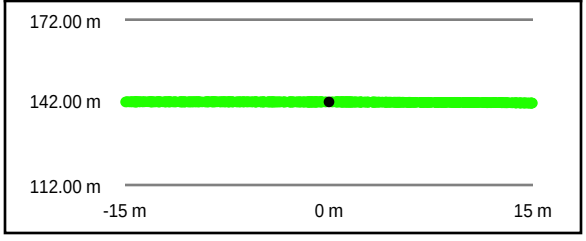
World Imagery



Southwest to Northeast



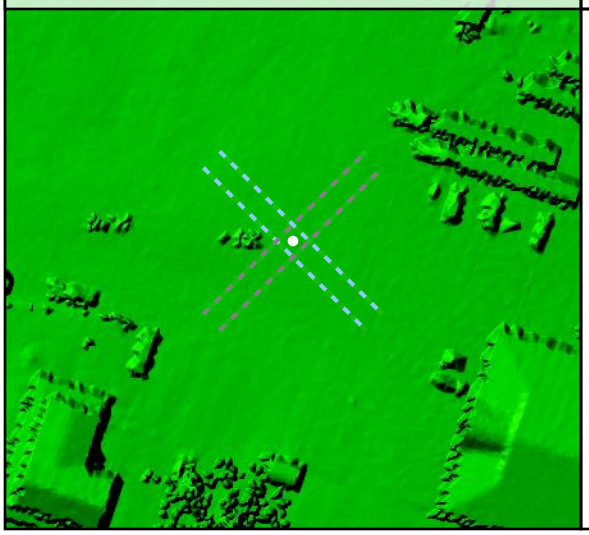
Southeast to Northwest



Intensity Raster



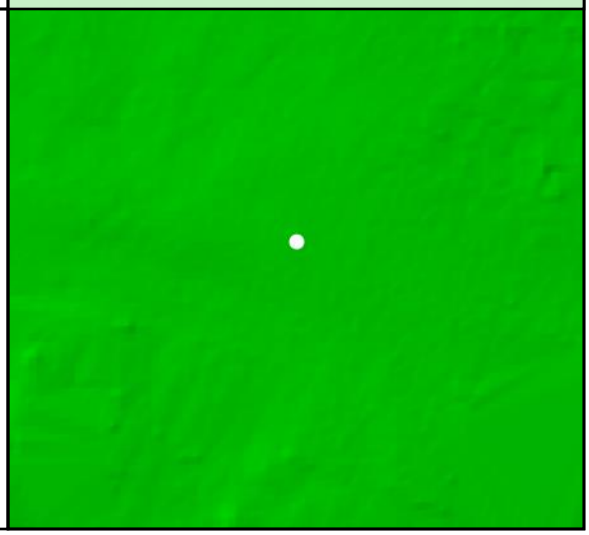
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.01 m

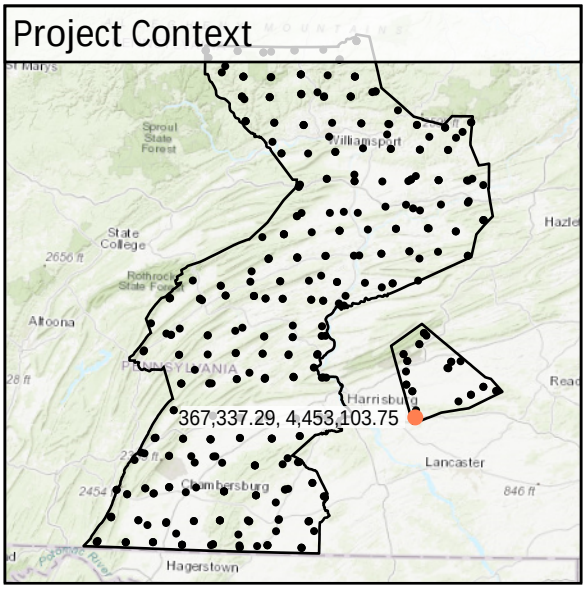
NVA - BE85

All Points TIN Dz +0.01 m

BE86

Known Z	135.88 m	Point Density	6.22 ppsm
DEM Dz	0.05 m	Ground Density	3.43 ppsm
All Points TIN Dz	0.04 m	Slope	4.71 °

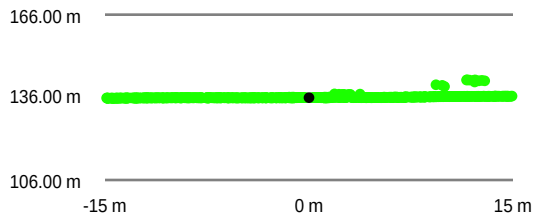
Project Context



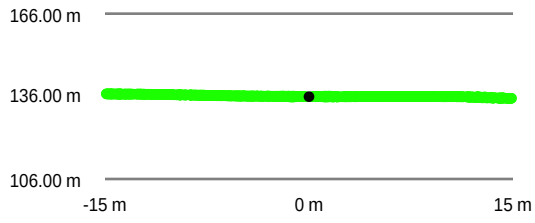
World Imagery



South to North



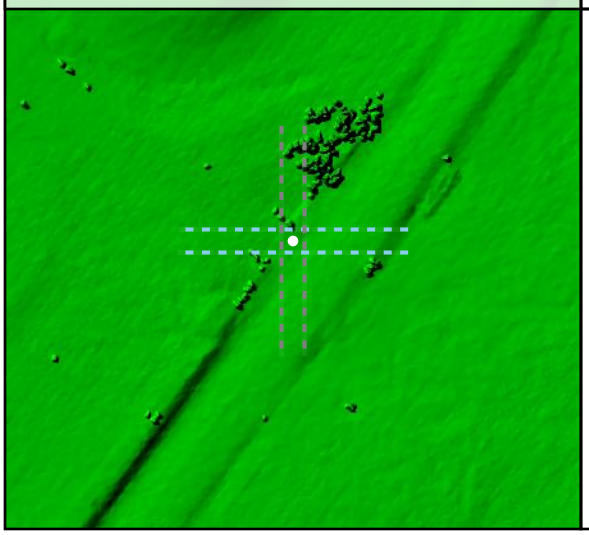
West to East



Intensity Raster



TIN Surface

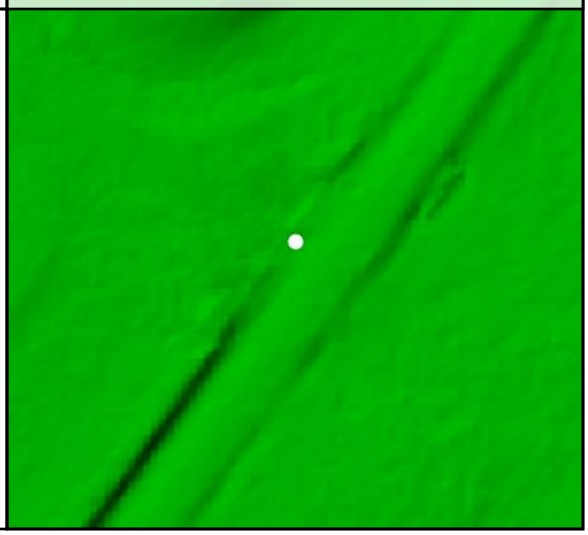


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.05 m

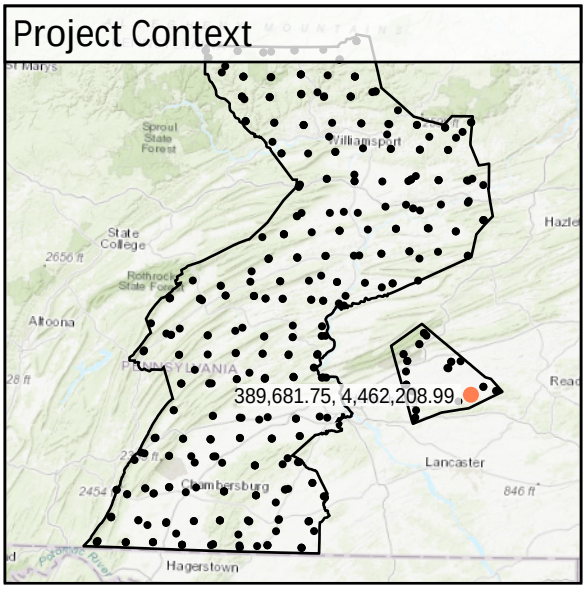
NVA - BE86

All Points TIN Dz +0.04 m

BE87

Known Z	184.24 m	Point Density	5.41 ppsm
DEM Dz	0.03 m	Ground Density	2.83 ppsm
All Points TIN Dz	0.02 m	Slope	3.13 °

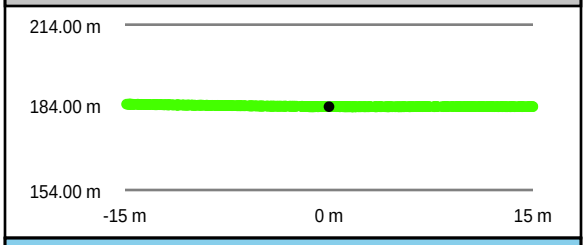
Project Context



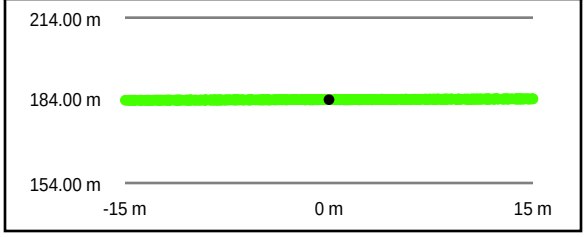
World Imagery



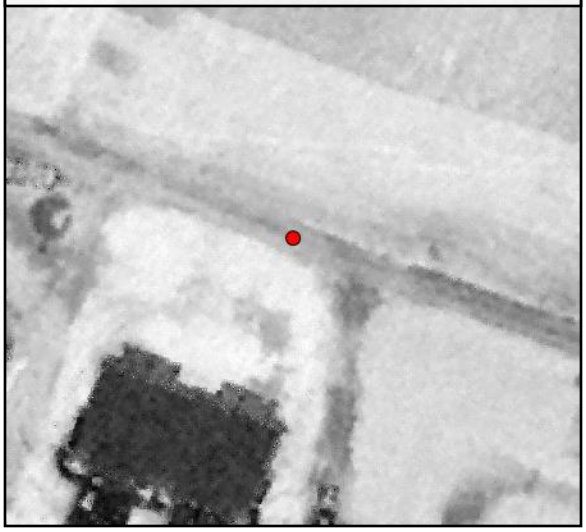
Southwest to Northeast



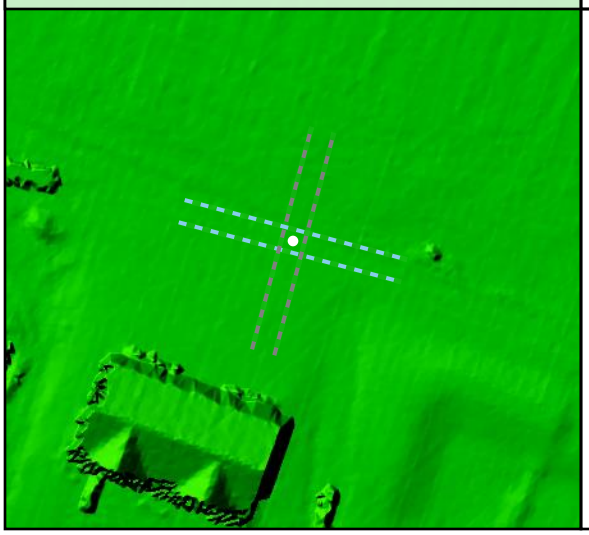
Southeast to Northwest



Intensity Raster



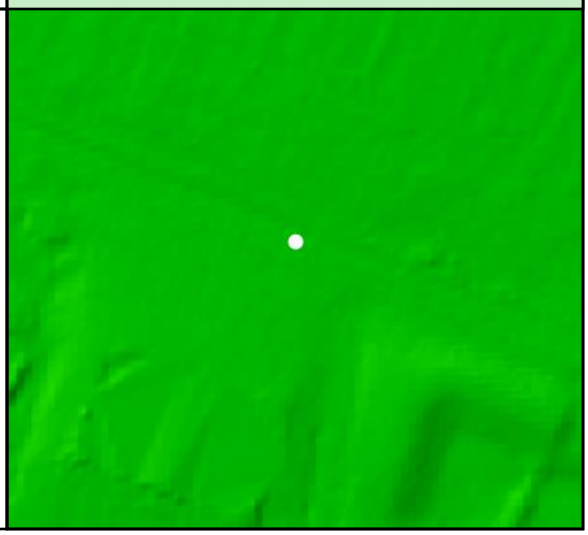
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.03 m

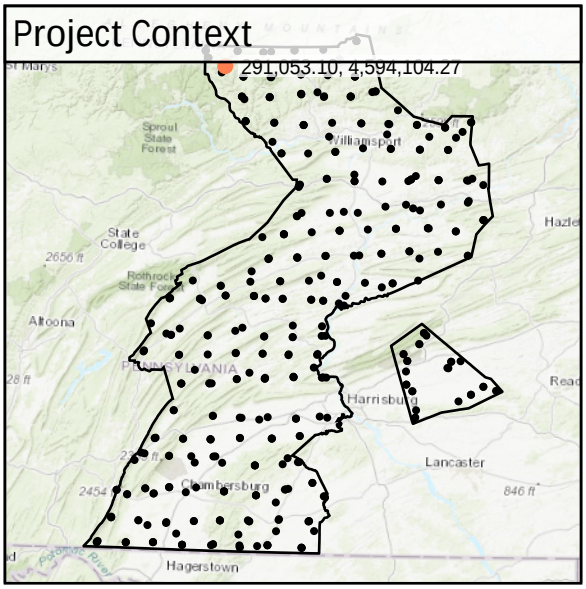
NVA - BE87

All Points TIN Dz +0.02 m

UA01

Known Z	224.65 m	Point Density	5.23 ppsm
DEM Dz	0.07 m	Ground Density	2.41 ppsm
All Points TIN Dz	0.06 m	Slope	1.09 °

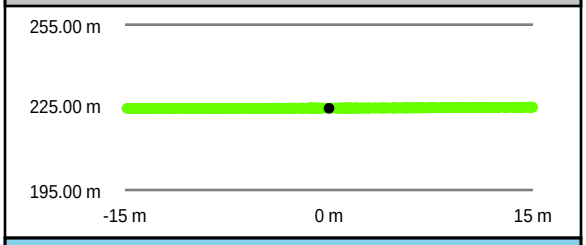
Project Context



World Imagery



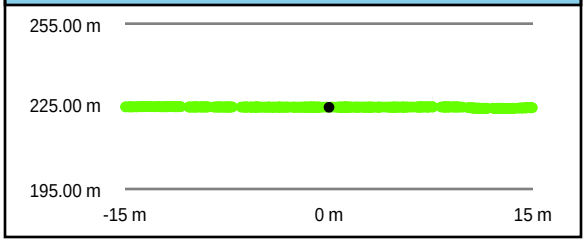
Southeast to Northwest



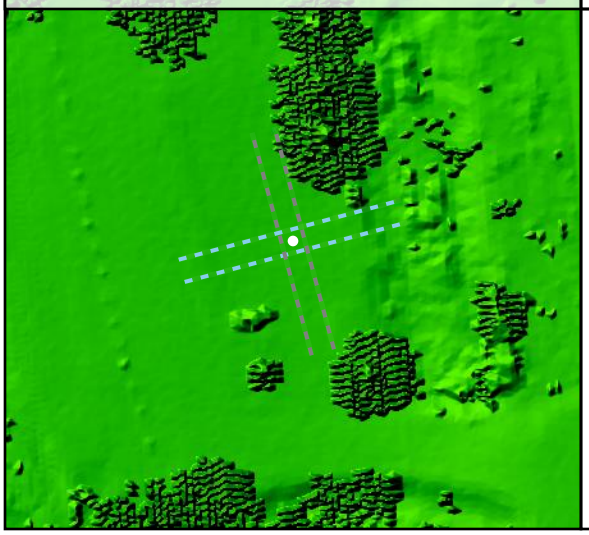
Intensity Raster



Southwest to Northeast



TIN Surface

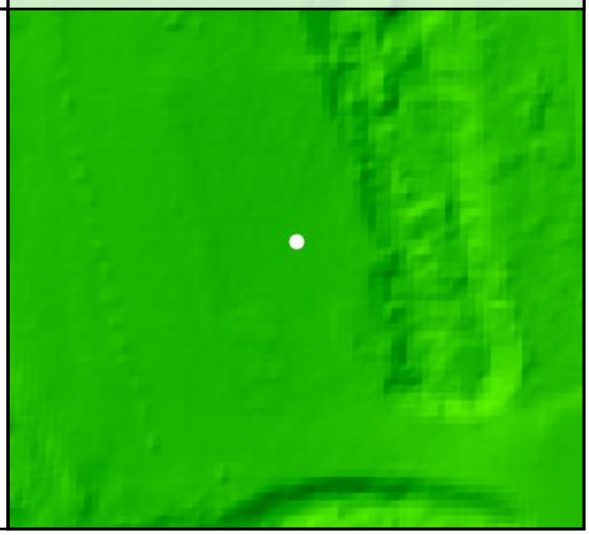


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.07 m

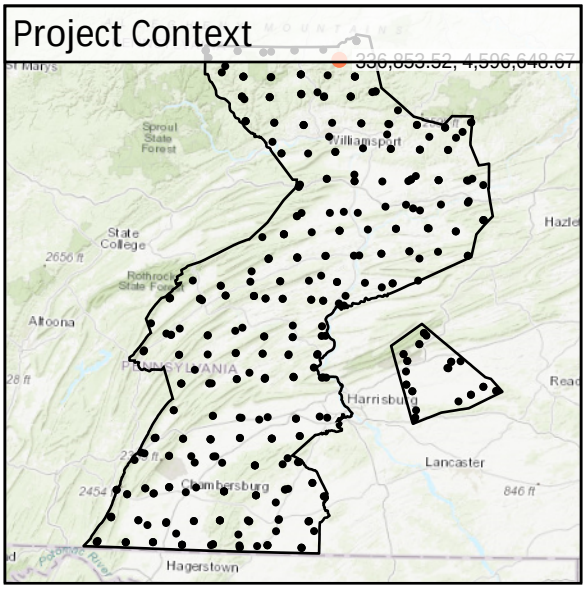
NVA - UA01

All Points TIN Dz +0.06 m

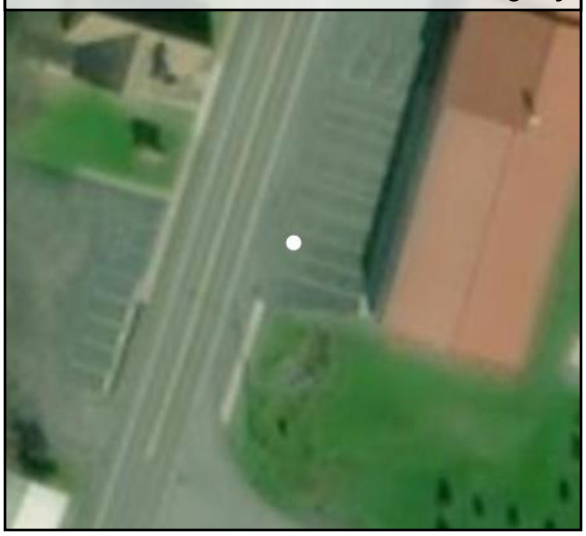
UA02

Known Z	255.98 m	Point Density	6.33 ppsm
DEM Dz	0.00 m	Ground Density	3.01 ppsm
All Points TIN Dz	0.00 m	Slope	3.71 °

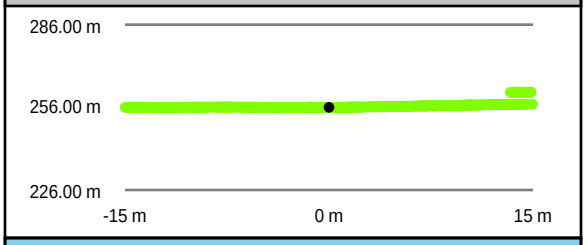
Project Context



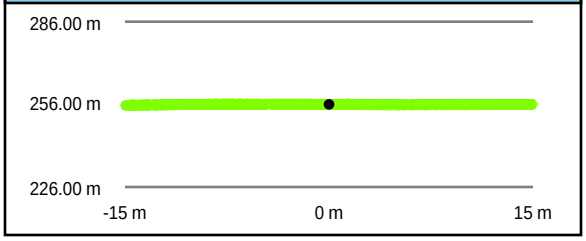
World Imagery



West to East



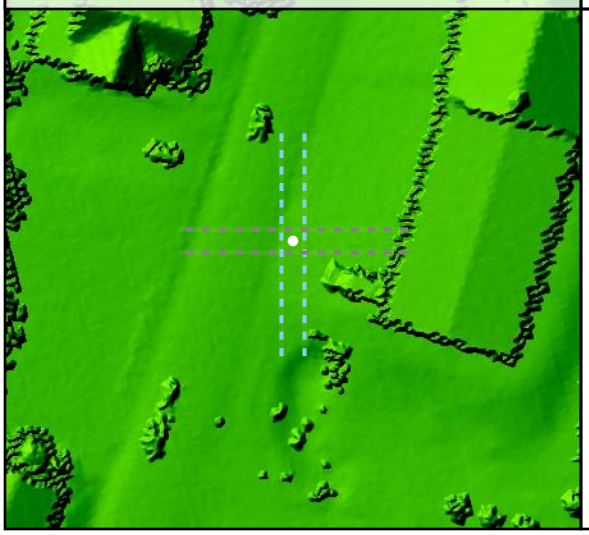
South to North



Intensity Raster



TIN Surface

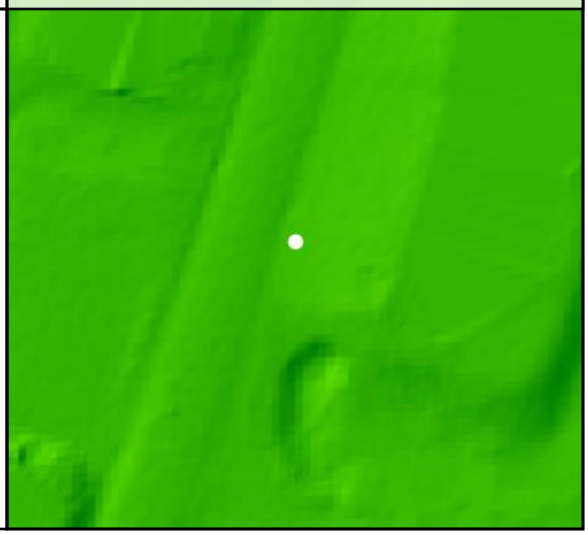


Project Elevation

716.97

103.02

DEM Surface



DEM Dz 0.00 m

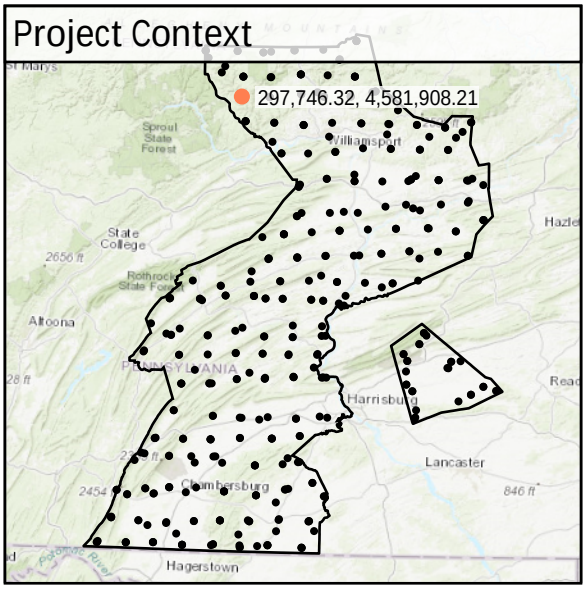
NVA - UA02

All Points TIN Dz +0.00 m

UA03

Known Z	199.79 m	Point Density	2.83 ppsm
DEM Dz	0.11 m	Ground Density	2.83 ppsm
All Points TIN Dz	0.11 m	Slope	1.66 °

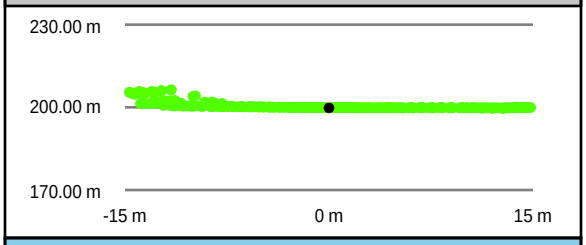
Project Context



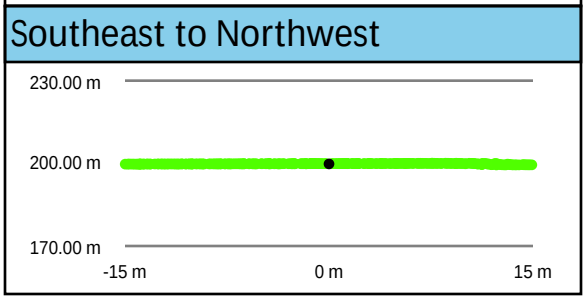
World Imagery



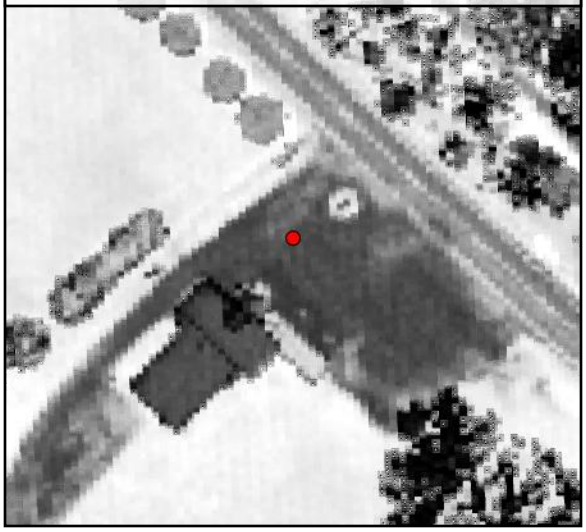
Southwest to Northeast



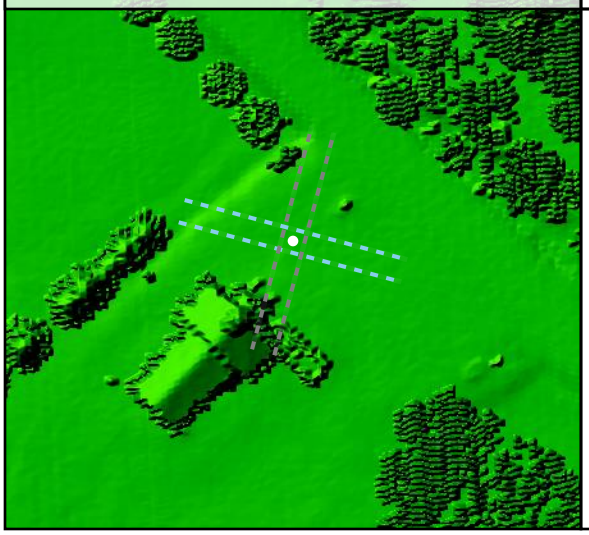
Southeast to Northwest



Intensity Raster



TIN Surface

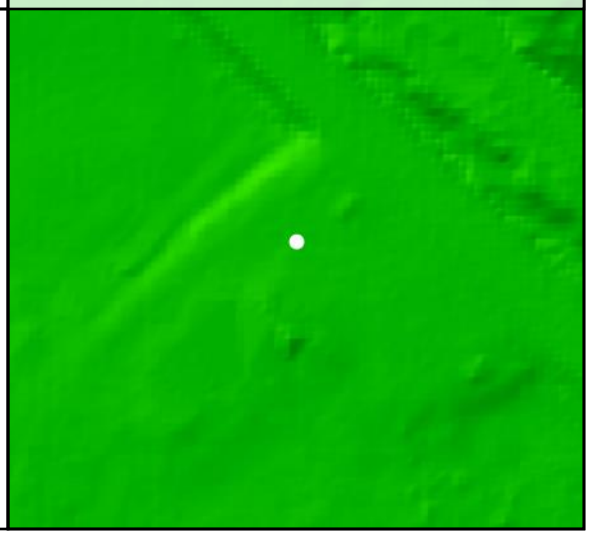


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.11 m

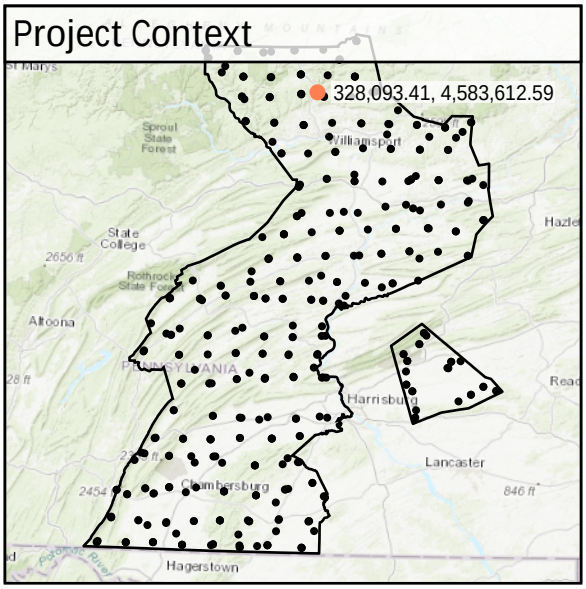
NVA - UA03

All Points TIN Dz +0.11 m

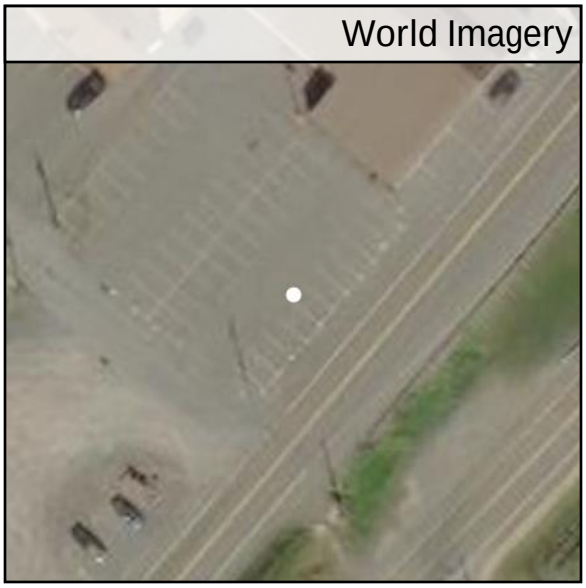
UA04

Known Z	207.18 m	Point Density	4.17 ppsm
DEM Dz	0.06 m	Ground Density	2.33 ppsm
All Points TIN Dz	0.06 m	Slope	1.92 °

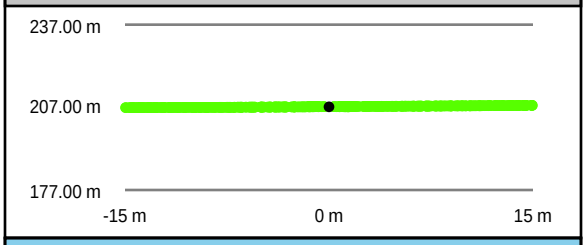
Project Context



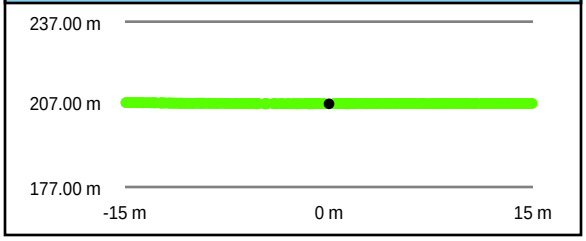
World Imagery



Southwest to Northeast



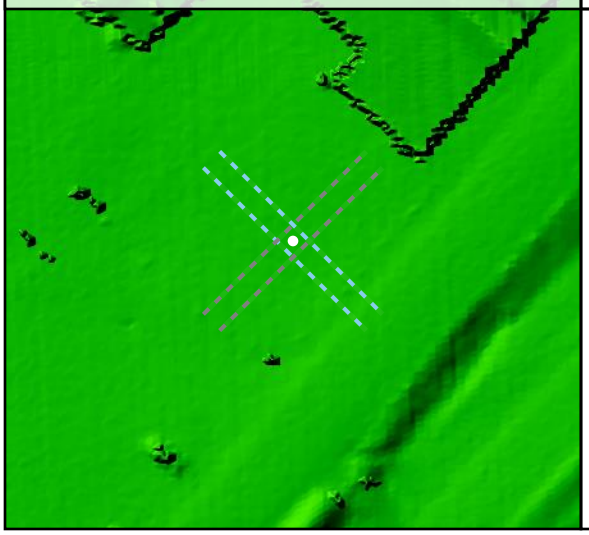
Southeast to Northwest



Intensity Raster



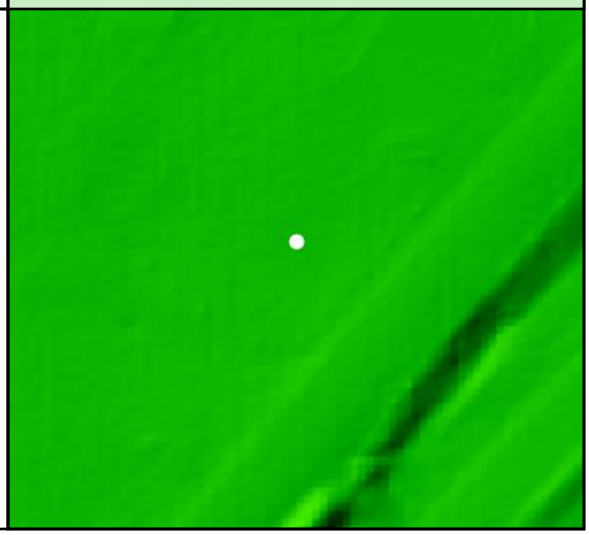
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.06 m

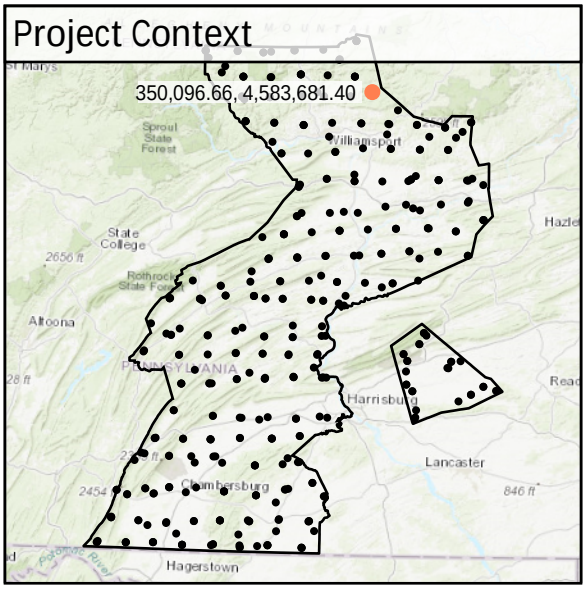
NVA - UA04

All Points TIN Dz +0.06 m

UA05

Known Z	236.70 m	Point Density	2.76 ppsm
DEM Dz	0.06 m	Ground Density	2.76 ppsm
All Points TIN Dz	0.06 m	Slope	1.23 °

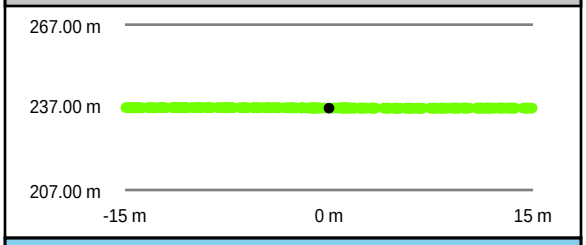
Project Context



World Imagery



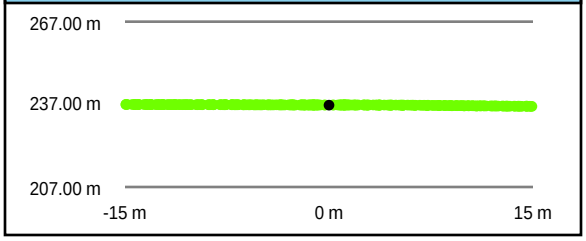
Southeast to Northwest



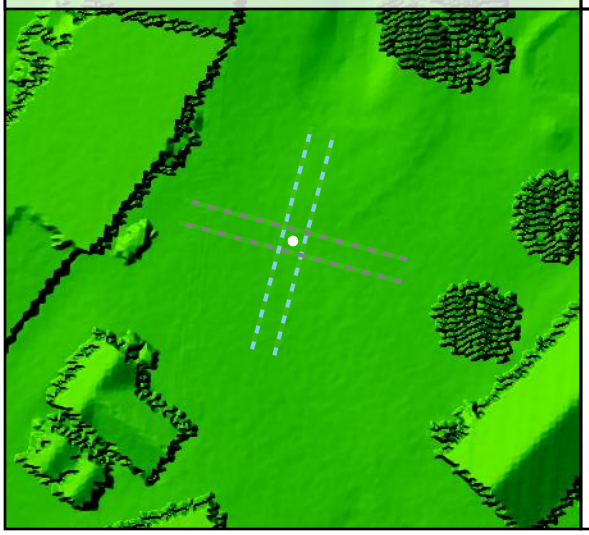
Intensity Raster



Southwest to Northeast



TIN Surface

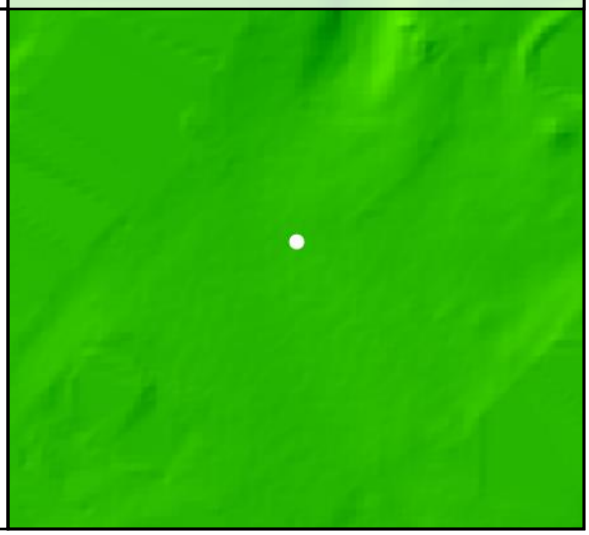


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.06 m

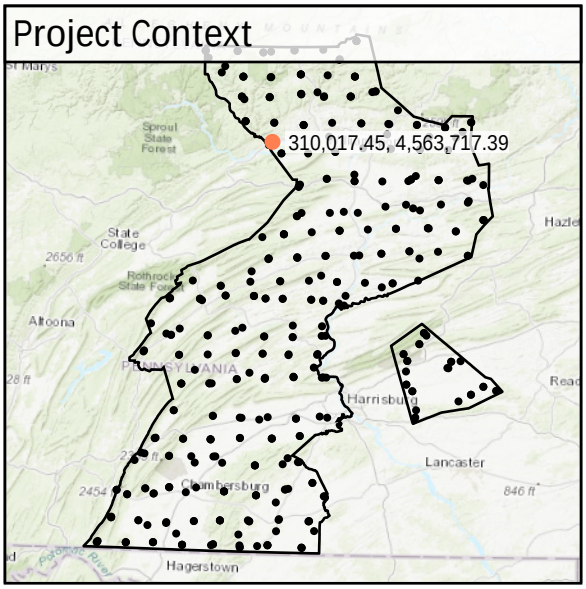
NVA - UA05

All Points TIN Dz +0.06 m

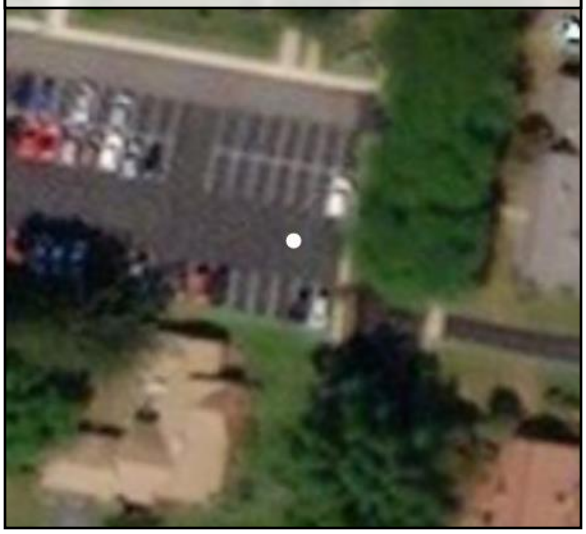
UA06

Known Z	190.52 m	Point Density	5.69 ppsm
DEM Dz	0.02 m	Ground Density	3.29 ppsm
All Points TIN Dz	0.01 m	Slope	1.29 °

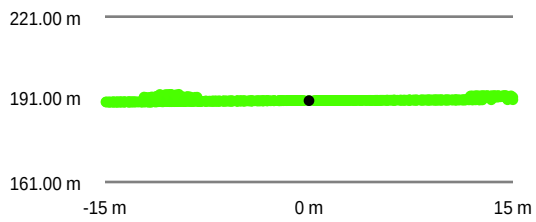
Project Context



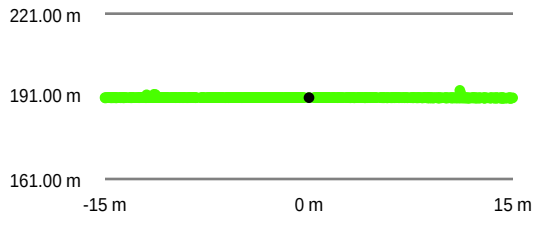
World Imagery



Southeast to Northwest



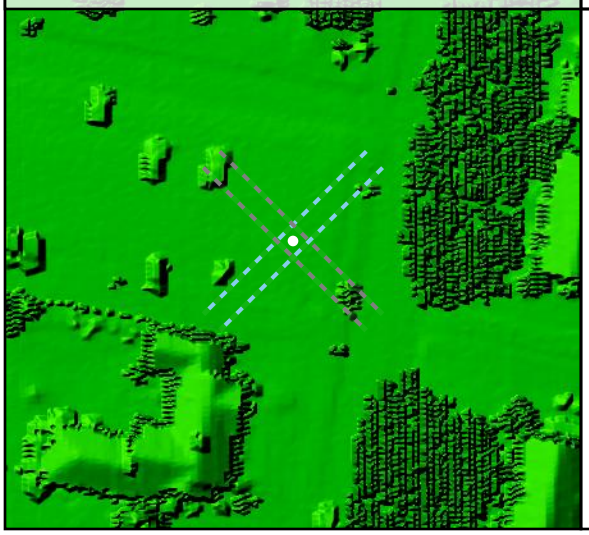
Southwest to Northeast



Intensity Raster



TIN Surface

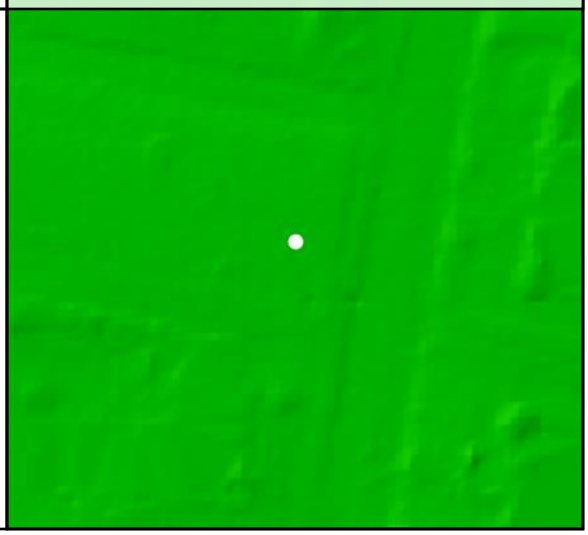


Project Elevation

716.97

103.02

DEM Surface



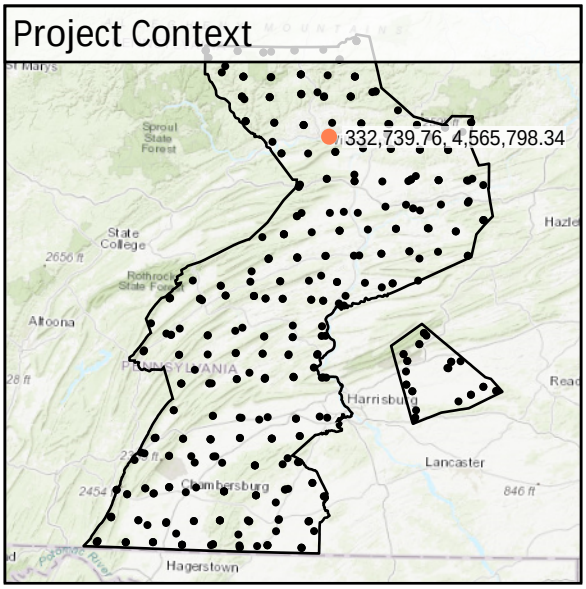
DEM Dz +0.02 m

NVA - UA06

All Points TIN Dz +0.01 m

UA07				
	Known Z	195.77 m	Point Density	6.19 ppsm
	DEM Dz	0.11 m	Ground Density	2.76 ppsm
	All Points TIN Dz	0.09 m	Slope	1.21 °

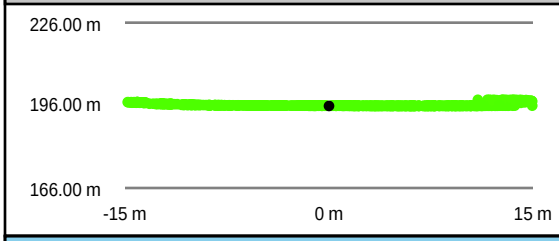
Project Context



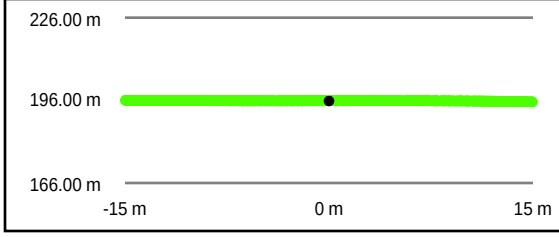
World Imagery



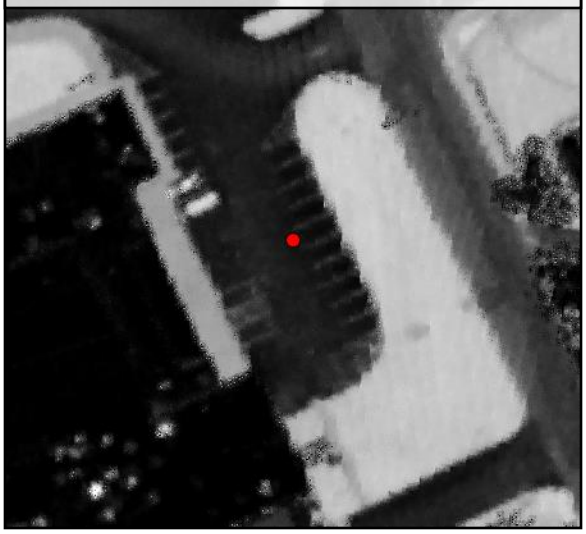
Southeast to Northwest



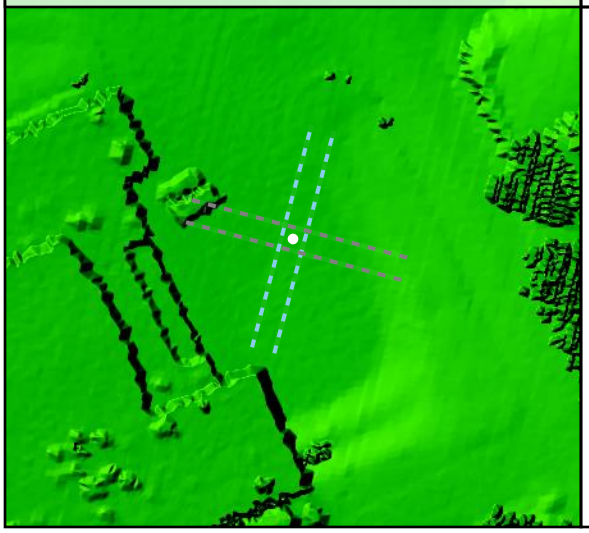
Southwest to Northeast



Intensity Raster



TIN Surface



Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.11 m

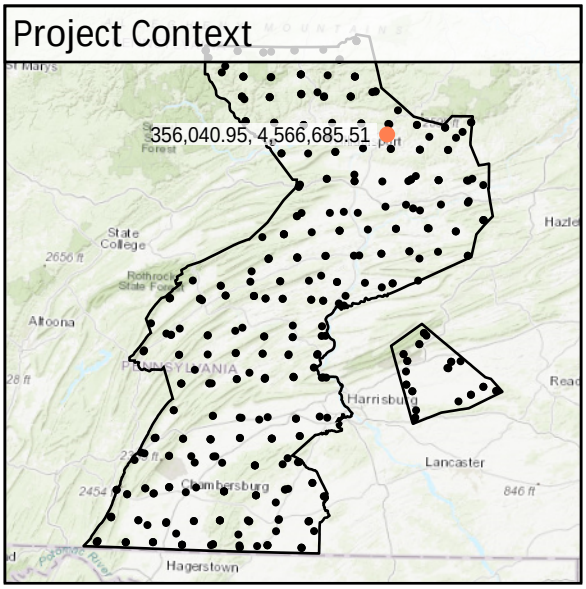
NVA - UA07

All Points TIN Dz +0.09 m

UA08

Known Z	175.02 m	Point Density	5.34 ppsm
DEM Dz	0.05 m	Ground Density	3.32 ppsm
All Points TIN Dz	0.05 m	Slope	1.73 °

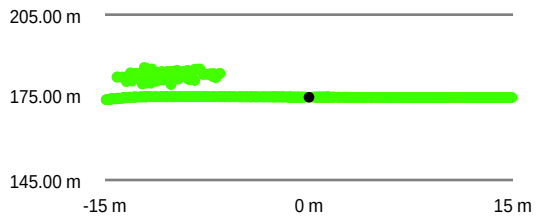
Project Context



World Imagery



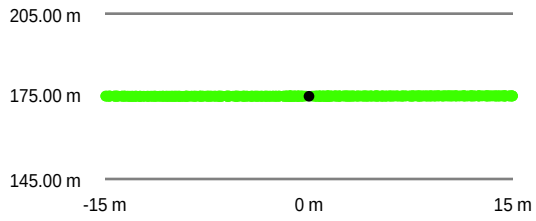
Southeast to Northwest



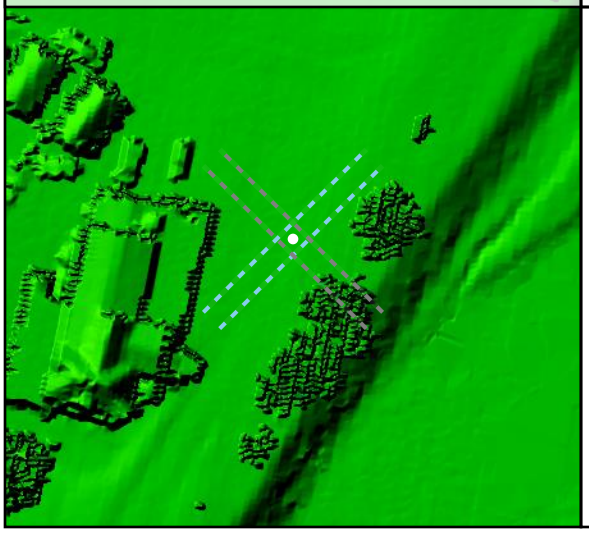
Intensity Raster



Southwest to Northeast



TIN Surface

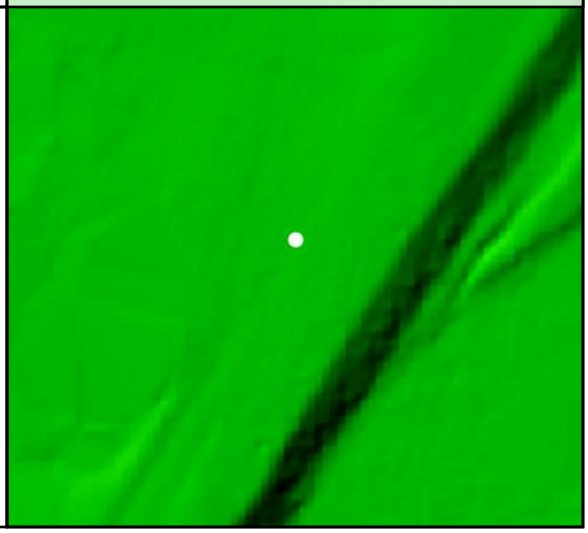


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.05 m

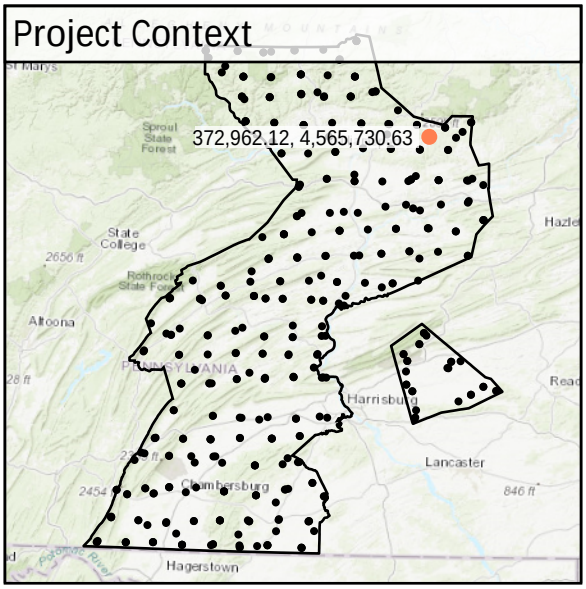
NVA - UA08

All Points TIN Dz +0.05 m

UA09

Known Z	374.50 m	Point Density	5.34 ppsm
DEM Dz	0.03 m	Ground Density	2.02 ppsm
All Points TIN Dz	0.04 m	Slope	3.67 °

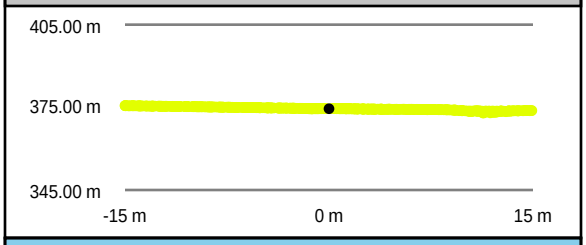
Project Context



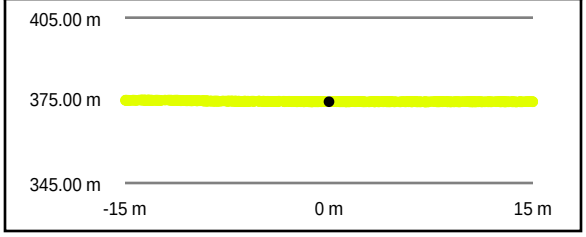
World Imagery



Southeast to Northwest



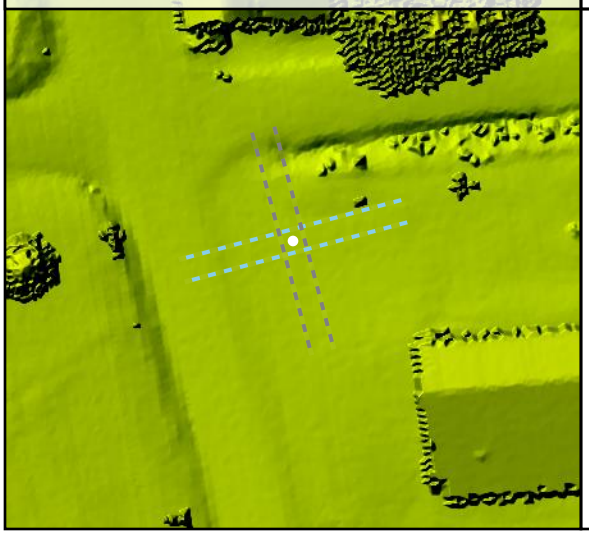
Southwest to Northeast



Intensity Raster



TIN Surface

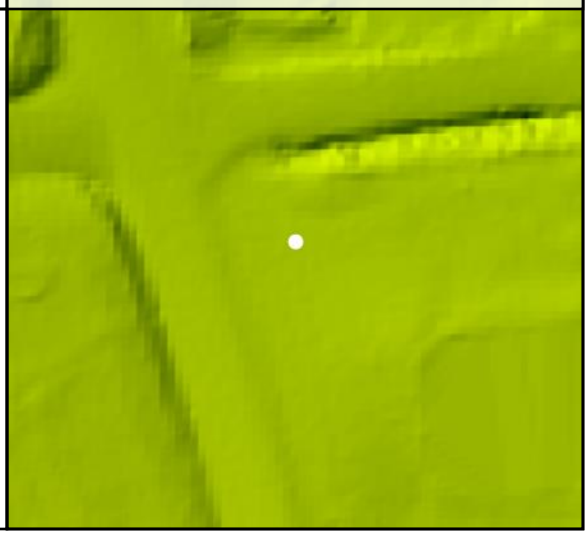


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.03 m

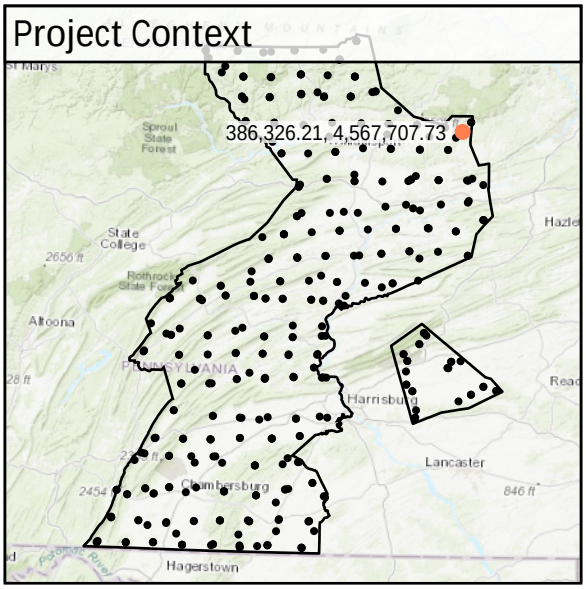
NVA - UA09

All Points TIN Dz +0.04 m

UA10

Known Z	278.18 m	Point Density	9.20 ppsm
DEM Dz	0.04 m	Ground Density	5.52 ppsm
All Points TIN Dz	0.03 m	Slope	2.93 °

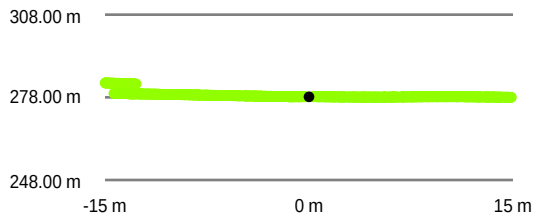
Project Context



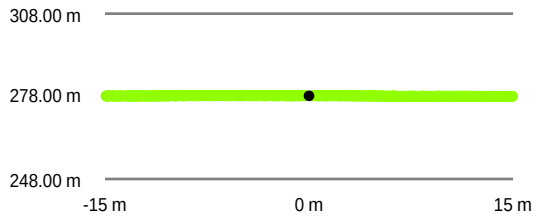
World Imagery



Southeast to Northwest



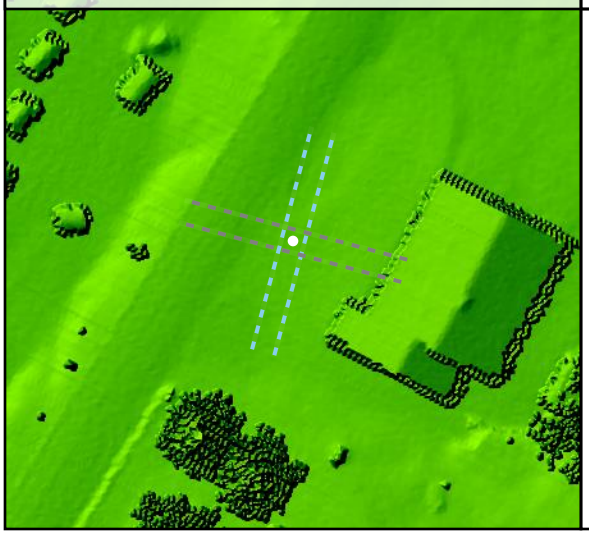
Southwest to Northeast



Intensity Raster



TIN Surface

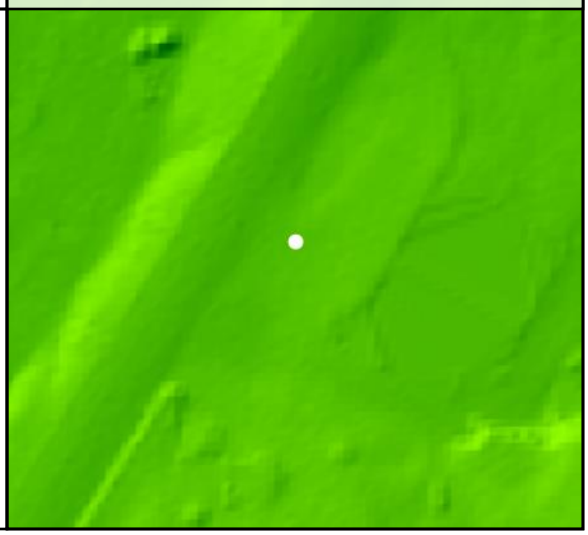


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.04 m

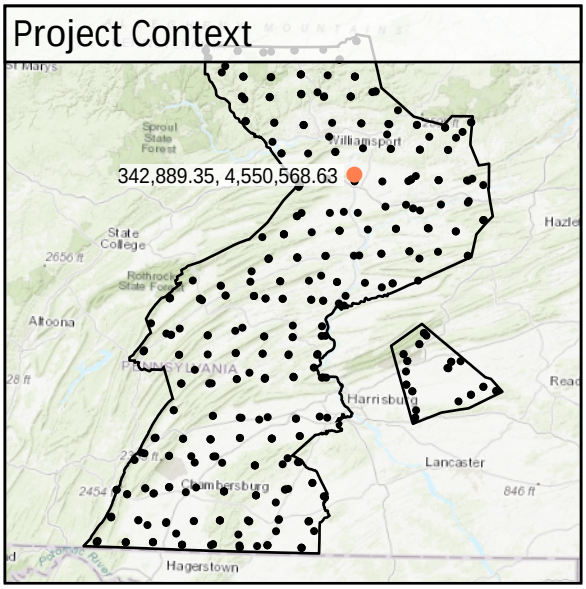
NVA - UA10

All Points TIN Dz +0.03 m

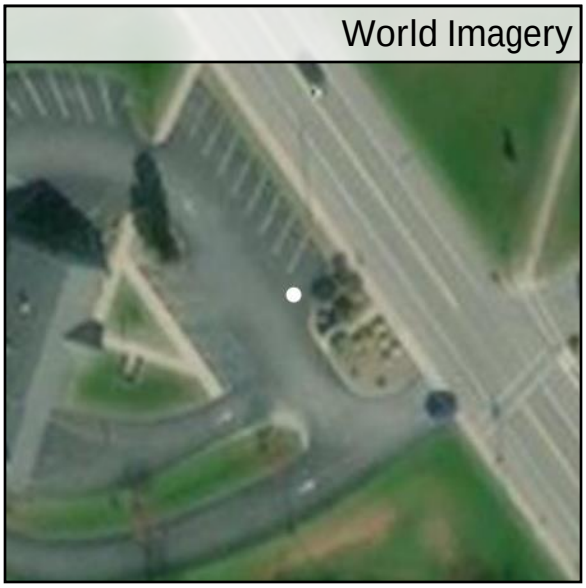
UA11

Known Z	145.46 m	Point Density	4.99 ppsm
DEM Dz	0.01 m	Ground Density	2.26 ppsm
All Points TIN Dz	0.01 m	Slope	1.21 °

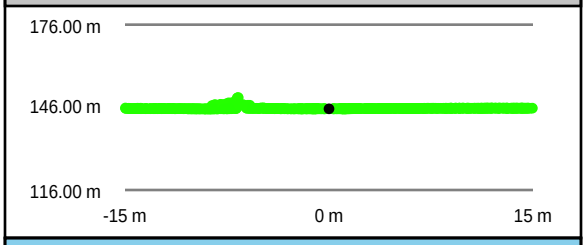
Project Context



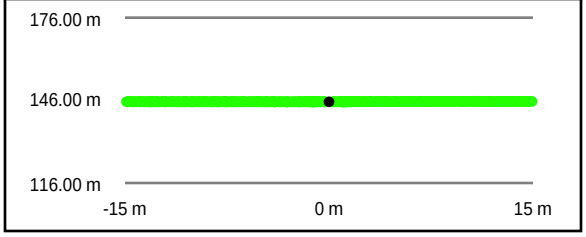
World Imagery



Southeast to Northwest



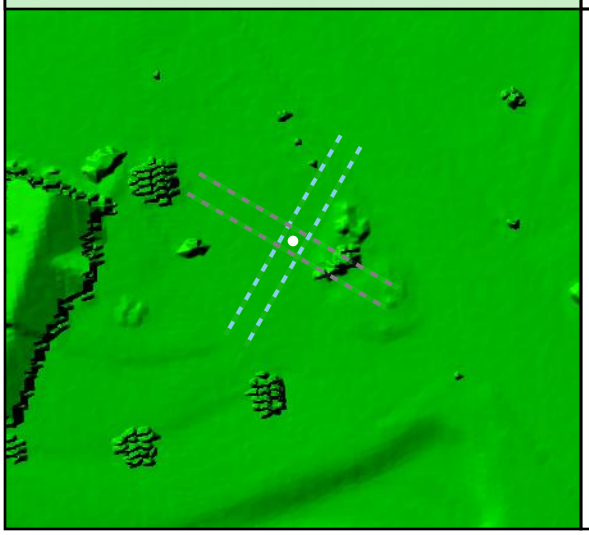
Southwest to Northeast



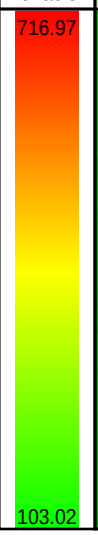
Intensity Raster



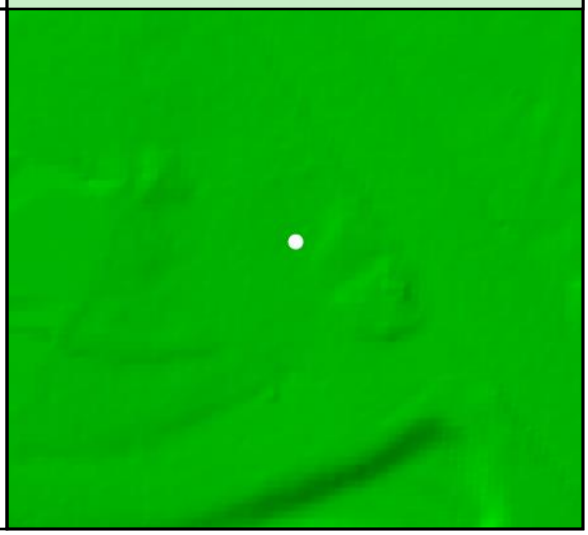
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.01 m

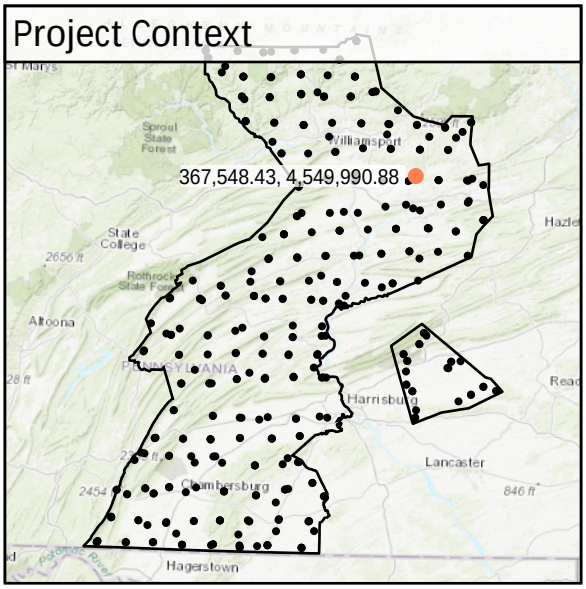
NVA - UA11

All Points TIN Dz +0.01 m

UA12

Known Z	197.73 m	Point Density	7.04 ppsm
DEM Dz	0.04 m	Ground Density	2.33 ppsm
All Points TIN Dz	0.04 m	Slope	2.40 °

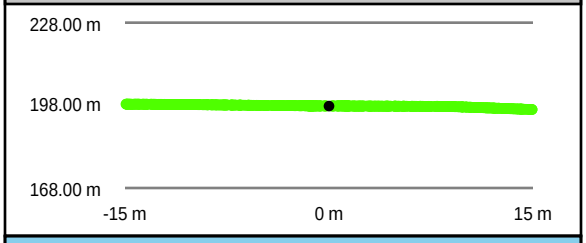
Project Context



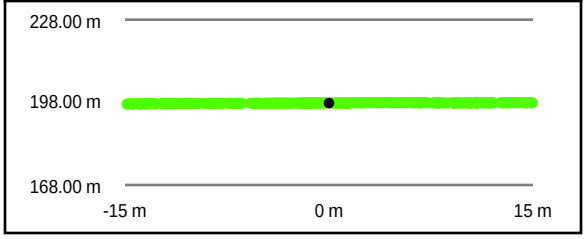
World Imagery



South to North



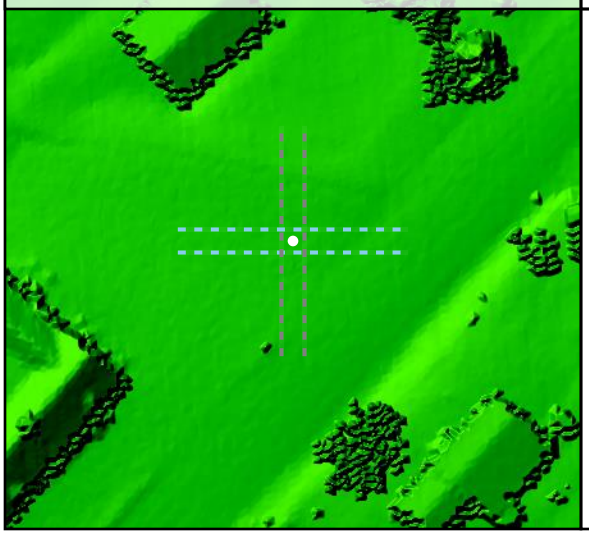
West to East



Intensity Raster



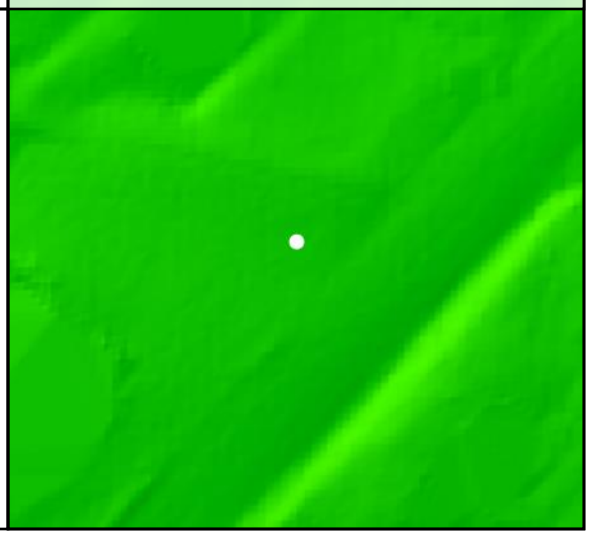
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.04 m

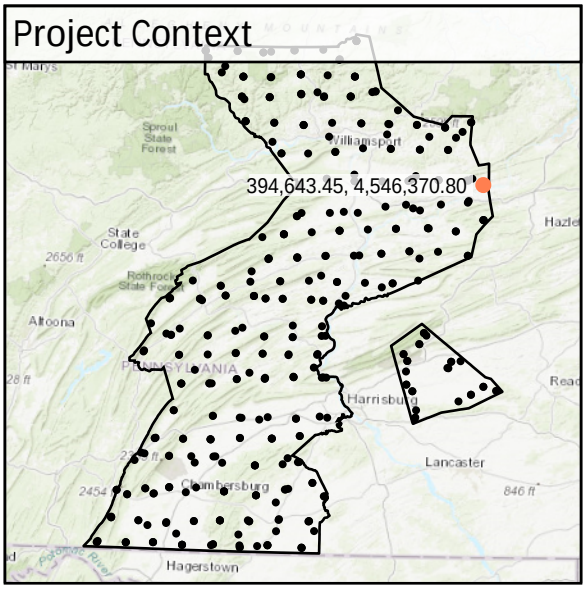
NVA - UA12

All Points TIN Dz +0.04 m

UA13

Known Z	160.89 m	Point Density	4.14 ppsm
DEM Dz	0.02 m	Ground Density	2.26 ppsm
All Points TIN Dz	0.03 m	Slope	3.24 °

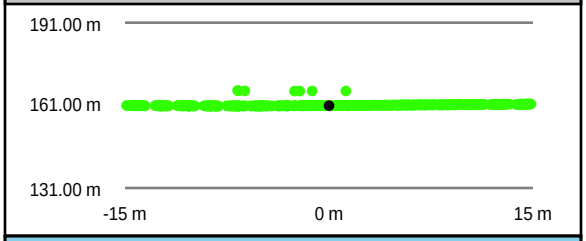
Project Context



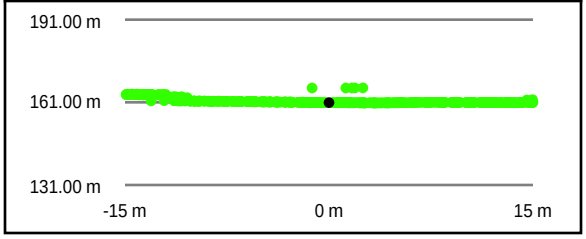
World Imagery



West to East



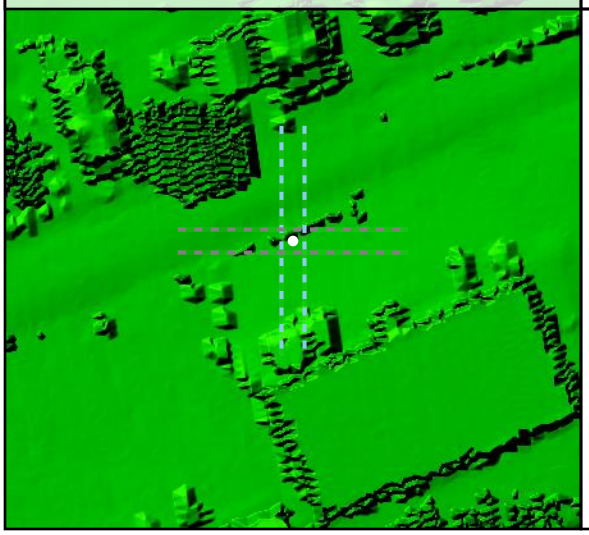
South to North



Intensity Raster



TIN Surface

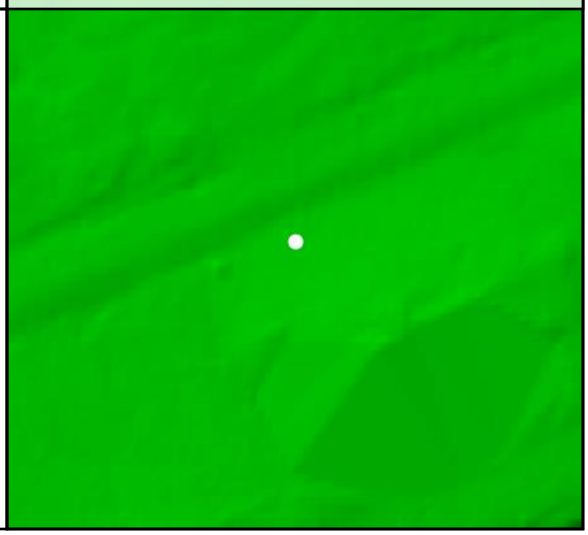


Project Elevation

716.97

103.02

DEM Surface



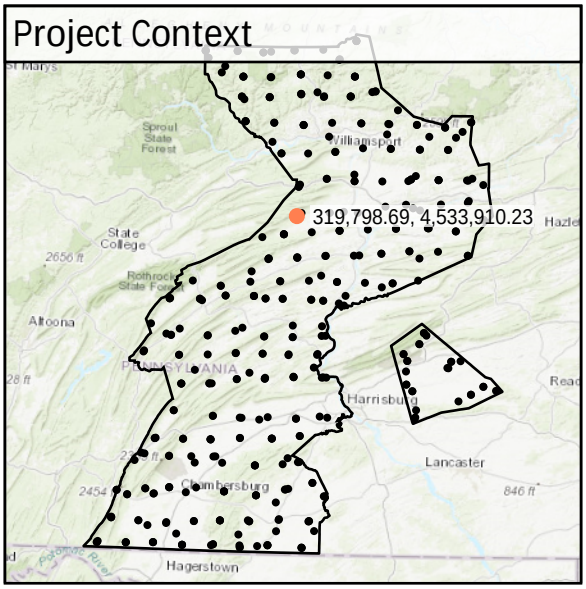
DEM Dz +0.02 m

NVA - UA13

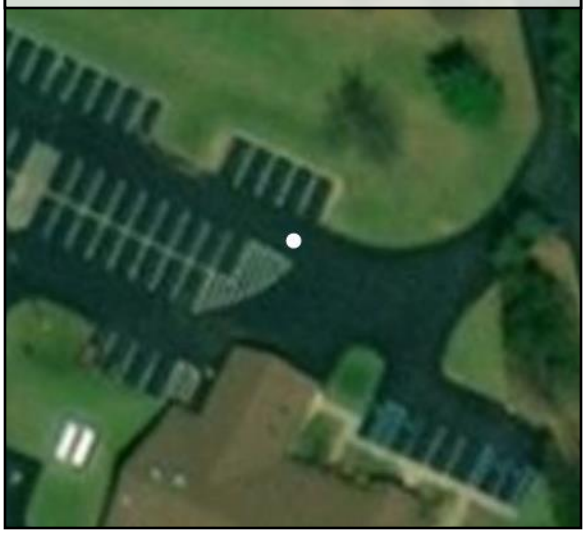
All Points TIN Dz +0.03 m

UA14				
	Known Z	251.63 m	Point Density	5.27 ppsm
	DEM Dz	0.06 m	Ground Density	4.03 ppsm
	All Points TIN Dz	0.05 m	Slope	3.89 °

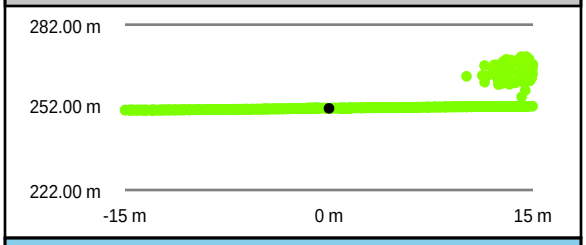
Project Context



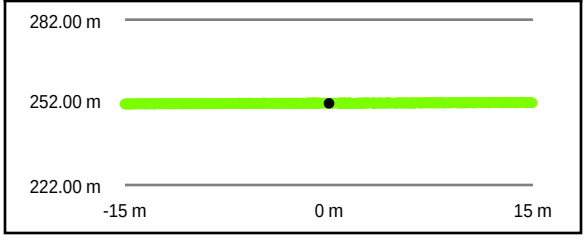
World Imagery



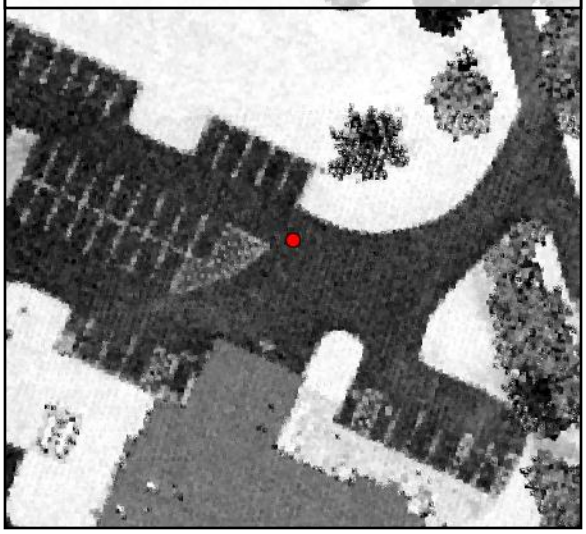
Southwest to Northeast



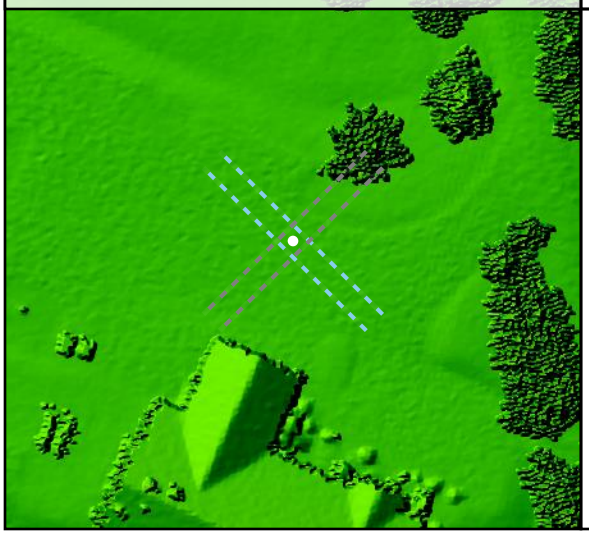
Southeast to Northwest



Intensity Raster



TIN Surface

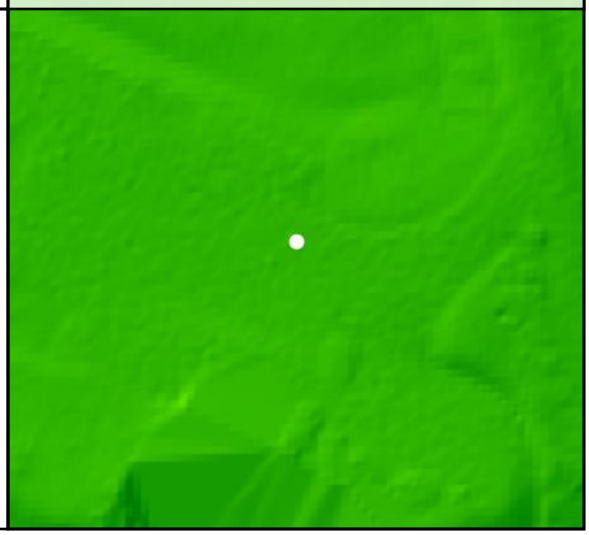


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.06 m

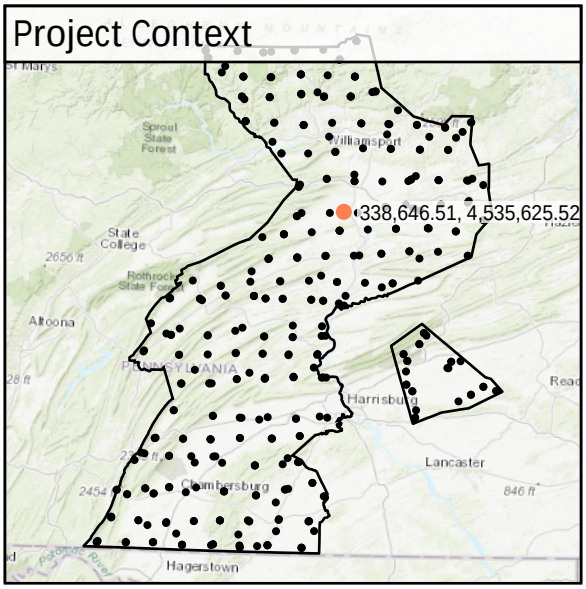
NVA - UA14

All Points TIN Dz +0.05 m

UA15

Known Z	146.32 m	Point Density	3.78 ppsm
DEM Dz	0.01 m	Ground Density	3.47 ppsm
All Points TIN Dz	0.01 m	Slope	0.90 °

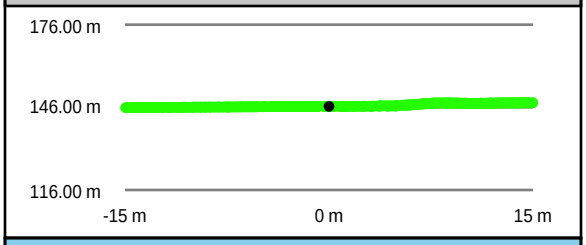
Project Context



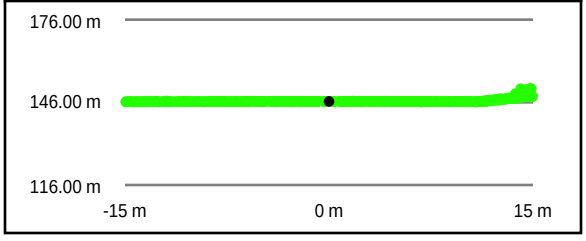
World Imagery



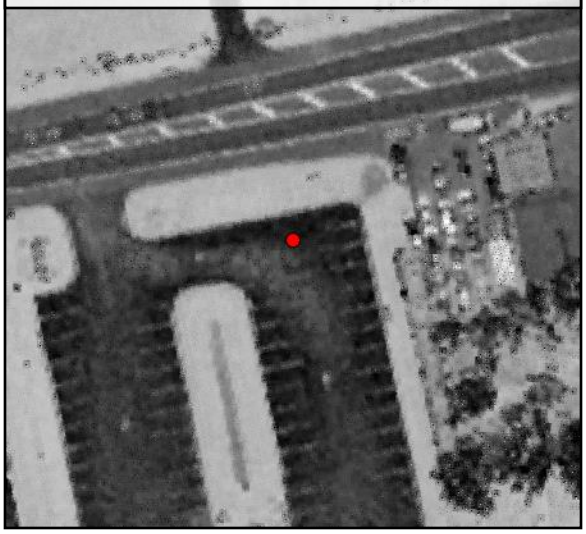
South to North



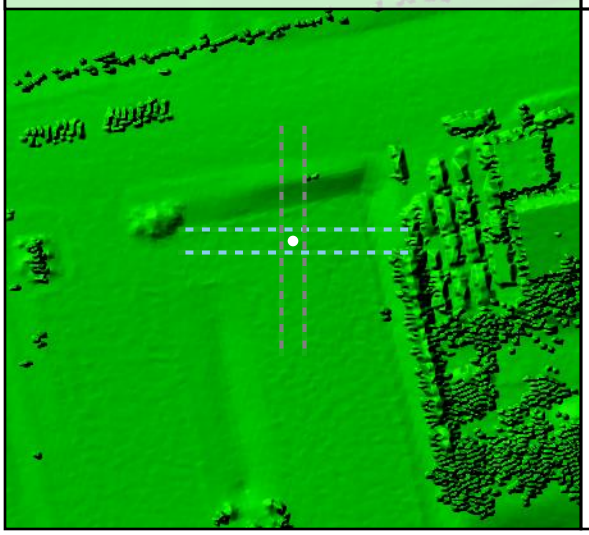
West to East



Intensity Raster



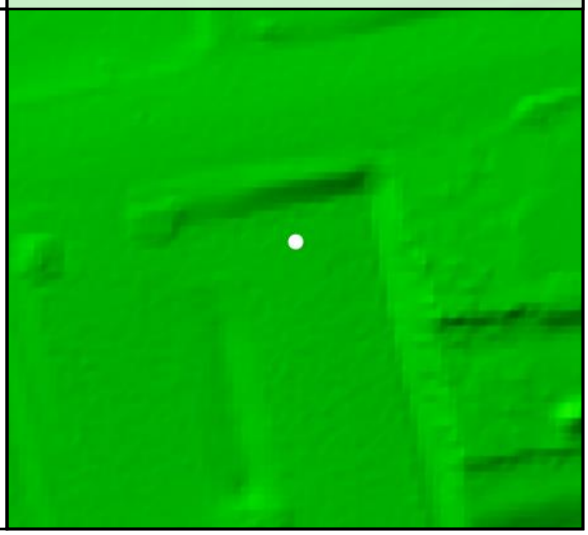
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.01 m

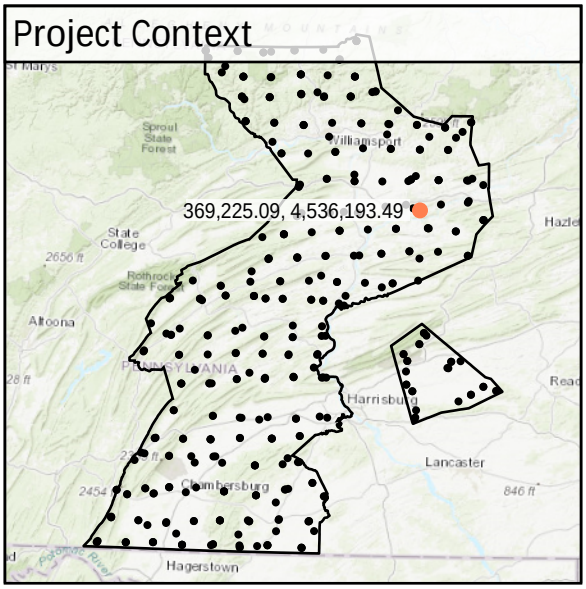
NVA - UA15

All Points TIN Dz +0.01 m

UA16

Known Z	180.10 m	Point Density	6.40 ppsm
DEM Dz	0.01 m	Ground Density	3.78 ppsm
All Points TIN Dz	0.02 m	Slope	0.52 °

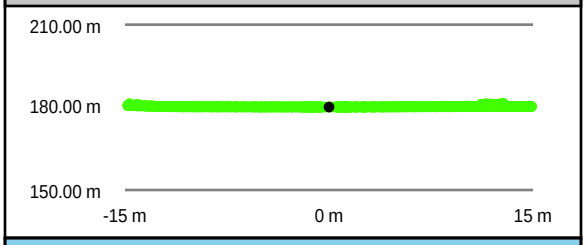
Project Context



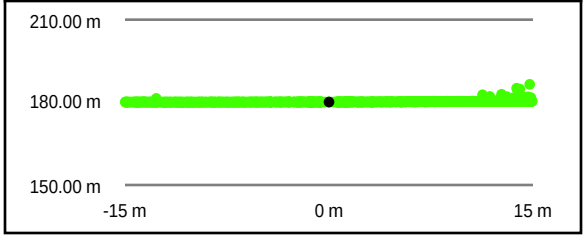
World Imagery



South to North



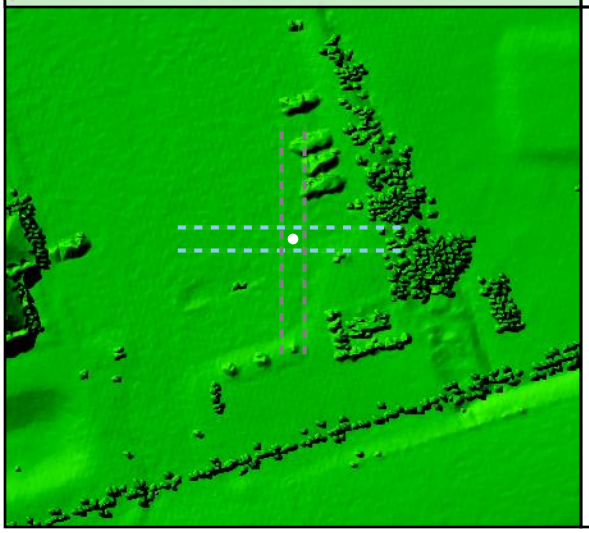
West to East



Intensity Raster



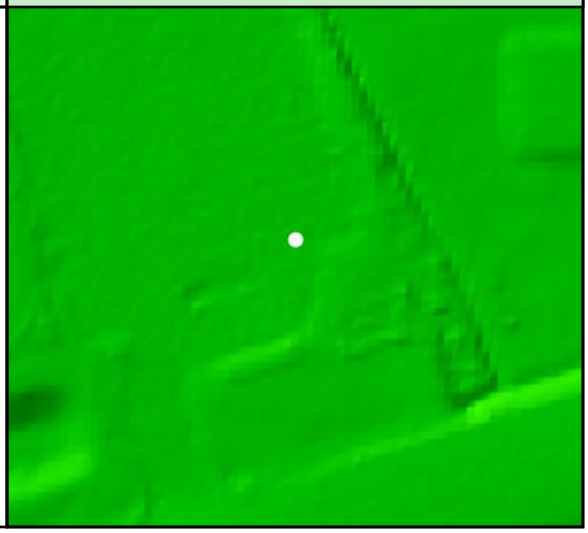
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.01 m

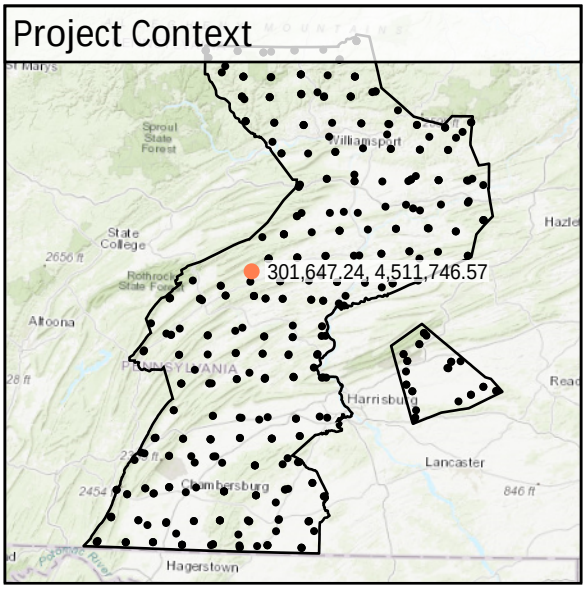
NVA - UA16

All Points TIN Dz +0.02 m

UA17

Known Z	220.70 m	Point Density	22.25 ppsm
DEM Dz	-0.09 m	Ground Density	2.58 ppsm
All Points TIN Dz	-0.09 m	Slope	4.31 °

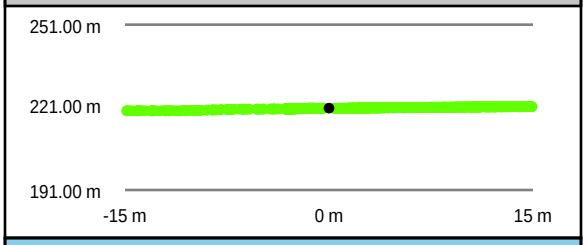
Project Context



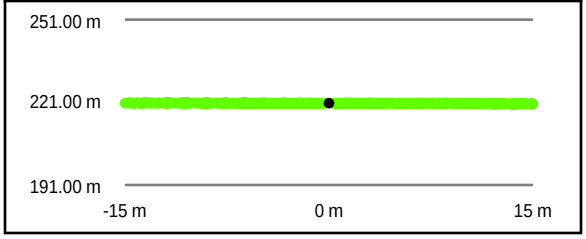
World Imagery



Southeast to Northwest



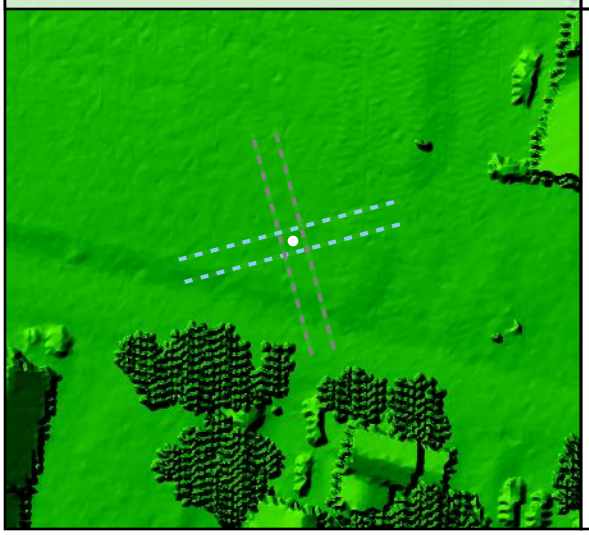
Southwest to Northeast



Intensity Raster



TIN Surface

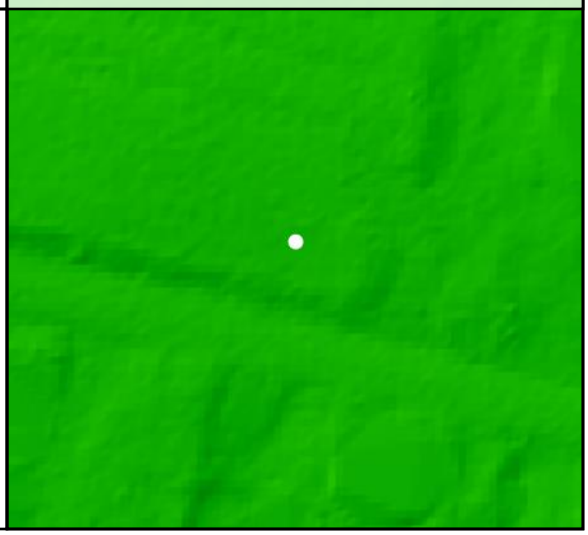


Project Elevation

716.97

103.02

DEM Surface



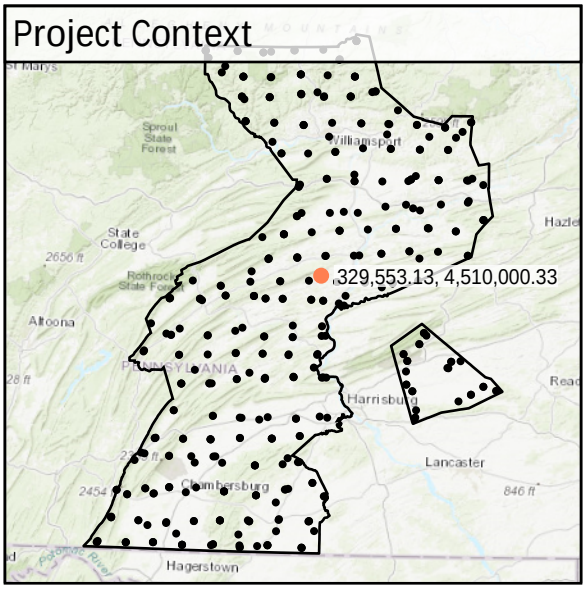
DEM Dz -0.09 m

NVA - UA17

All Points TIN Dz -0.09 m

UA18				
	Known Z	181.46 m	Point Density	5.55 ppsm
	DEM Dz	-0.08 m	Ground Density	2.44 ppsm
	All Points TIN Dz	-0.09 m	Slope	2.94 °

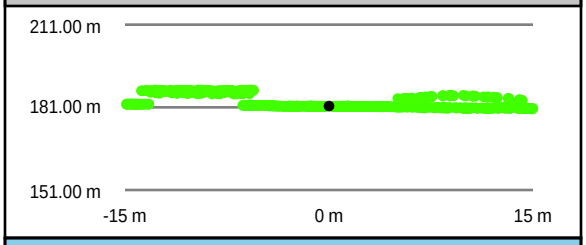
Project Context



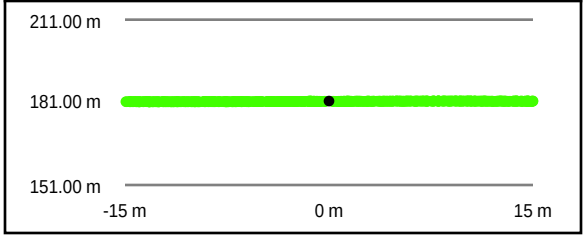
World Imagery



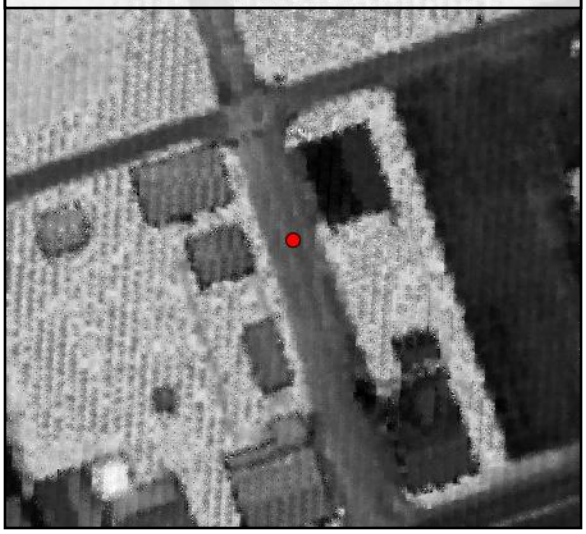
Southwest to Northeast



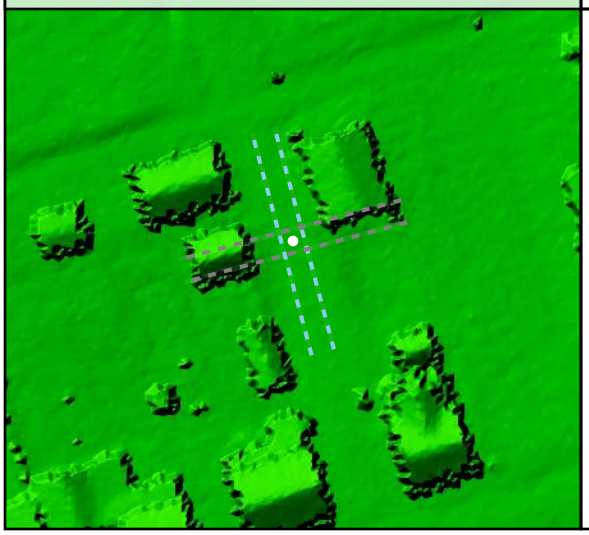
Southeast to Northwest



Intensity Raster



TIN Surface

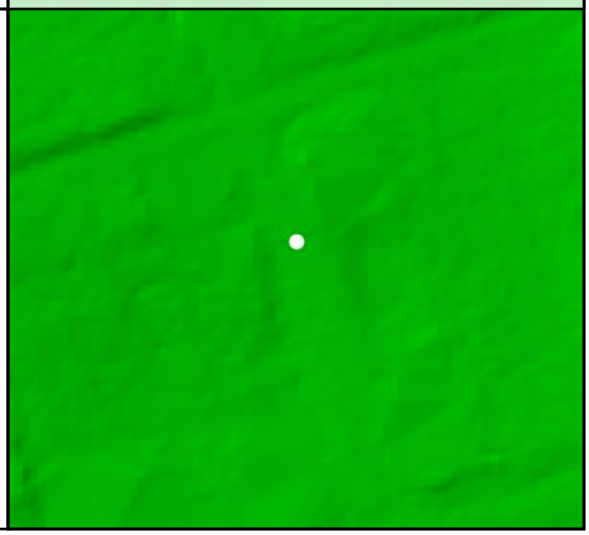


Project Elevation

716.97

103.02

DEM Surface



DEM Dz -0.08 m

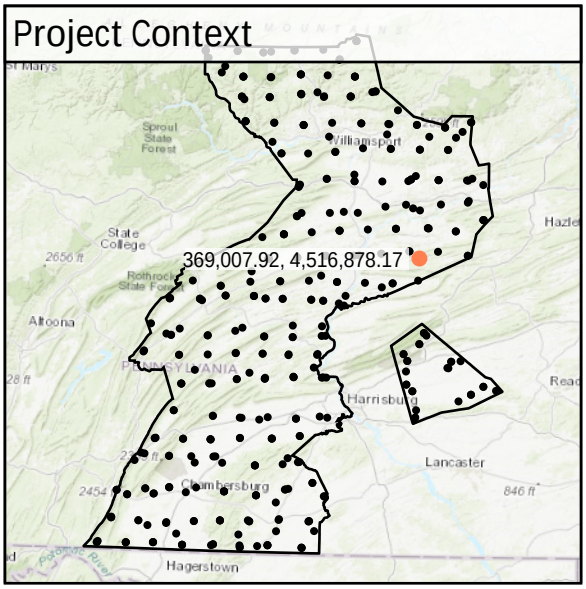
NVA - UA18

All Points TIN Dz -0.09 m

UA19

Known Z	223.93 m	Point Density	7.67 ppsm
DEM Dz	-0.15 m	Ground Density	2.76 ppsm
All Points TIN Dz	-0.15 m	Slope	1.77 °

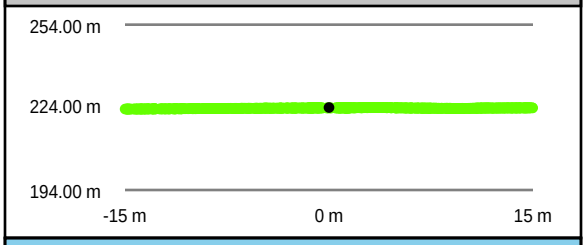
Project Context



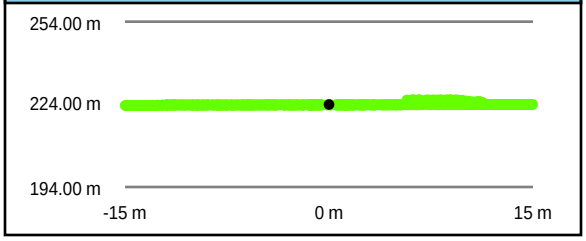
World Imagery



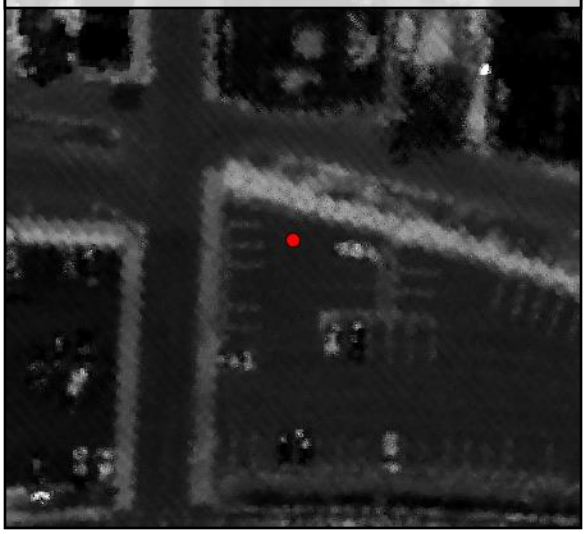
South to North



West to East



Intensity Raster



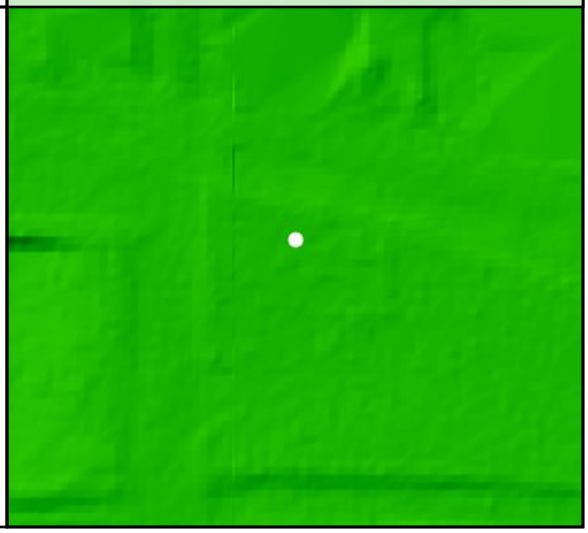
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.15 m

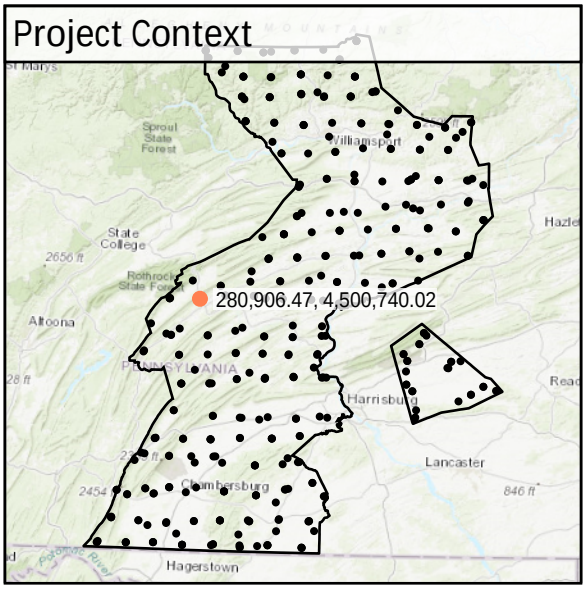
NVA - UA19

All Points TIN Dz -0.15 m

UA20

Known Z	186.47 m	Point Density	4.60 ppsm
DEM Dz	0.01 m	Ground Density	2.30 ppsm
All Points TIN Dz	0.01 m	Slope	4.01 °

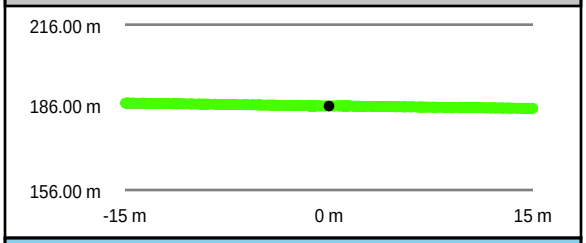
Project Context



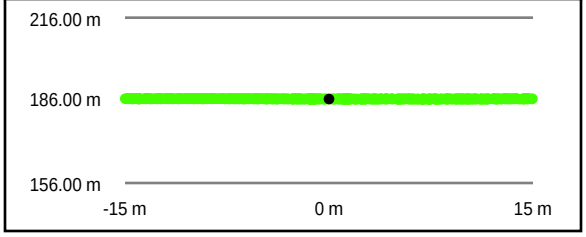
World Imagery



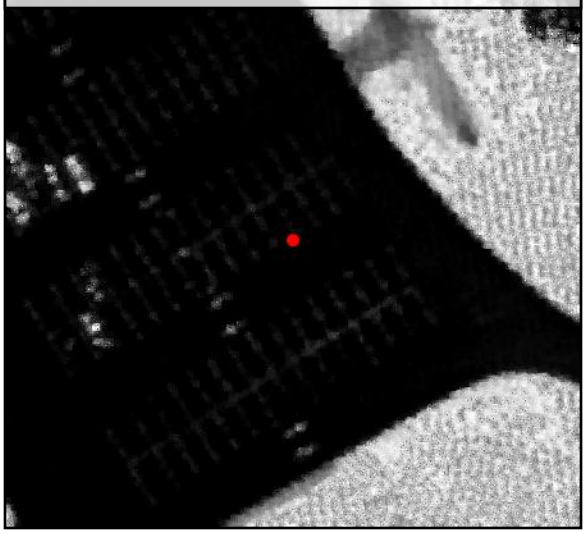
Southwest to Northeast



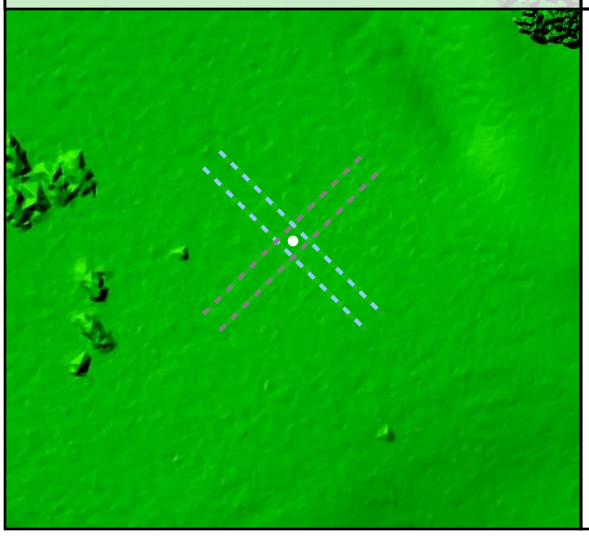
Southeast to Northwest



Intensity Raster



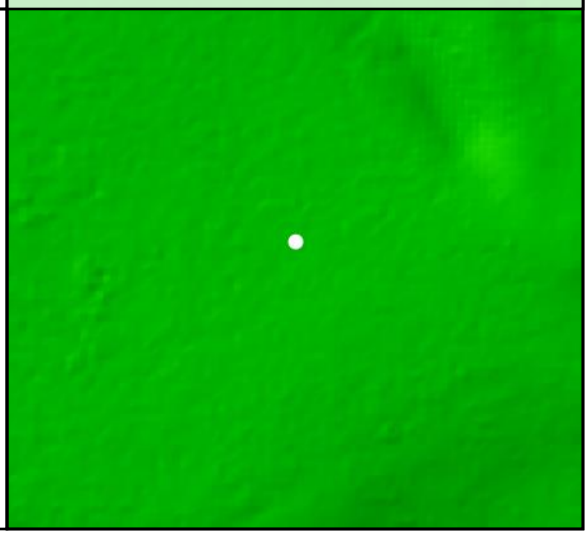
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.01 m

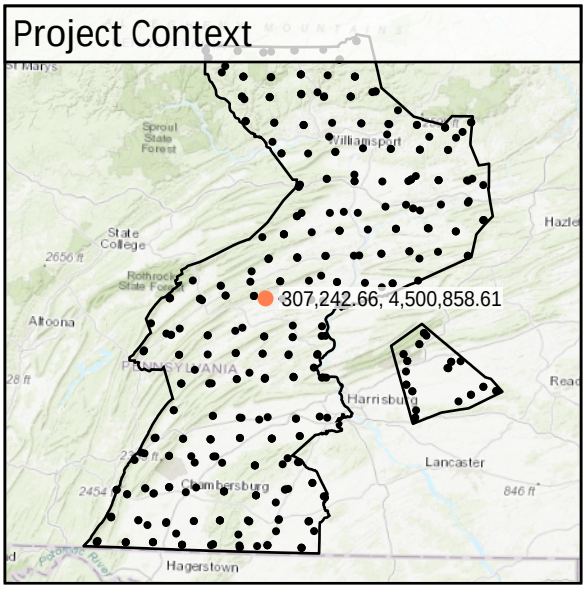
NVA - UA20

All Points TIN Dz +0.01 m

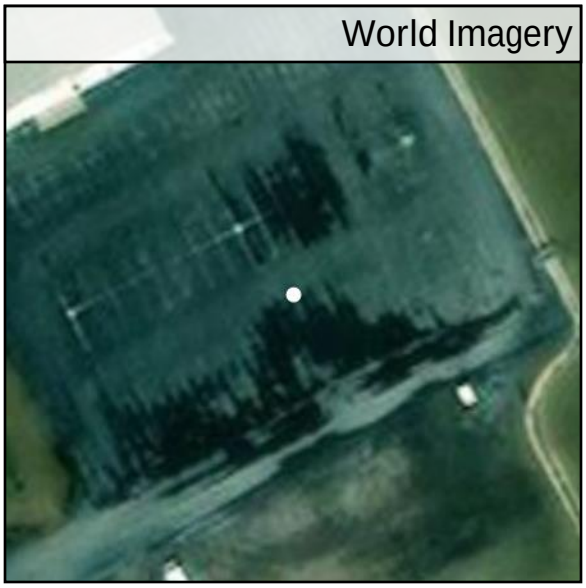
UA21

Known Z	192.53 m	Point Density	6.90 ppsm
DEM Dz	0.03 m	Ground Density	2.58 ppsm
All Points TIN Dz	0.01 m	Slope	0.36 °

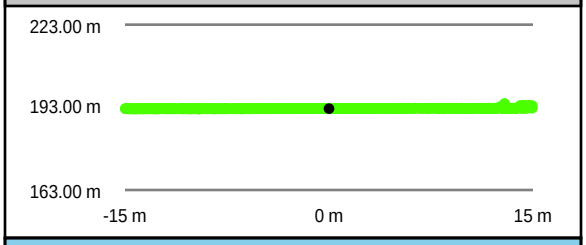
Project Context



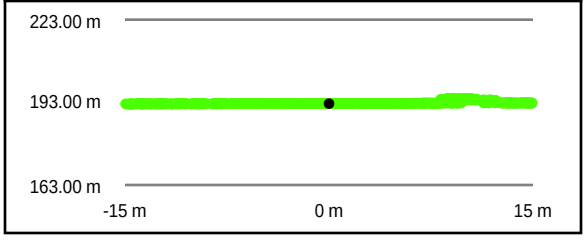
World Imagery



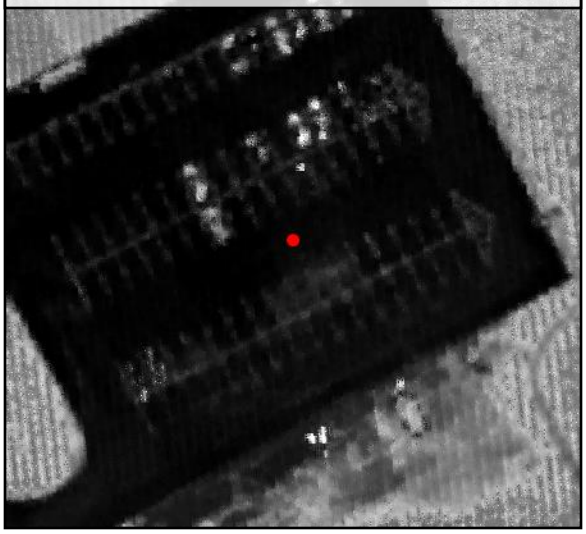
Southwest to Northeast



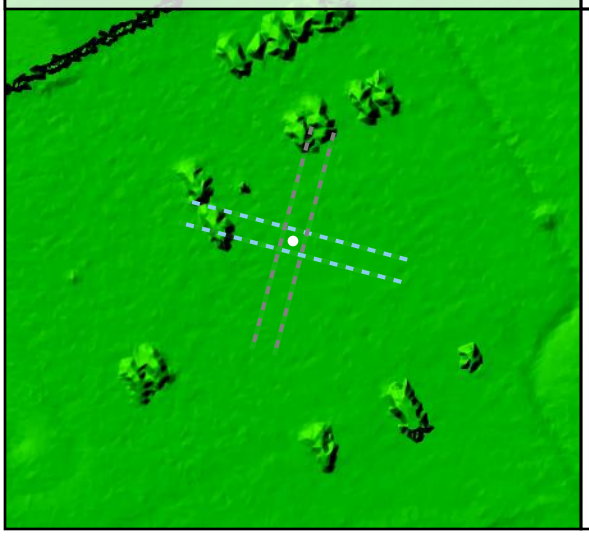
Southeast to Northwest



Intensity Raster



TIN Surface

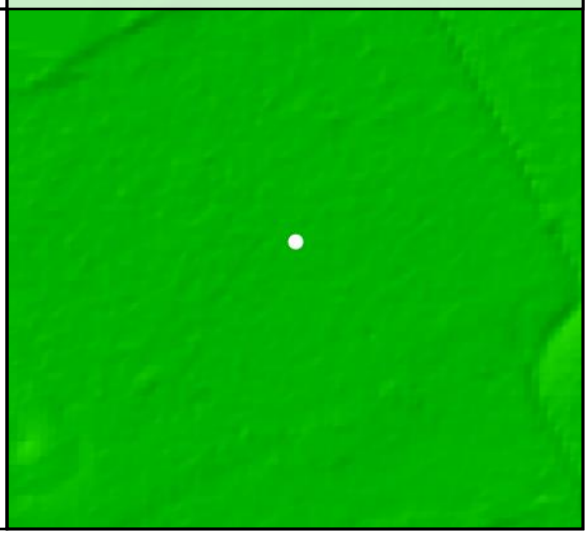


Project Elevation

716.97

103.02

DEM Surface



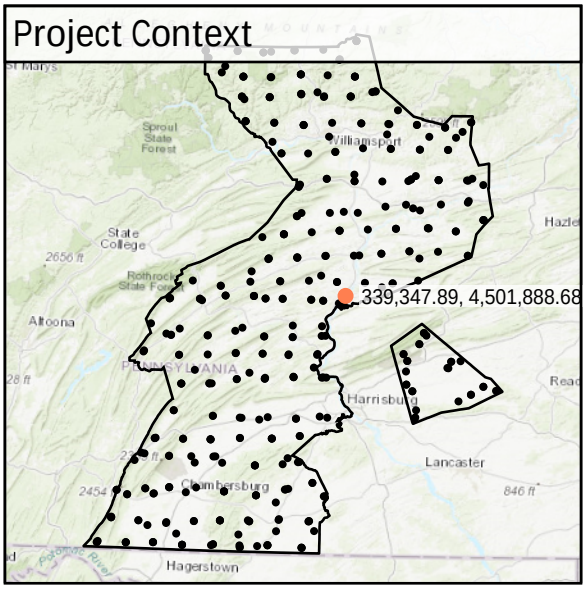
DEM Dz +0.03 m

NVA - UA21

All Points TIN Dz +0.01 m

UA22				
	Known Z	150.39 m	Point Density	4.88 ppsm
	DEM Dz	-0.06 m	Ground Density	2.51 ppsm
	All Points TIN Dz	-0.06 m	Slope	3.23 °

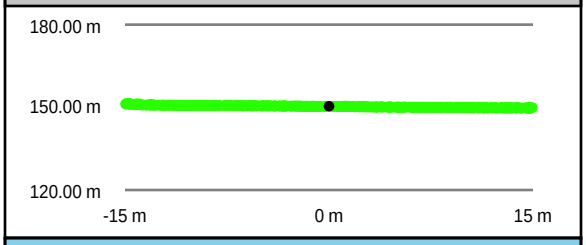
Project Context



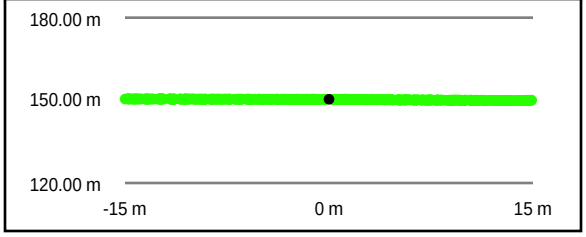
World Imagery



Southeast to Northwest



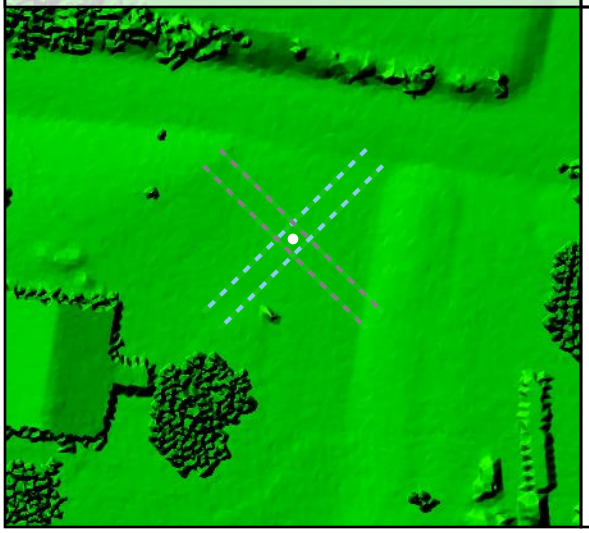
Southwest to Northeast



Intensity Raster



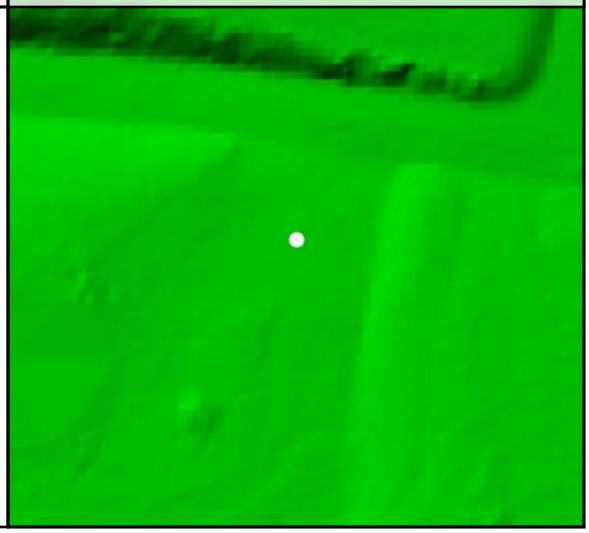
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.06 m

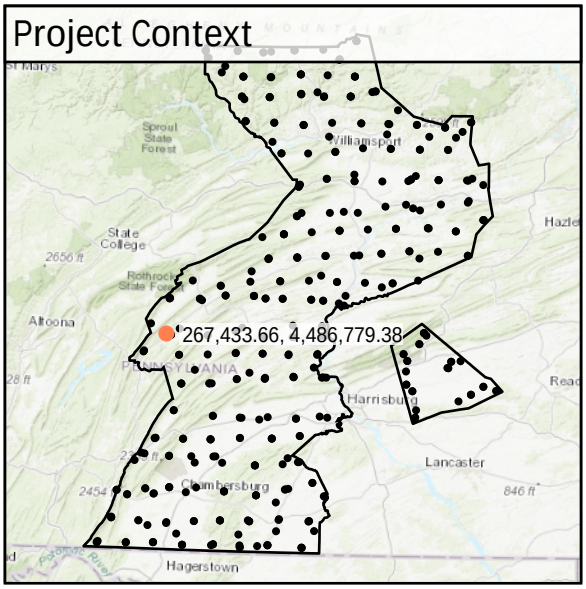
NVA - UA22

All Points TIN Dz -0.06 m

UA23

Known Z	169.45 m	Point Density	9.76 ppsm
DEM Dz	0.18 m	Ground Density	2.55 ppsm
All Points TIN Dz	0.16 m	Slope	0.60 °

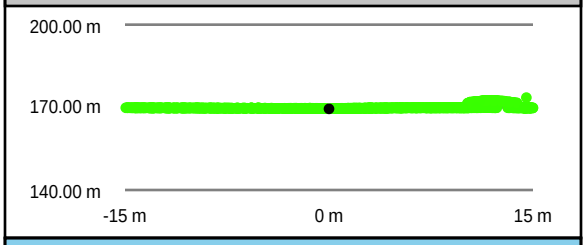
Project Context



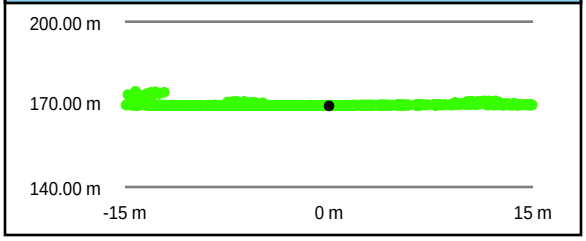
World Imagery



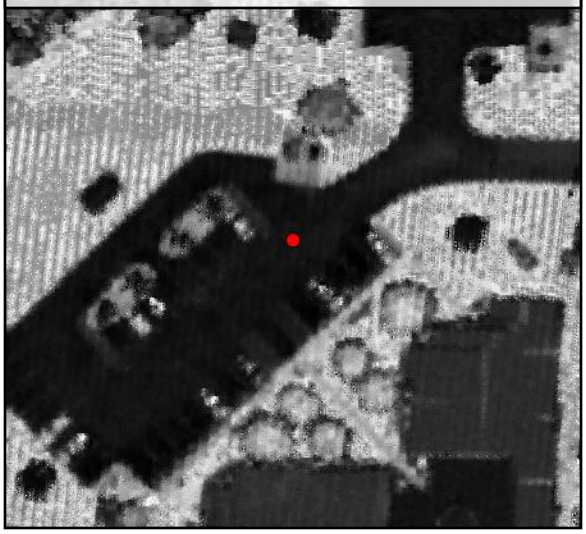
South to North



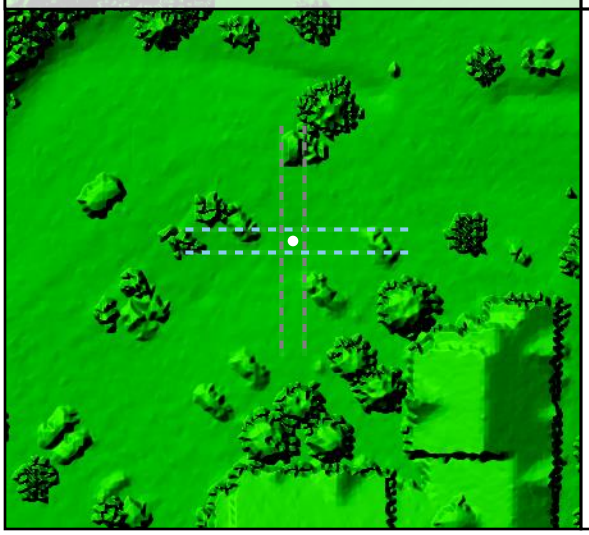
West to East



Intensity Raster



TIN Surface

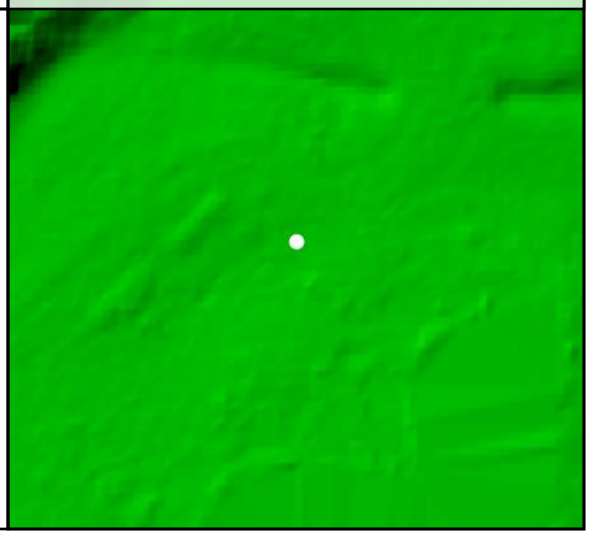


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.18 m

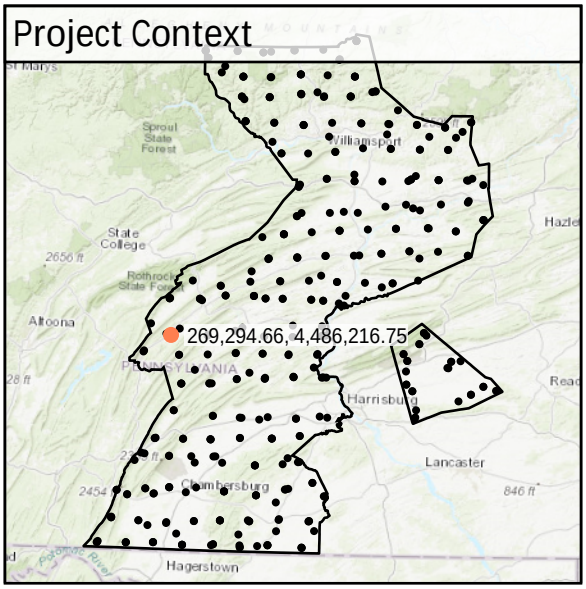
NVA - UA23

All Points TIN Dz +0.16 m

UA24

Known Z	217.13 m	Point Density	6.61 ppsm
DEM Dz	0.15 m	Ground Density	2.55 ppsm
All Points TIN Dz	0.19 m	Slope	4.13 °

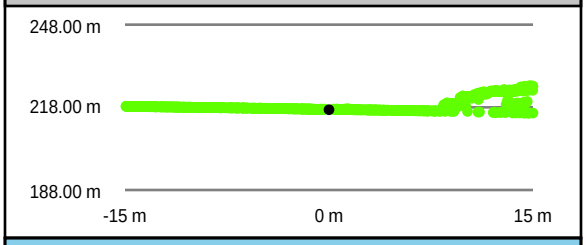
Project Context



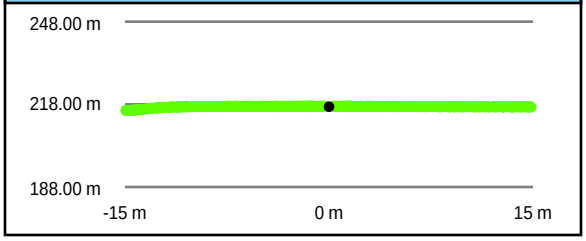
World Imagery



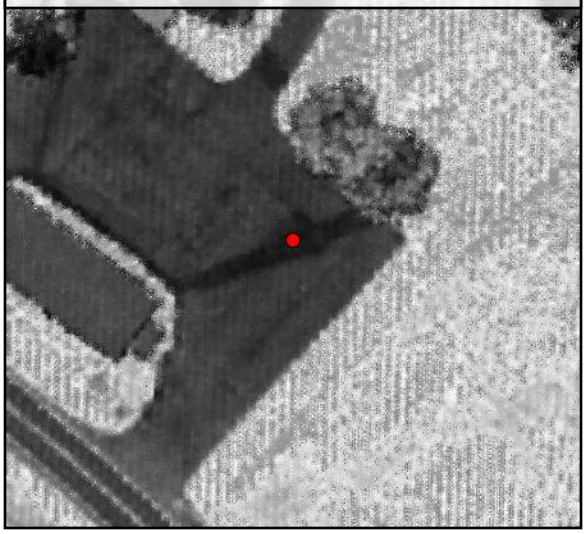
Southwest to Northeast



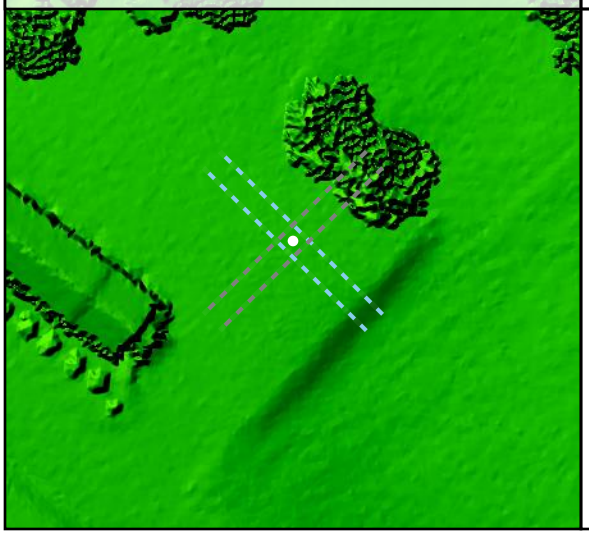
Southeast to Northwest



Intensity Raster



TIN Surface

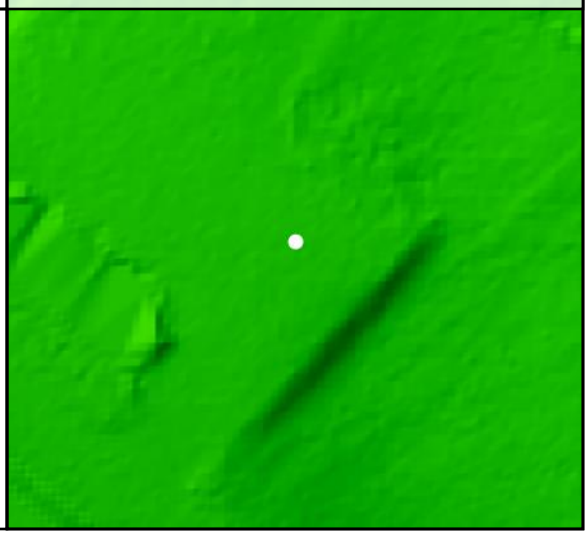


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.15 m

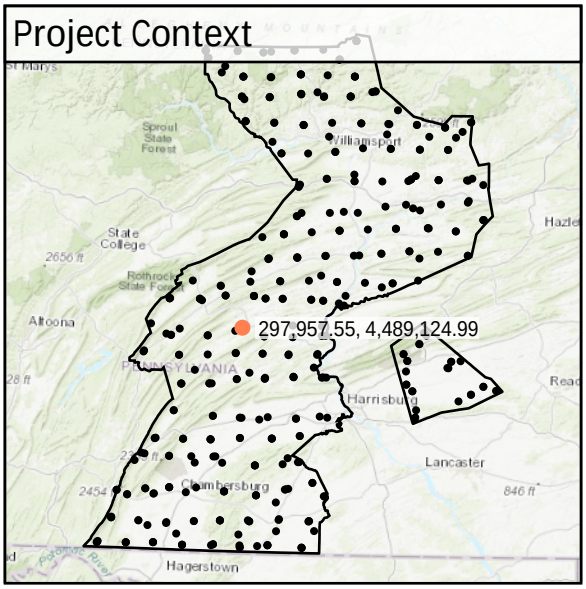
NVA - UA24

All Points TIN Dz +0.19 m

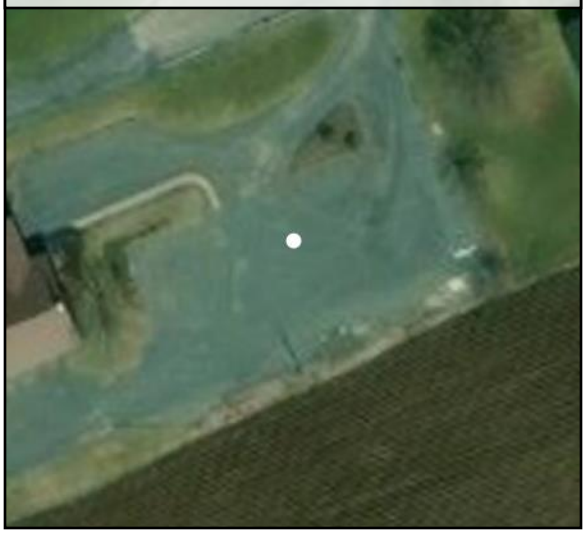
UA25

Known Z	135.48 m	Point Density	4.77 ppsm
DEM Dz	0.09 m	Ground Density	2.33 ppsm
All Points TIN Dz	0.11 m	Slope	2.88 °

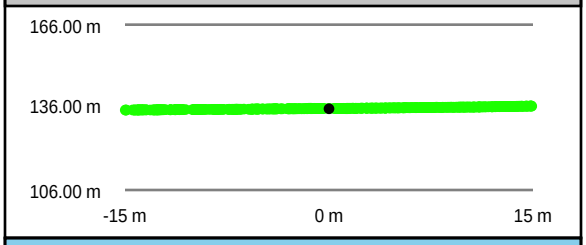
Project Context



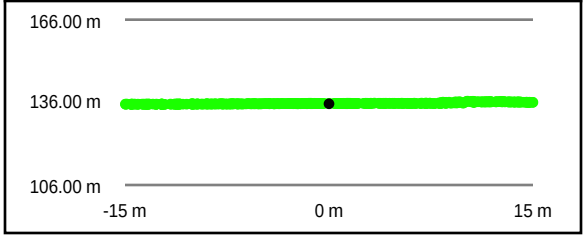
World Imagery



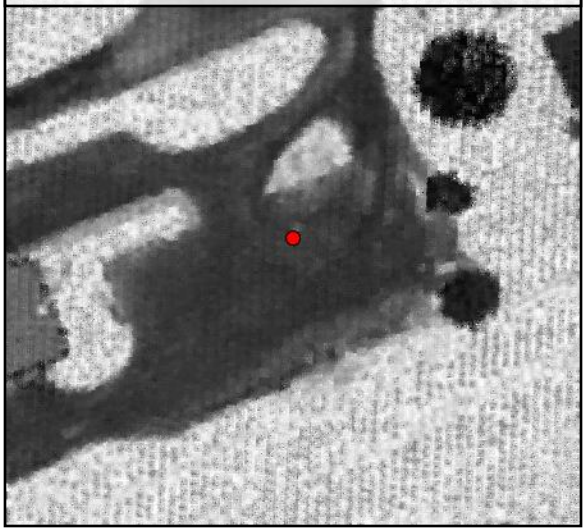
Southeast to Northwest



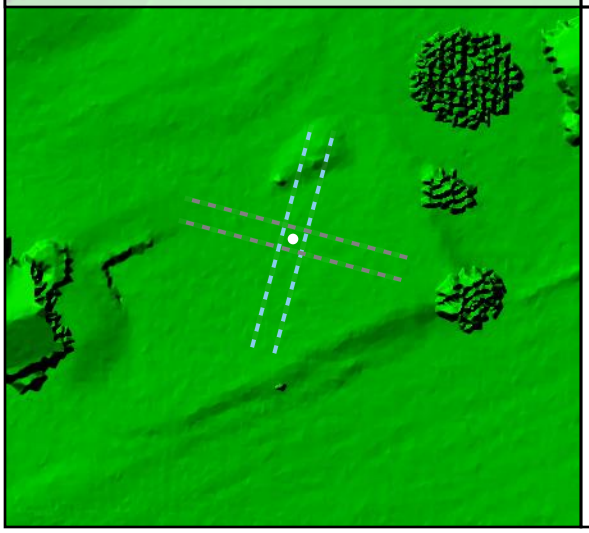
Southwest to Northeast



Intensity Raster



TIN Surface

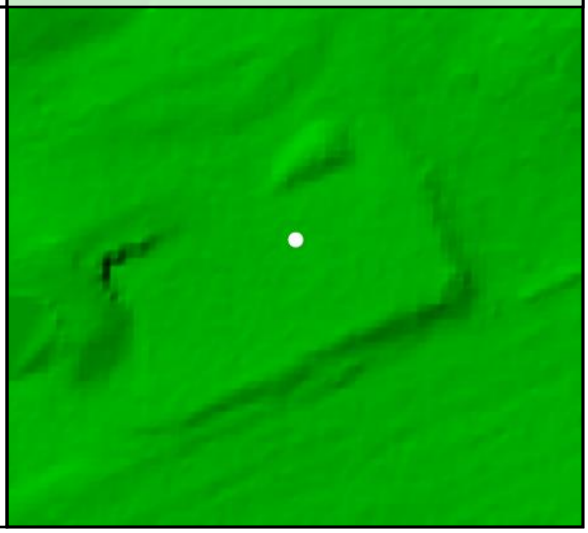


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.09 m

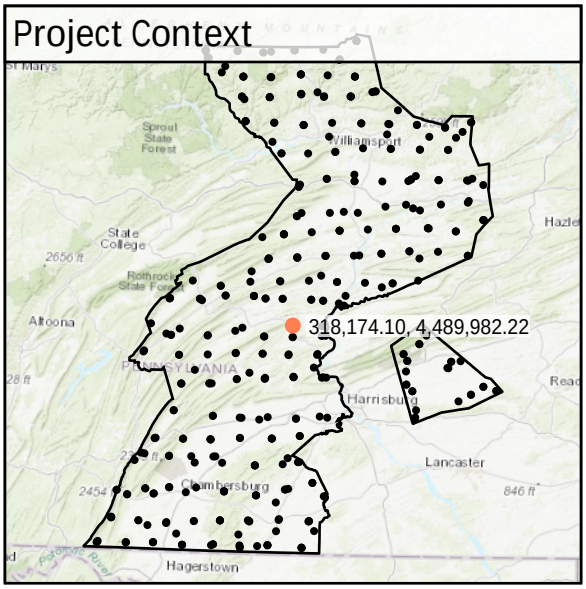
NVA - UA25

All Points TIN Dz +0.11 m

UA26

Known Z	137.35 m	Point Density	2.55 ppsm
DEM Dz	0.05 m	Ground Density	2.55 ppsm
All Points TIN Dz	0.02 m	Slope	3.21 °

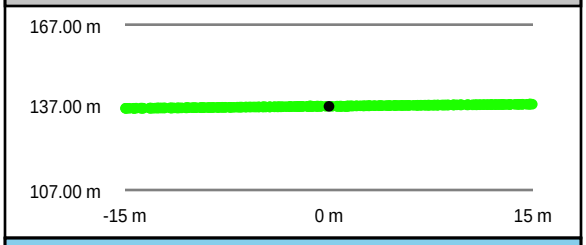
Project Context



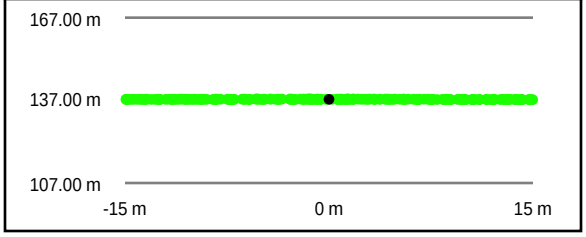
World Imagery



Southeast to Northwest



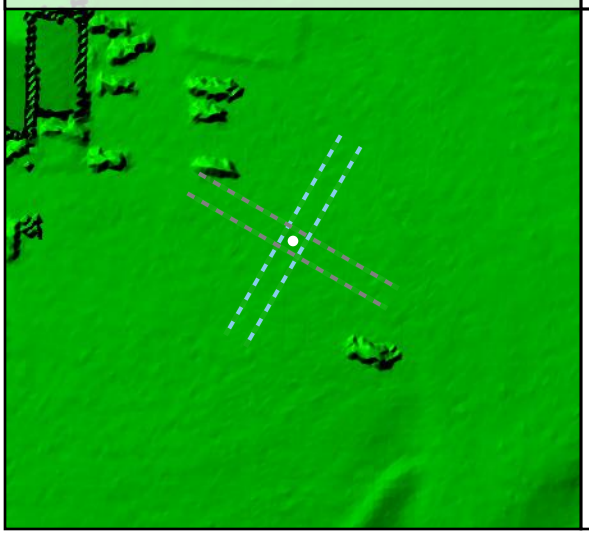
Southwest to Northeast



Intensity Raster



TIN Surface

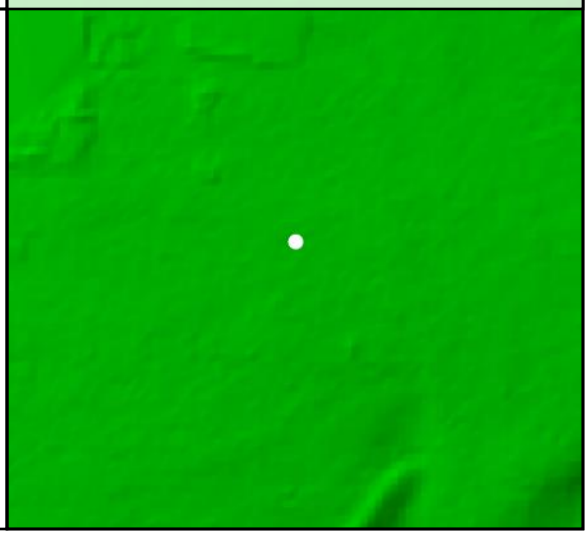


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.05 m

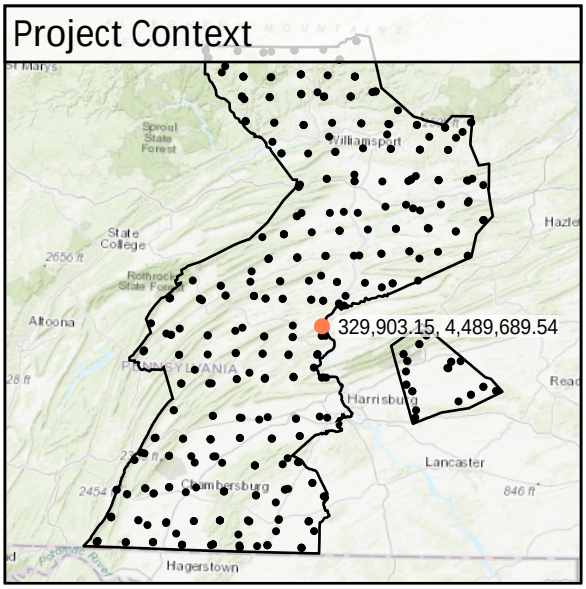
NVA - UA26

All Points TIN Dz +0.02 m

UA27

Known Z	185.33 m	Point Density	4.99 ppsm
DEM Dz	0.11 m	Ground Density	2.33 ppsm
All Points TIN Dz	0.11 m	Slope	2.01 °

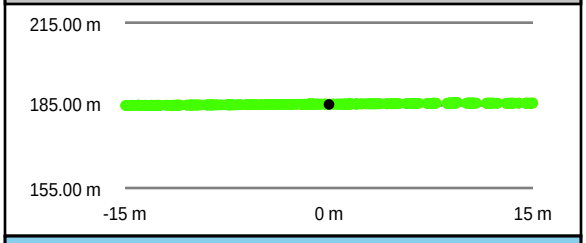
Project Context



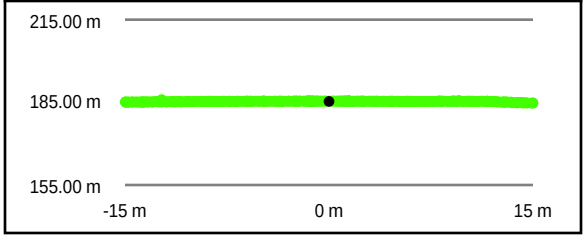
World Imagery



West to East



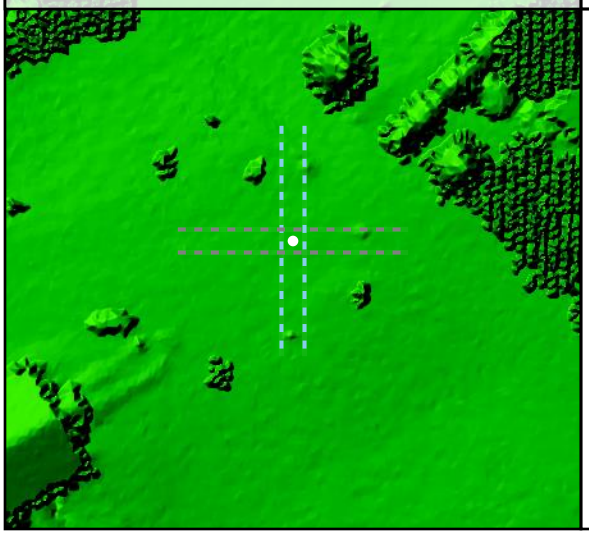
South to North



Intensity Raster



TIN Surface

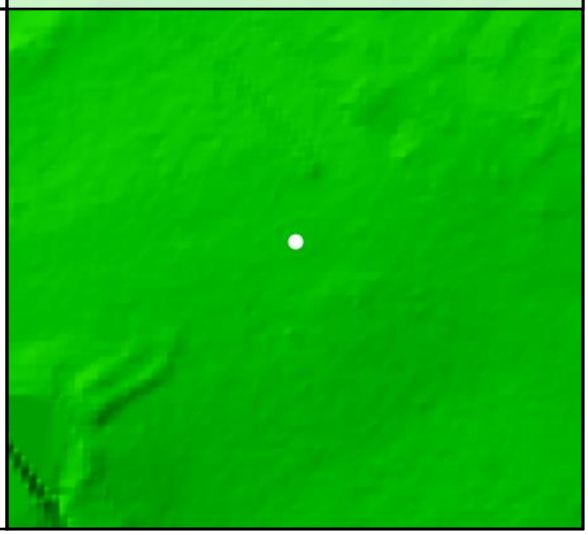


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.11 m

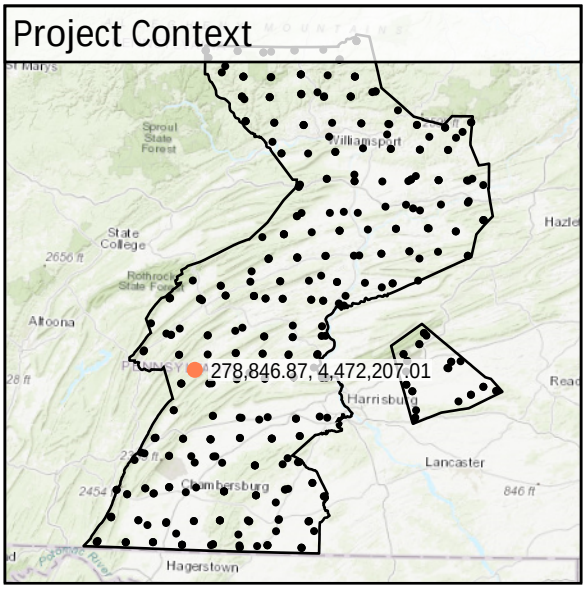
NVA - UA27

All Points TIN Dz +0.11 m

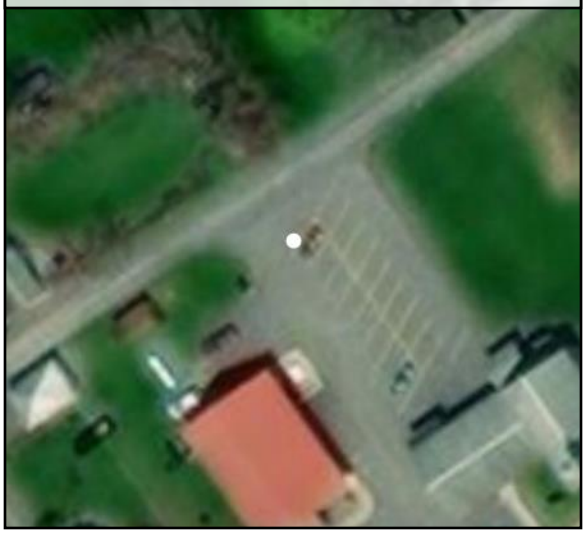
UA28

Known Z	190.95 m	Point Density	5.23 ppsm
DEM Dz	0.09 m	Ground Density	2.44 ppsm
All Points TIN Dz	0.07 m	Slope	0.97 °

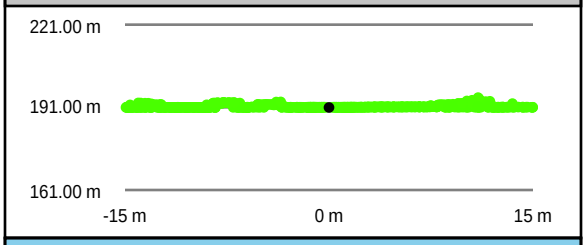
Project Context



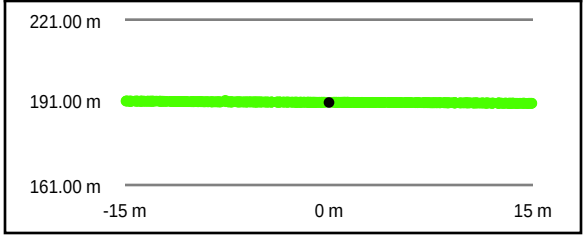
World Imagery



Southeast to Northwest



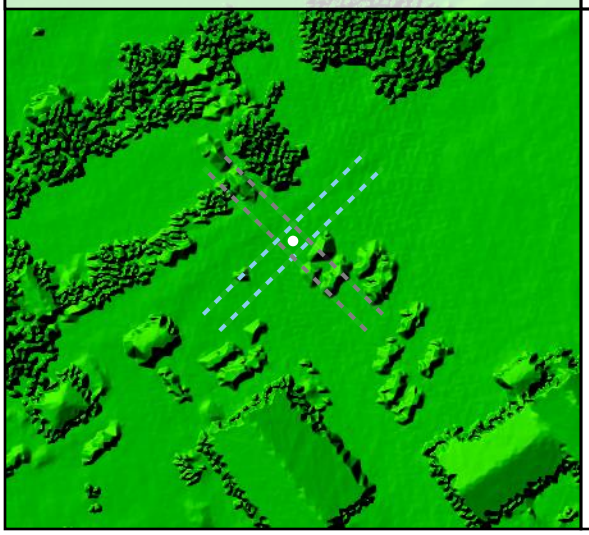
Southwest to Northeast



Intensity Raster



TIN Surface

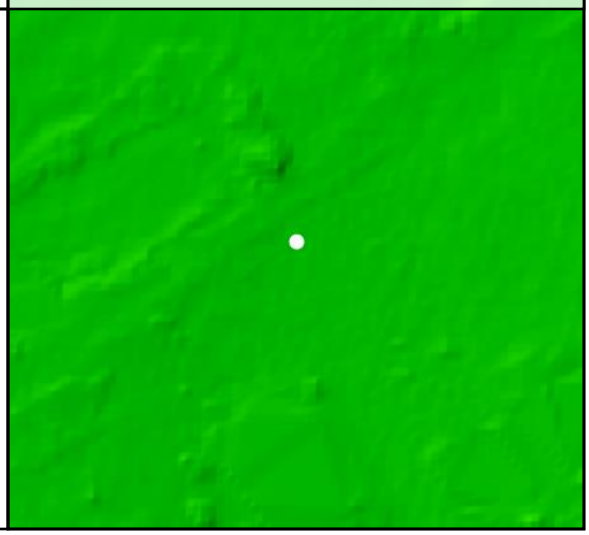


Project Elevation

716.97

103.02

DEM Surface



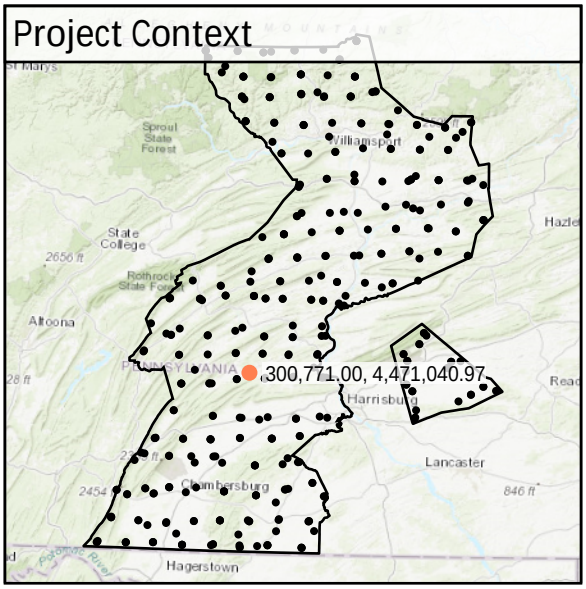
DEM Dz +0.09 m

NVA - UA28

All Points TIN Dz +0.07 m

UA29				
	Known Z	175.87 m	Point Density	5.13 ppsm
	DEM Dz	0.07 m	Ground Density	2.62 ppsm
	All Points TIN Dz	0.04 m	Slope	1.89 °

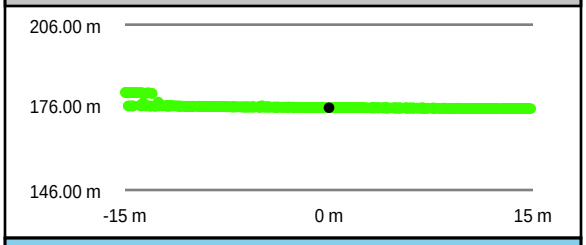
Project Context



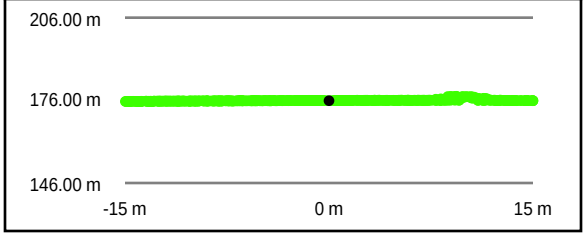
World Imagery



Southeast to Northwest



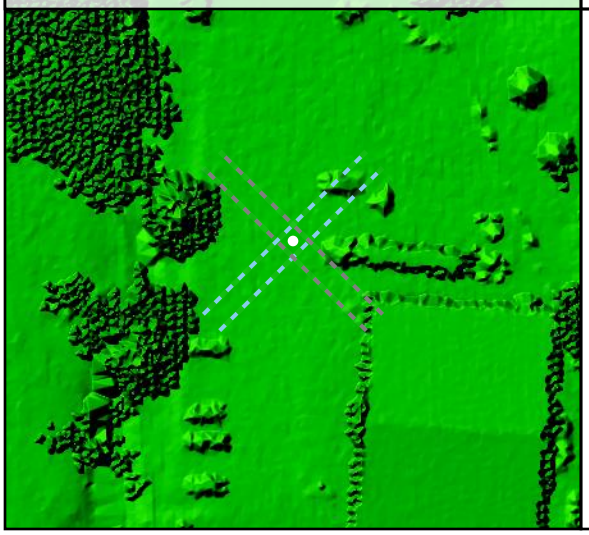
Southwest to Northeast



Intensity Raster



TIN Surface

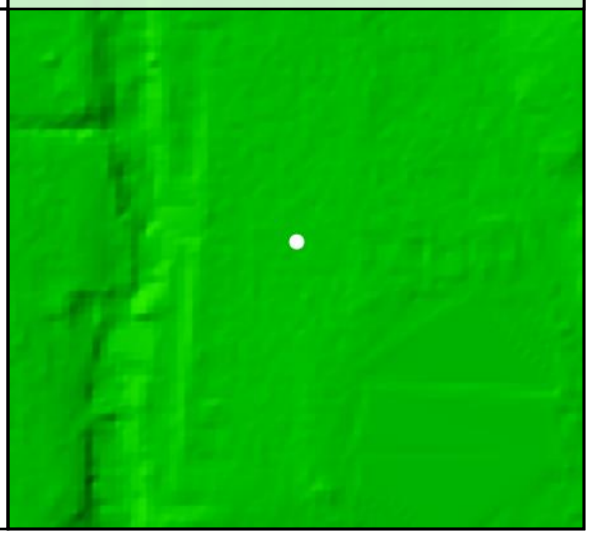


Project Elevation

716.97

103.02

DEM Surface



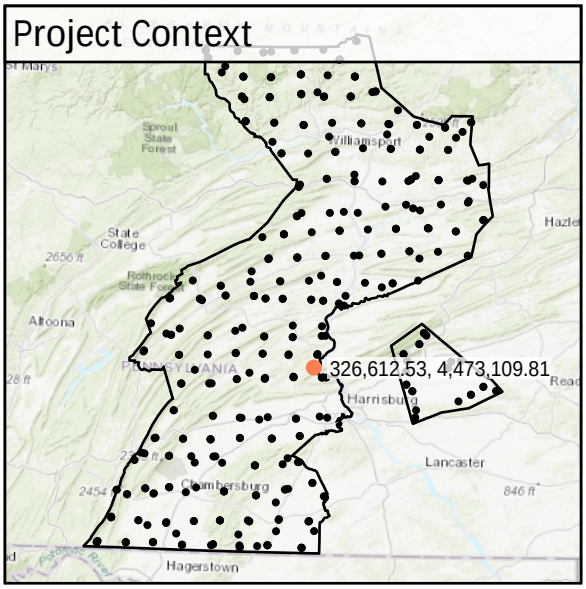
DEM Dz +0.07 m

NVA - UA29

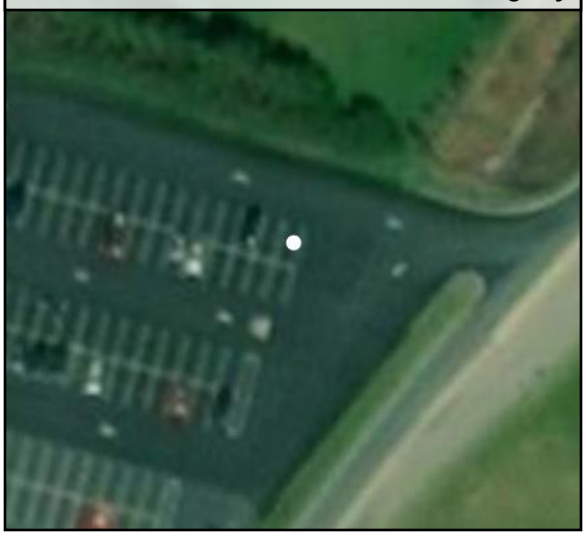
All Points TIN Dz +0.04 m

UA30				
	Known Z	163.61 m	Point Density	7.22 ppsm
	DEM Dz	0.09 m	Ground Density	2.72 ppsm
	All Points TIN Dz	0.11 m	Slope	2.78 °

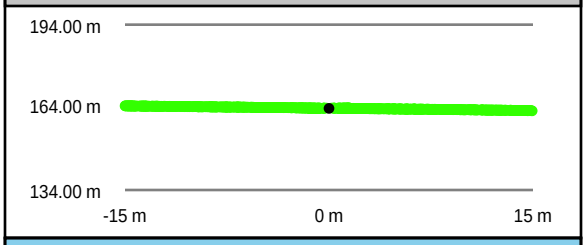
Project Context



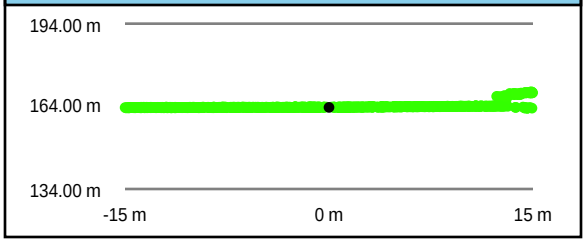
World Imagery



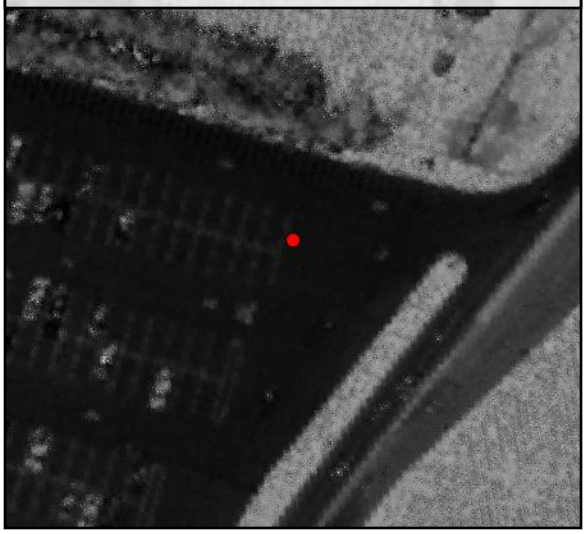
West to East



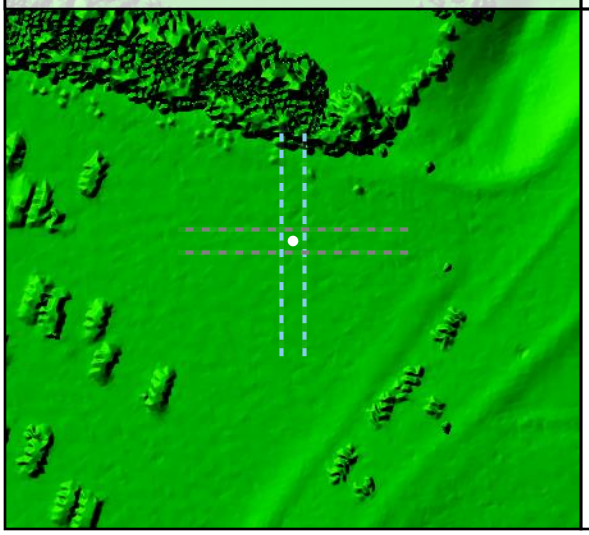
South to North



Intensity Raster



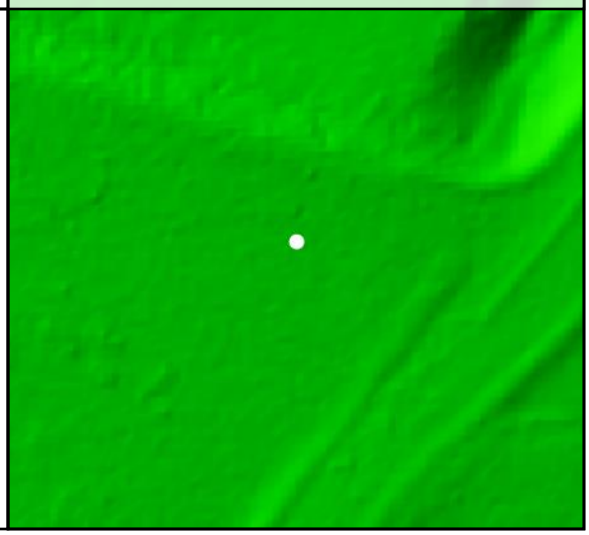
TIN Surface



Project Elevation



DEM Surface



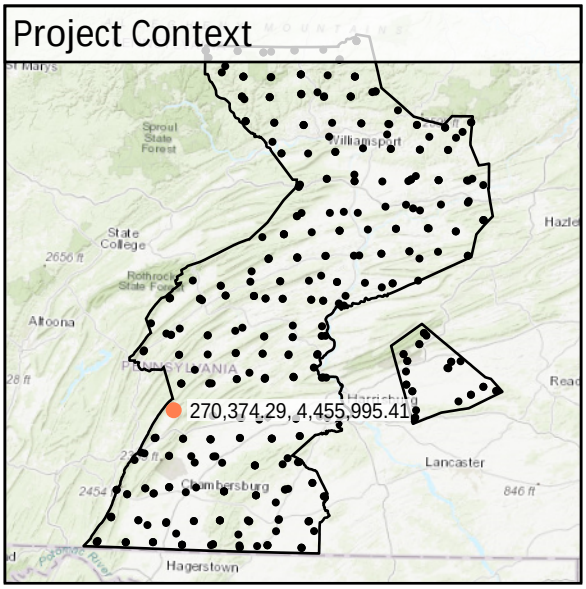
DEM Dz +0.09 m

NVA - UA30

All Points TIN Dz +0.11 m

UA31				
	Known Z	286.30 m	Point Density	5.34 ppsm
	DEM Dz	-0.04 m	Ground Density	2.83 ppsm
	All Points TIN Dz	-0.03 m	Slope	0.42 °

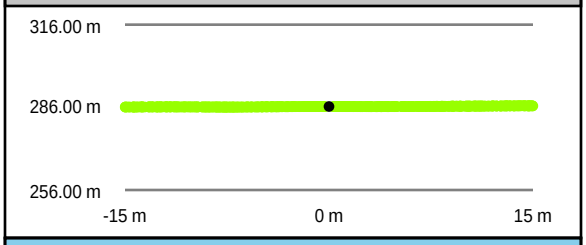
Project Context



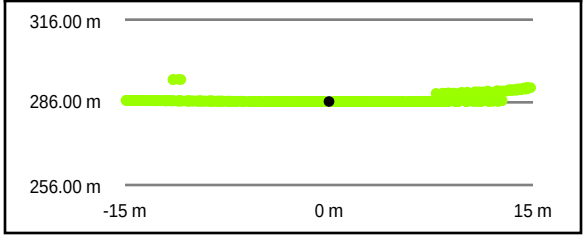
World Imagery



Southwest to Northeast



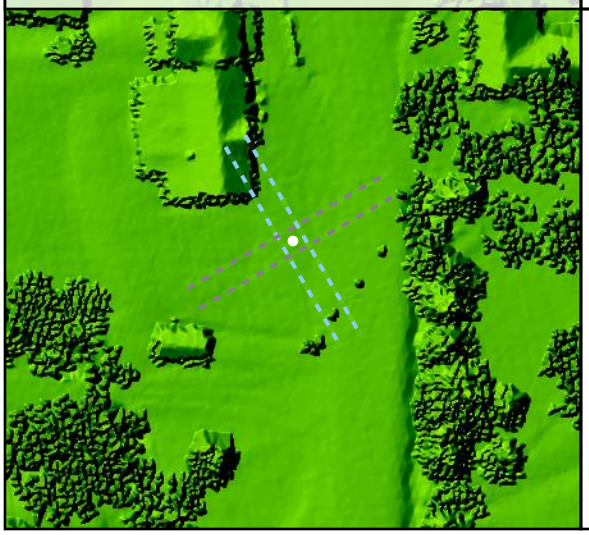
Southeast to Northwest



Intensity Raster



TIN Surface

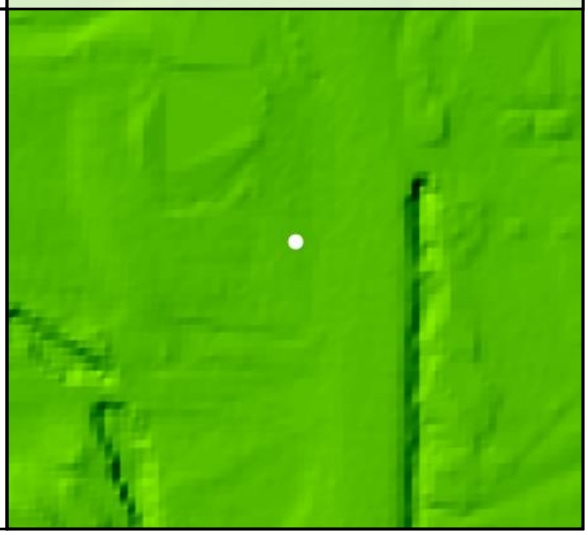


Project Elevation

716.97

103.02

DEM Surface



DEM Dz -0.04 m

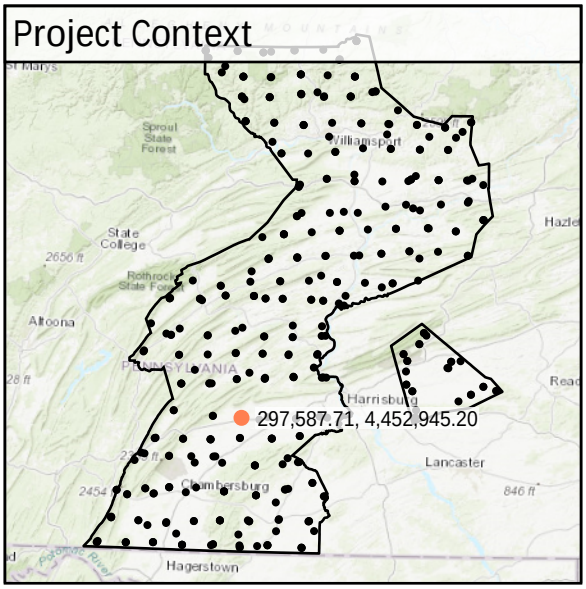
NVA - UA31

All Points TIN Dz -0.03 m

UA32

Known Z	162.17 m	Point Density	4.88 ppsm
DEM Dz	-0.03 m	Ground Density	2.65 ppsm
All Points TIN Dz	-0.02 m	Slope	2.13 °

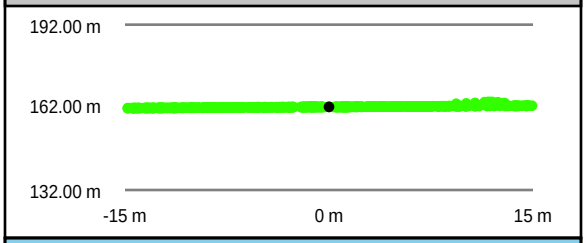
Project Context



World Imagery



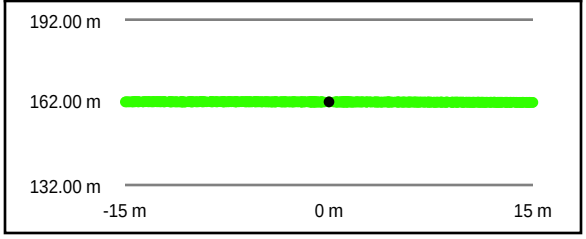
Southeast to Northwest



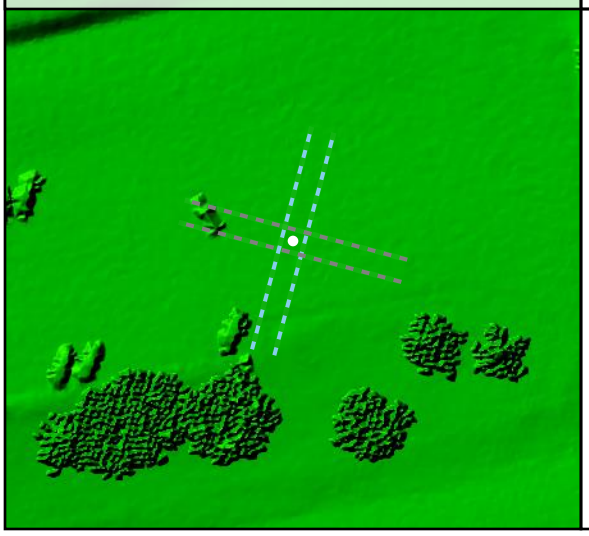
Intensity Raster



Southwest to Northeast



TIN Surface

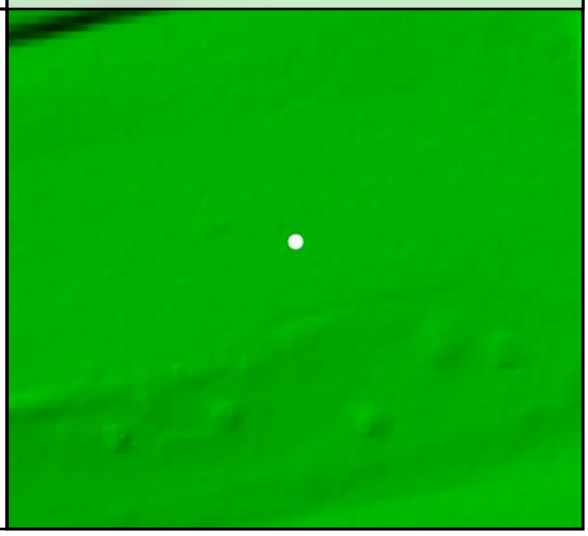


Project Elevation

716.97

103.02

DEM Surface



DEM Dz -0.03 m

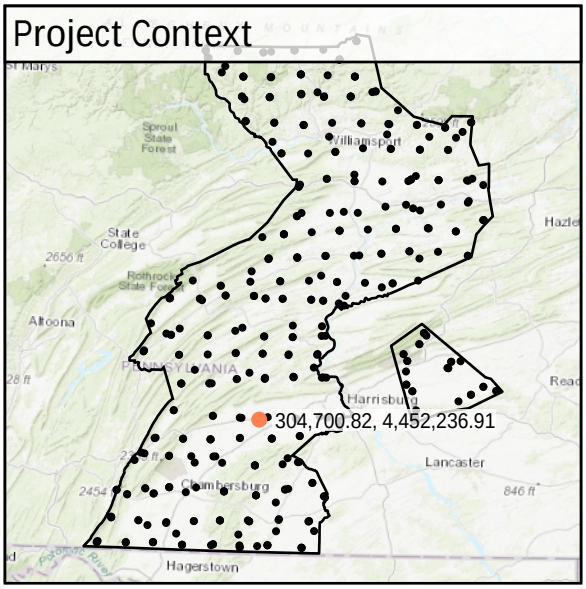
NVA - UA32

All Points TIN Dz -0.02 m

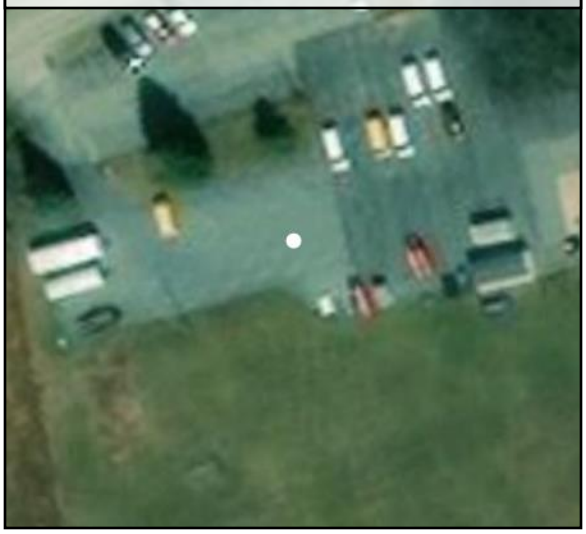
UA33

Known Z	156.38 m	Point Density	5.23 ppsm
DEM Dz	0.00 m	Ground Density	2.90 ppsm
All Points TIN Dz	0.00 m	Slope	1.16 °

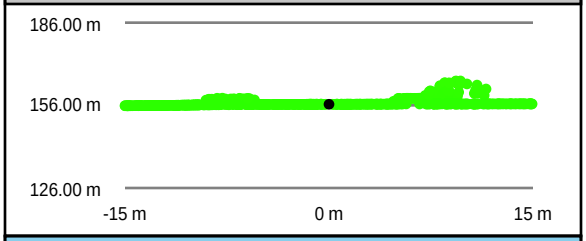
Project Context



World Imagery



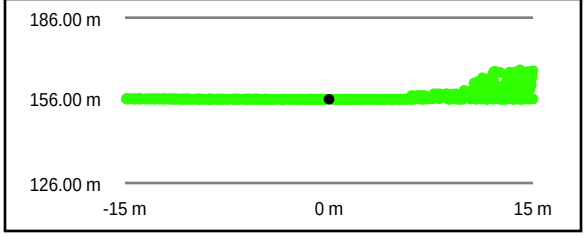
Southwest to Northeast



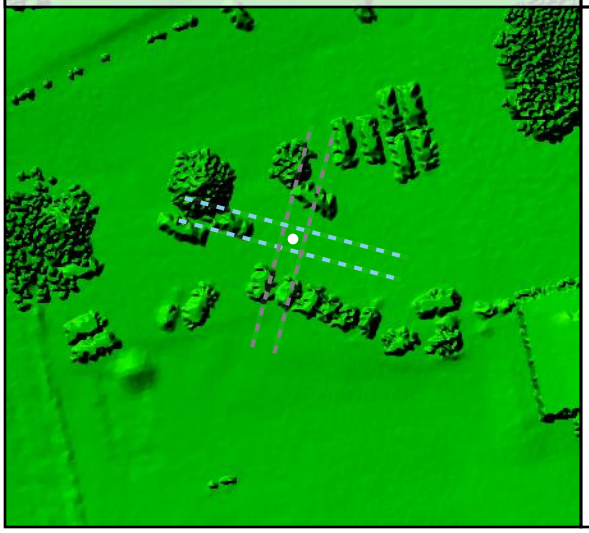
Intensity Raster



Southeast to Northwest



TIN Surface

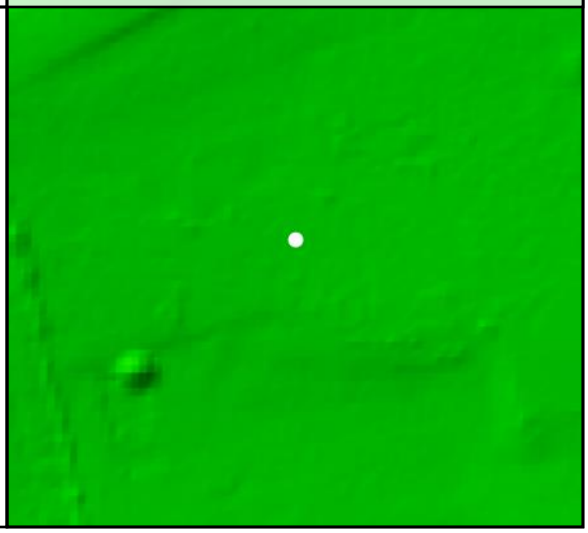


Project Elevation

716.97

103.02

DEM Surface



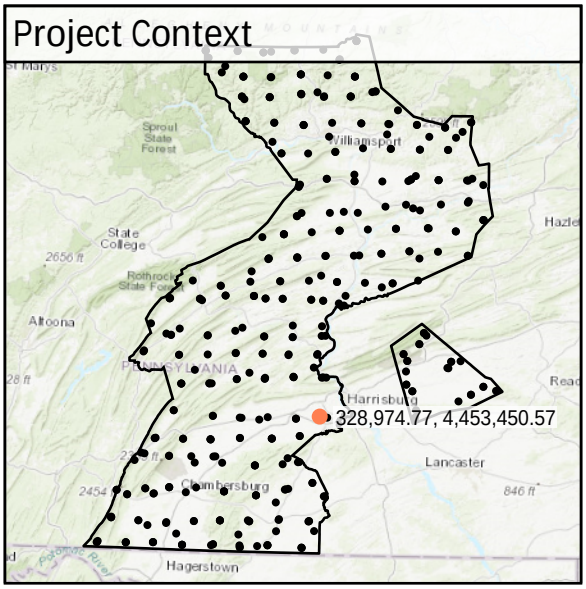
DEM Dz +0.00 m

NVA - UA33

All Points TIN Dz +0.00 m

UA34				
	Known Z	130.98 m	Point Density	5.16 ppsm
	DEM Dz	0.04 m	Ground Density	2.69 ppsm
	All Points TIN Dz	0.02 m	Slope	2.13 °

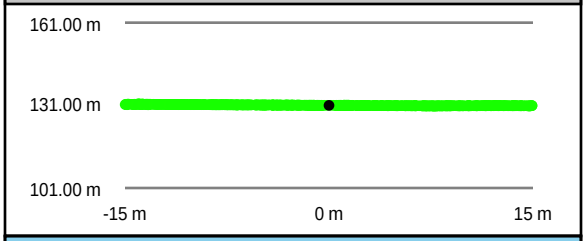
Project Context



World Imagery



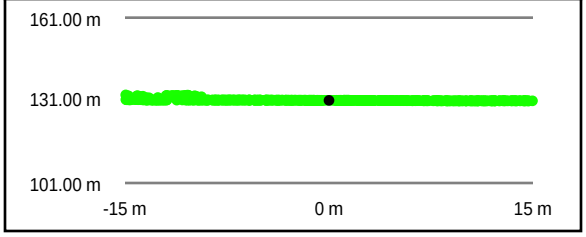
Southeast to Northwest



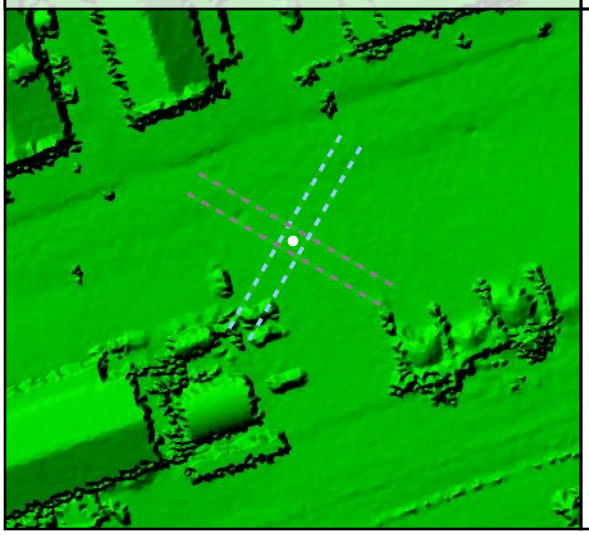
Intensity Raster



Southwest to Northeast



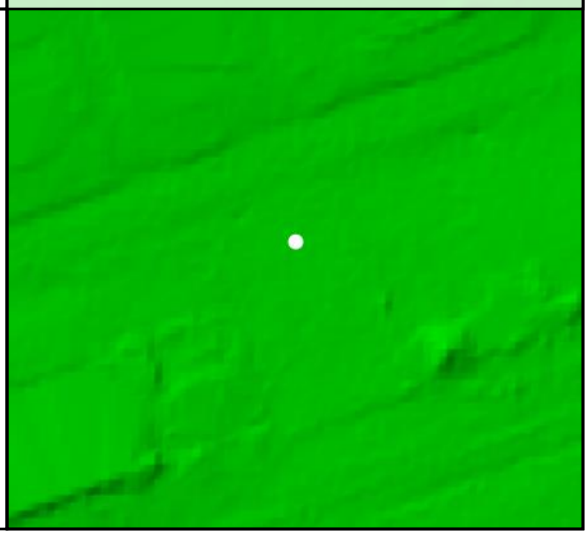
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.04 m

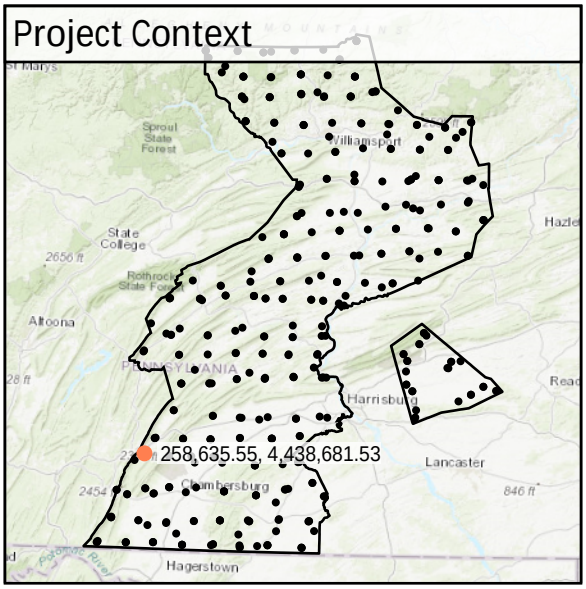
NVA - UA34

All Points TIN Dz +0.02 m

UA35

Known Z	268.81 m	Point Density	2.97 ppsm
DEM Dz	-0.03 m	Ground Density	2.97 ppsm
All Points TIN Dz	-0.03 m	Slope	3.72 °

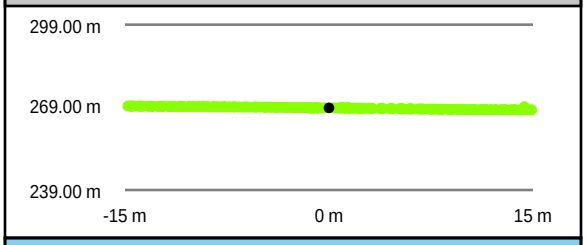
Project Context



World Imagery



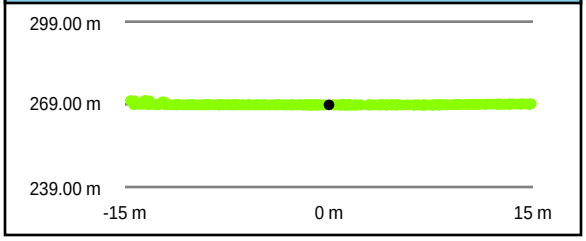
Southwest to Northeast



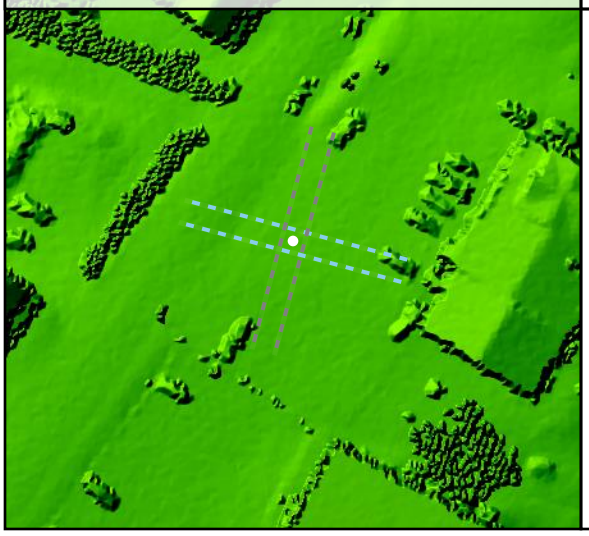
Intensity Raster



Southeast to Northwest



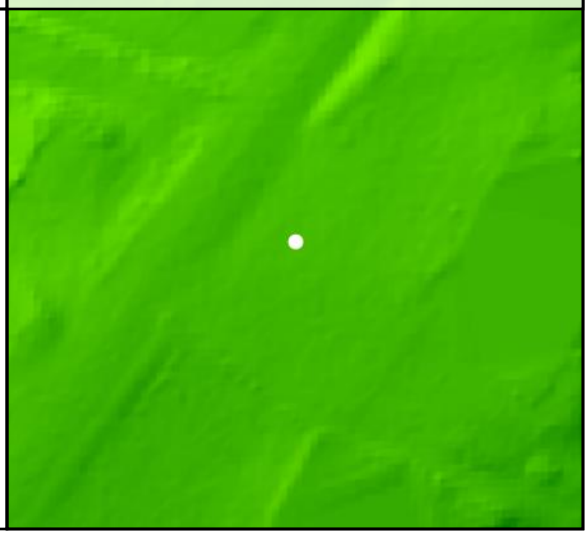
TIN Surface



Project Elevation



DEM Surface



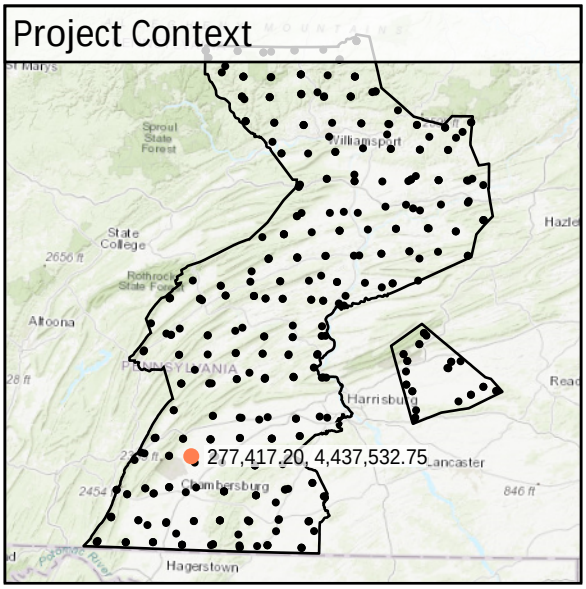
DEM Dz -0.03 m

NVA - UA35

All Points TIN Dz -0.03 m

UA36				
	Known Z	207.81 m	Point Density	2.86 ppsm
	DEM Dz	-0.02 m	Ground Density	2.86 ppsm
	All Points TIN Dz	-0.02 m	Slope	6.29 °

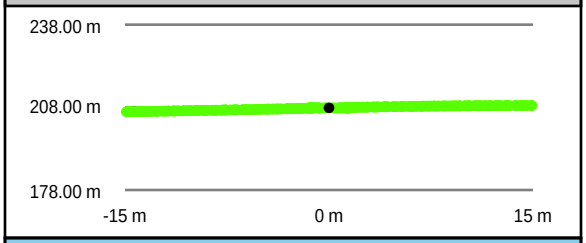
Project Context



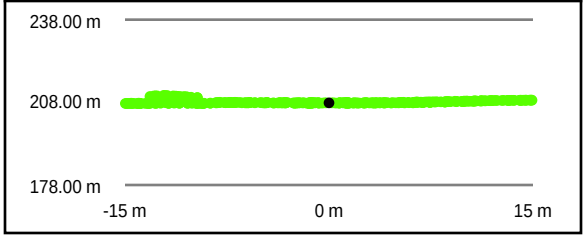
World Imagery



Southeast to Northwest



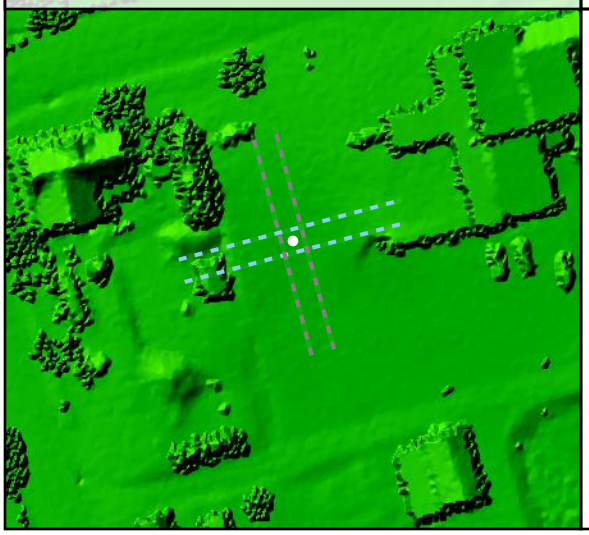
Southwest to Northeast



Intensity Raster



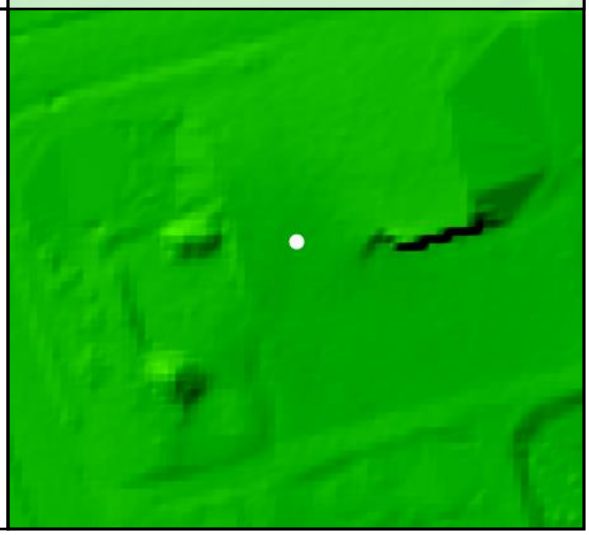
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.02 m

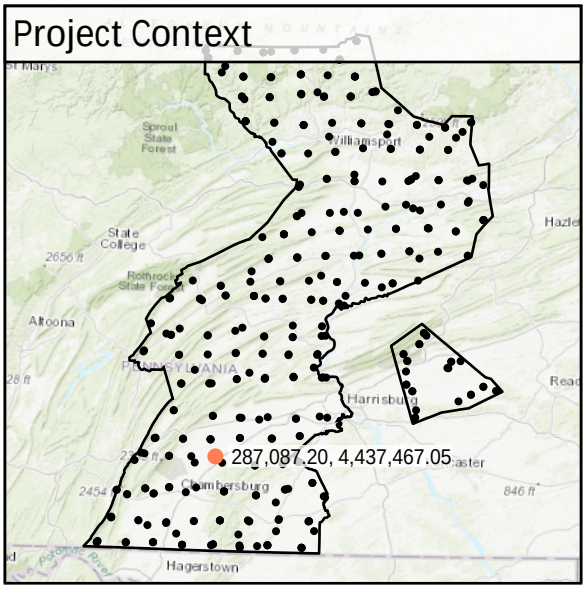
NVA - UA36

All Points TIN Dz -0.02 m

UA37

Known Z	206.95 m	Point Density	4.99 ppsm
DEM Dz	0.01 m	Ground Density	2.44 ppsm
All Points TIN Dz	0.02 m	Slope	1.89 °

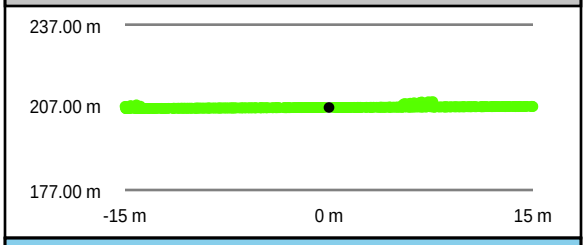
Project Context



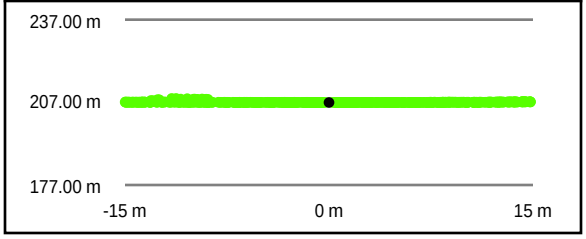
World Imagery



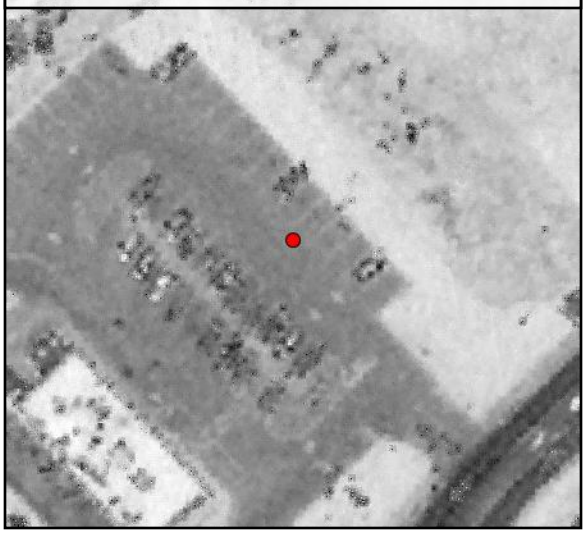
Southeast to Northwest



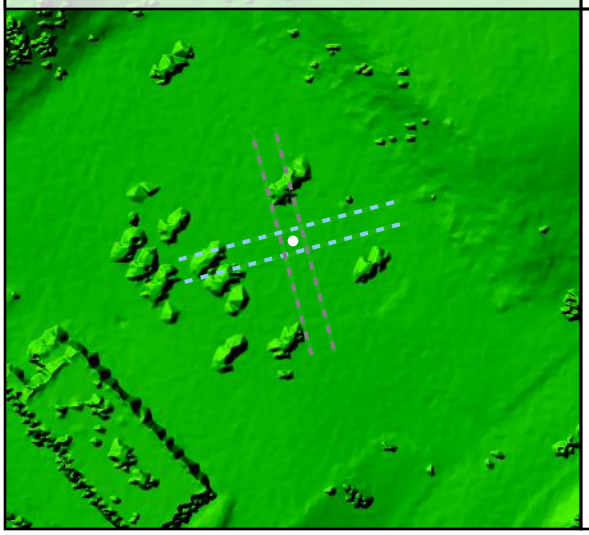
Southwest to Northeast



Intensity Raster



TIN Surface

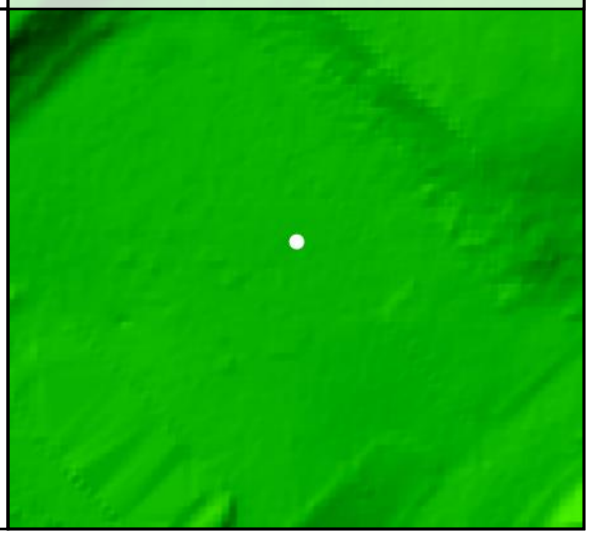


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.01 m

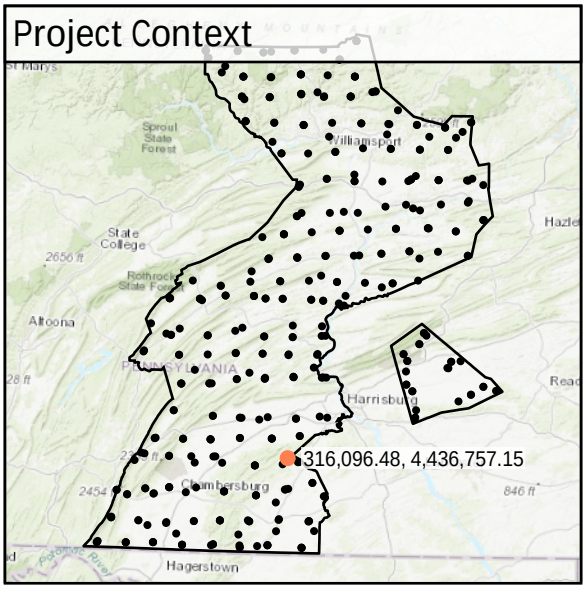
NVA - UA37

All Points TIN Dz +0.02 m

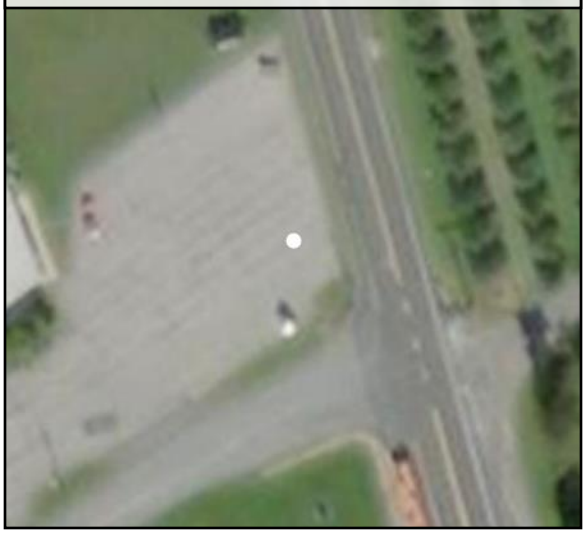
UA38

Known Z	290.79 m	Point Density	5.23 ppsm
DEM Dz	-0.03 m	Ground Density	2.90 ppsm
All Points TIN Dz	-0.02 m	Slope	3.49 °

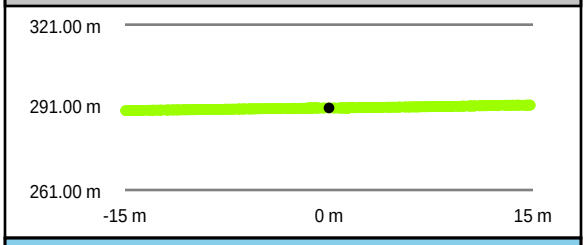
Project Context



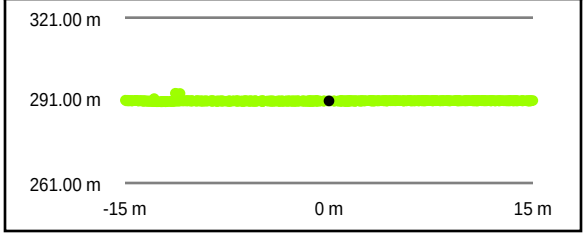
World Imagery



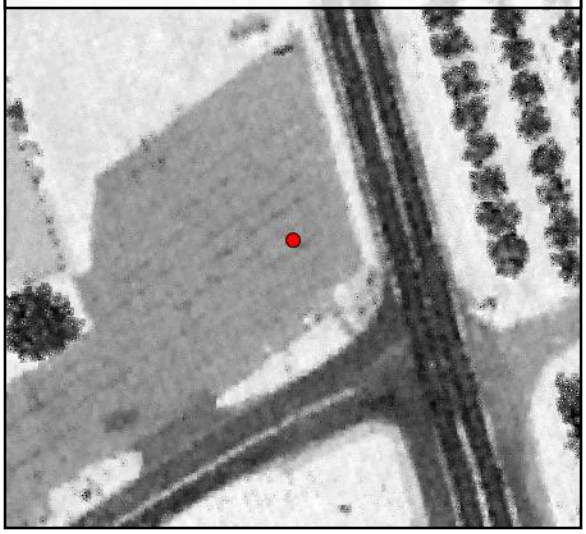
Southwest to Northeast



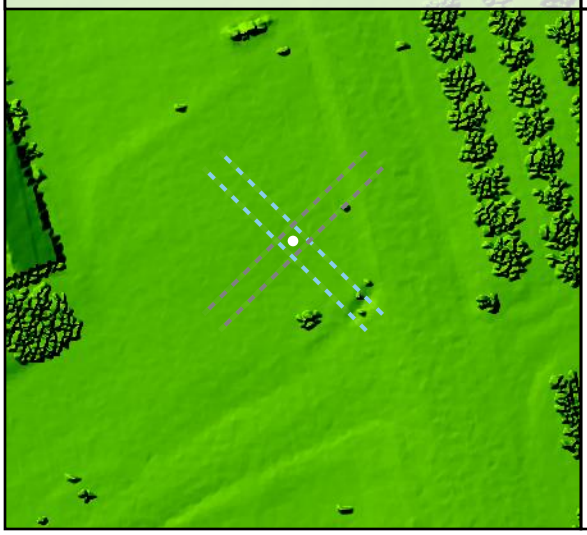
Southeast to Northwest



Intensity Raster



TIN Surface

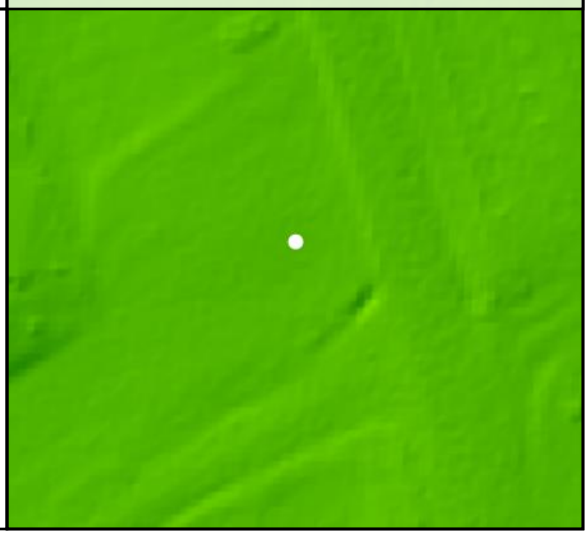


Project Elevation

716.97

103.02

DEM Surface



DEM Dz -0.03 m

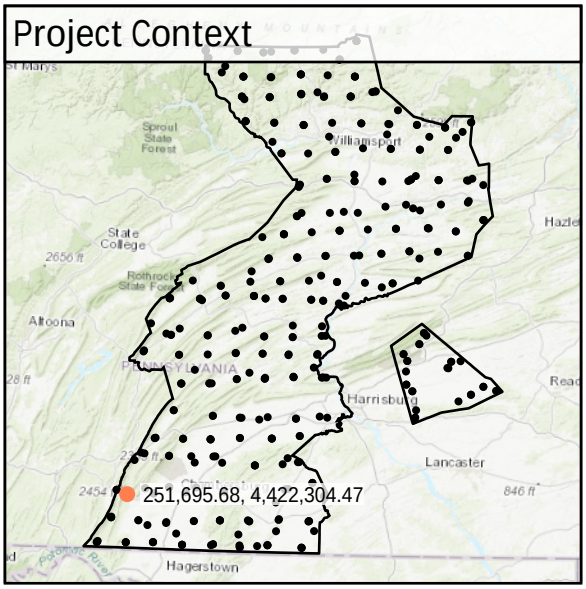
NVA - UA38

All Points TIN Dz -0.02 m

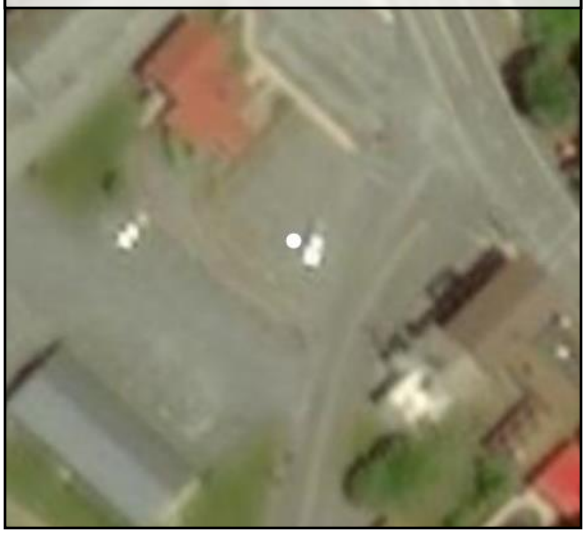
UA39

Known Z	193.02 m	Point Density	5.20 ppsm
DEM Dz	0.03 m	Ground Density	2.79 ppsm
All Points TIN Dz	0.01 m	Slope	1.80 °

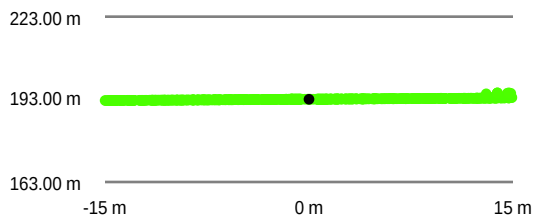
Project Context



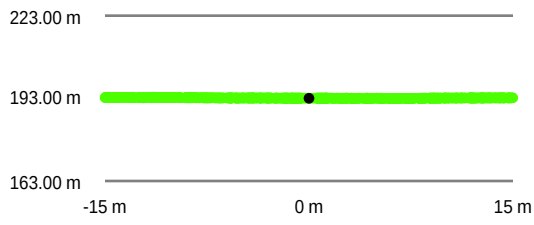
World Imagery



South to North



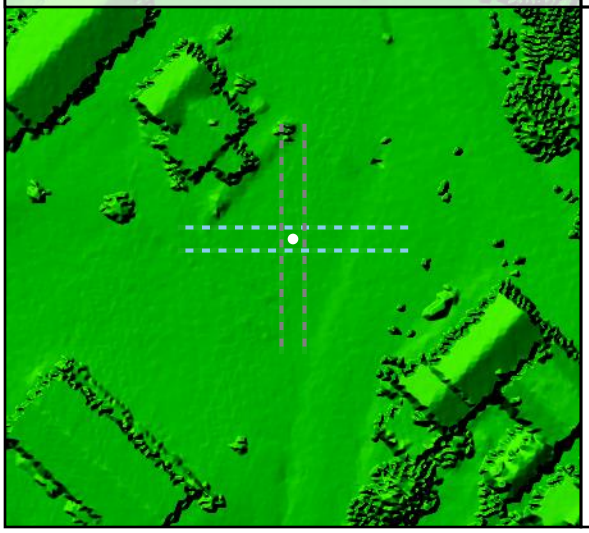
West to East



Intensity Raster



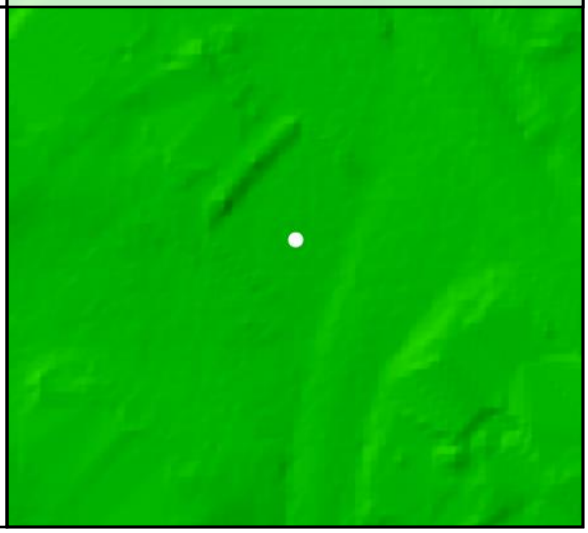
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.03 m

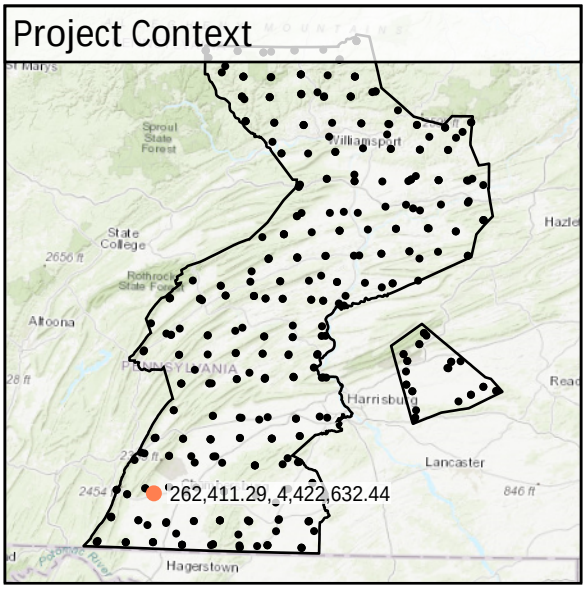
NVA - UA39

All Points TIN Dz +0.01 m

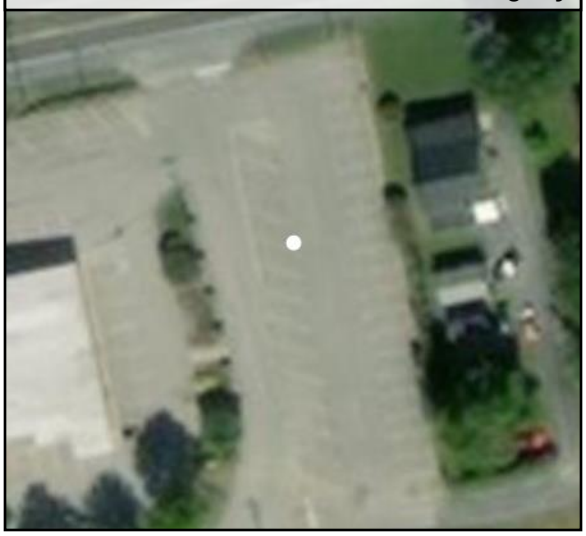
UA40

Known Z	198.84 m	Point Density	5.48 ppsm
DEM Dz	0.06 m	Ground Density	2.79 ppsm
All Points TIN Dz	0.06 m	Slope	1.37 °

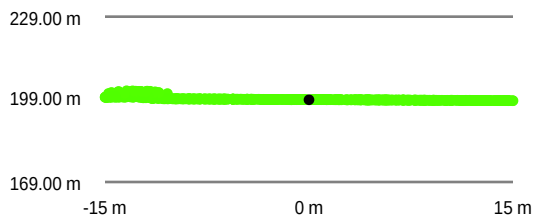
Project Context



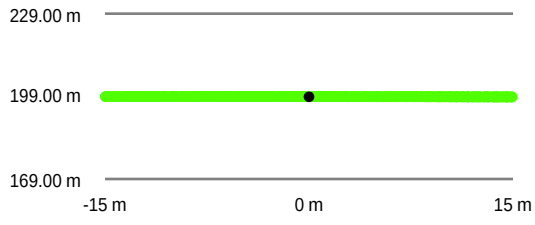
World Imagery



Southeast to Northwest



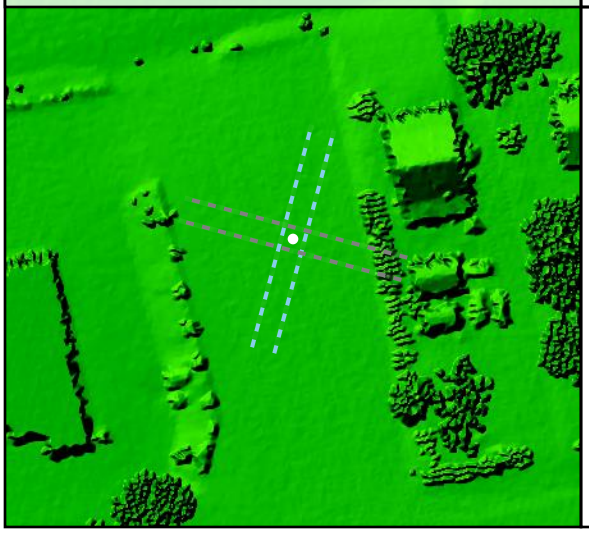
Southwest to Northeast



Intensity Raster



TIN Surface

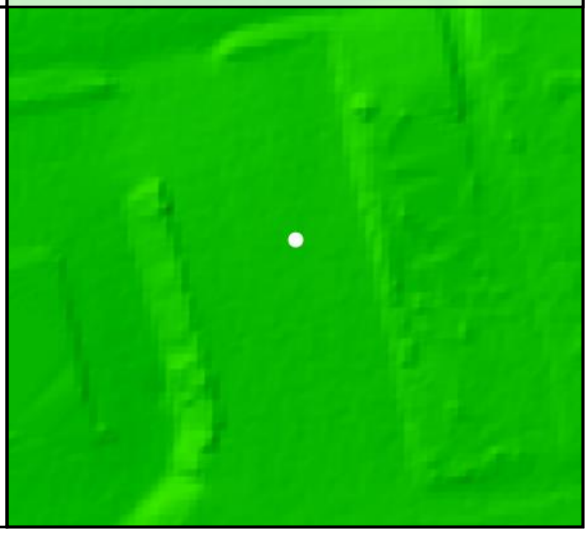


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.06 m

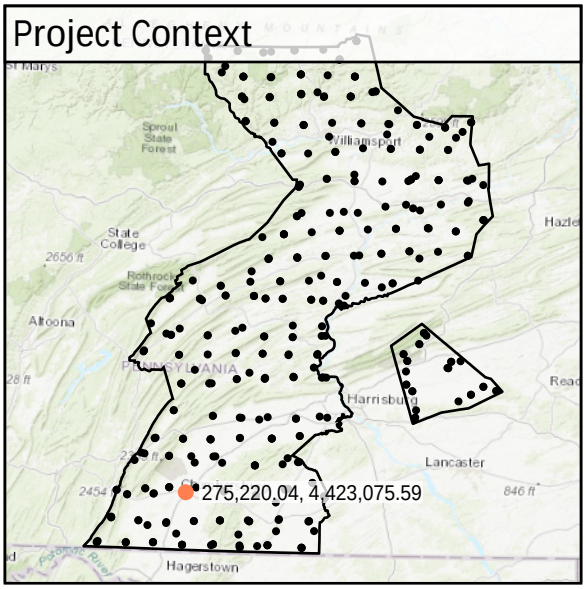
NVA - UA40

All Points TIN Dz +0.06 m

UA41

Known Z	201.12 m	Point Density	5.27 ppsm
DEM Dz	0.09 m	Ground Density	2.83 ppsm
All Points TIN Dz	0.06 m	Slope	8.47 °

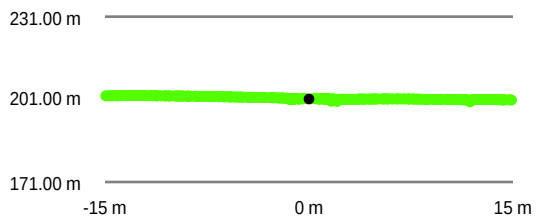
Project Context



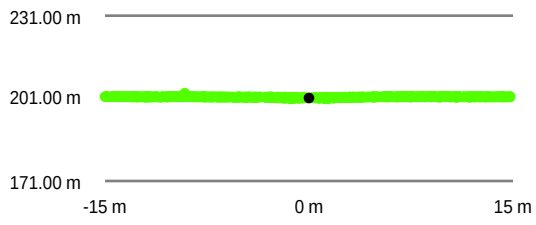
World Imagery



South to North



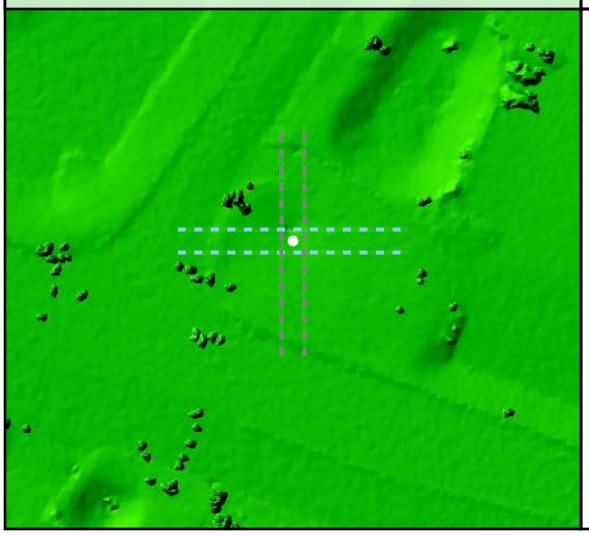
West to East



Intensity Raster



TIN Surface

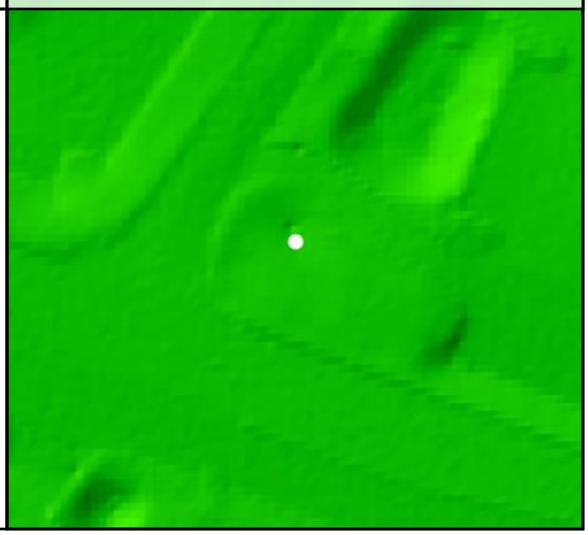


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.09 m

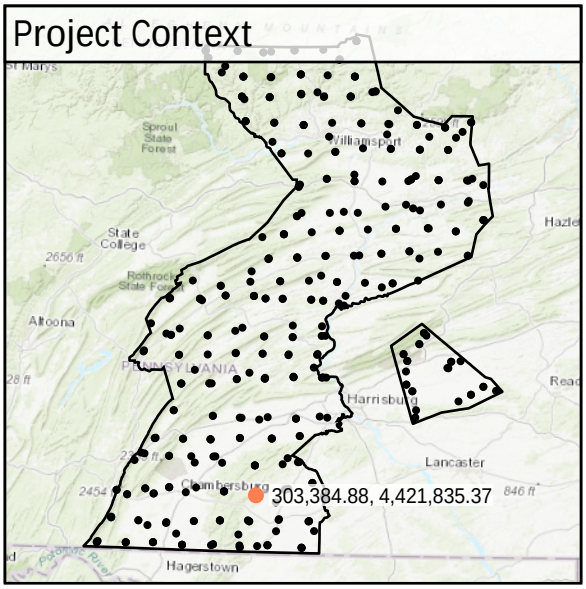
NVA - UA41

All Points TIN Dz +0.06 m

UA42

Known Z	217.90 m	Point Density	4.74 ppsm
DEM Dz	0.04 m	Ground Density	2.44 ppsm
All Points TIN Dz	0.04 m	Slope	4.40 °

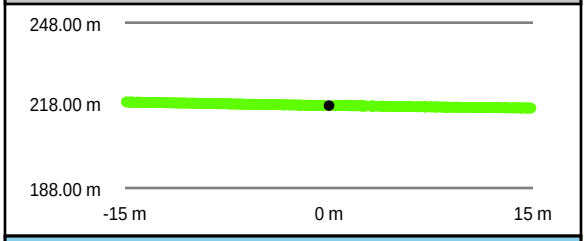
Project Context



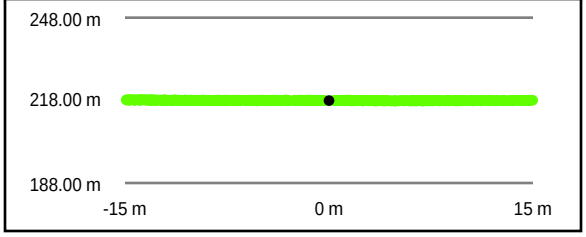
World Imagery



Southwest to Northeast



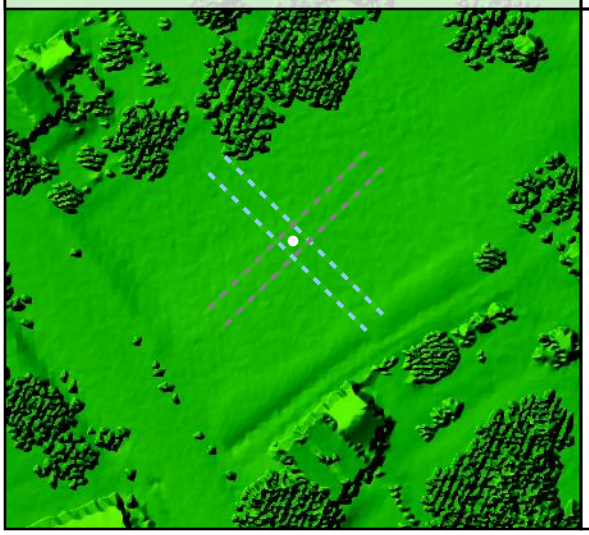
Southeast to Northwest



Intensity Raster



TIN Surface

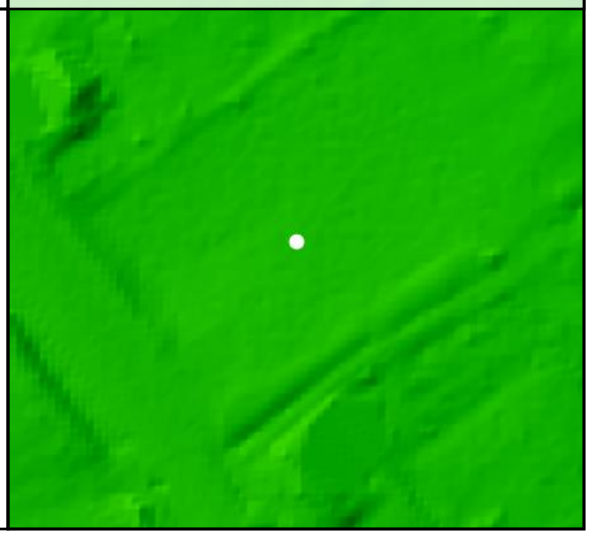


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.04 m

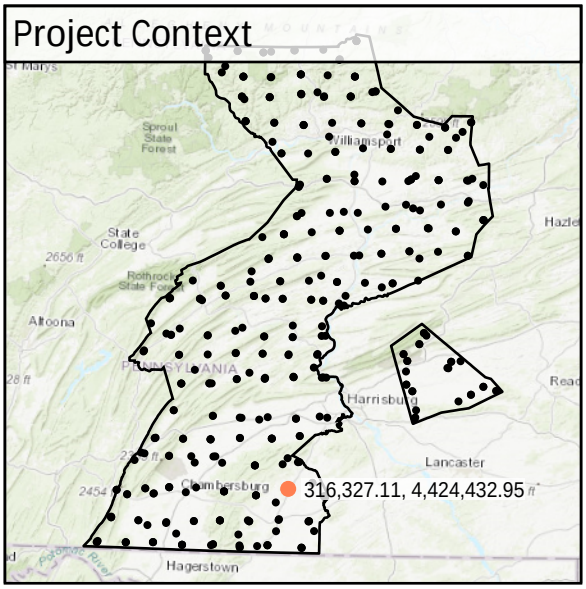
NVA - UA42

All Points TIN Dz +0.04 m

UA43

Known Z	179.80 m	Point Density	4.81 ppsm
DEM Dz	0.09 m	Ground Density	2.76 ppsm
All Points TIN Dz	0.07 m	Slope	2.57 °

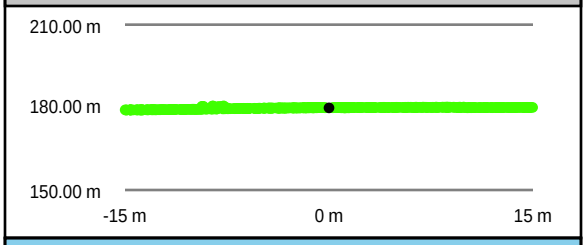
Project Context



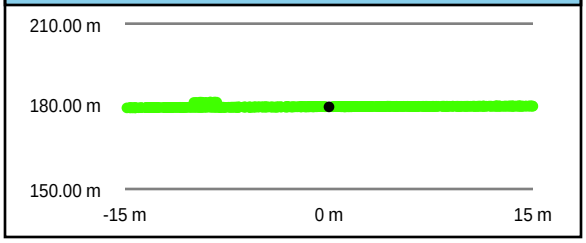
World Imagery



South to North



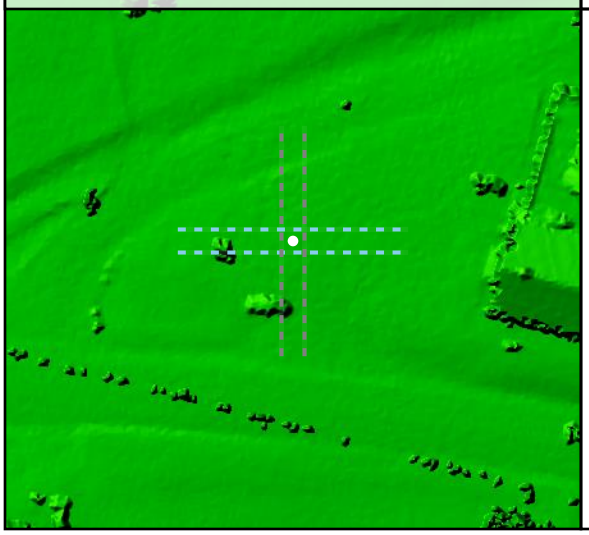
West to East



Intensity Raster



TIN Surface

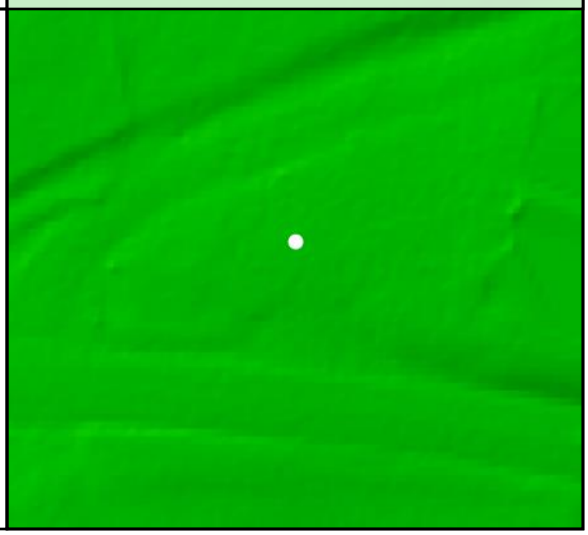


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.09 m

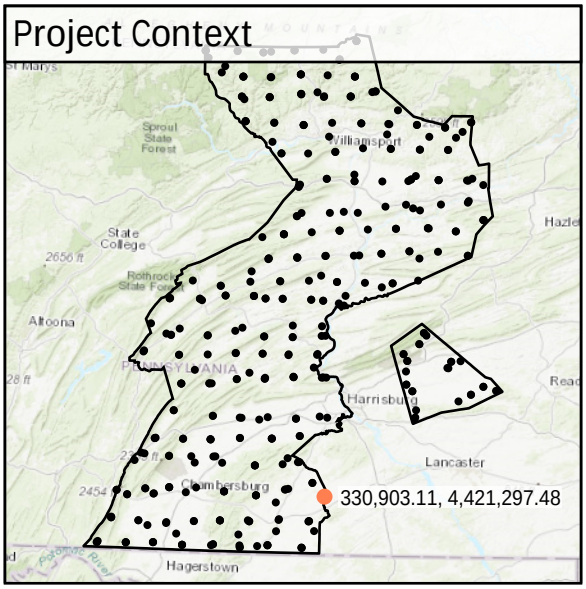
NVA - UA43

All Points TIN Dz +0.07 m

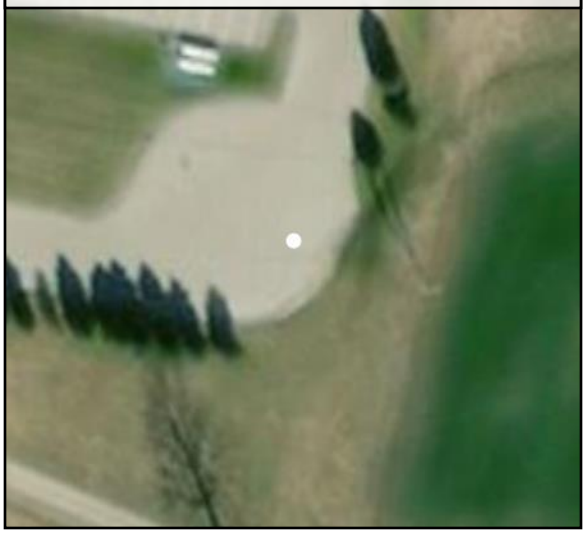
UA44

Known Z	143.37 m	Point Density	5.06 ppsm
DEM Dz	0.03 m	Ground Density	2.90 ppsm
All Points TIN Dz	0.03 m	Slope	1.01 °

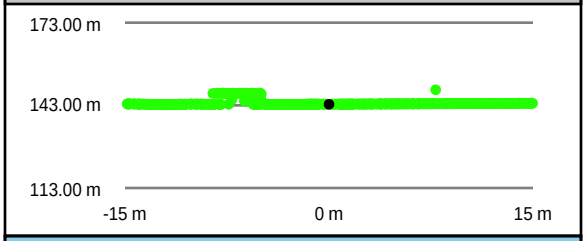
Project Context



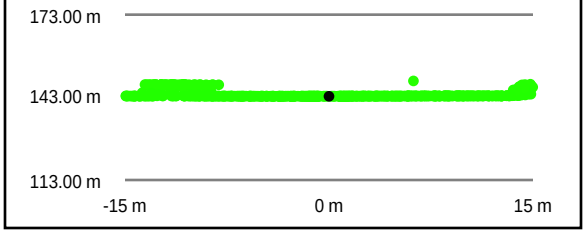
World Imagery



Southeast to Northwest



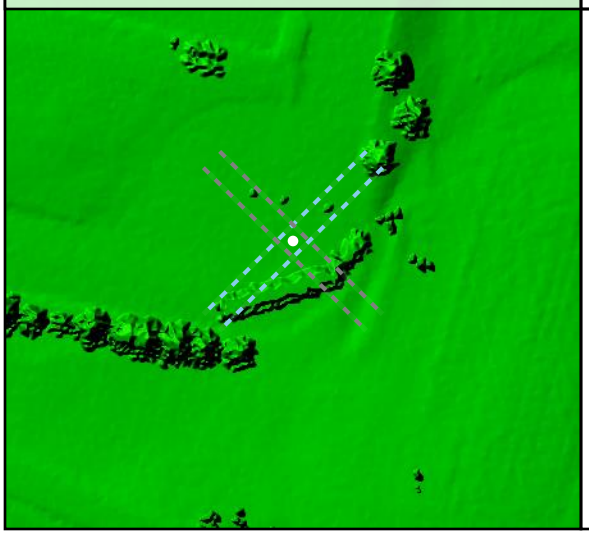
Southwest to Northeast



Intensity Raster



TIN Surface

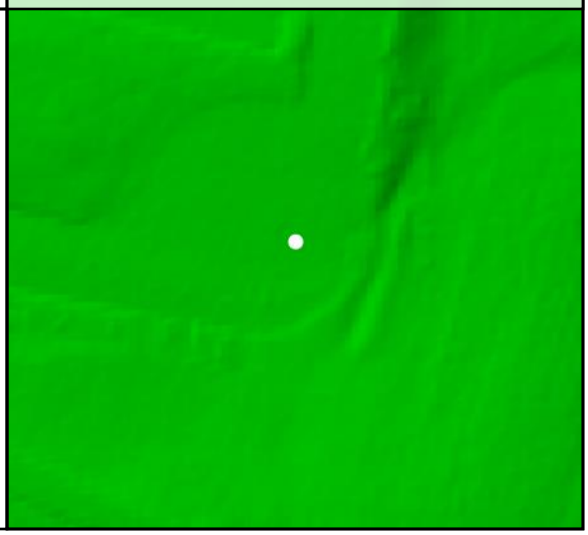


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.03 m

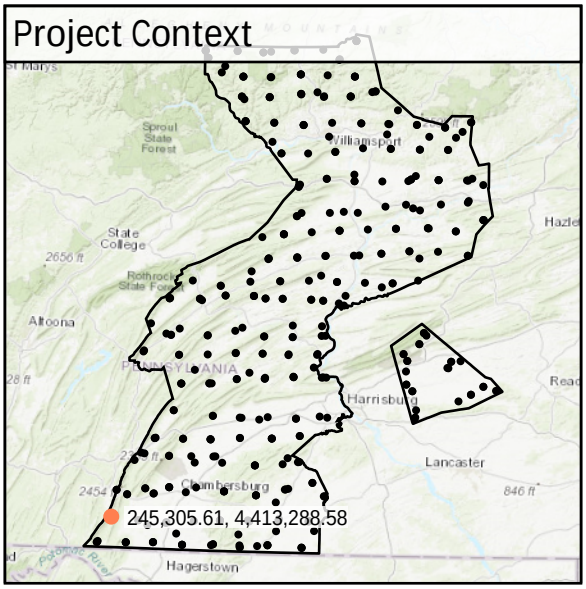
NVA - UA44

All Points TIN Dz +0.03 m

UA45

Known Z	227.14 m	Point Density	4.03 ppsm
DEM Dz	0.04 m	Ground Density	2.83 ppsm
All Points TIN Dz	0.03 m	Slope	1.59 °

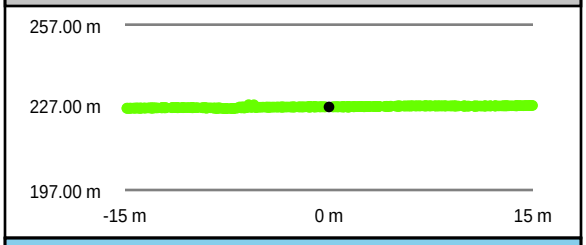
Project Context



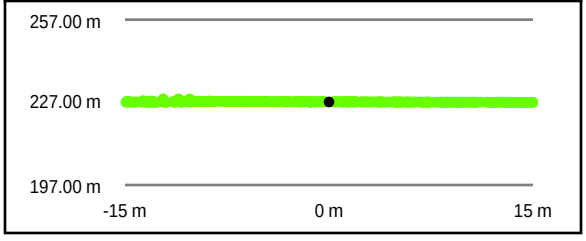
World Imagery



South to North



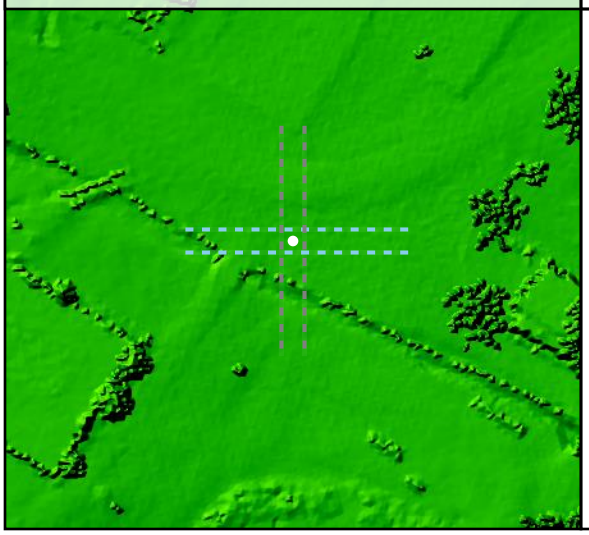
West to East



Intensity Raster



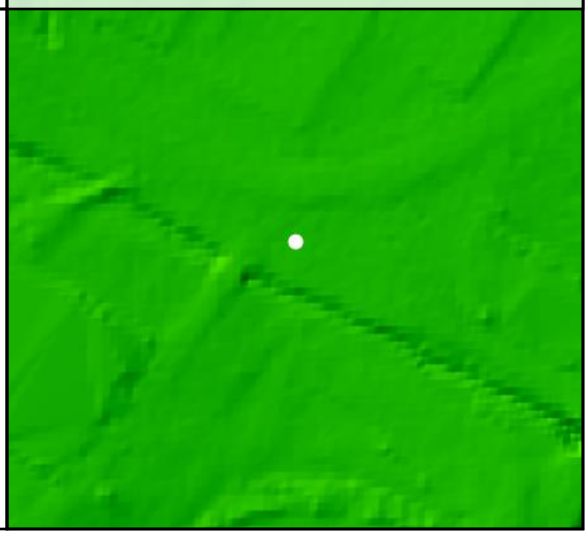
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.04 m

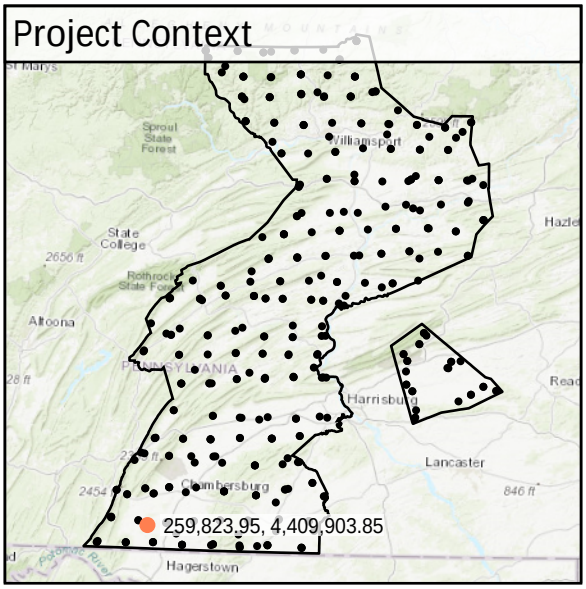
NVA - UA45

All Points TIN Dz +0.03 m

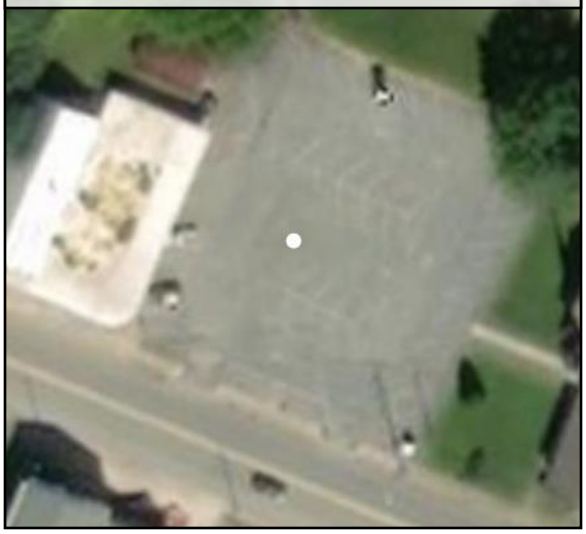
UA46

Known Z	187.21 m	Point Density	5.41 ppsm
DEM Dz	0.02 m	Ground Density	2.76 ppsm
All Points TIN Dz	0.02 m	Slope	0.82 °

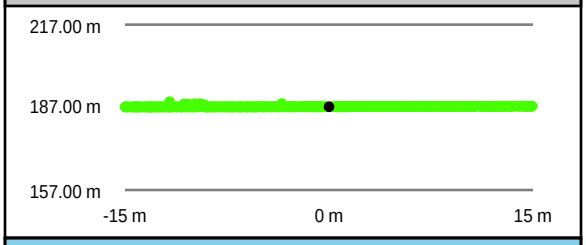
Project Context



World Imagery



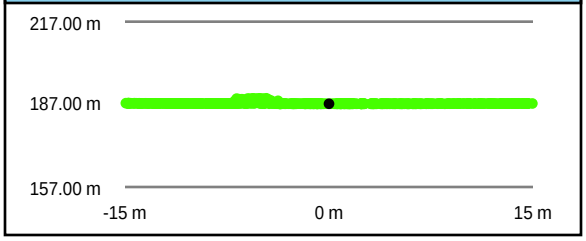
Southwest to Northeast



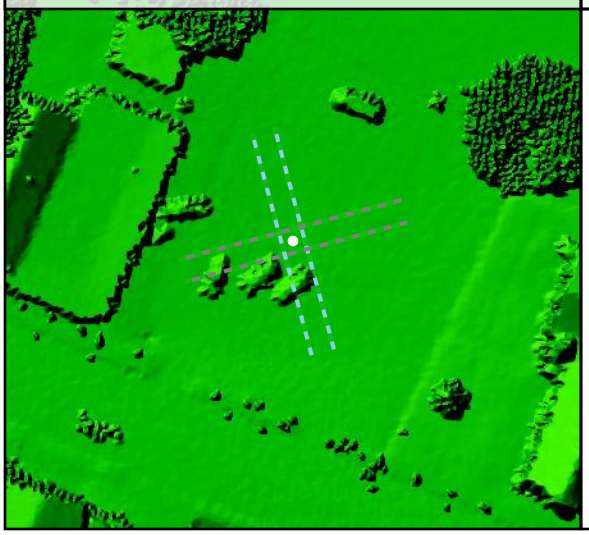
Intensity Raster



Southeast to Northwest



TIN Surface

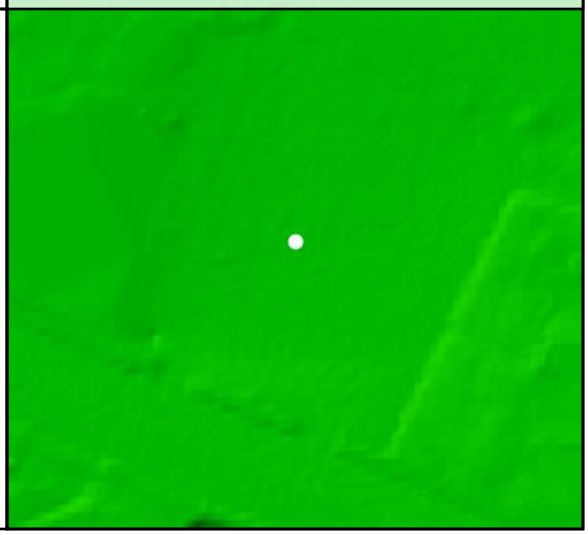


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.02 m

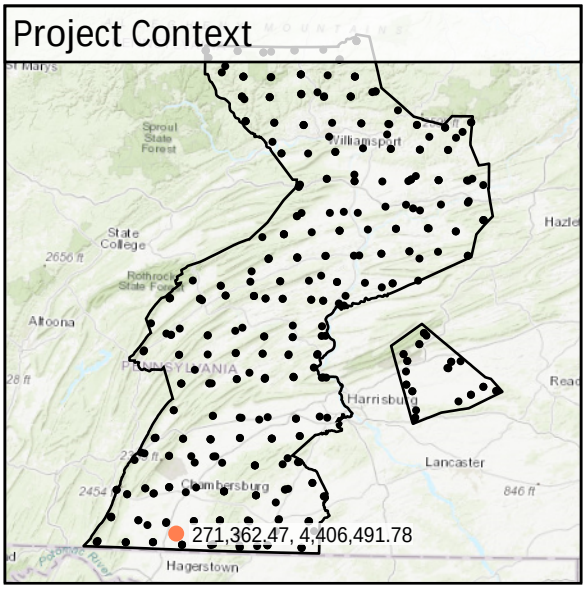
NVA - UA46

All Points TIN Dz +0.02 m

UA47

Known Z	239.65 m	Point Density	6.19 ppsm
DEM Dz	0.03 m	Ground Density	3.75 ppsm
All Points TIN Dz	0.03 m	Slope	1.79 °

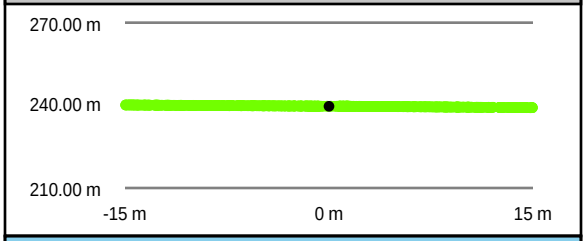
Project Context



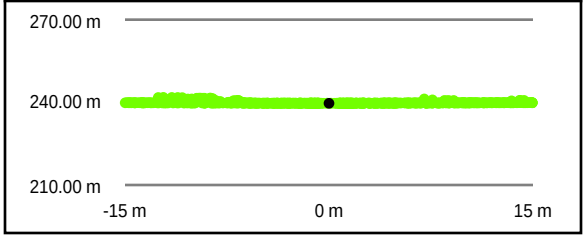
World Imagery



Southwest to Northeast



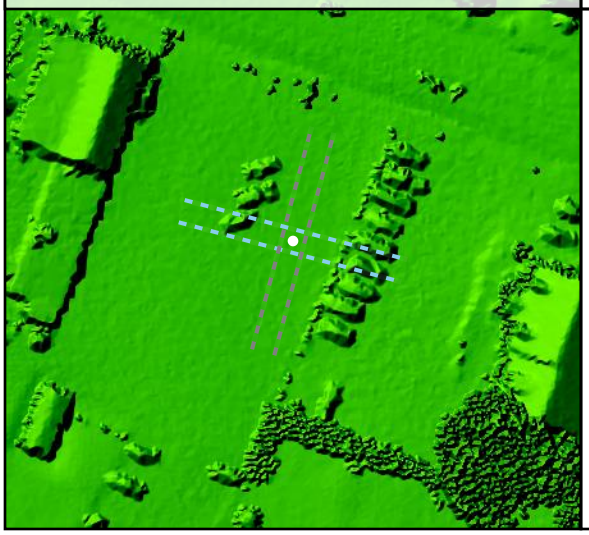
Southeast to Northwest



Intensity Raster



TIN Surface

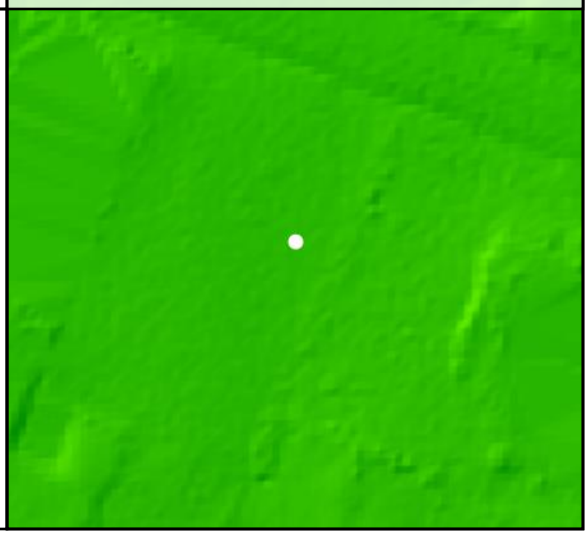


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.03 m

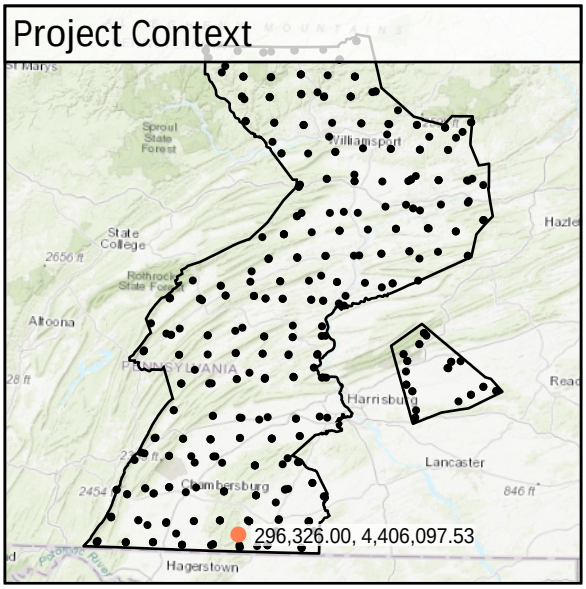
NVA - UA47

All Points TIN Dz +0.03 m

UA48

Known Z	187.87 m	Point Density	4.85 ppsm
DEM Dz	-0.03 m	Ground Density	2.48 ppsm
All Points TIN Dz	-0.04 m	Slope	0.24 °

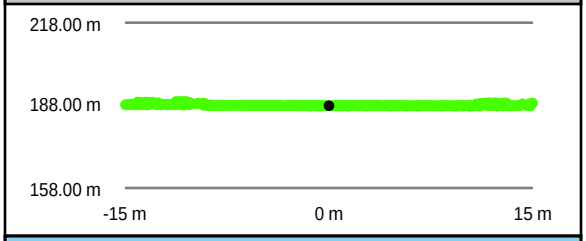
Project Context



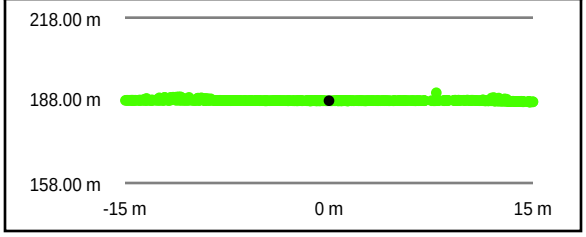
World Imagery



Southwest to Northeast



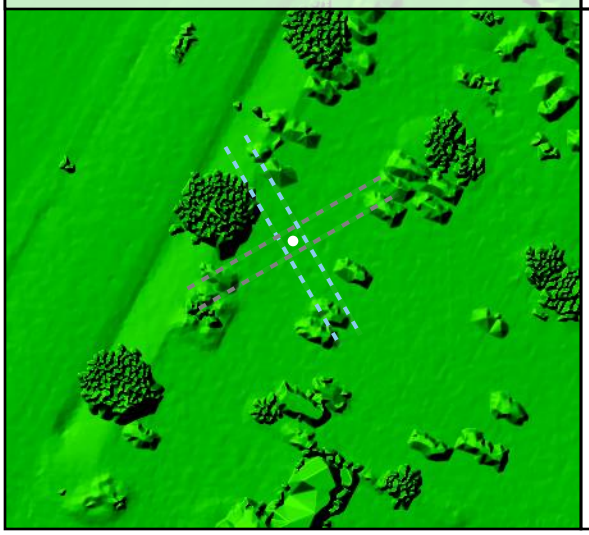
Southeast to Northwest



Intensity Raster



TIN Surface

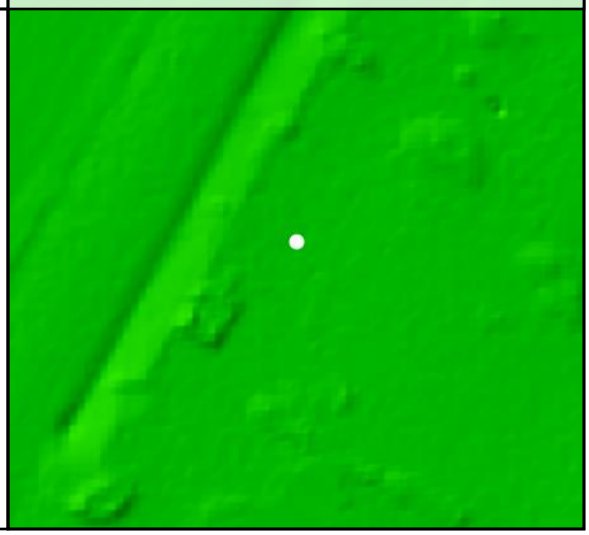


Project Elevation

716.97

103.02

DEM Surface



DEM Dz -0.03 m

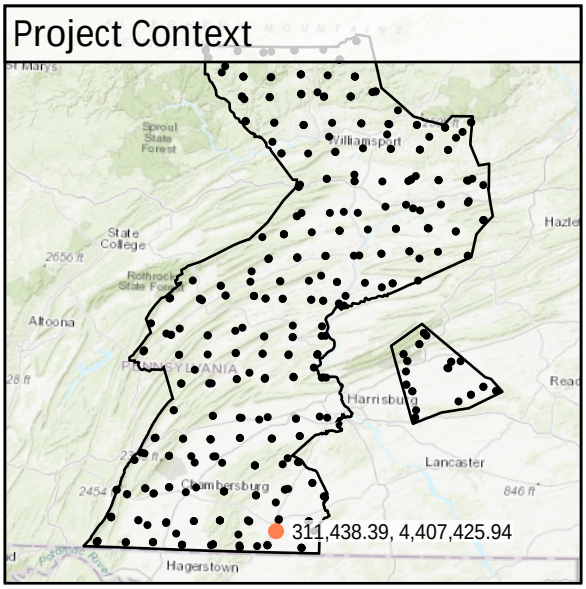
NVA - UA48

All Points TIN Dz -0.04 m

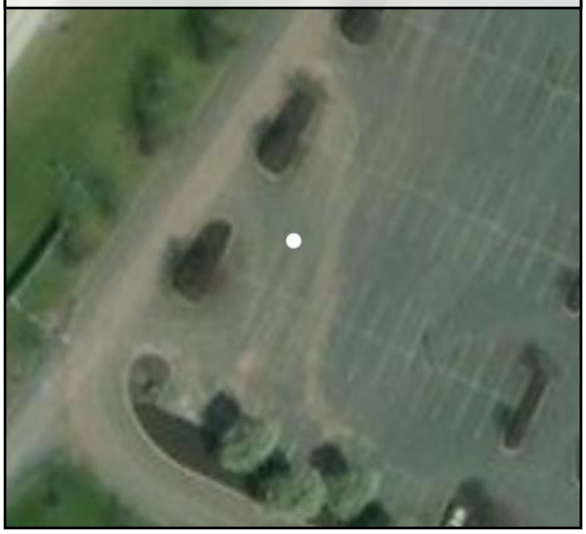
UA49

Known Z	145.06 m	Point Density	5.34 ppsm
DEM Dz	-0.02 m	Ground Density	2.79 ppsm
All Points TIN Dz	-0.04 m	Slope	1.67 °

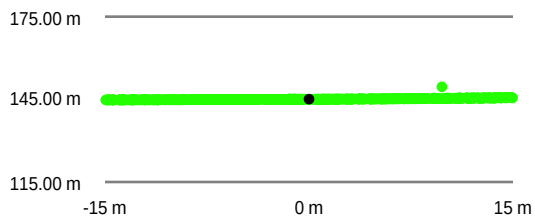
Project Context



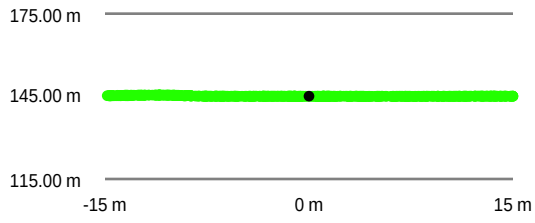
World Imagery



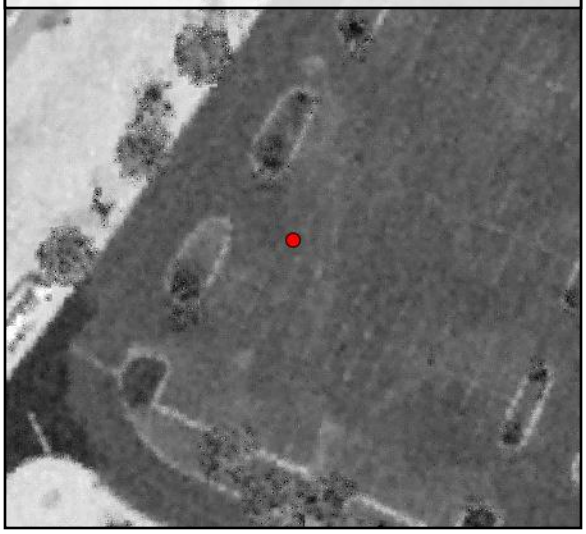
South to North



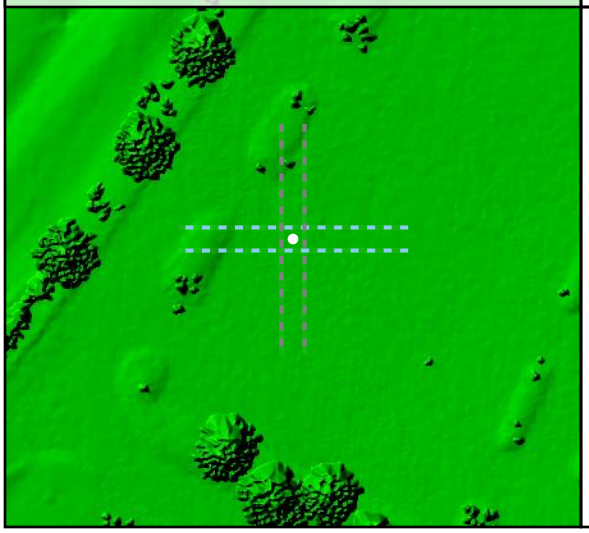
West to East



Intensity Raster



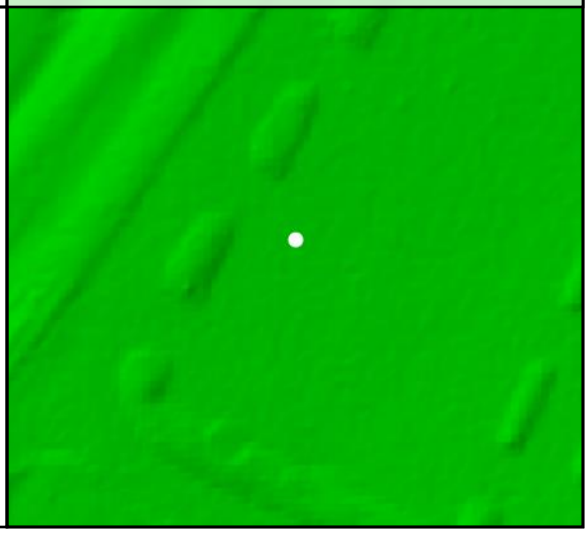
TIN Surface



Project Elevation



DEM Surface



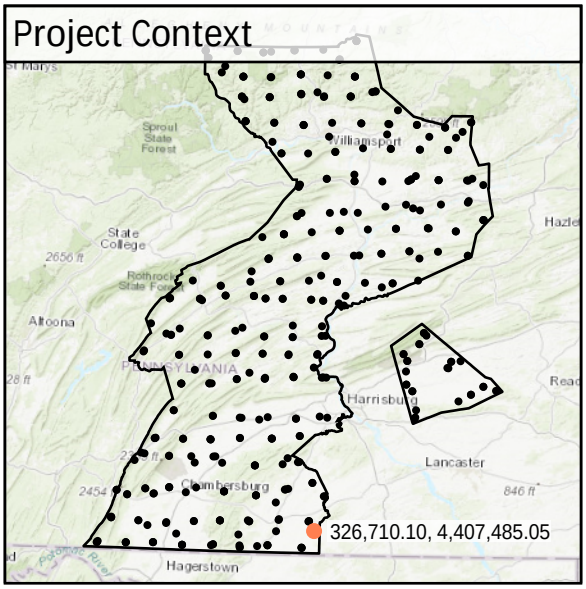
DEM Dz -0.02 m

NVA - UA49

All Points TIN Dz -0.04 m

UA50				
	Known Z	165.53 m	Point Density	5.34 ppsm
	DEM Dz	0.00 m	Ground Density	3.43 ppsm
	All Points TIN Dz	0.02 m	Slope	2.29 °

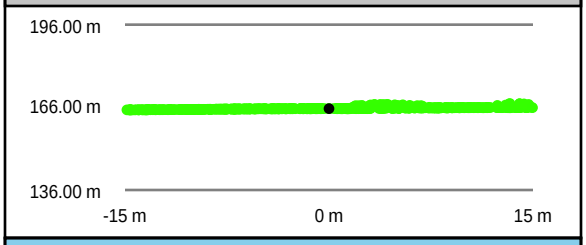
Project Context



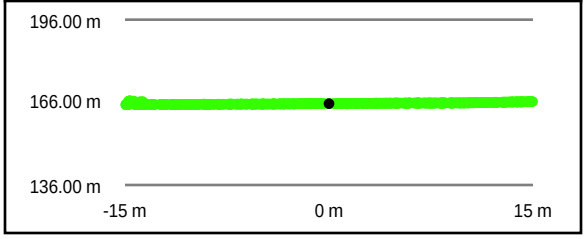
World Imagery



Southeast to Northwest



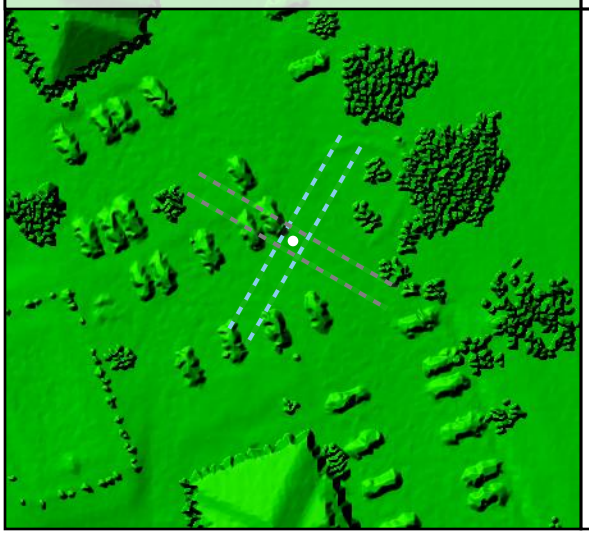
Southwest to Northeast



Intensity Raster



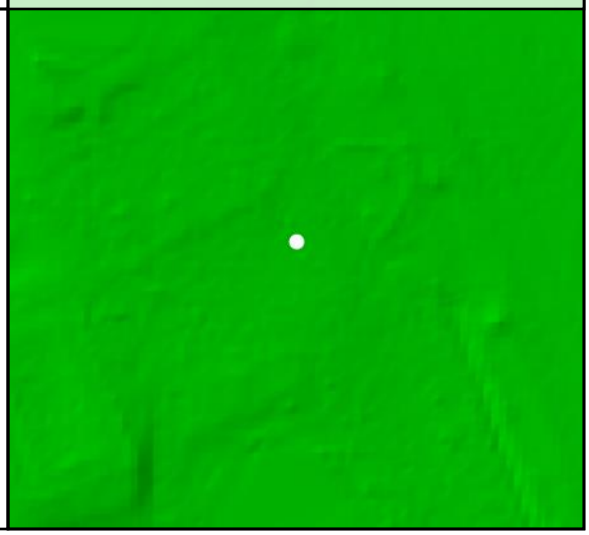
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.00 m

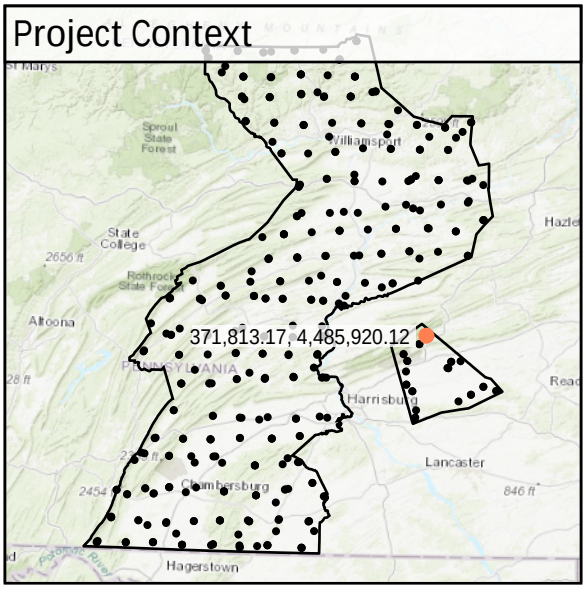
NVA - UA50

All Points TIN Dz +0.02 m

UA51

Known Z	167.86 m	Point Density	2.69 ppsm
DEM Dz	0.01 m	Ground Density	2.69 ppsm
All Points TIN Dz	0.02 m	Slope	3.66 °

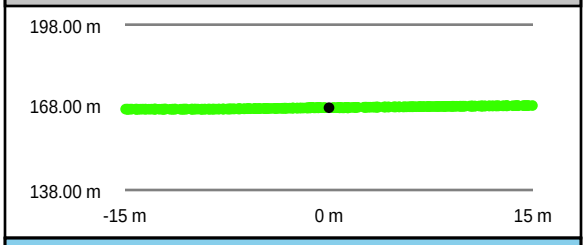
Project Context



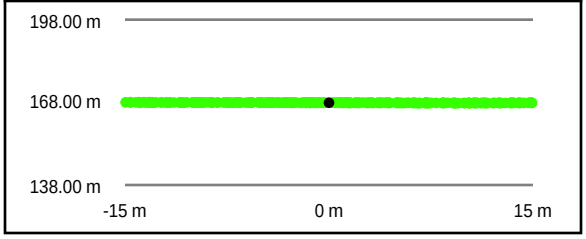
World Imagery



Southwest to Northeast



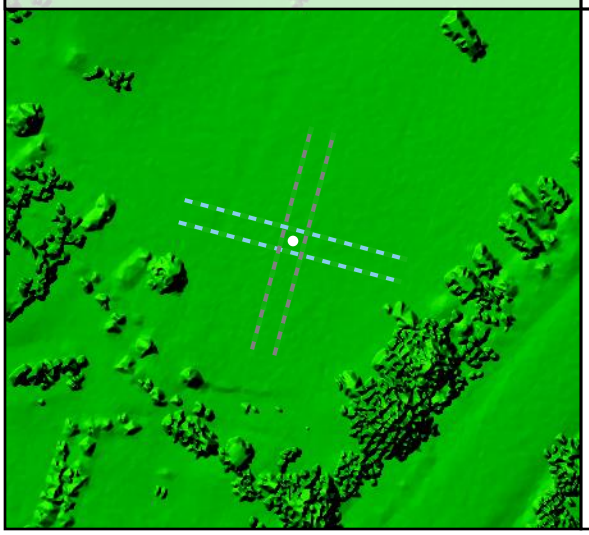
Southeast to Northwest



Intensity Raster



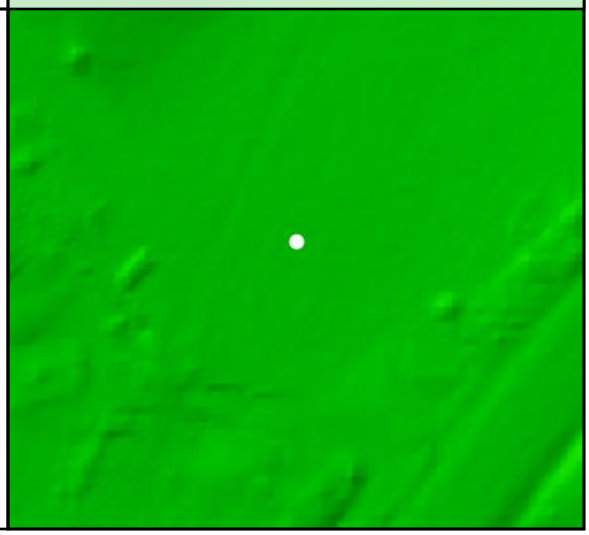
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.01 m

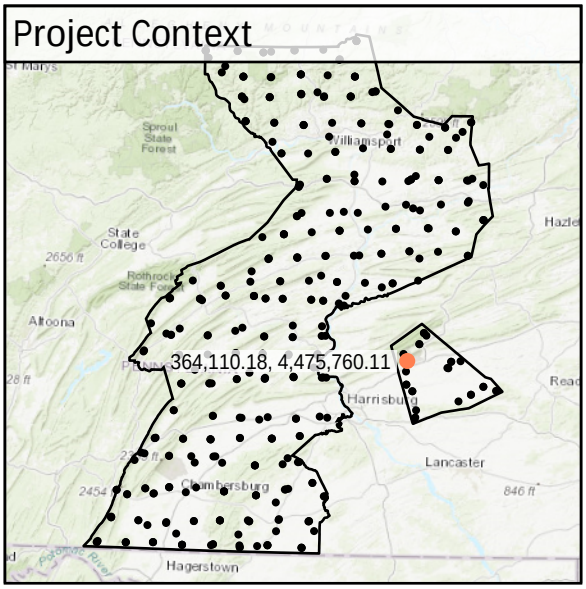
NVA - UA51

All Points TIN Dz +0.02 m

UA52

Known Z	133.74 m	Point Density	3.78 ppsm
DEM Dz	0.01 m	Ground Density	2.83 ppsm
All Points TIN Dz	0.02 m	Slope	1.24 °

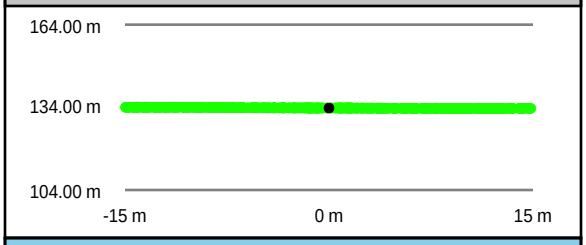
Project Context



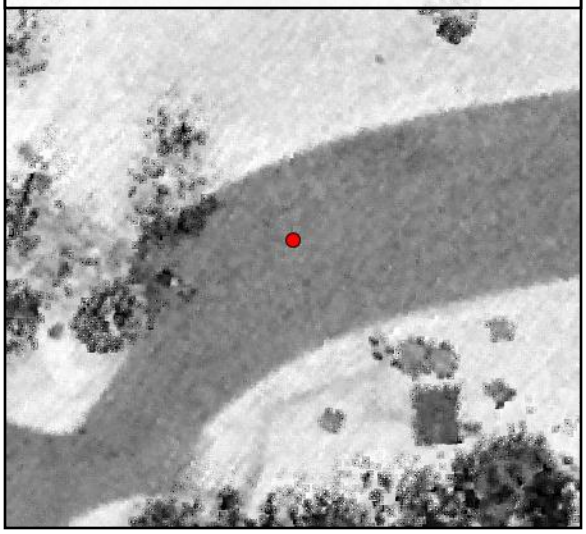
World Imagery



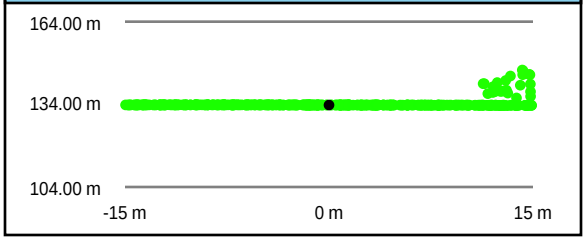
Southwest to Northeast



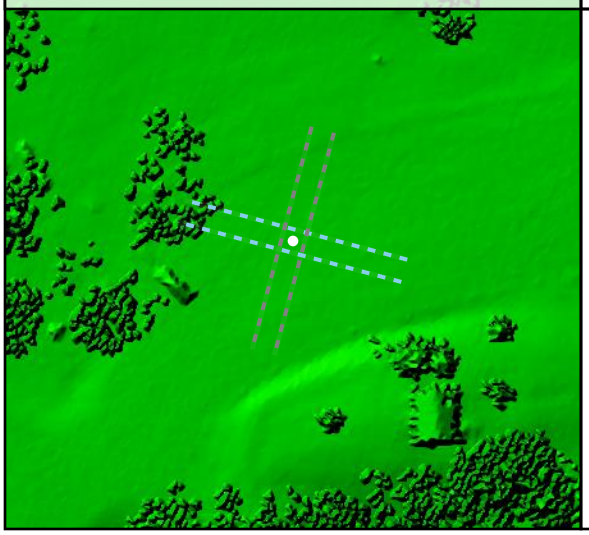
Intensity Raster



Southeast to Northwest



TIN Surface

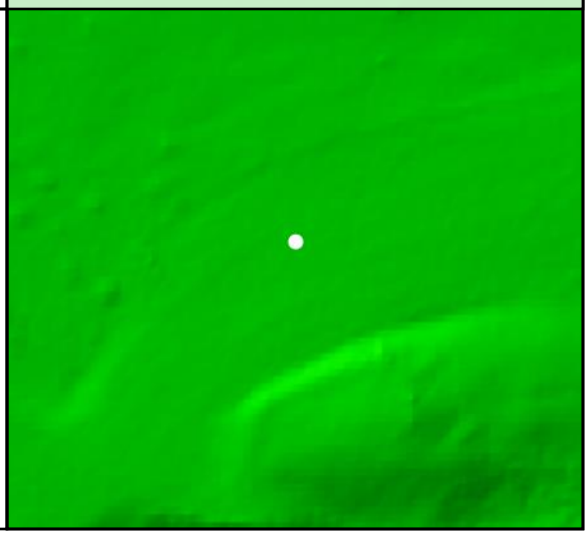


Project Elevation

716.97

103.02

DEM Surface



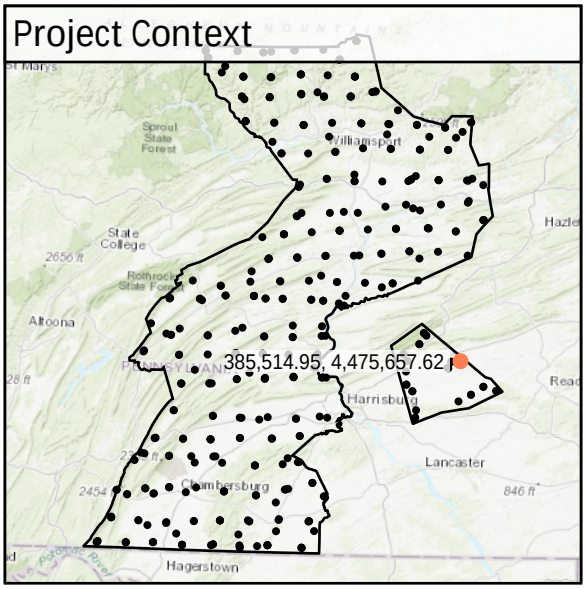
DEM Dz +0.01 m

NVA - UA52

All Points TIN Dz +0.02 m

UA53				
	Known Z	160.65 m	Point Density	4.92 ppsm
	DEM Dz	0.03 m	Ground Density	2.76 ppsm
	All Points TIN Dz	0.03 m	Slope	2.07 °

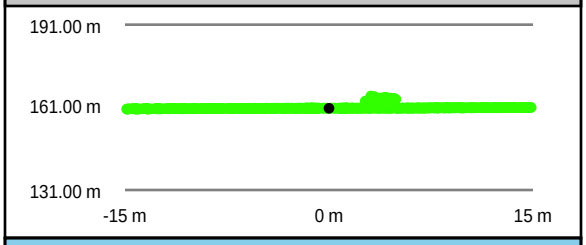
Project Context



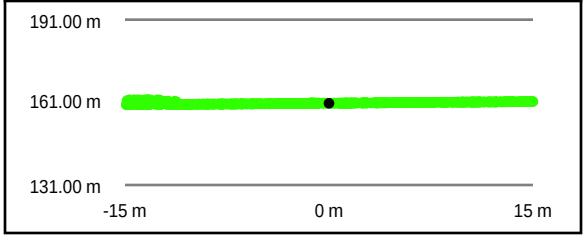
World Imagery



Southwest to Northeast



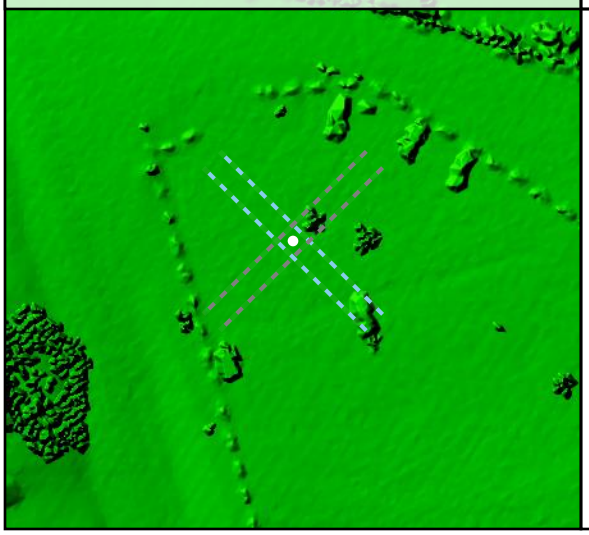
Southeast to Northwest



Intensity Raster



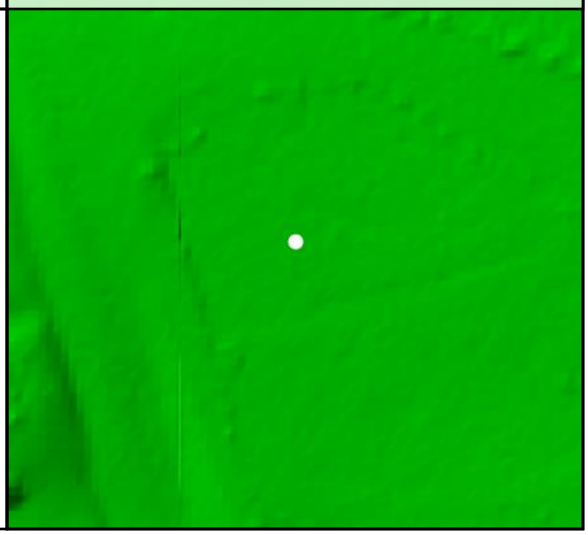
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.03 m

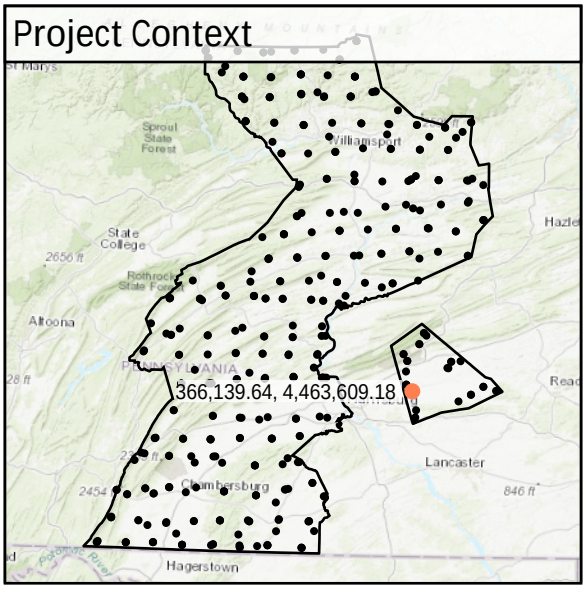
NVA - UA53

All Points TIN Dz +0.03 m

UA54

Known Z	133.25 m	Point Density	3.96 ppsm
DEM Dz	0.01 m	Ground Density	2.90 ppsm
All Points TIN Dz	0.00 m	Slope	4.54 °

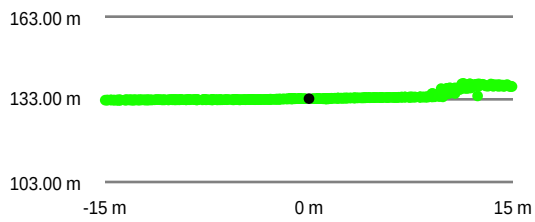
Project Context



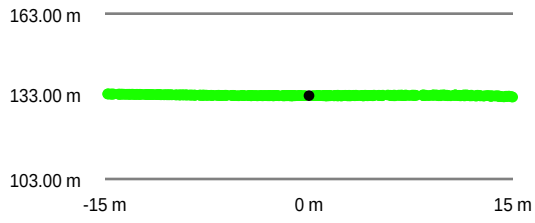
World Imagery



West to East



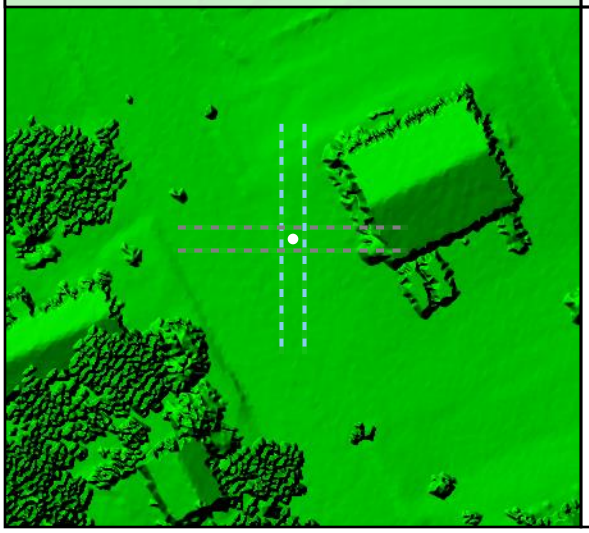
South to North



Intensity Raster



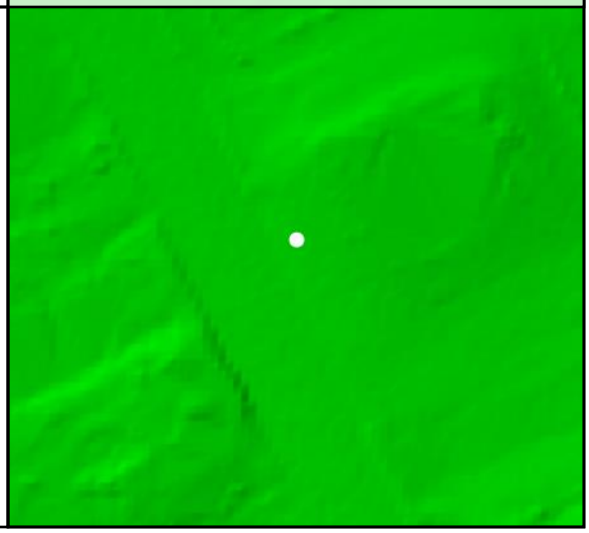
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.01 m

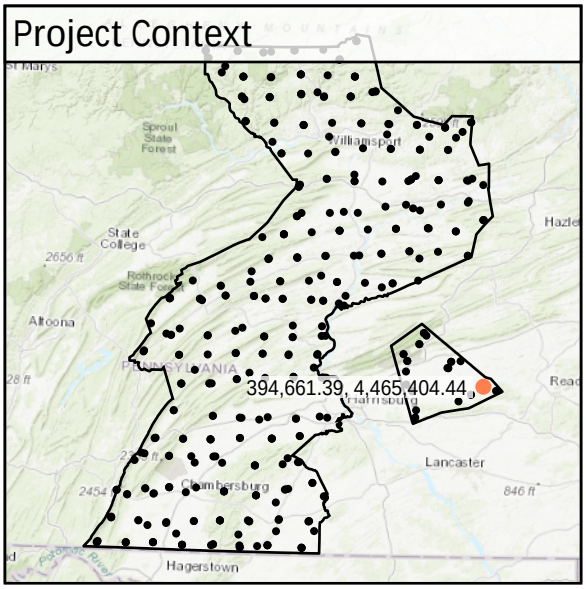
NVA - UA54

All Points TIN Dz +0.00 m

UA55

Known Z	150.68 m	Point Density	2.79 ppsm
DEM Dz	0.04 m	Ground Density	2.79 ppsm
All Points TIN Dz	0.04 m	Slope	2.21 °

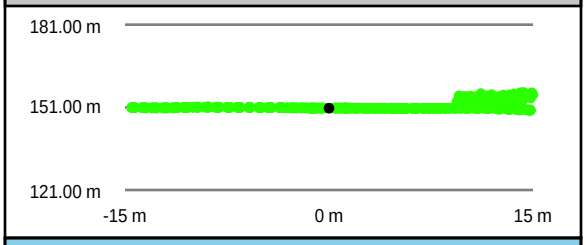
Project Context



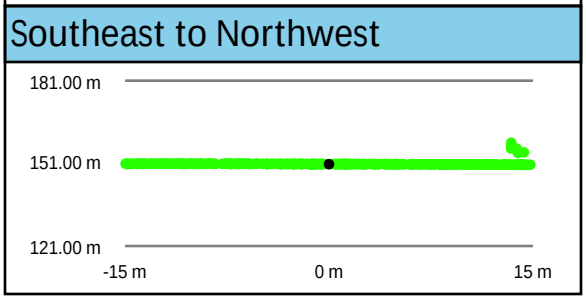
World Imagery



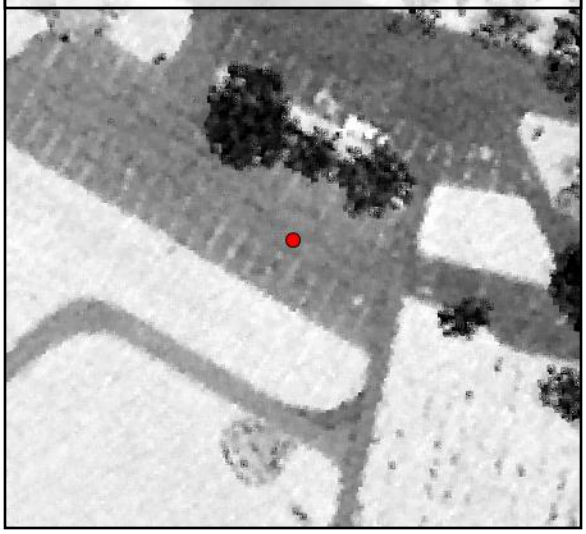
Southwest to Northeast



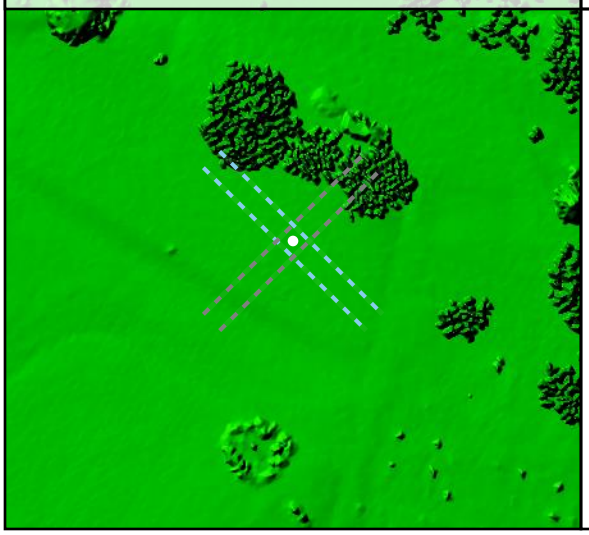
Southeast to Northwest



Intensity Raster



TIN Surface

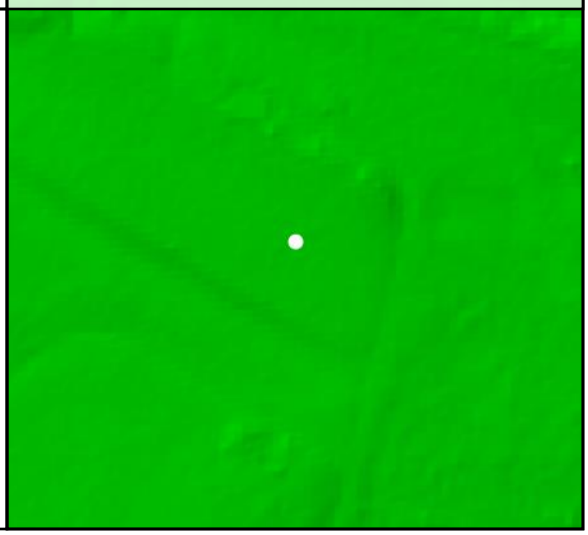


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.04 m

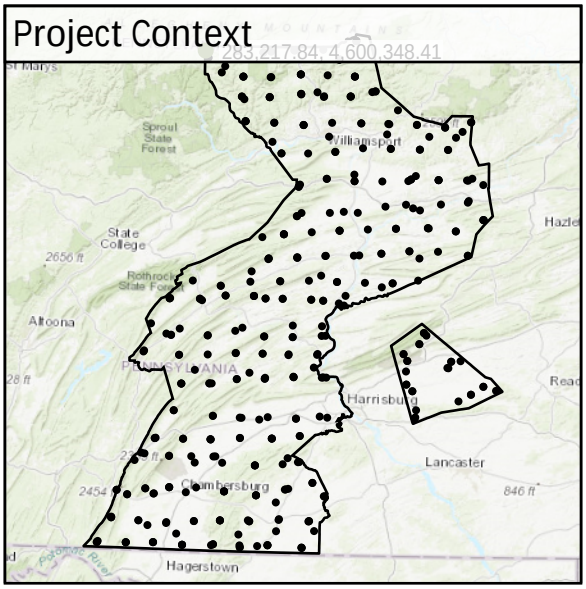
NVA - UA55

All Points TIN Dz +0.04 m

FO01

Known Z	608.05 m	Point Density	5.91 ppsm
DEM Dz	-0.13 m	Ground Density	6.44 ppsm
All Points TIN Dz	N/A	Slope	7.52 °

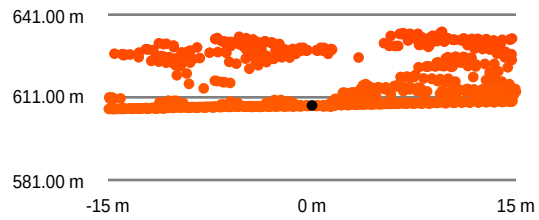
Project Context



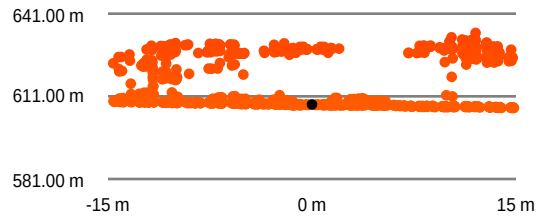
World Imagery



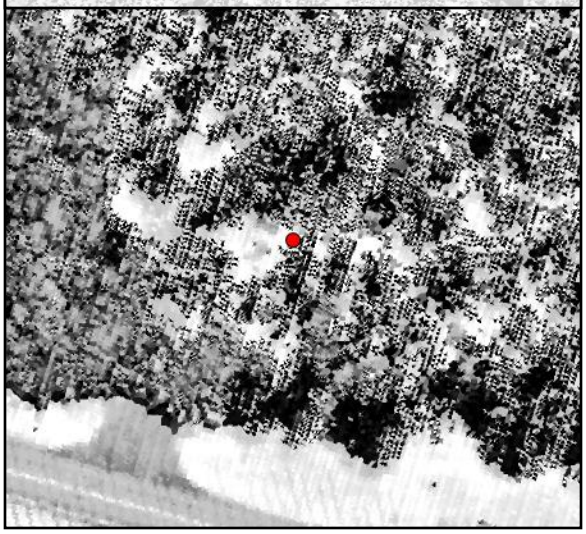
Southwest to Northeast



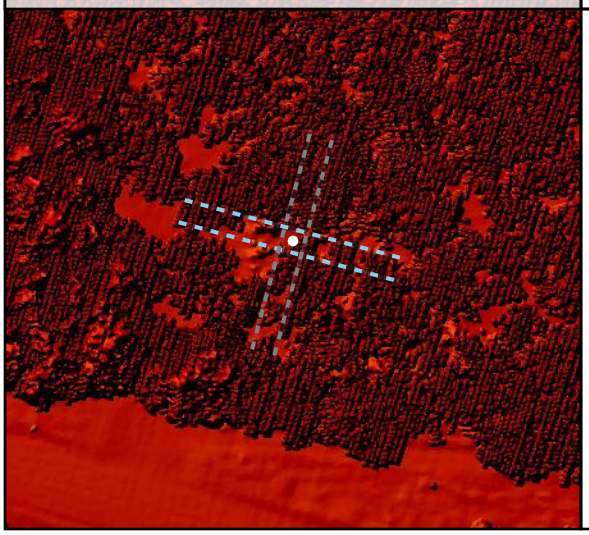
Southeast to Northwest



Intensity Raster



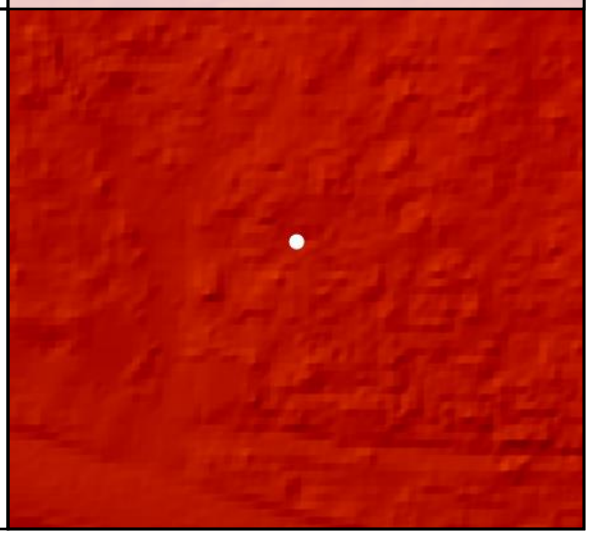
TIN Surface



Project Elevation



DEM Surface



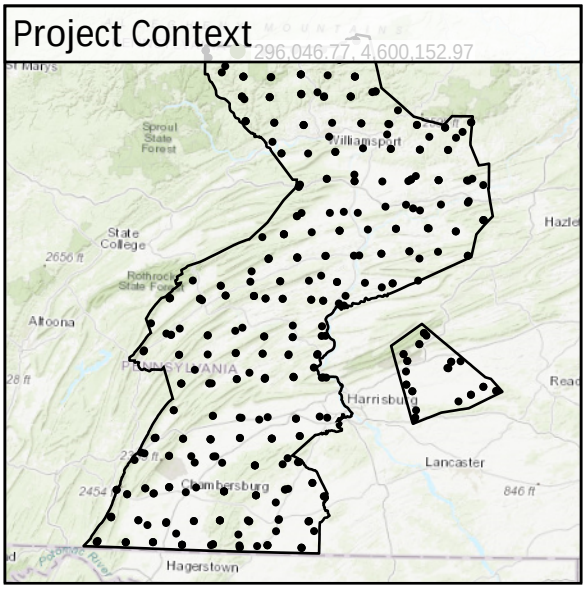
DEM Dz -0.13 m

VVA - FO01

FO02

Known Z	245.06 m	Point Density	6.97 ppsm
DEM Dz	-0.03 m	Ground Density	5.27 ppsm
All Points TIN Dz	N/A	Slope	2.38 °

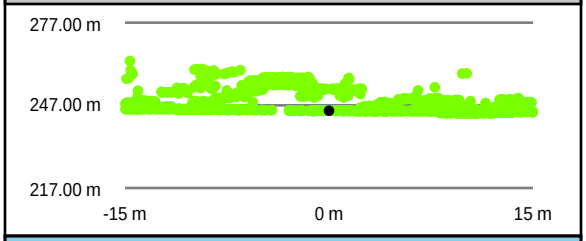
Project Context



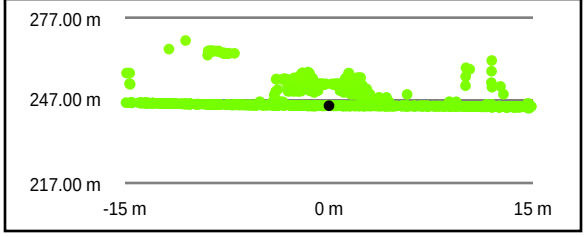
World Imagery



Southwest to Northeast



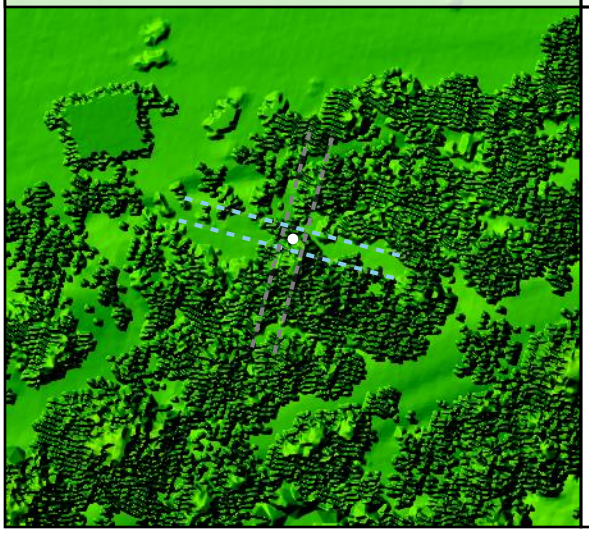
Southeast to Northwest



Intensity Raster



TIN Surface

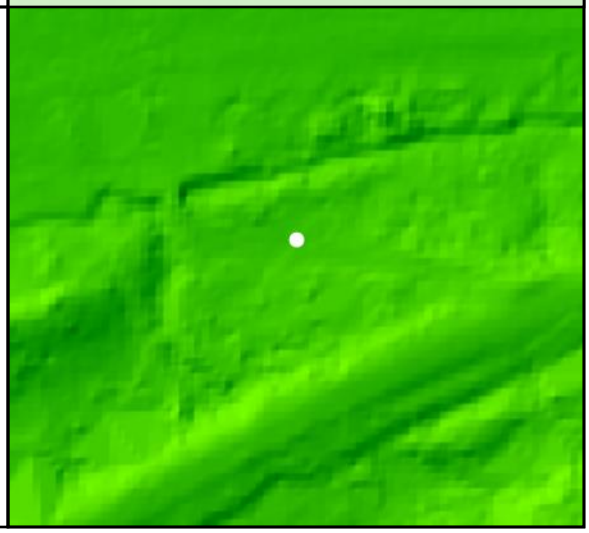


Project Elevation

716.97

103.02

DEM Surface



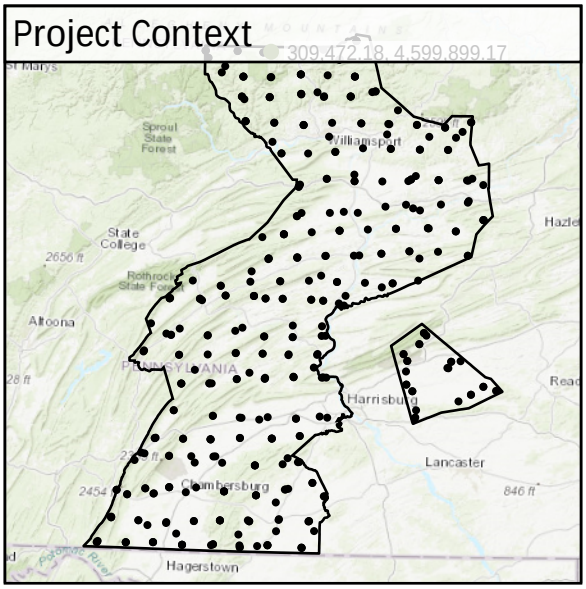
DEM Dz -0.03 m

VVA - FO02

FO03

Known Z	499.90 m	Point Density	3.61 ppsm
DEM Dz	0.07 m	Ground Density	6.01 ppsm
All Points TIN Dz	N/A	Slope	3.60 °

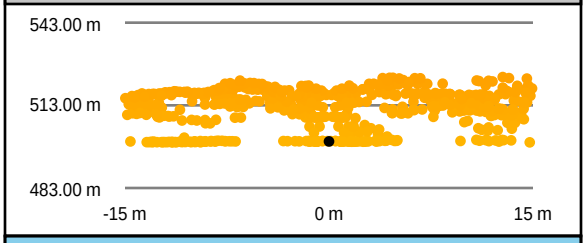
Project Context



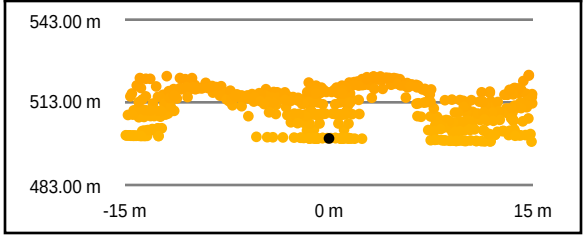
World Imagery



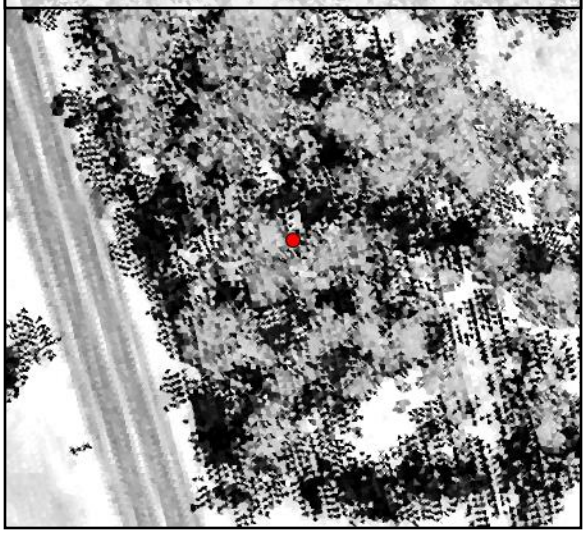
Southwest to Northeast



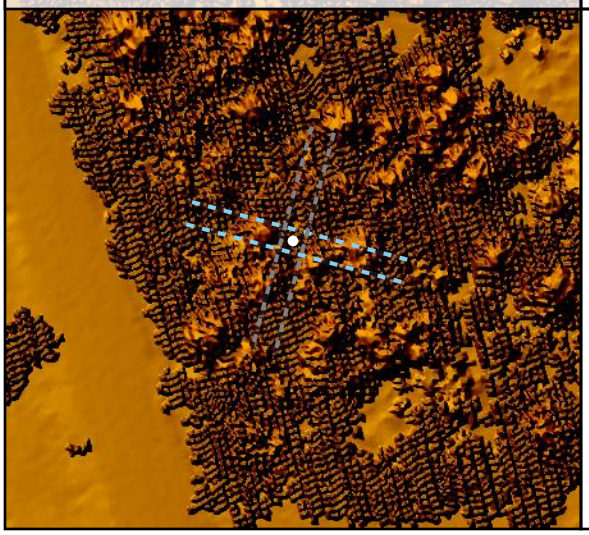
Southeast to Northwest



Intensity Raster



TIN Surface

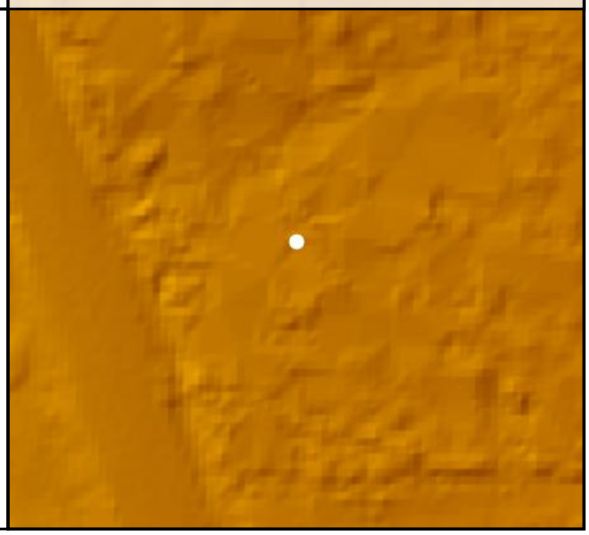


Project Elevation

716.97

103.02

DEM Surface

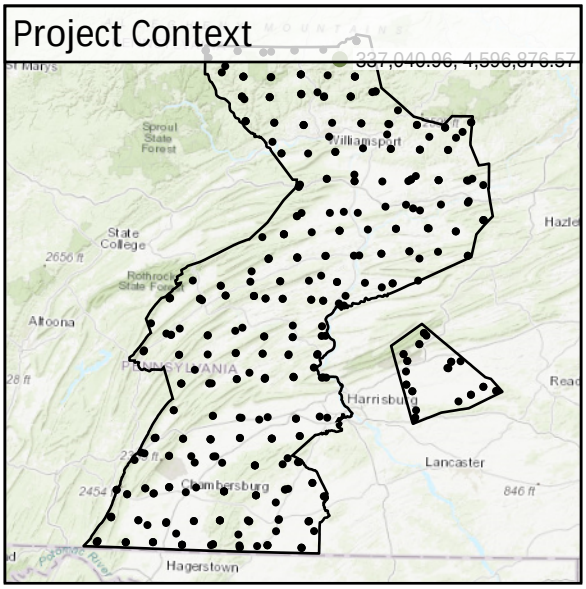


DEM Dz +0.07 m

VVA - FO03

FO04				
	Known Z	258.63 m	Point Density	2.90 ppsm
	DEM Dz	-0.01 m	Ground Density	3.08 ppsm
	All Points TIN Dz	N/A	Slope	2.61 °

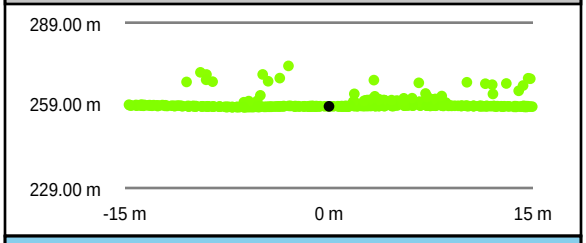
Project Context



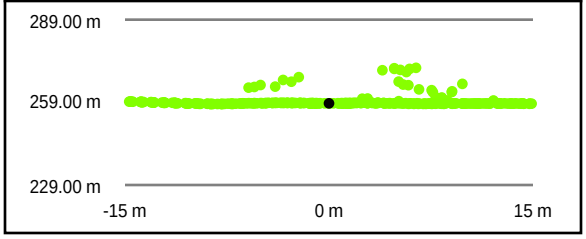
World Imagery



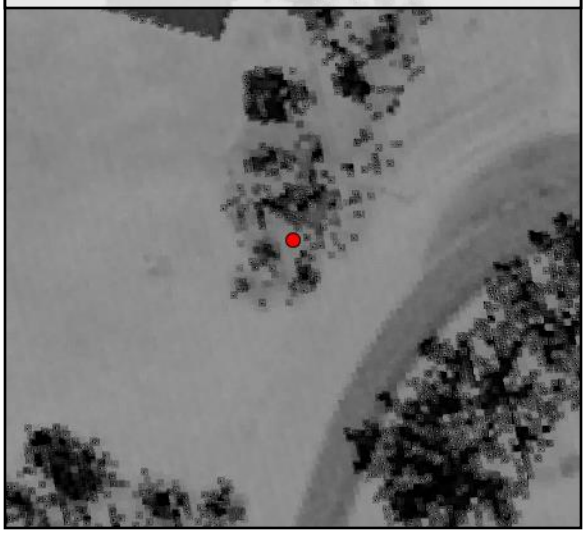
Southwest to Northeast



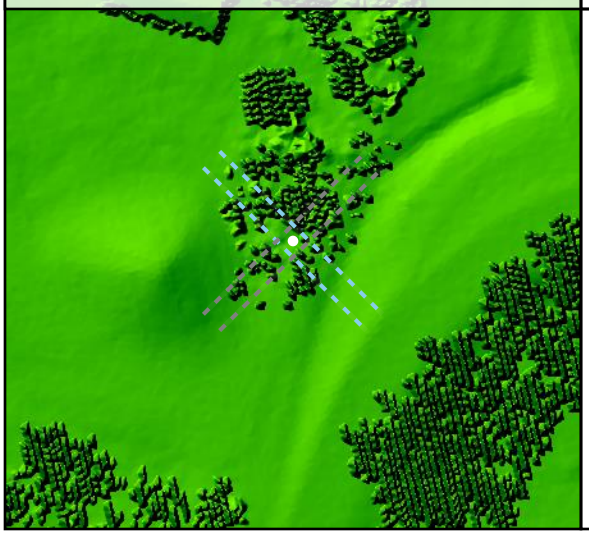
Southeast to Northwest



Intensity Raster



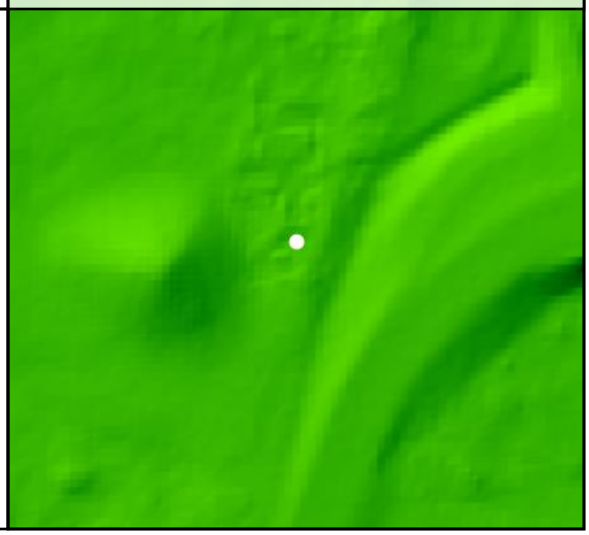
TIN Surface



Project Elevation



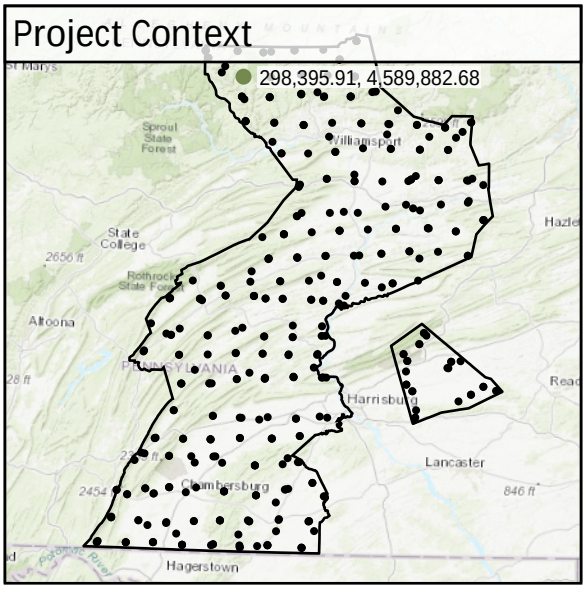
DEM Surface



FO05

Known Z	517.06 m	Point Density	4.10 ppsm
DEM Dz	-0.01 m	Ground Density	4.88 ppsm
All Points TIN Dz	N/A	Slope	1.43 °

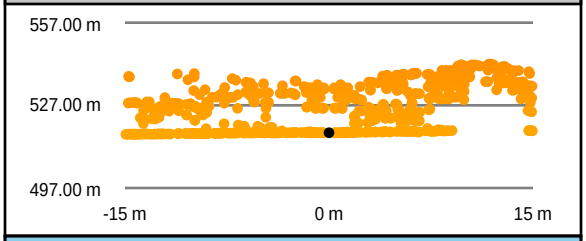
Project Context



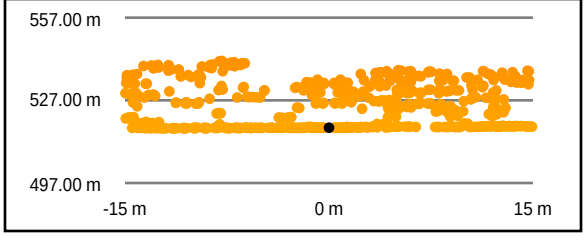
World Imagery



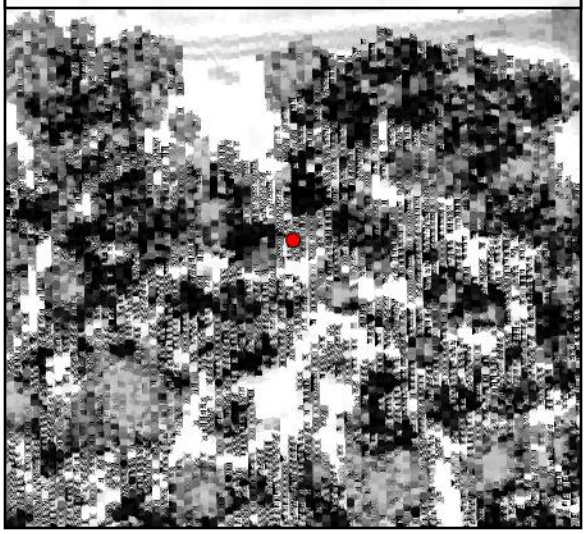
Southeast to Northwest



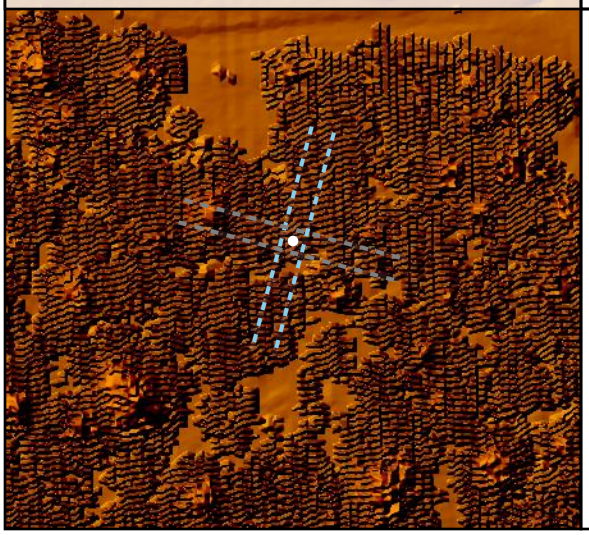
Southwest to Northeast



Intensity Raster



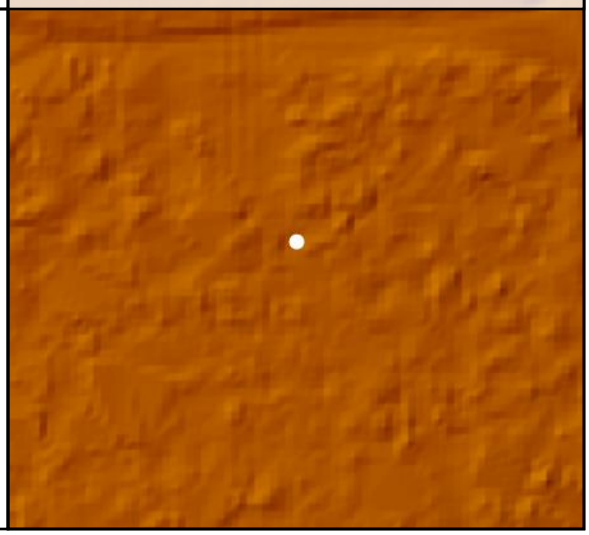
TIN Surface



Project Elevation



DEM Surface



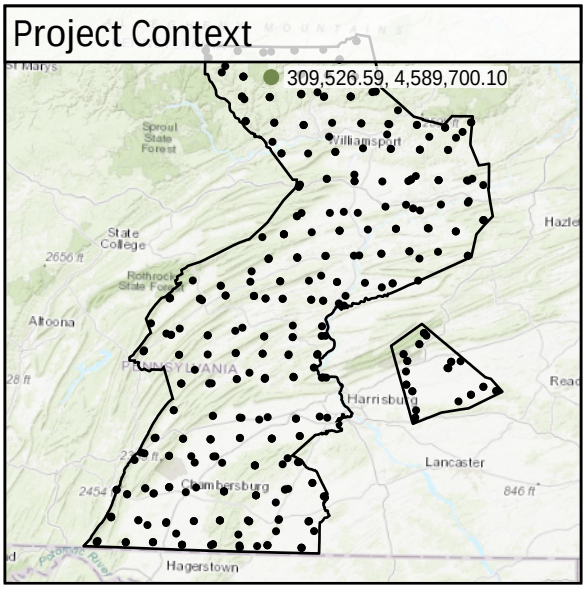
DEM Dz -0.01 m

VVA - FO05

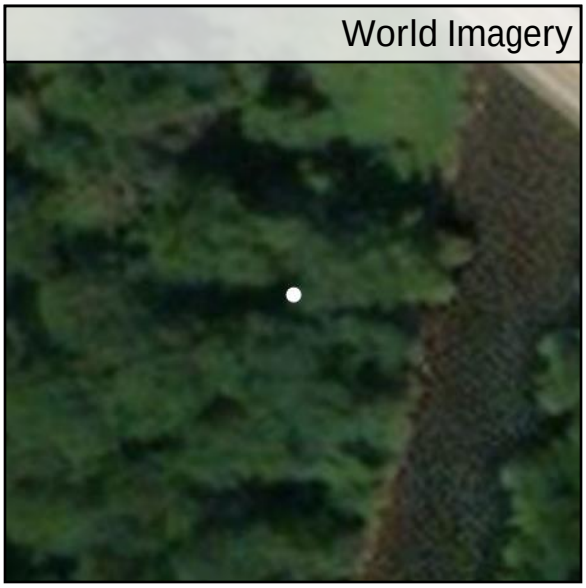
FO06

Known Z	271.12 m	Point Density	3.96 ppsm
DEM Dz	0.00 m	Ground Density	2.51 ppsm
All Points TIN Dz	N/A	Slope	0.62 °

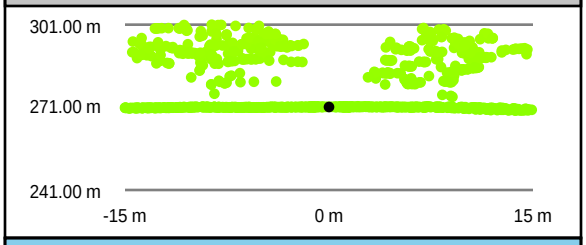
Project Context



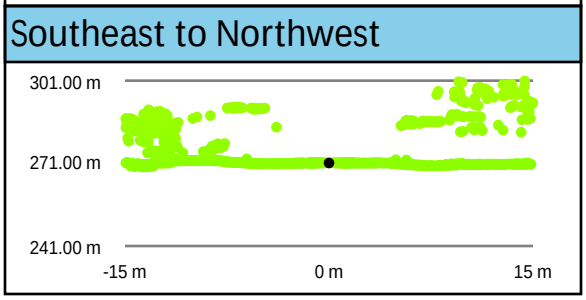
World Imagery



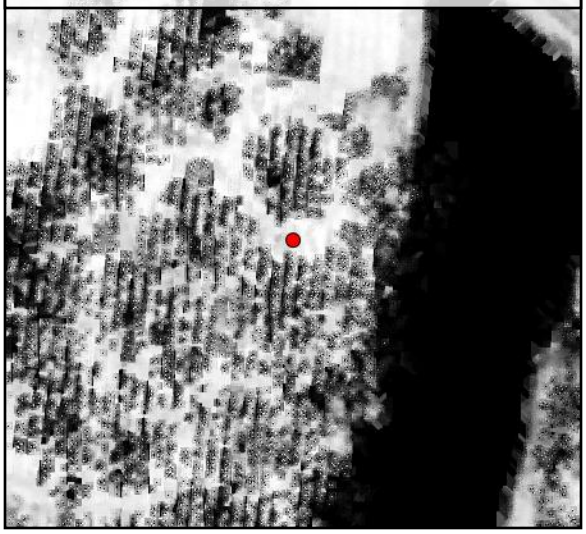
Southwest to Northeast



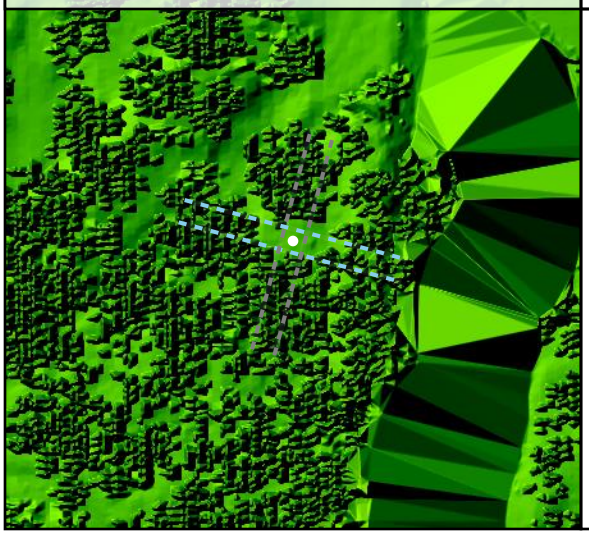
Southeast to Northwest



Intensity Raster



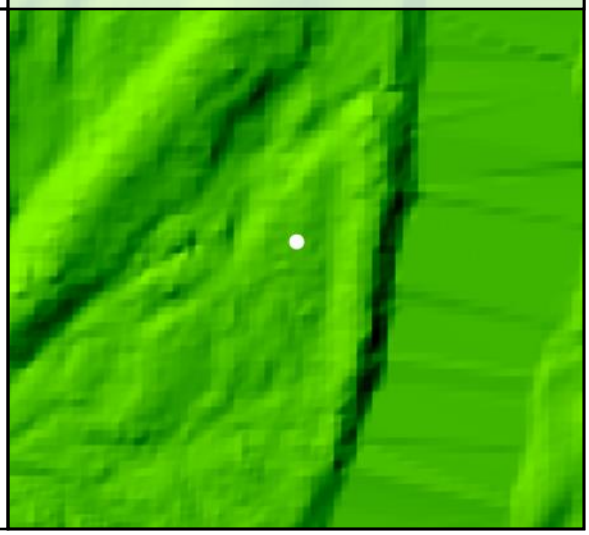
TIN Surface



Project Elevation



DEM Surface

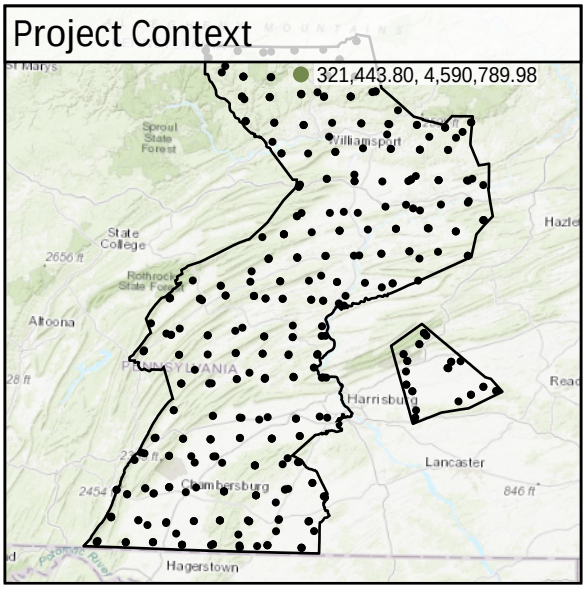


DEM Dz +0.00 m

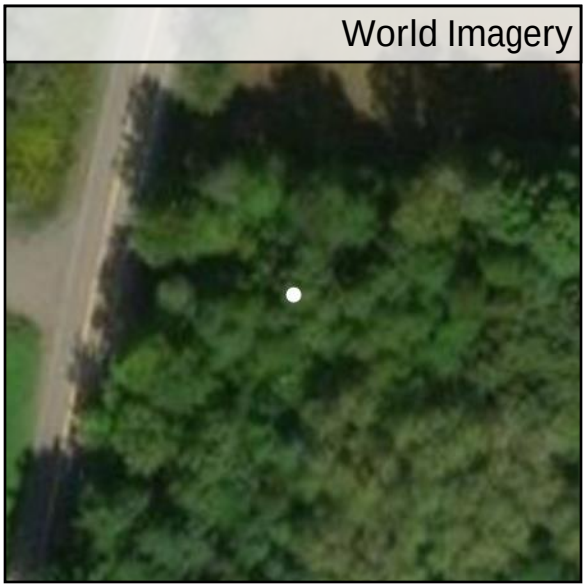
VVA - FO06

FO07				
	Known Z	489.86 m	Point Density	8.24 ppsm
	DEM Dz	-0.02 m	Ground Density	3.47 ppsm
	All Points TIN Dz	N/A	Slope	4.05 °

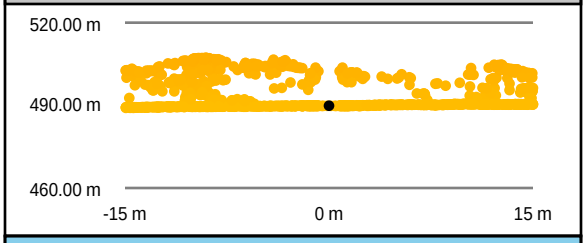
Project Context



World Imagery



South to North



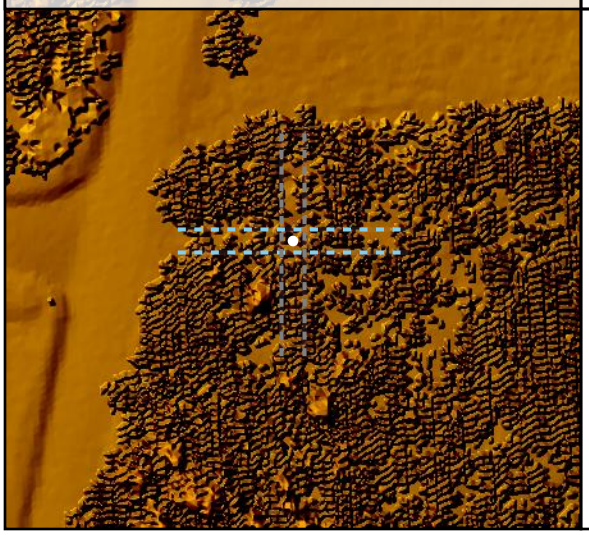
West to East



Intensity Raster



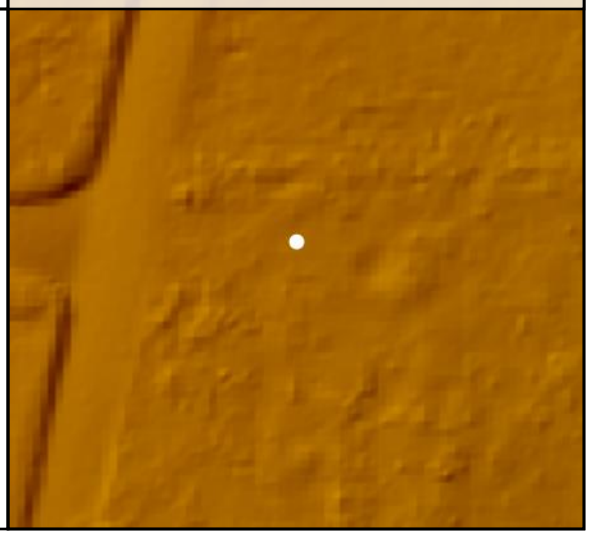
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.02 m

VVA - FO07

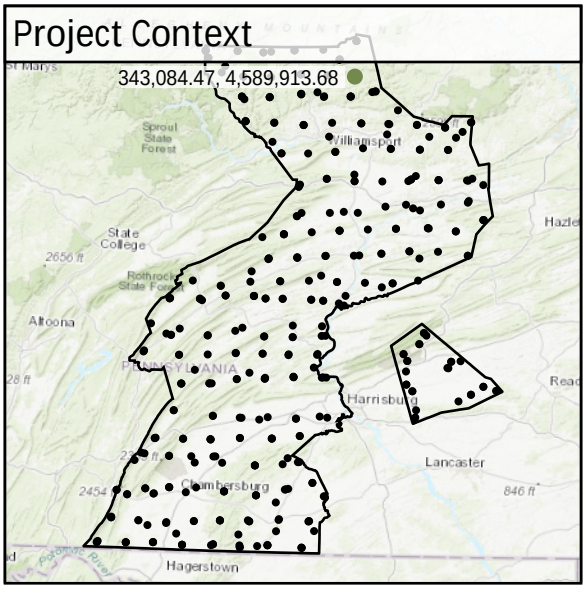
FO08

Known Z	420.26 m	Point Density	6.01 ppsm
DEM Dz	0.51 m	Ground Density	3.86 ppsm
All Points TIN Dz	N/A	Slope	3.62 °

DEM Dz +0.51 m

VVA - FO08

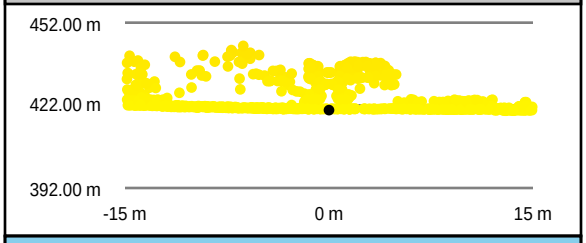
Project Context



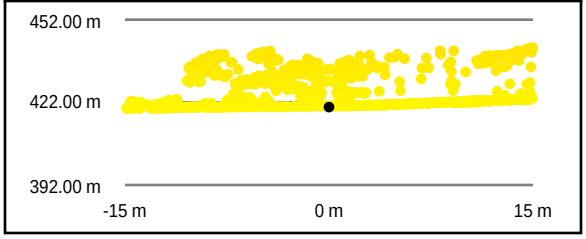
World Imagery



Southwest to Northeast



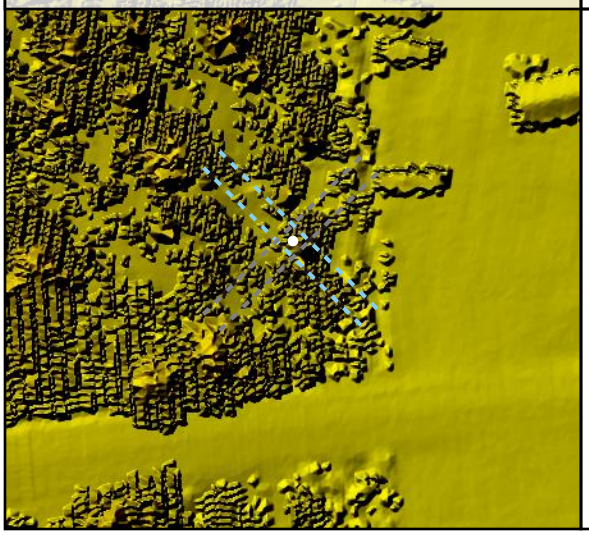
Southeast to Northwest



Intensity Raster



TIN Surface

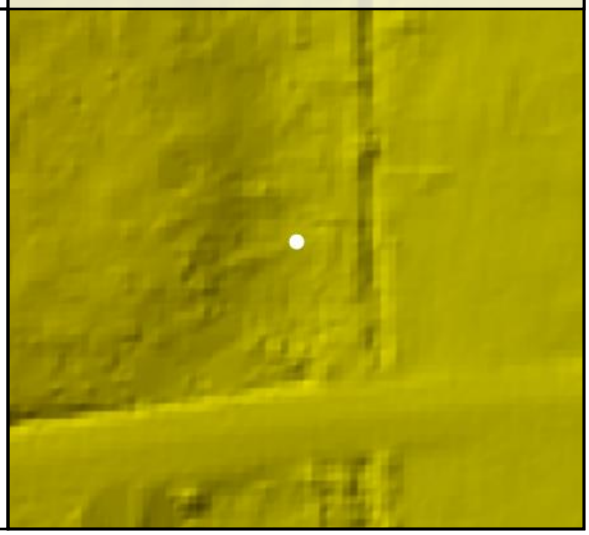


Project Elevation

716.97

103.02

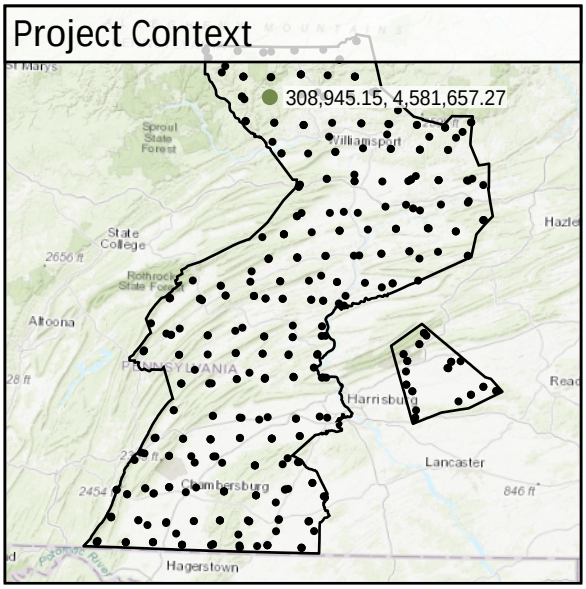
DEM Surface



FO09

Known Z	587.59 m	Point Density	8.56 ppsm
DEM Dz	0.14 m	Ground Density	5.34 ppsm
All Points TIN Dz	N/A	Slope	0.91 °

Project Context



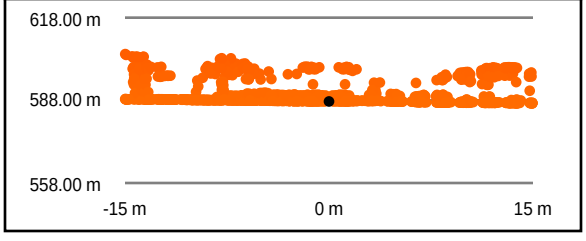
World Imagery



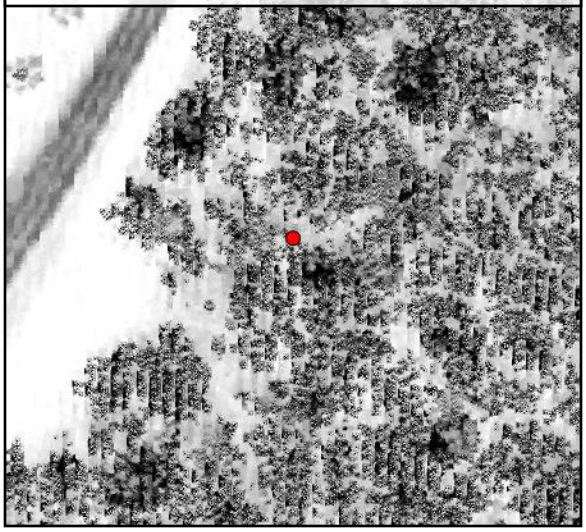
South to North



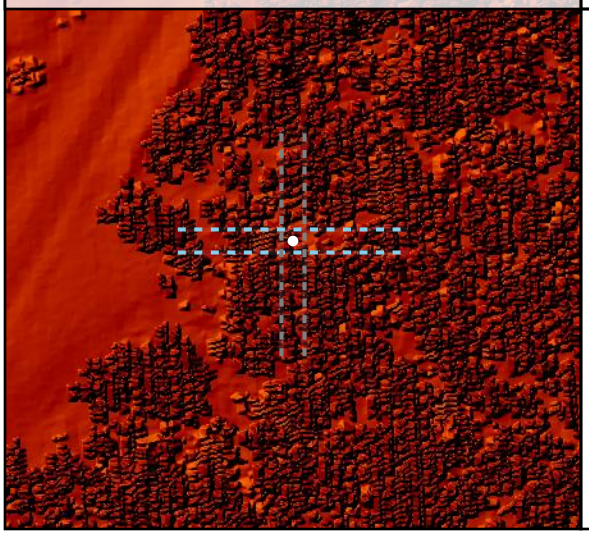
West to East



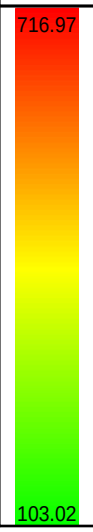
Intensity Raster



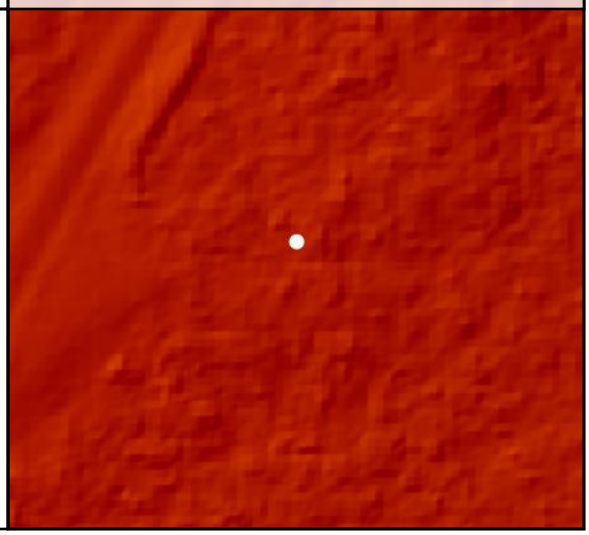
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.14 m

VVA - FO09

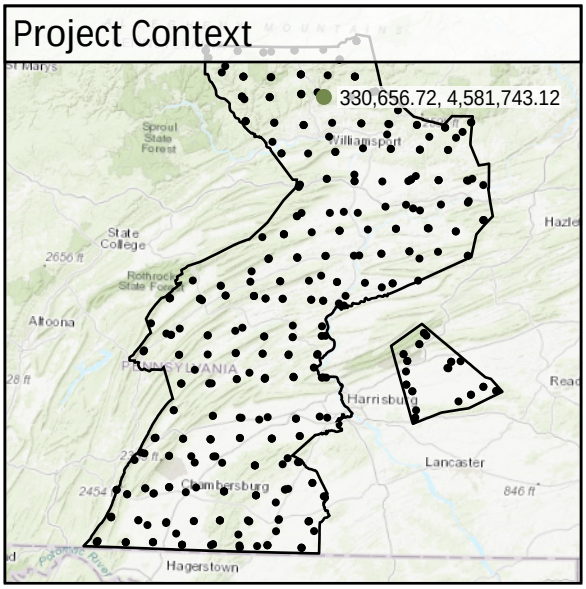
FO10

Known Z	407.19 m	Point Density	6.83 ppsm
DEM Dz	0.20 m	Ground Density	3.08 ppsm
All Points TIN Dz	N/A	Slope	10.74 °

DEM Dz +0.20 m

VVA - FO10

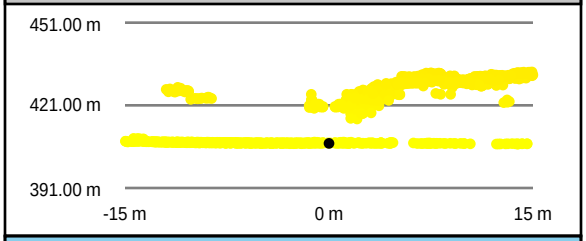
Project Context



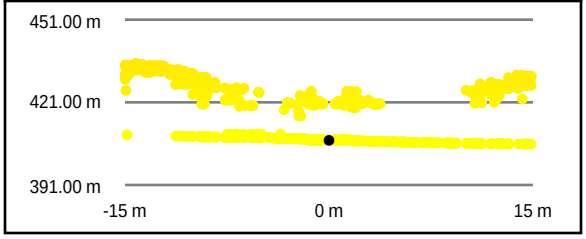
World Imagery



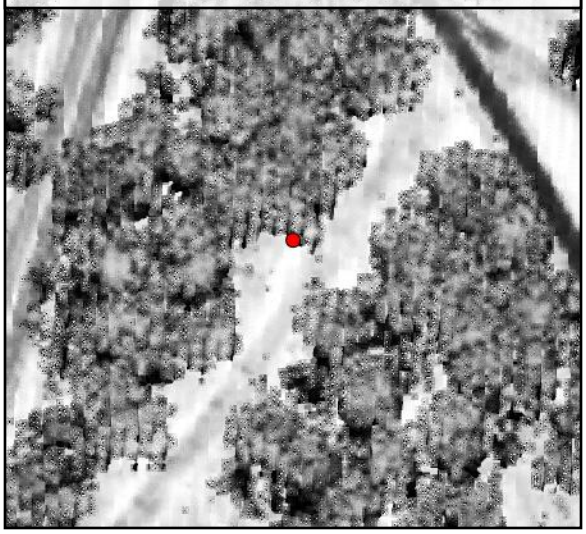
South to North



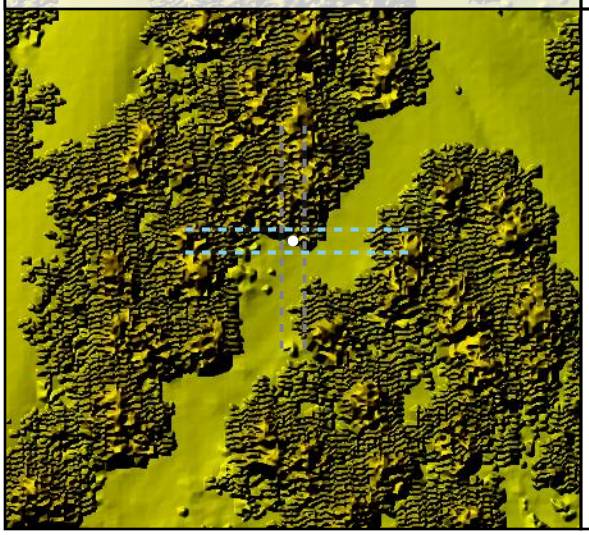
West to East



Intensity Raster



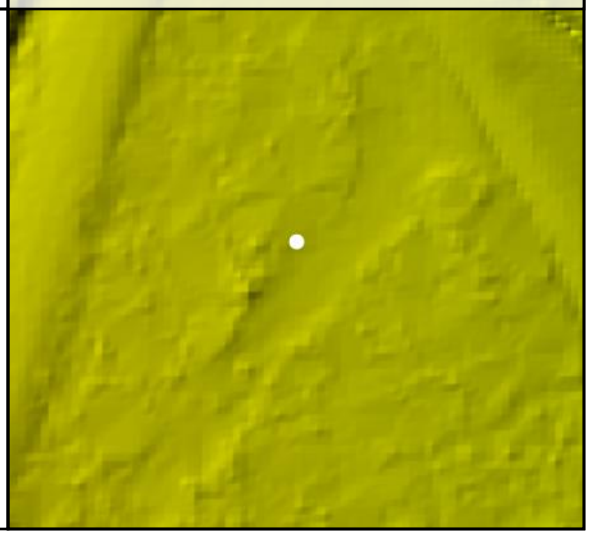
TIN Surface



Project Elevation



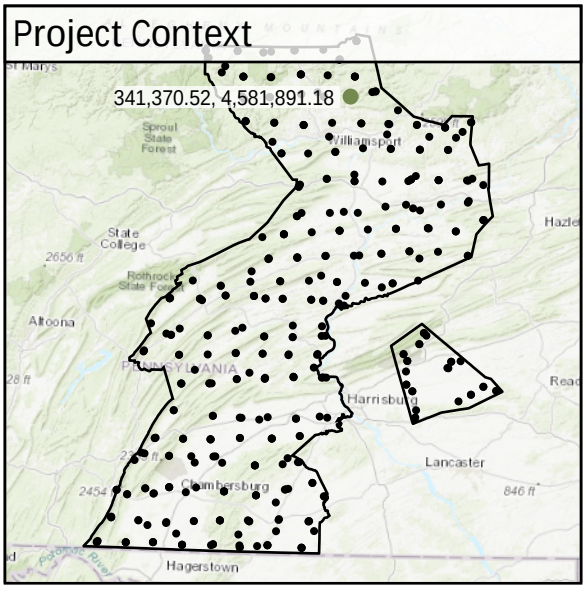
DEM Surface



FO11

Known Z	461.73 m	Point Density	6.97 ppsm
DEM Dz	0.44 m	Ground Density	4.17 ppsm
All Points TIN Dz	N/A	Slope	7.68 °

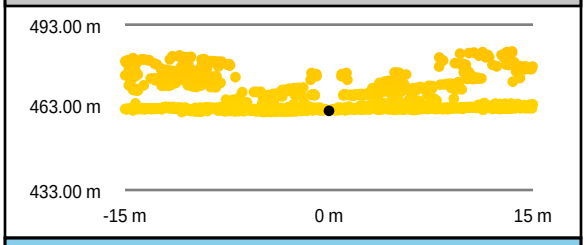
Project Context



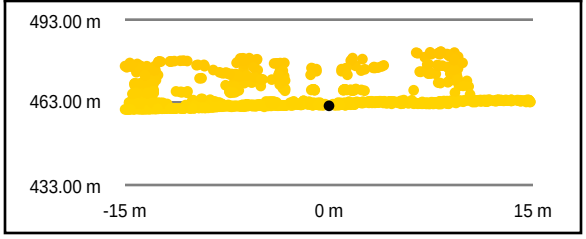
World Imagery



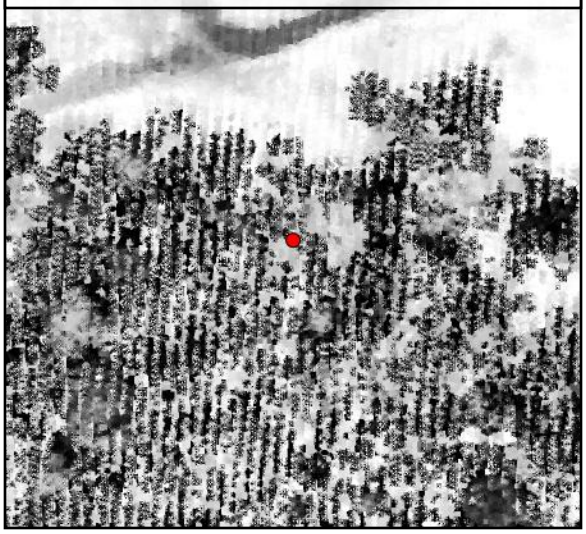
Southeast to Northwest



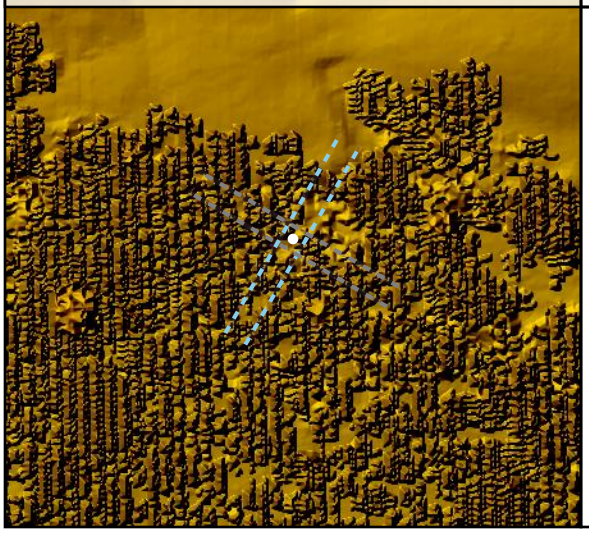
Southwest to Northeast



Intensity Raster



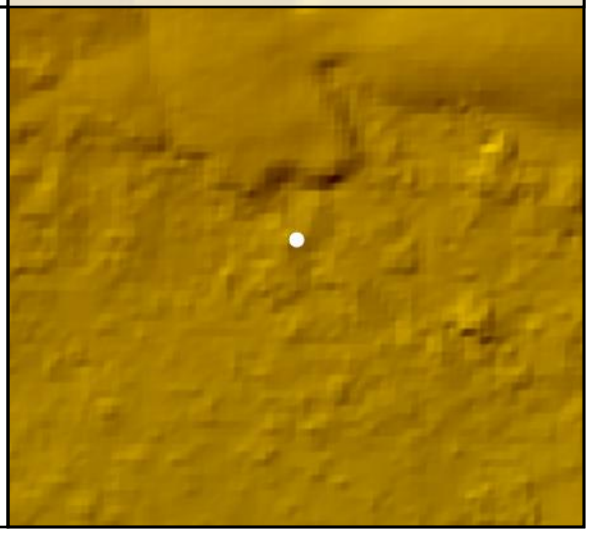
TIN Surface



Project Elevation



DEM Surface



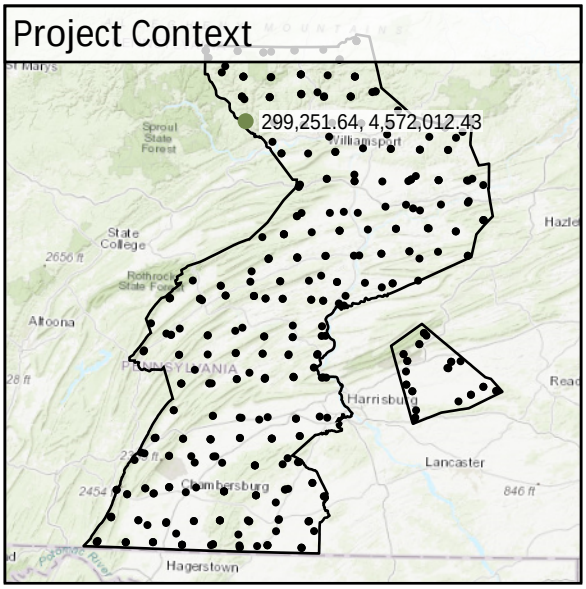
DEM Dz +0.44 m

VVA - FO11

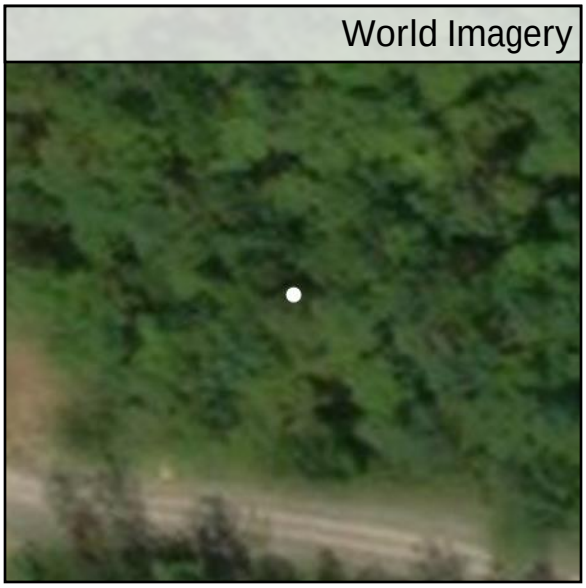
FO12

	Known Z	572.46 m	Point Density	10.96 ppsm
	DEM Dz	-0.03 m	Ground Density	7.22 ppsm
	All Points TIN Dz	N/A	Slope	7.89 °

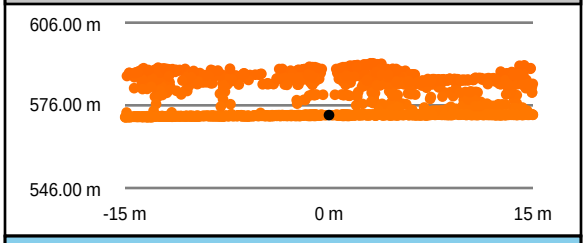
Project Context



World Imagery



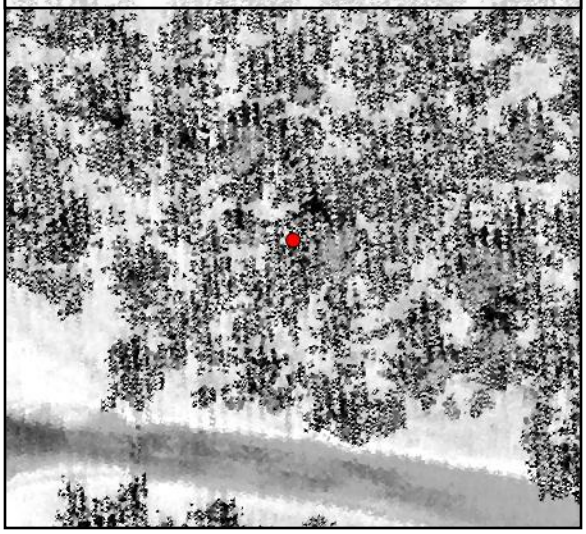
Southwest to Northeast



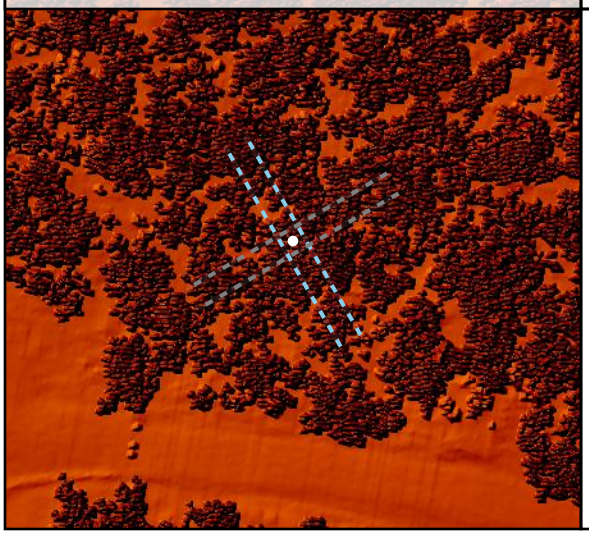
Southeast to Northwest



Intensity Raster



TIN Surface

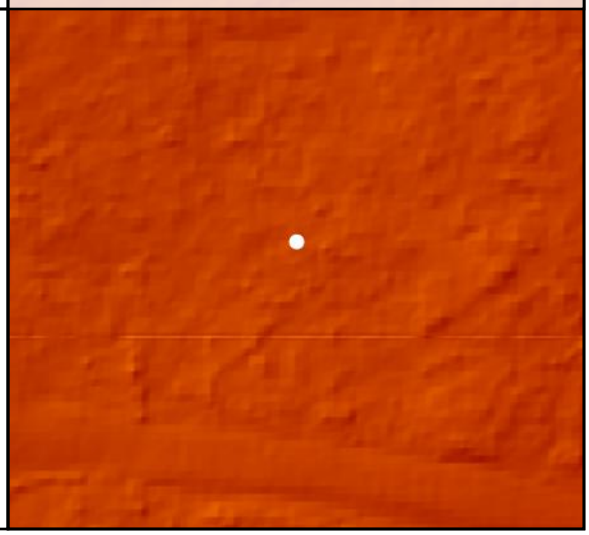


Project Elevation

716.97

103.02

DEM Surface



DEM Dz -0.03 m

VVA - FO12

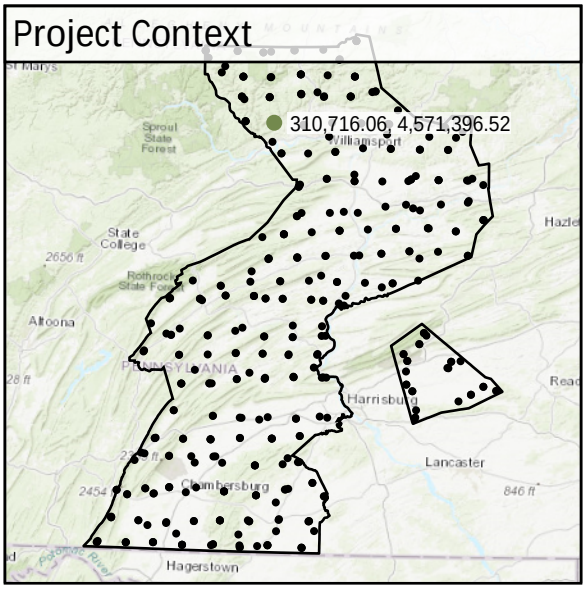
FO13

Known Z	241.39 m	Point Density	7.14 ppsm
DEM Dz	0.07 m	Ground Density	6.90 ppsm
All Points TIN Dz	N/A	Slope	21.96 °

DEM Dz +0.07 m

VVA - FO13

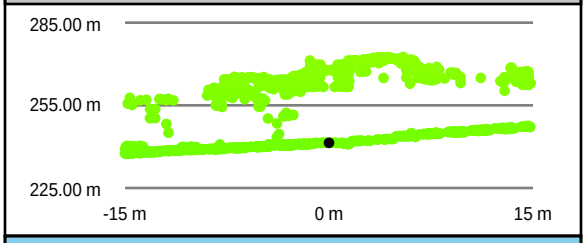
Project Context



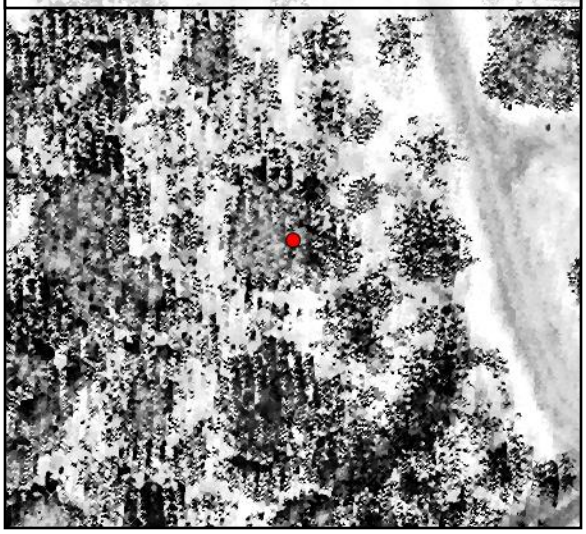
World Imagery



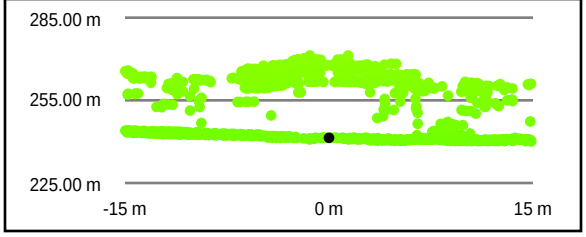
Southeast to Northwest



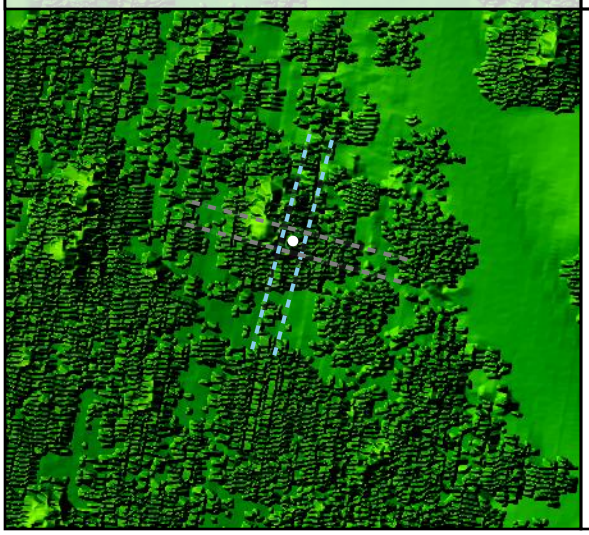
Intensity Raster



Southwest to Northeast



TIN Surface

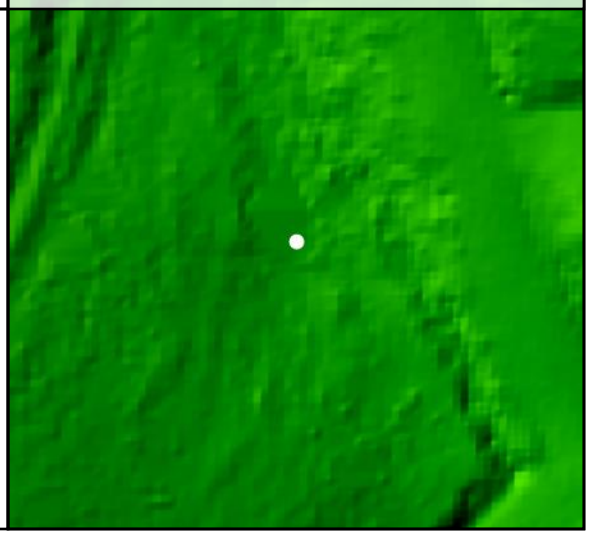


Project Elevation

716.97

103.02

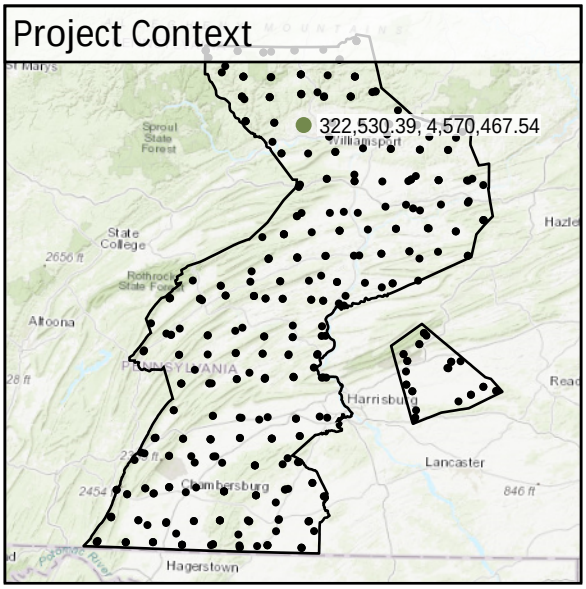
DEM Surface



FO14

Known Z	302.82 m	Point Density	6.15 ppsm
DEM Dz	0.02 m	Ground Density	7.43 ppsm
All Points TIN Dz	N/A	Slope	5.27 °

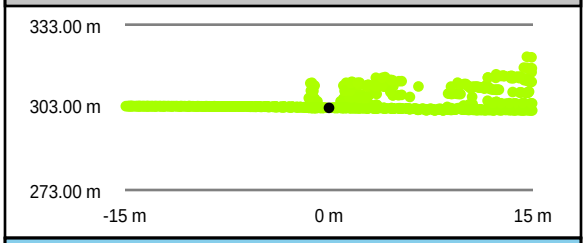
Project Context



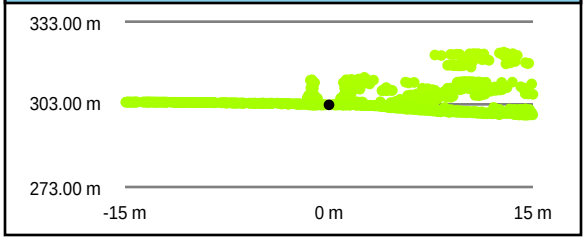
World Imagery



South to North



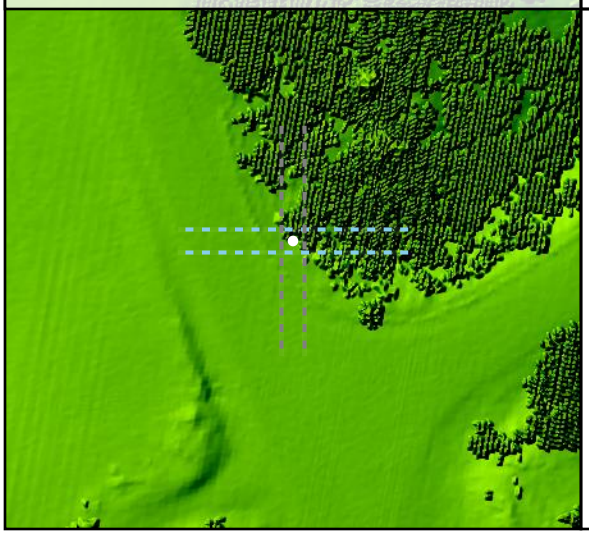
West to East



Intensity Raster



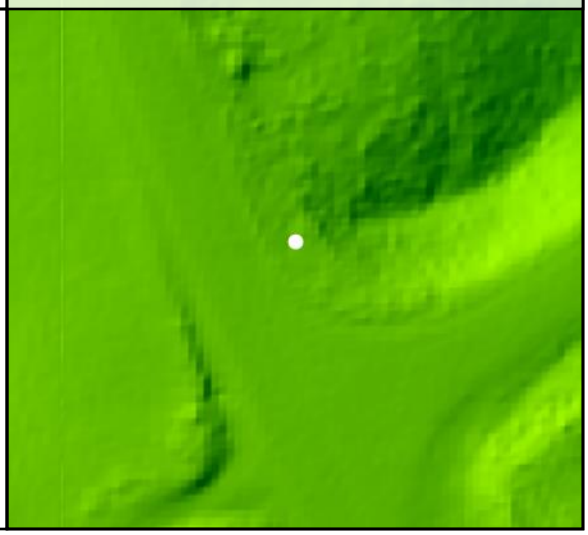
TIN Surface



Project Elevation



DEM Surface



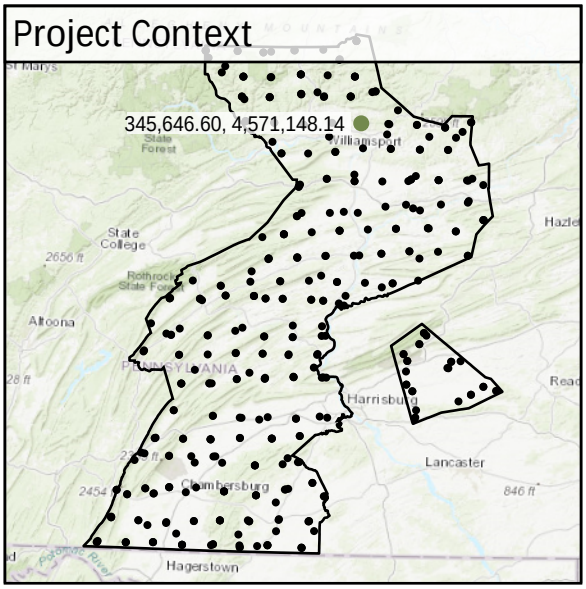
DEM Dz +0.02 m

VVA - FO14

FO15

Known Z	295.81 m	Point Density	4.70 ppsm
DEM Dz	0.05 m	Ground Density	6.30 ppsm
All Points TIN Dz	N/A	Slope	9.24 °

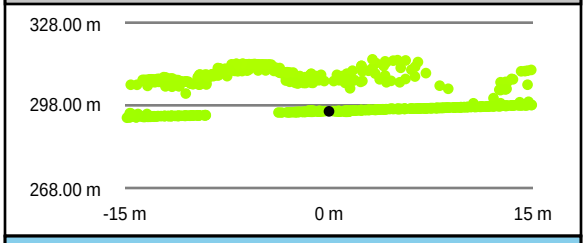
Project Context



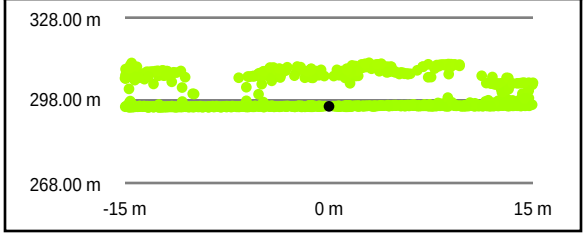
World Imagery



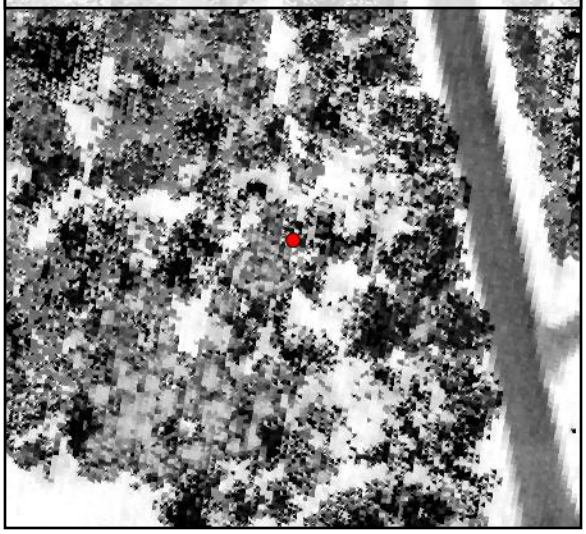
Southwest to Northeast



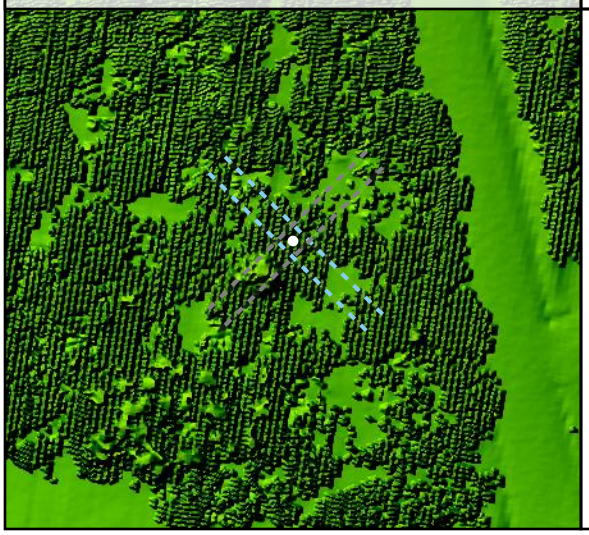
Southeast to Northwest



Intensity Raster



TIN Surface

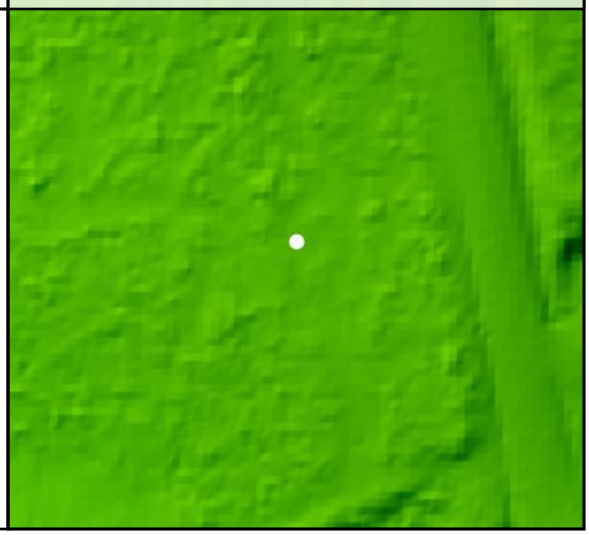


Project Elevation

716.97

103.02

DEM Surface

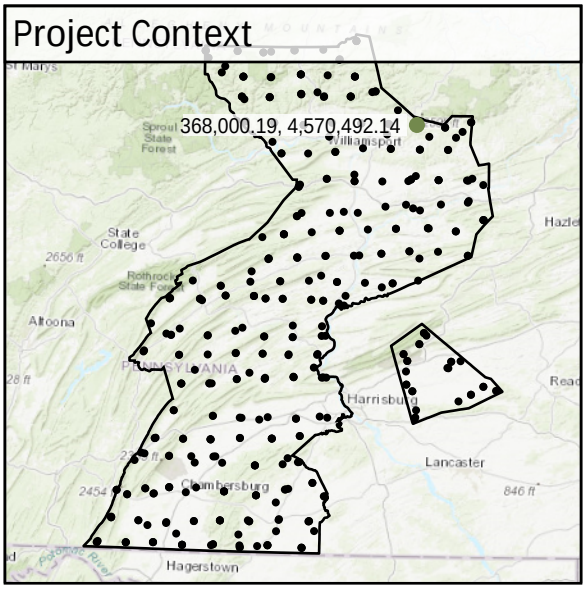


DEM Dz +0.05 m

VVA - FO15

FO16				
	Known Z	363.68 m	Point Density	7.78 ppsm
	DEM Dz	-0.01 m	Ground Density	7.50 ppsm
	All Points TIN Dz	N/A	Slope	5.45 °

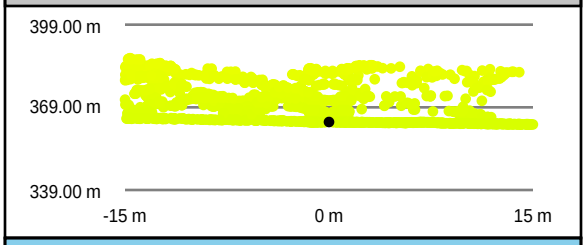
Project Context



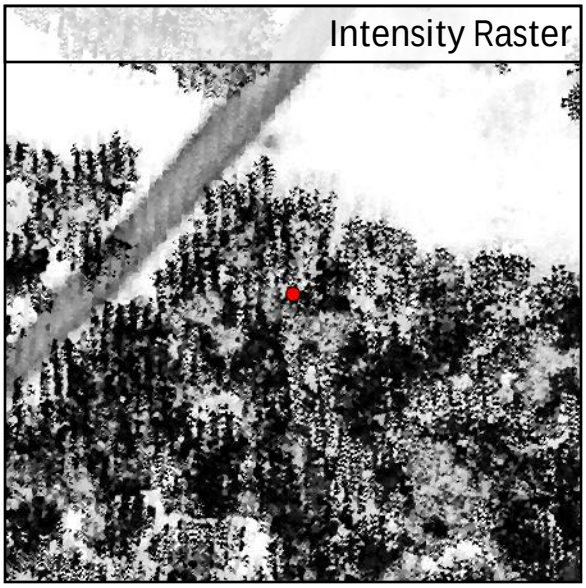
World Imagery



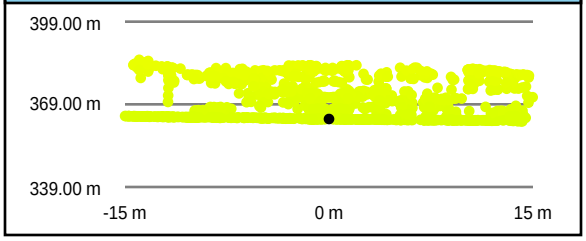
Southwest to Northeast



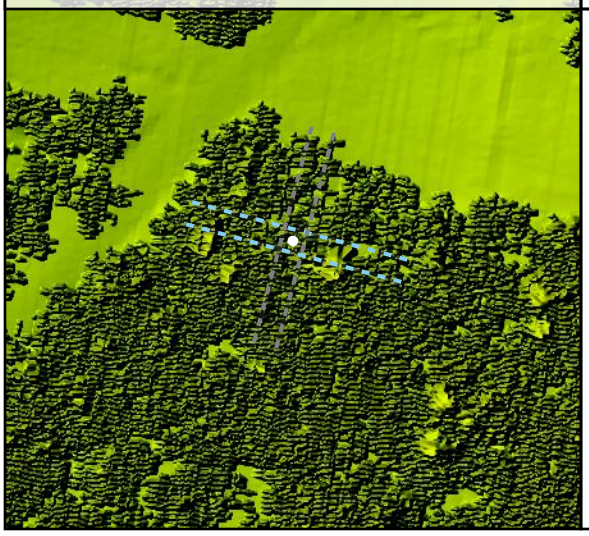
Intensity Raster



Southeast to Northwest



TIN Surface

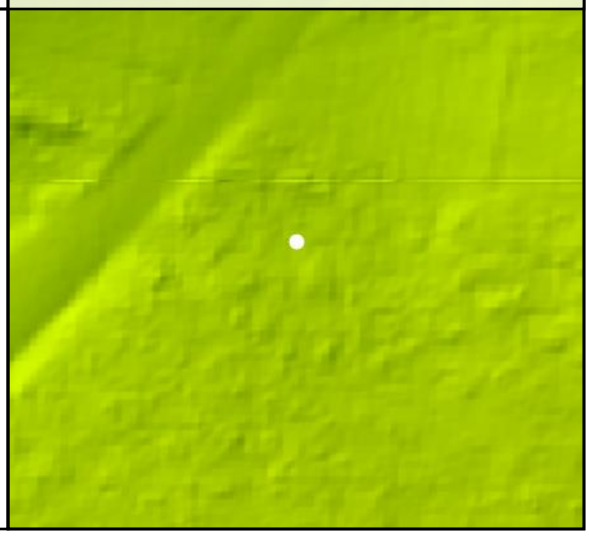


Project Elevation

716.97

103.02

DEM Surface

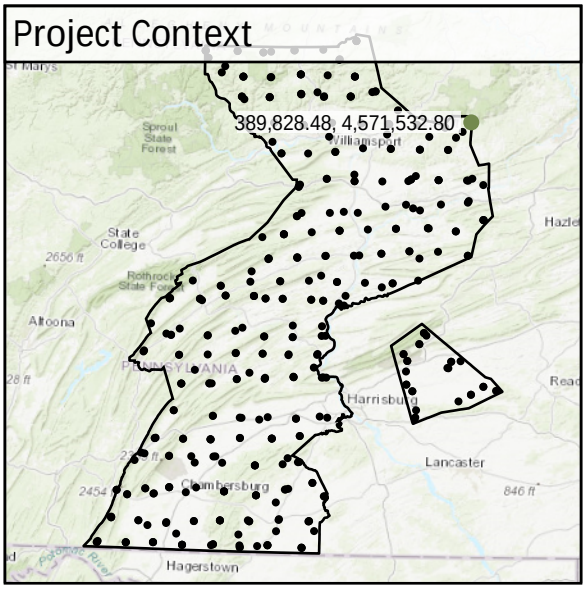


DEM Dz -0.01 m

VVA - FO16

FO17				
	Known Z	361.02 m	Point Density	27.66 ppsm
	DEM Dz	0.02 m	Ground Density	9.55 ppsm
	All Points TIN Dz	N/A	Slope	4.52 °

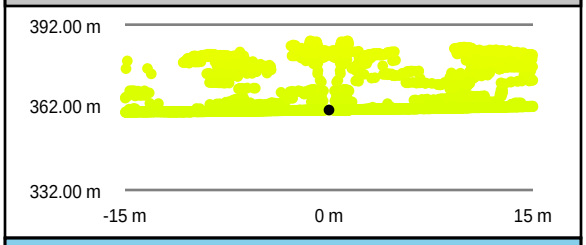
Project Context



World Imagery



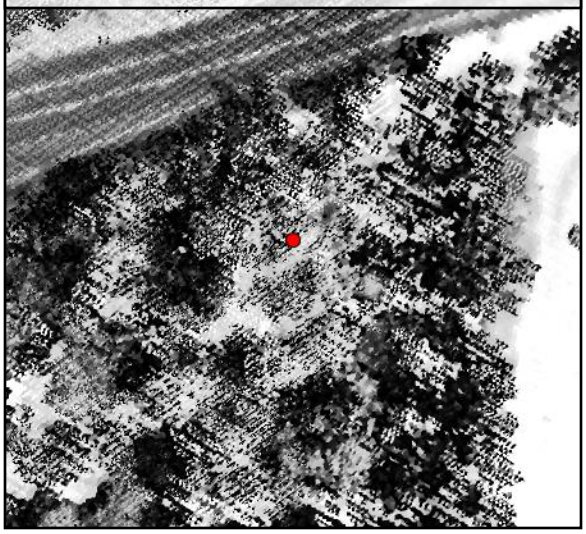
Southwest to Northeast



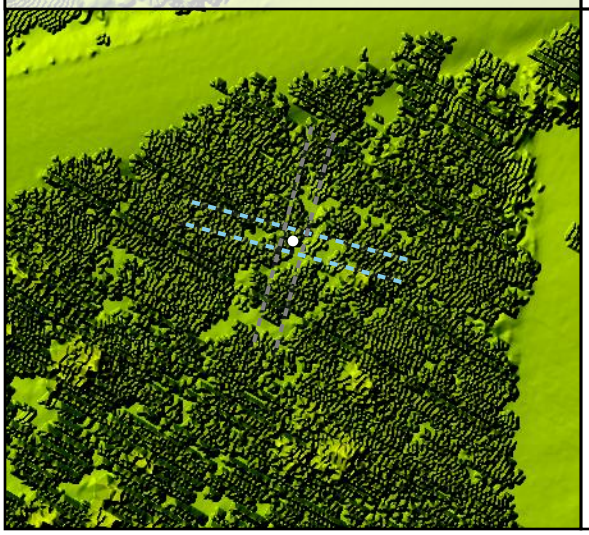
Southeast to Northwest



Intensity Raster



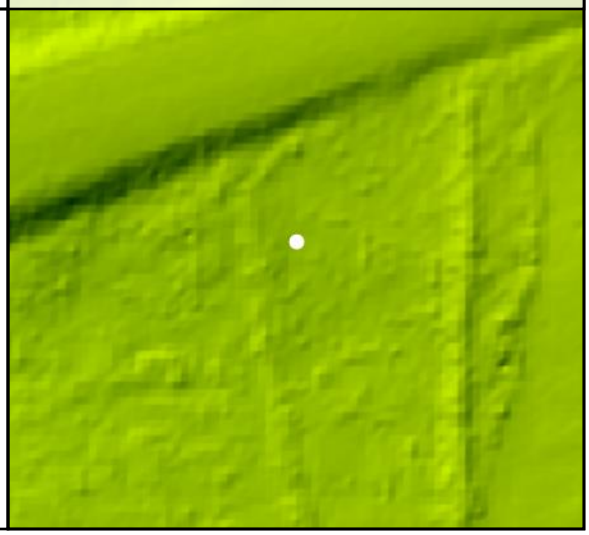
TIN Surface



Project Elevation



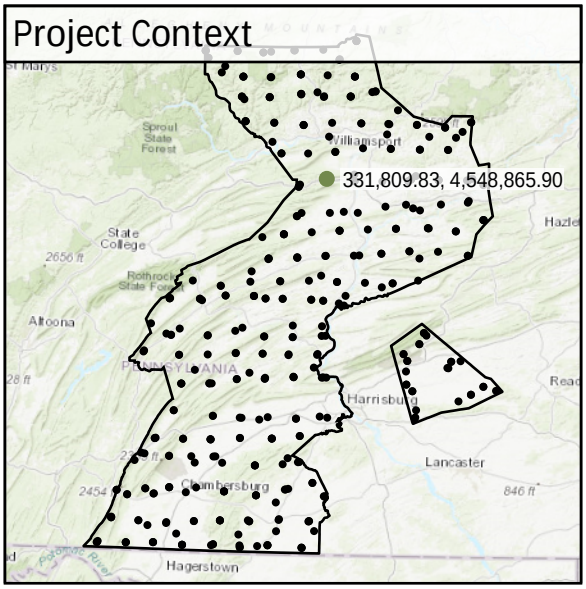
DEM Surface



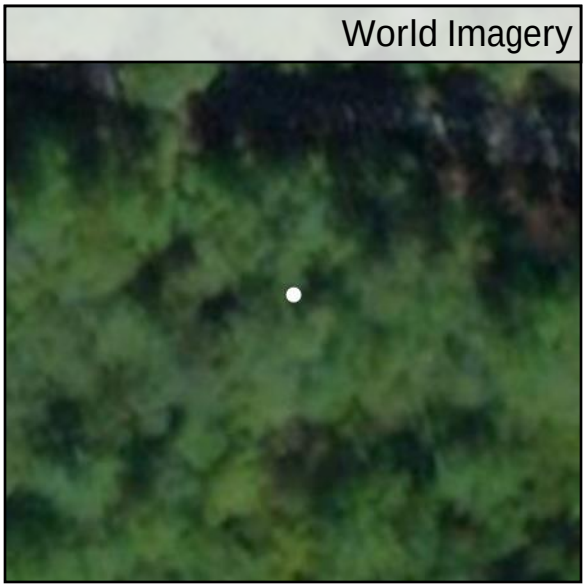
FO18

Known Z	243.99 m	Point Density	7.82 ppsm
DEM Dz	-0.04 m	Ground Density	4.49 ppsm
All Points TIN Dz	N/A	Slope	13.79 °

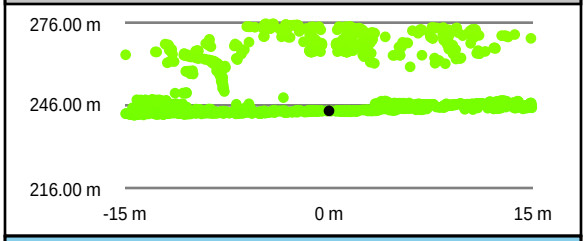
Project Context



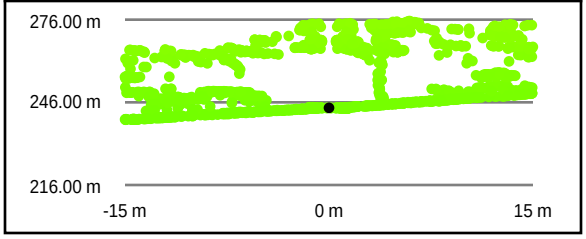
World Imagery



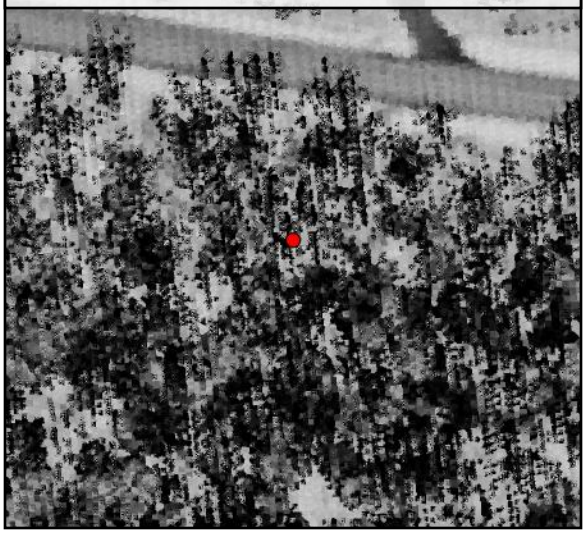
Southeast to Northwest



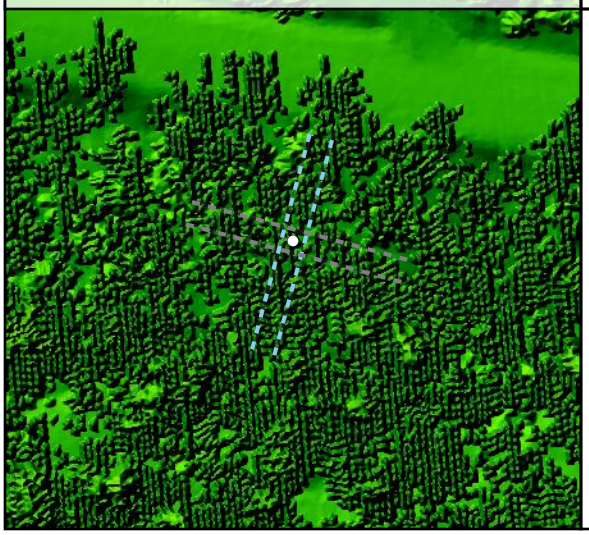
Southwest to Northeast



Intensity Raster



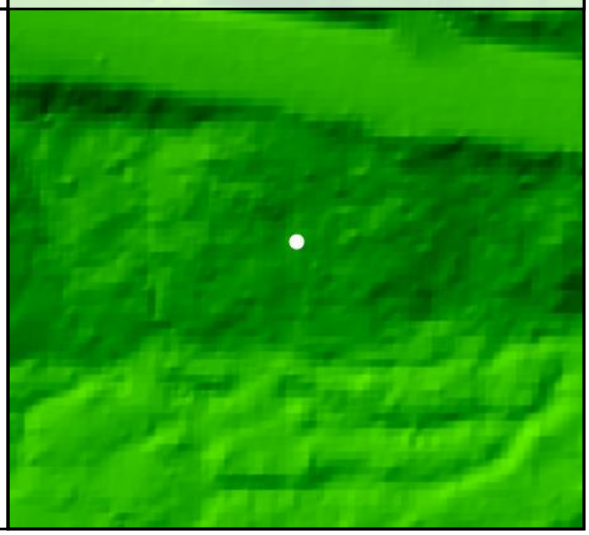
TIN Surface



Project Elevation



DEM Surface

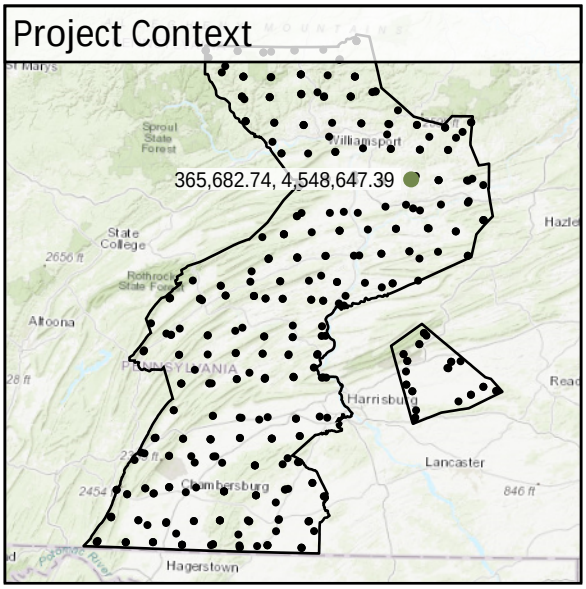


DEM Dz -0.04 m

VVA - FO18

FO19				
	Known Z	169.67 m	Point Density	6.93 ppsm
	DEM Dz	0.03 m	Ground Density	4.85 ppsm
	All Points TIN Dz	N/A	Slope	3.25 °

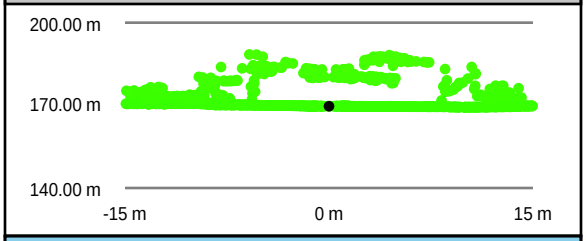
Project Context



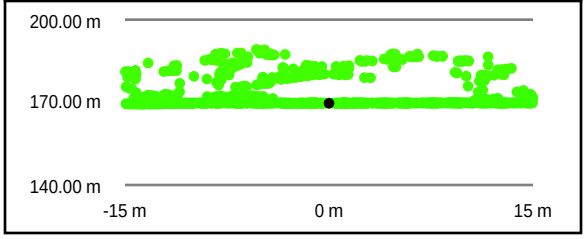
World Imagery



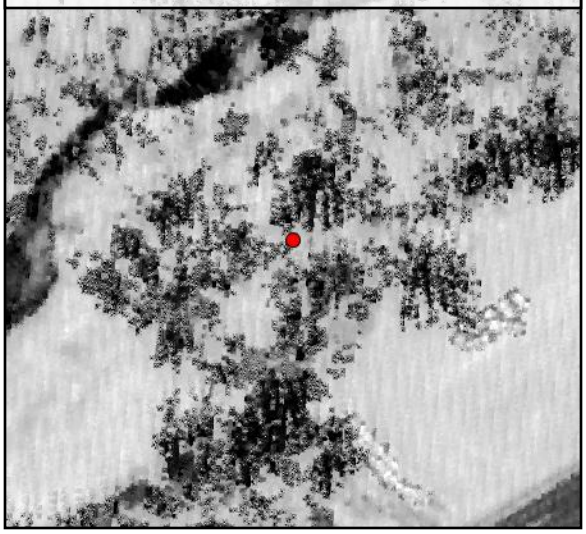
Southeast to Northwest



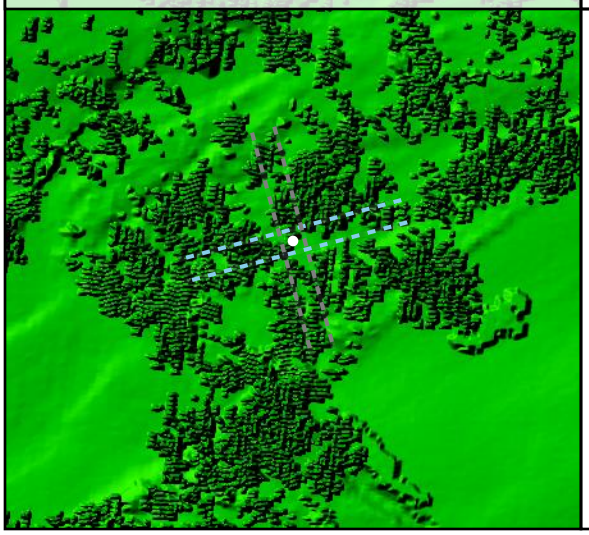
Southwest to Northeast



Intensity Raster



TIN Surface

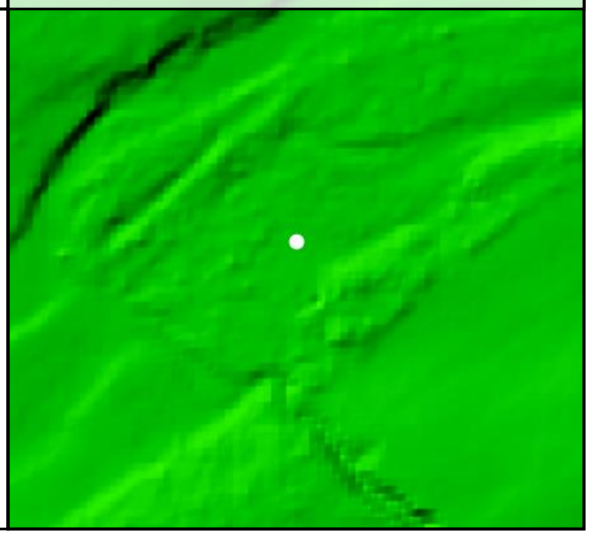


Project Elevation

716.97

103.02

DEM Surface

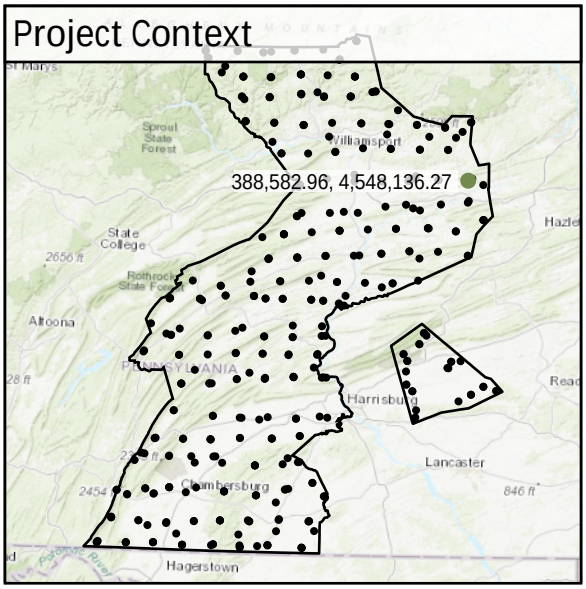


DEM Dz +0.03 m

VVA - FO19

FO20				
	Known Z	287.76 m	Point Density	5.91 ppsm
	DEM Dz	0.05 m	Ground Density	3.61 ppsm
	All Points TIN Dz	N/A	Slope	8.18 °

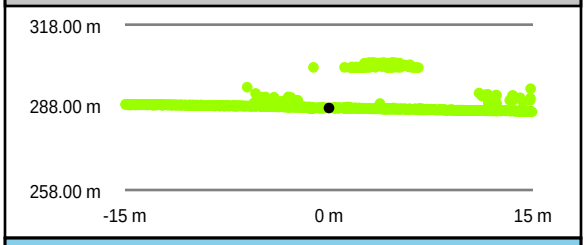
Project Context



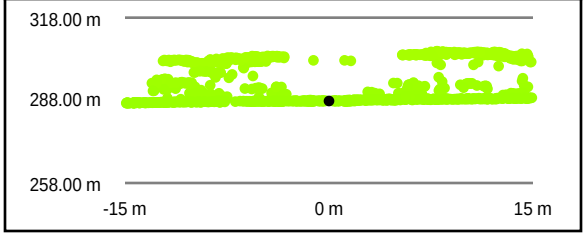
World Imagery



Southeast to Northwest



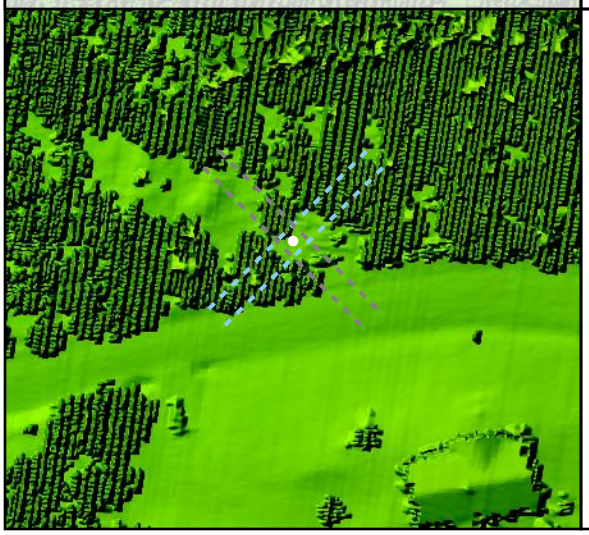
Southwest to Northeast



Intensity Raster



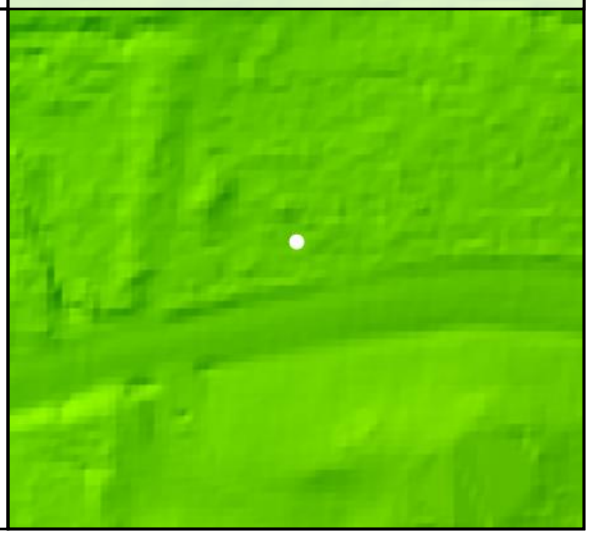
TIN Surface



Project Elevation



DEM Surface



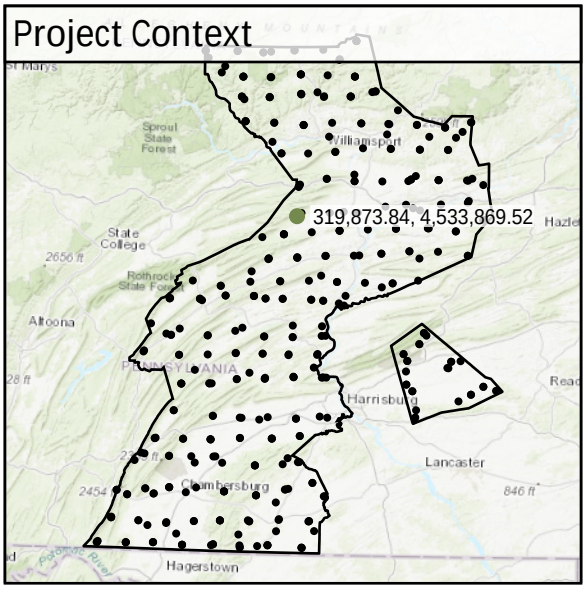
DEM Dz +0.05 m

VVA - FO20

FO21

Known Z	250.10 m	Point Density	4.77 ppsm
DEM Dz	0.07 m	Ground Density	7.85 ppsm
All Points TIN Dz	N/A	Slope	3.84 °

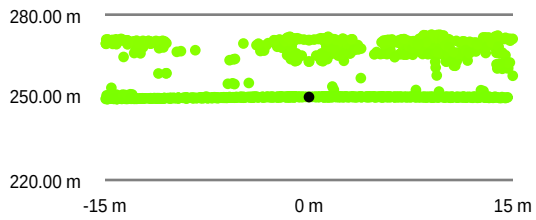
Project Context



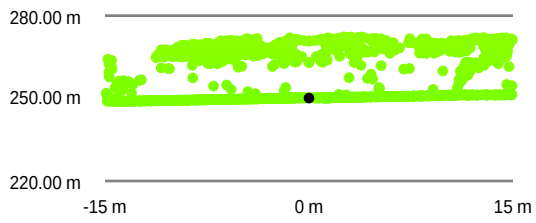
World Imagery



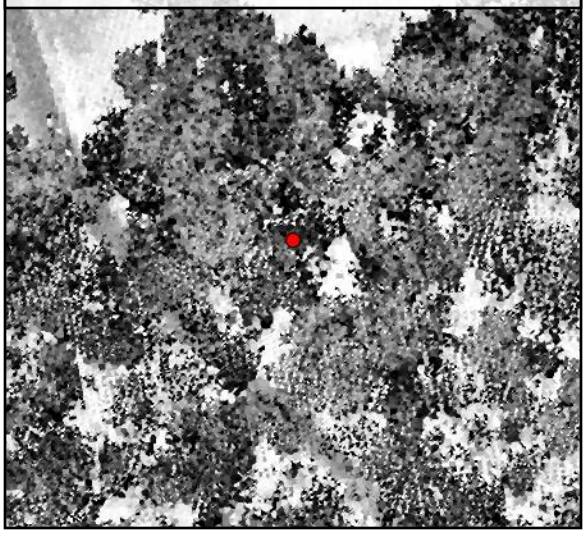
Southeast to Northwest



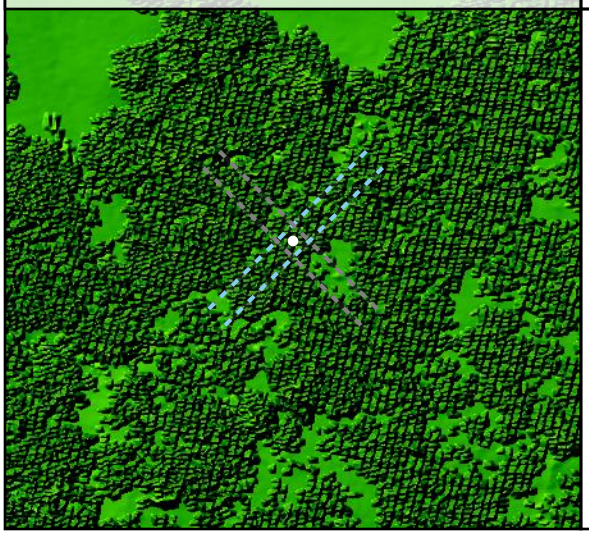
Southwest to Northeast



Intensity Raster



TIN Surface

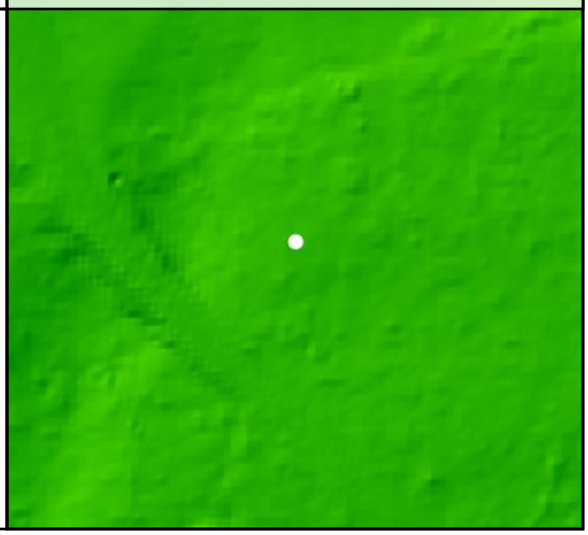


Project Elevation

716.97

103.02

DEM Surface



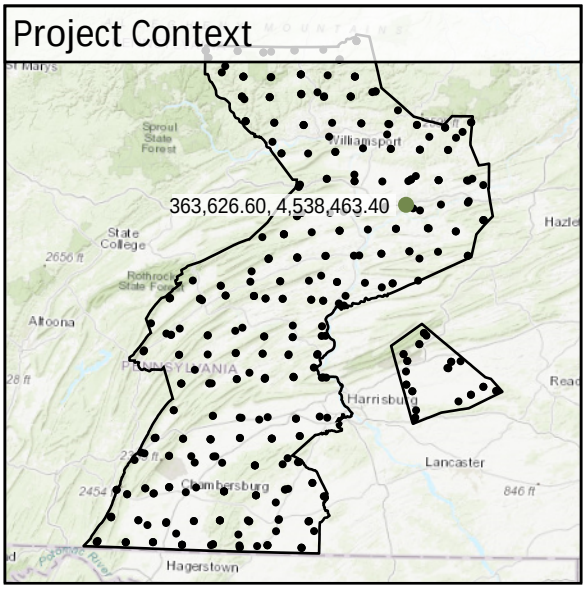
DEM Dz +0.07 m

VVA - FO21

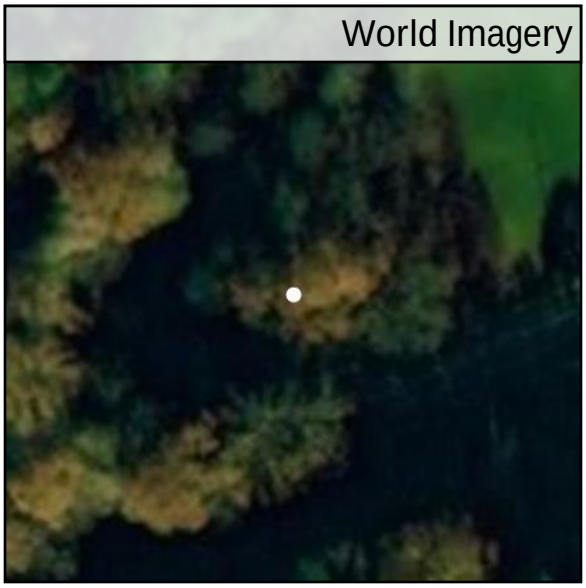
FO22

	Known Z	171.73 m	Point Density	5.27 ppsm
	DEM Dz	0.00 m	Ground Density	3.32 ppsm
	All Points TIN Dz	N/A	Slope	8.18 °

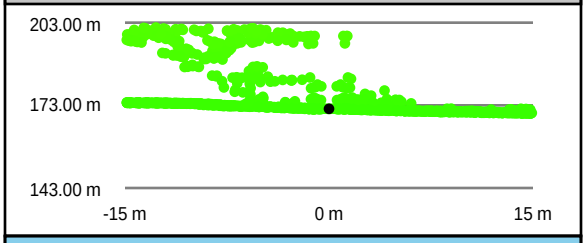
Project Context



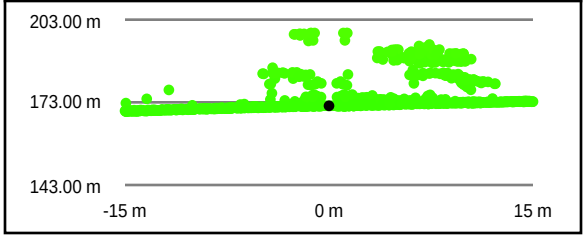
World Imagery



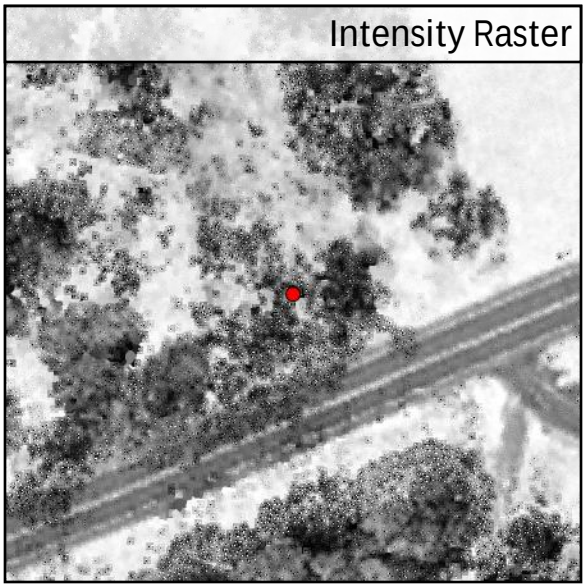
South to North



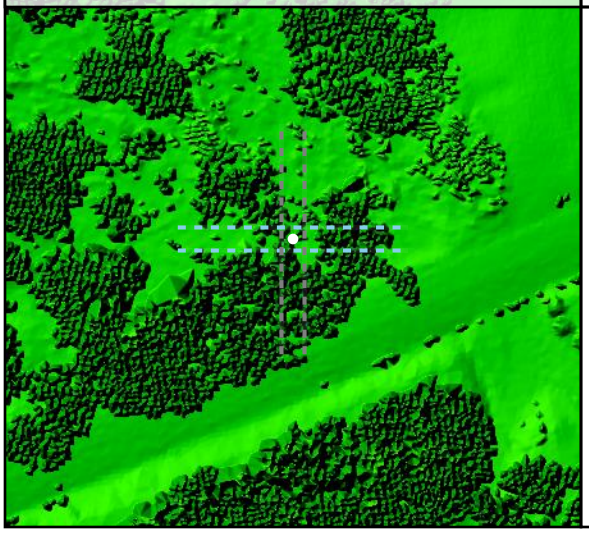
West to East



Intensity Raster



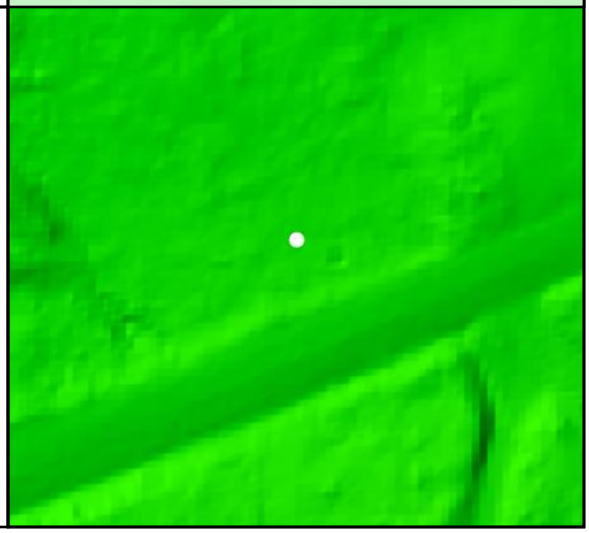
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.00 m

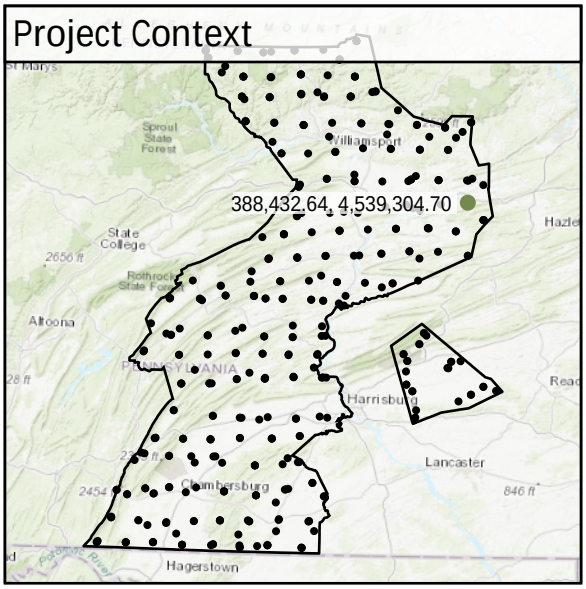
VVA - FO22

FO23				
	Known Z	203.29 m	Point Density	3.57 ppsm
	DEM Dz	0.04 m	Ground Density	5.98 ppsm
	All Points TIN Dz	N/A	Slope	8.64 °

DEM Dz +0.04 m

VVA - FO23

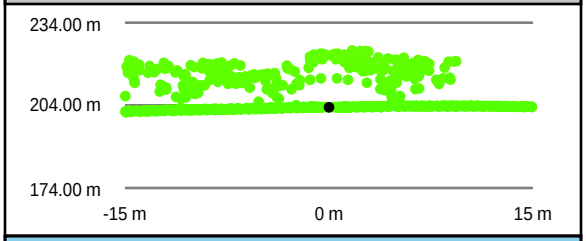
Project Context



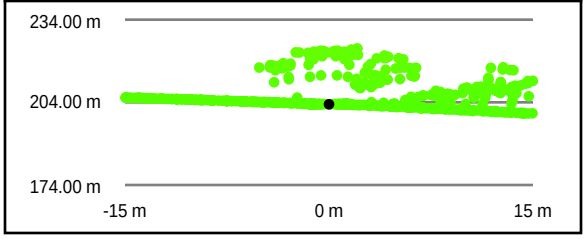
World Imagery



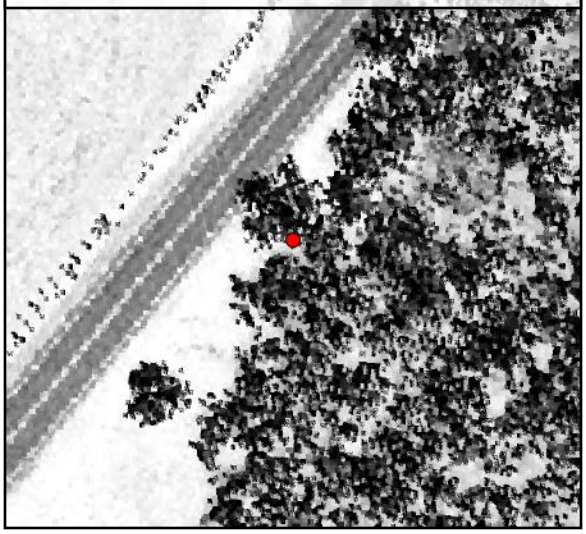
Southeast to Northwest



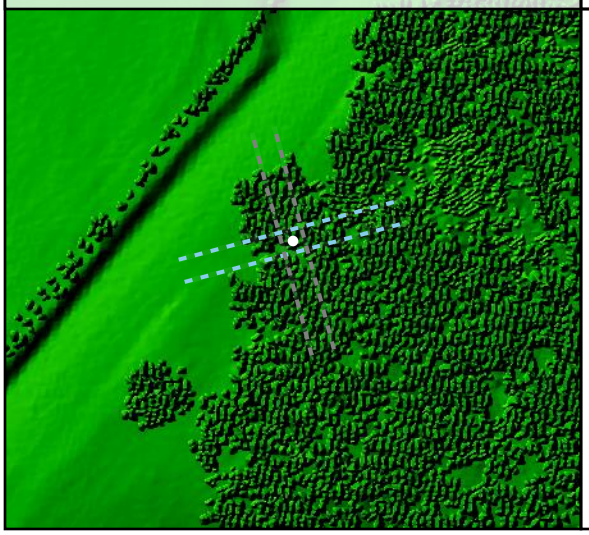
Southwest to Northeast



Intensity Raster



TIN Surface

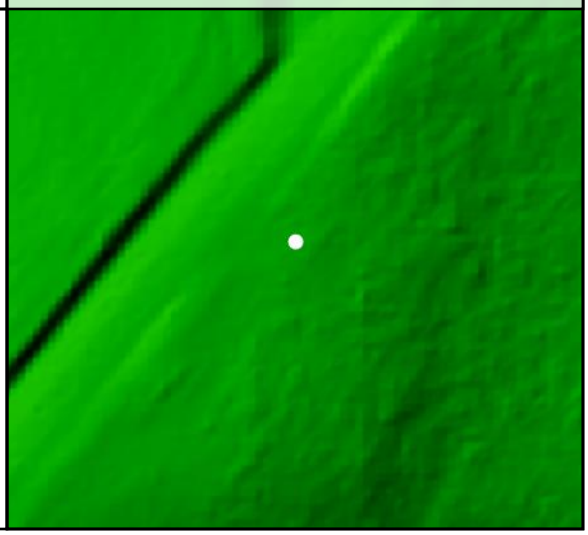


Project Elevation

716.97

103.02

DEM Surface

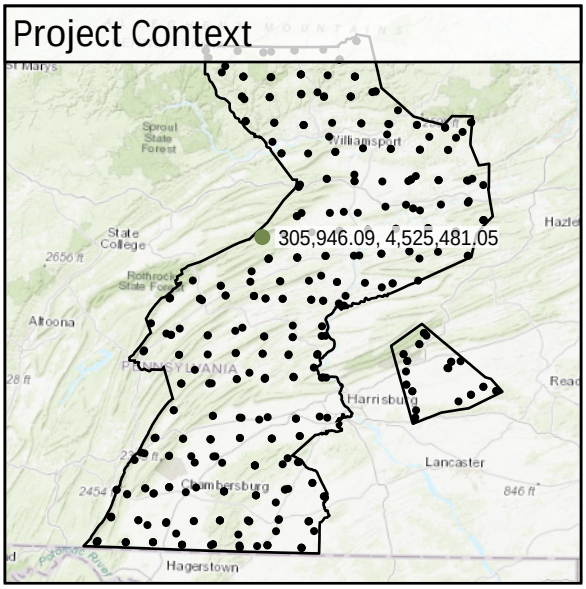


FO24				
	Known Z	245.27 m	Point Density	5.62 ppsm
	DEM Dz	0.03 m	Ground Density	9.55 ppsm
	All Points TIN Dz	N/A	Slope	8.65 °

DEM Dz +0.03 m

VVA - FO24

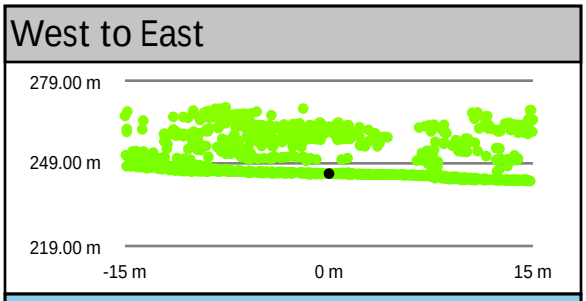
Project Context



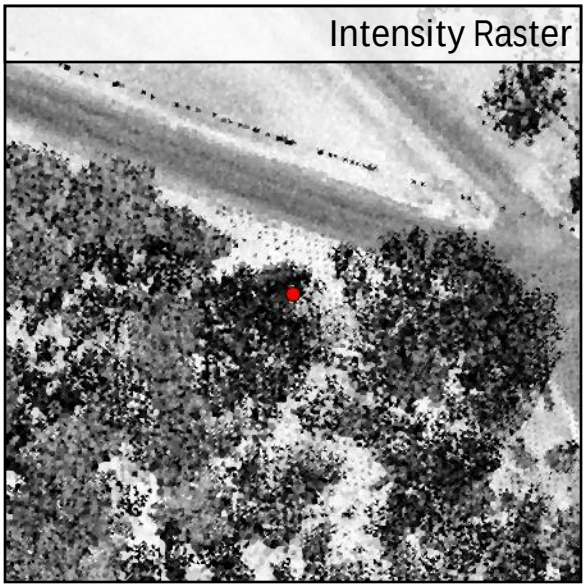
World Imagery



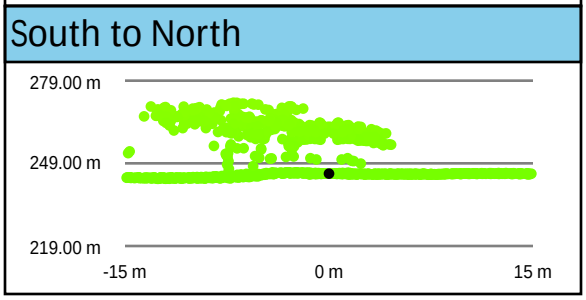
West to East



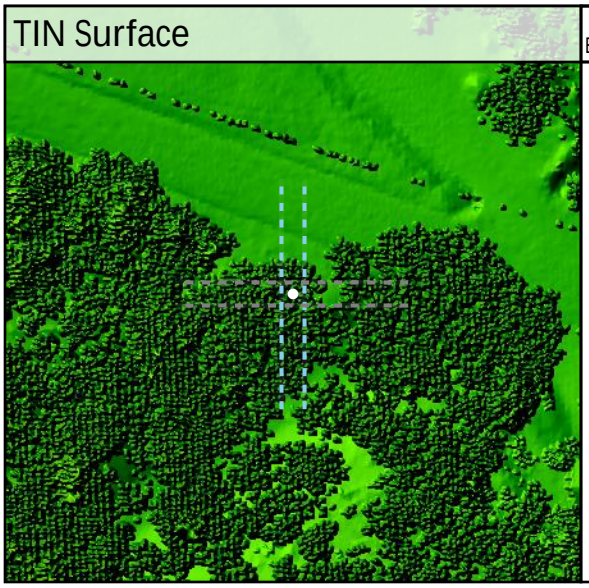
Intensity Raster



South to North



TIN Surface

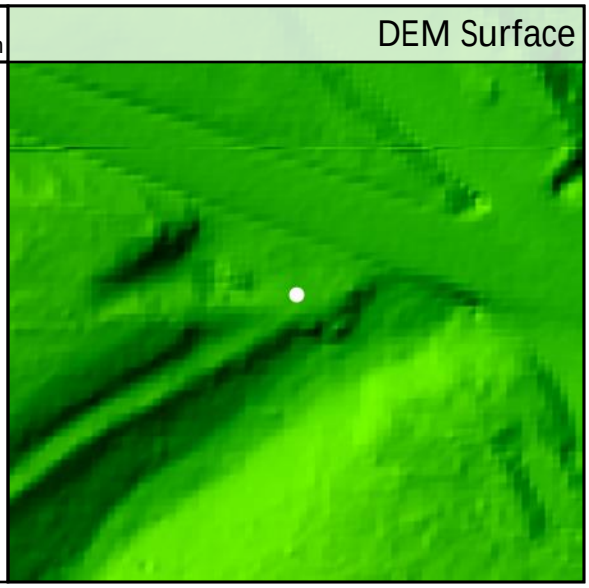


Project Elevation

716.97

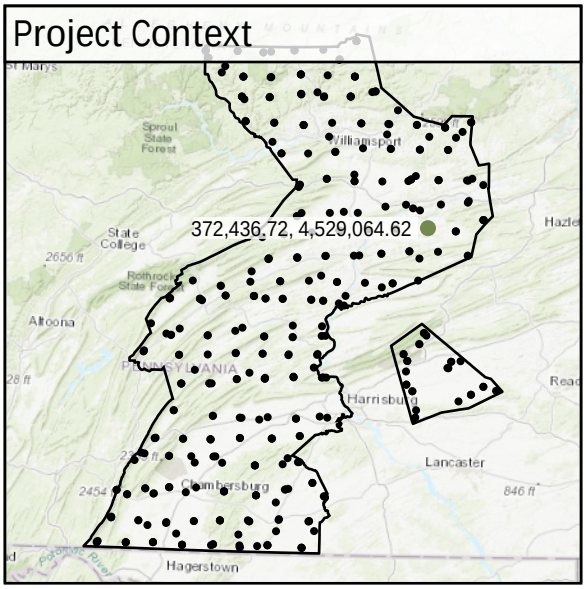
103.02

DEM Surface

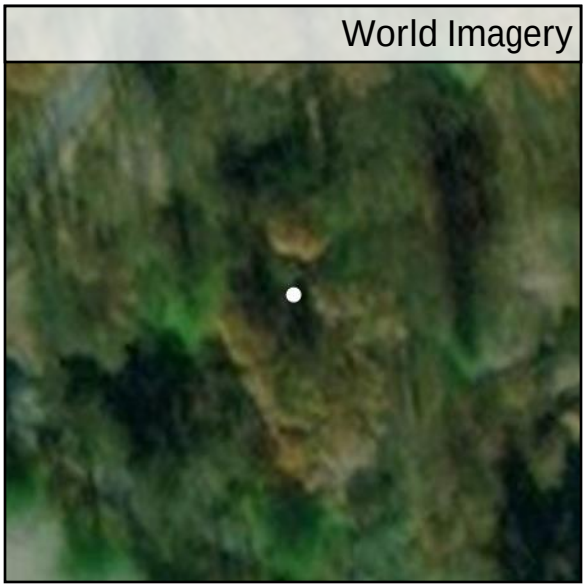


FO25				
	Known Z	200.99 m	Point Density	6.72 ppsm
	DEM Dz	0.05 m	Ground Density	8.45 ppsm
	All Points TIN Dz	N/A	Slope	9.38 °

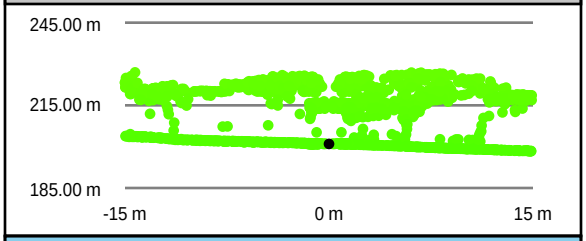
Project Context



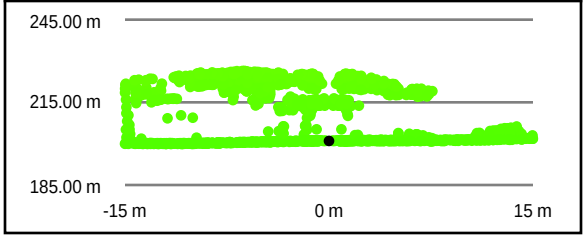
World Imagery



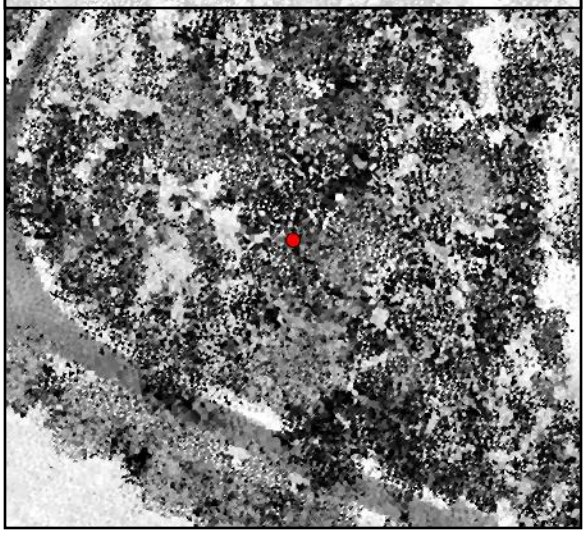
Southwest to Northeast



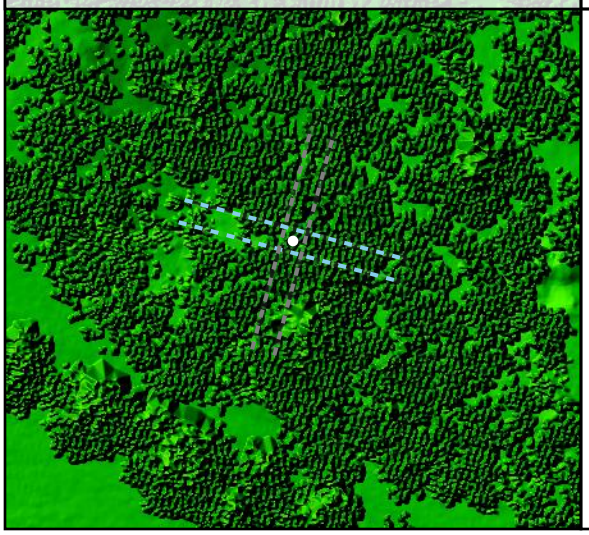
Southeast to Northwest



Intensity Raster



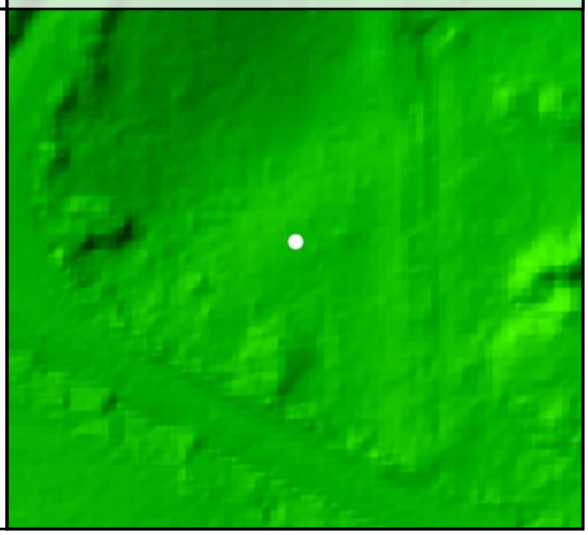
TIN Surface



Project Elevation



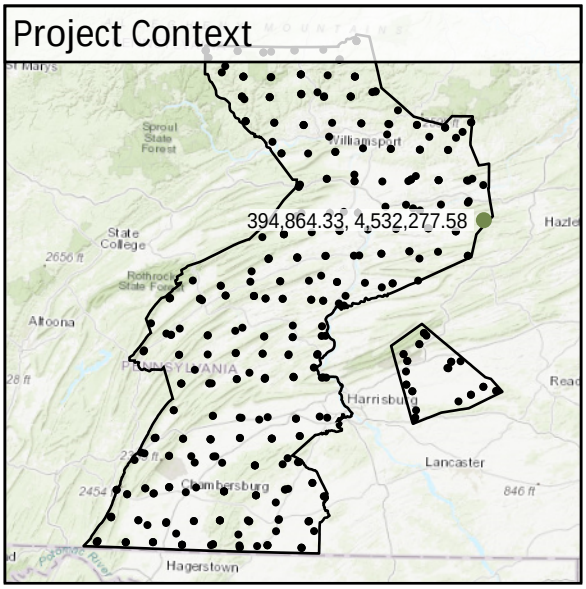
DEM Surface



FO26

Known Z	341.98 m	Point Density	6.22 ppsm
DEM Dz	-0.01 m	Ground Density	4.63 ppsm
All Points TIN Dz	N/A	Slope	4.55 °

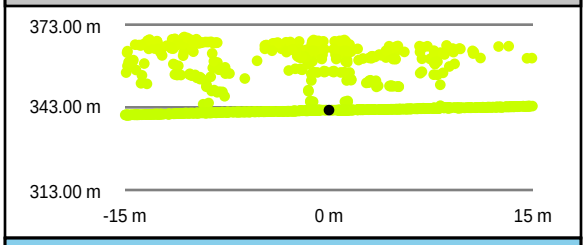
Project Context



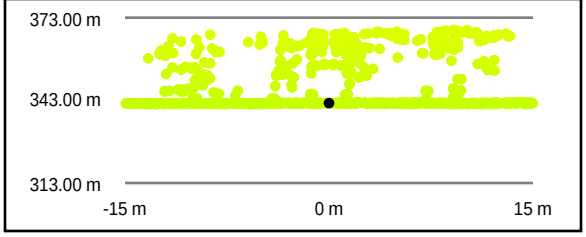
World Imagery



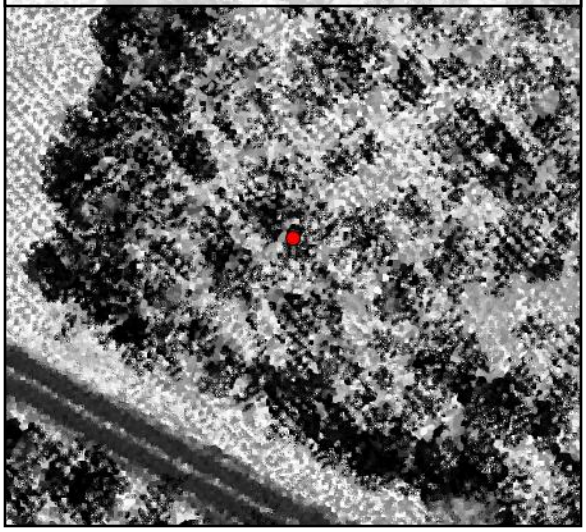
South to North



West to East



Intensity Raster



TIN Surface



Project Elevation



DEM Surface



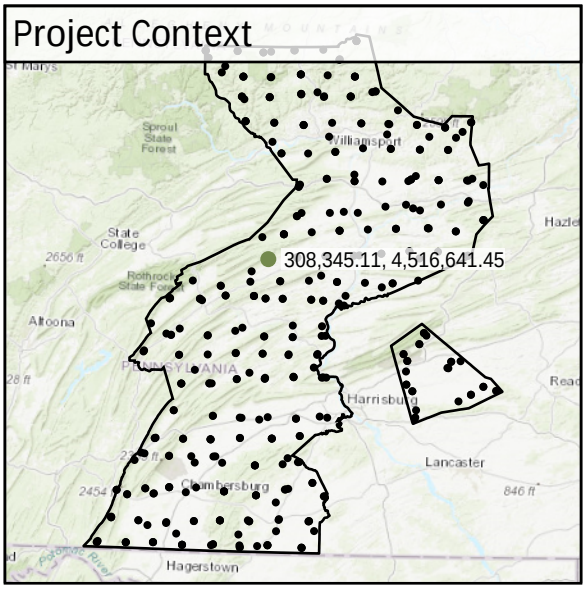
DEM Dz -0.01 m

VVA - FO26

FO27

Known Z	208.74 m	Point Density	2.69 ppsm
DEM Dz	-0.05 m	Ground Density	3.32 ppsm
All Points TIN Dz	N/A	Slope	1.04 °

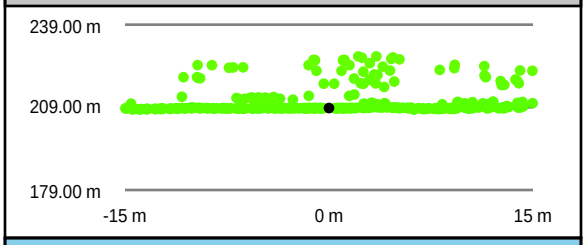
Project Context



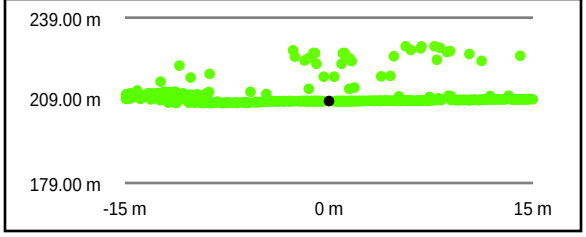
World Imagery



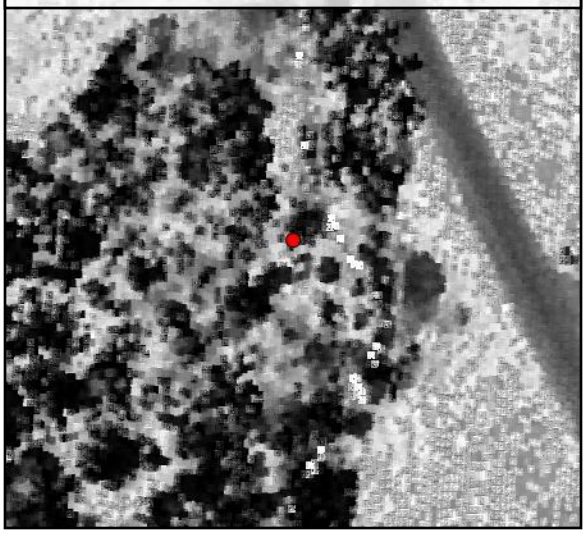
Southwest to Northeast



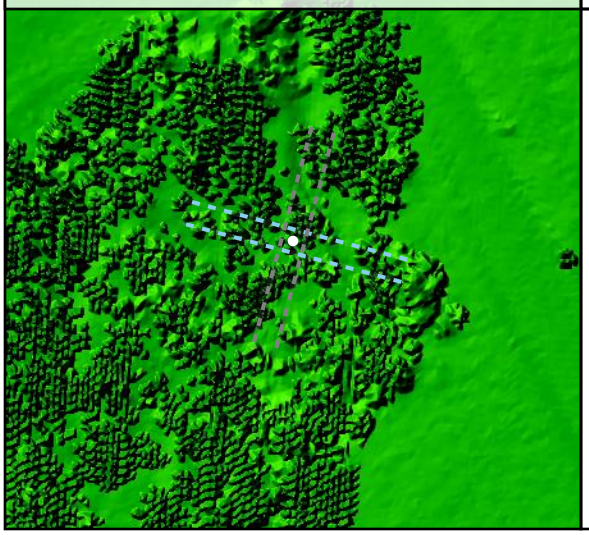
Southeast to Northwest



Intensity Raster



TIN Surface

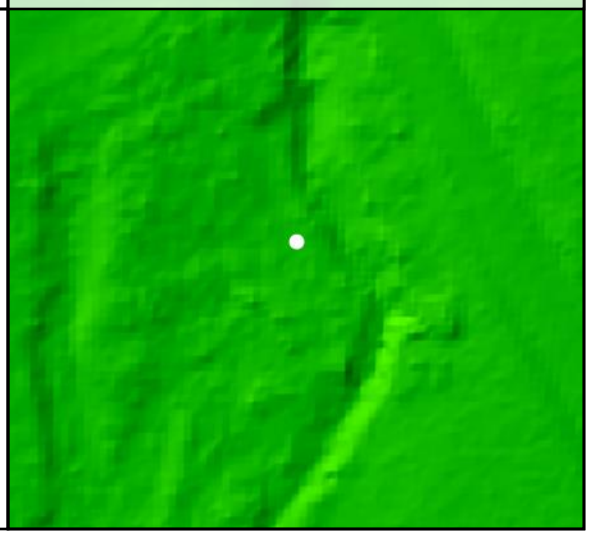


Project Elevation

716.97

103.02

DEM Surface



DEM Dz -0.05 m

VVA - FO27

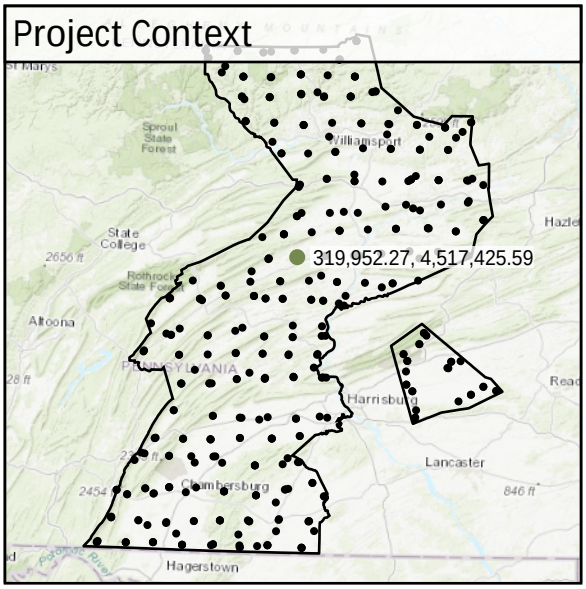
FO28

Known Z	191.52 m	Point Density	2.30 ppsm
DEM Dz	0.08 m	Ground Density	4.07 ppsm
All Points TIN Dz	N/A	Slope	5.57 °

DEM Dz +0.08 m

VVA - FO28

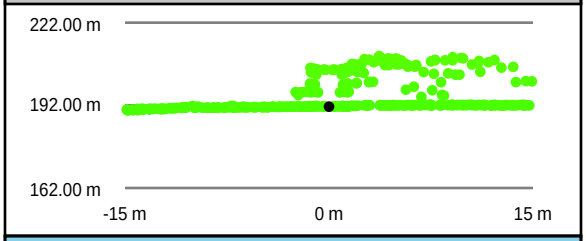
Project Context



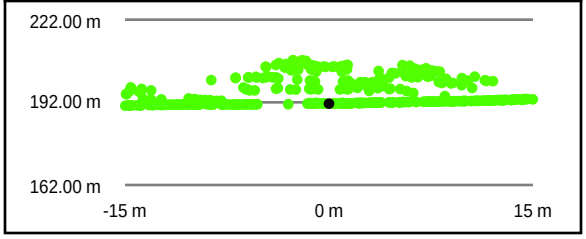
World Imagery



Southeast to Northwest



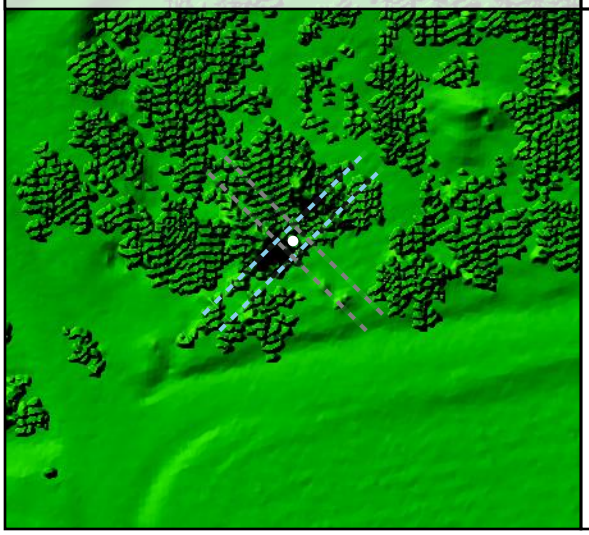
Southwest to Northeast



Intensity Raster



TIN Surface

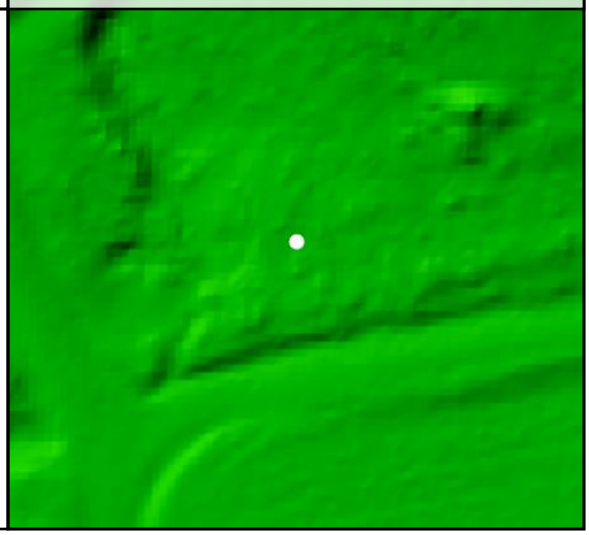


Project Elevation

716.97

103.02

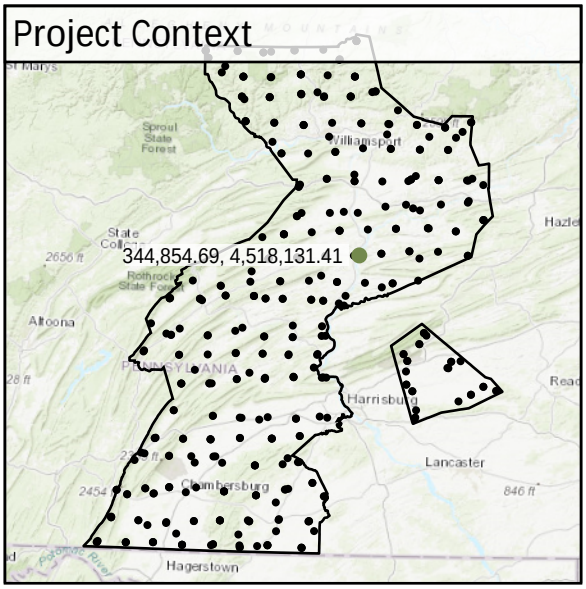
DEM Surface



FO29

Known Z	149.36 m	Point Density	3.75 ppsm
DEM Dz	-0.06 m	Ground Density	2.58 ppsm
All Points TIN Dz	N/A	Slope	4.86 °

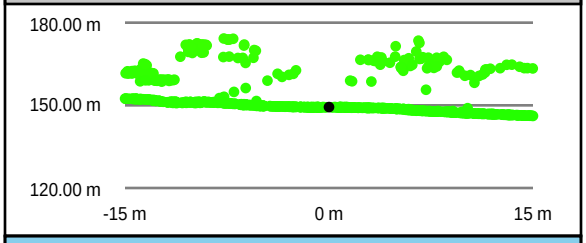
Project Context



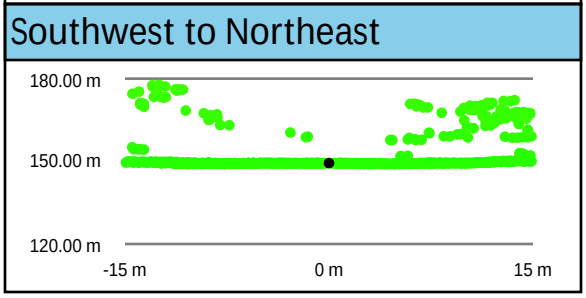
World Imagery



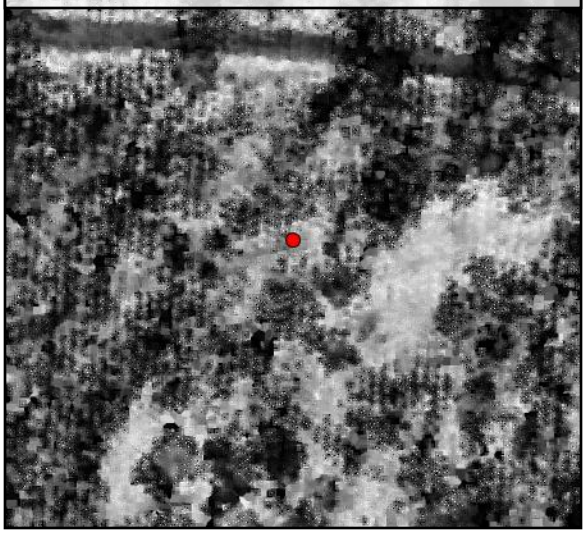
Southeast to Northwest



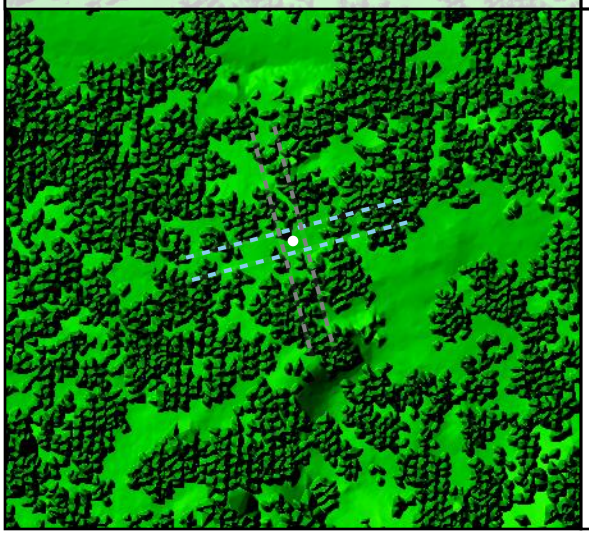
Southwest to Northeast



Intensity Raster



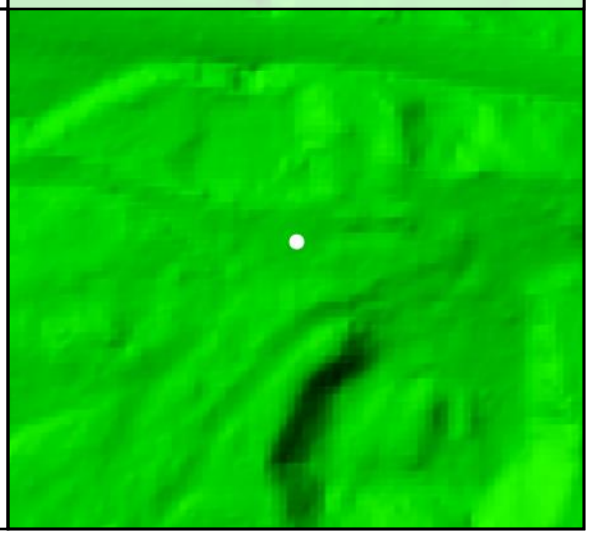
TIN Surface



Project Elevation



DEM Surface

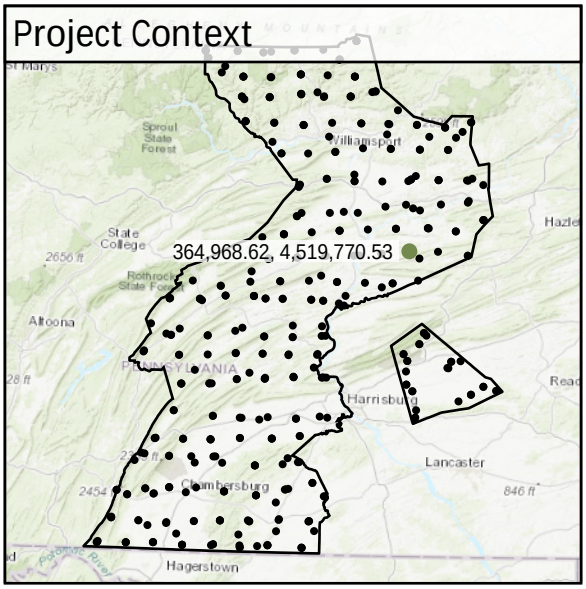


DEM Dz -0.06 m

VVA - FO29

FO30				
	Known Z	203.39 m	Point Density	3.08 ppsm
	DEM Dz	-0.07 m	Ground Density	5.31 ppsm
	All Points TIN Dz	N/A	Slope	17.94 °

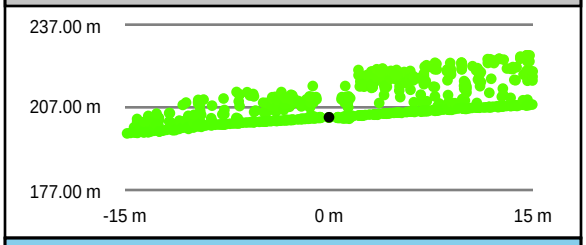
Project Context



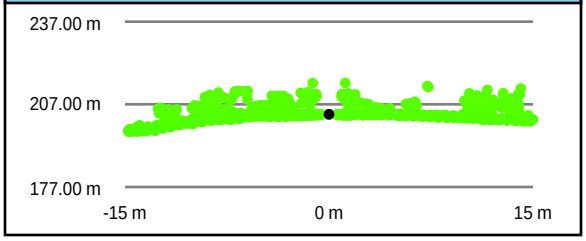
World Imagery



Southeast to Northwest



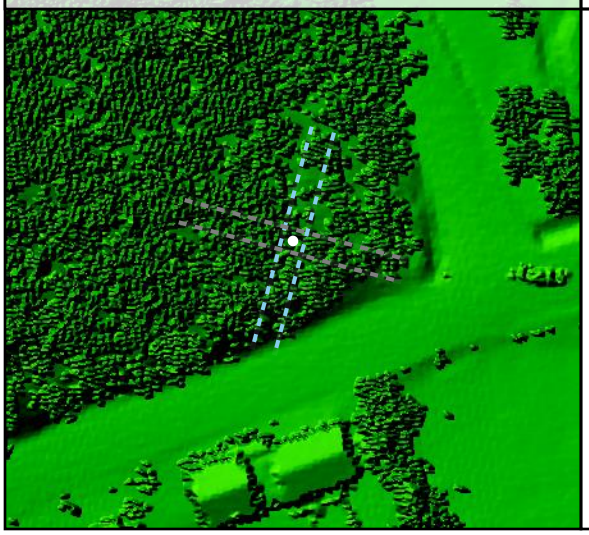
Southwest to Northeast



Intensity Raster



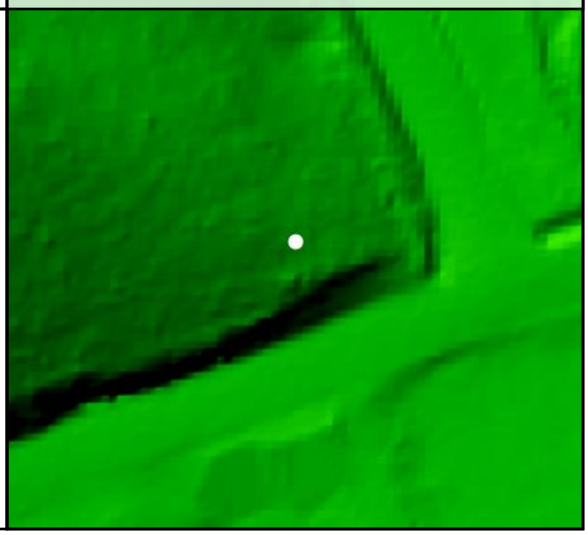
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.07 m

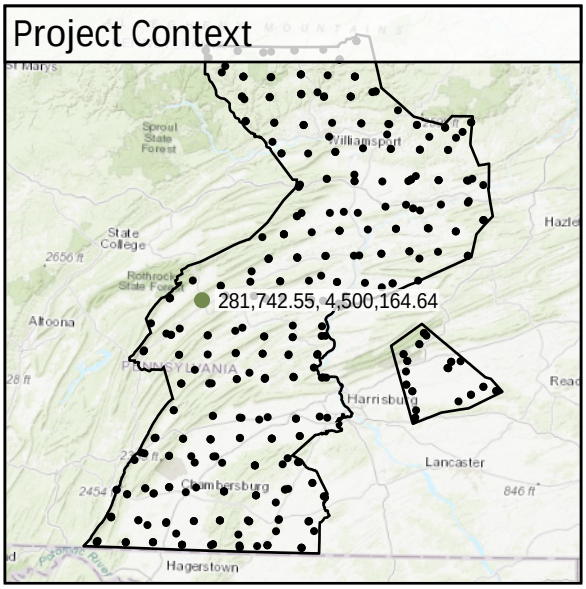
VVA - FO30

FO31				
	Known Z	194.44 m	Point Density	4.77 ppsm
	DEM Dz	0.20 m	Ground Density	2.90 ppsm
	All Points TIN Dz	N/A	Slope	7.48 °

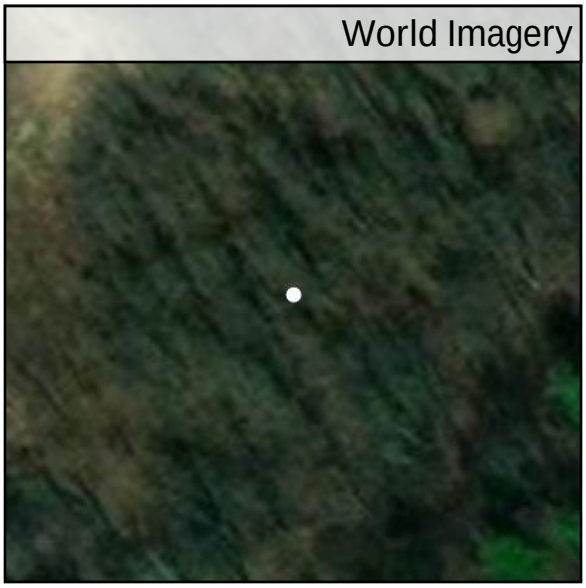
DEM Dz +0.20 m

VVA - FO31

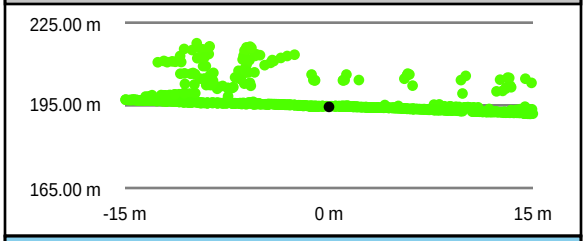
Project Context



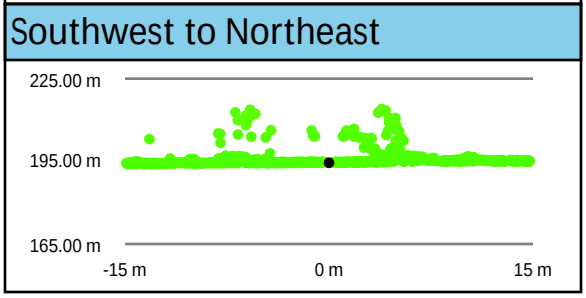
World Imagery



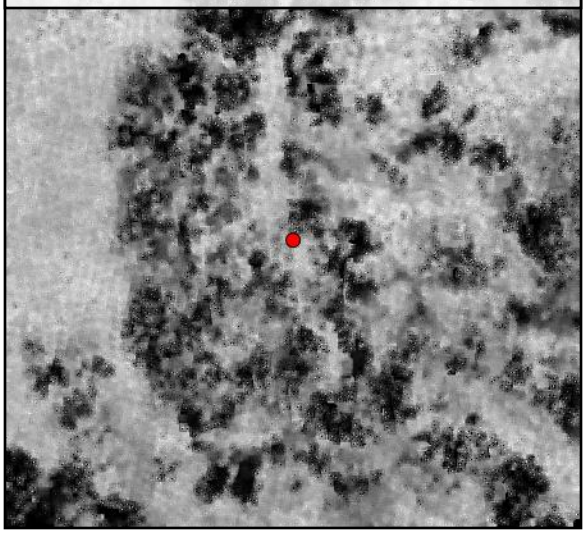
Southeast to Northwest



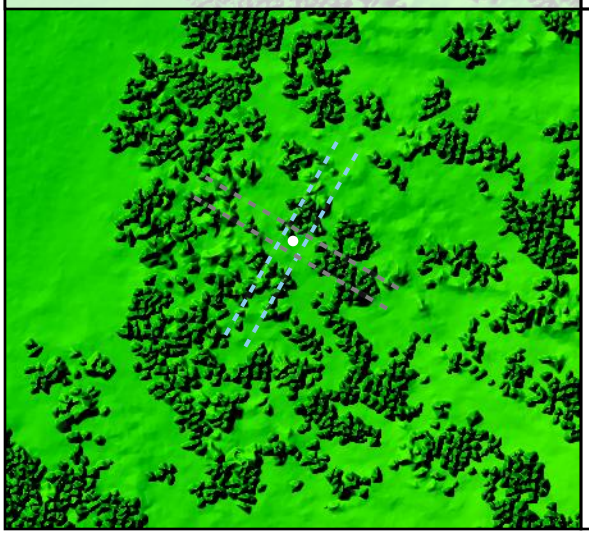
Southwest to Northeast



Intensity Raster



TIN Surface

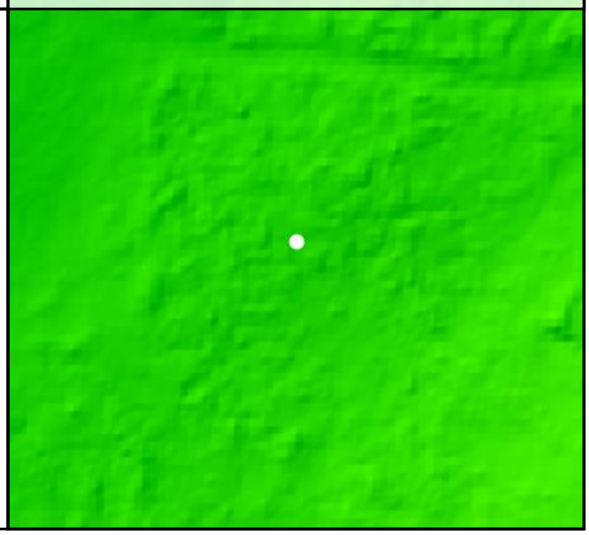


Project Elevation

716.97

103.02

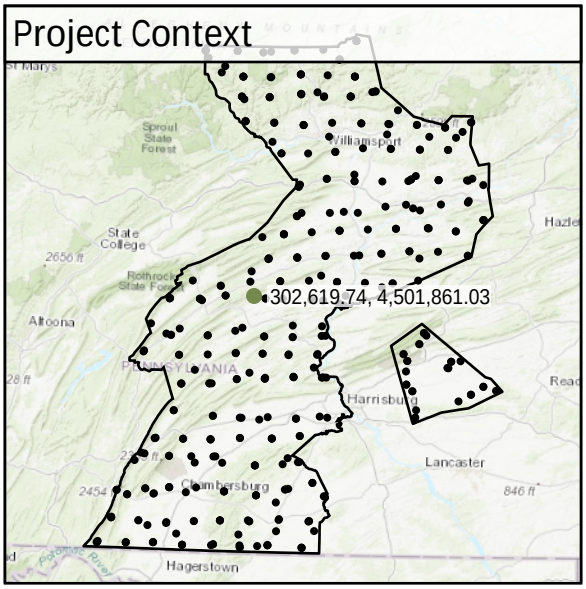
DEM Surface



FO32

Known Z	228.80 m	Point Density	6.72 ppsm
DEM Dz	0.04 m	Ground Density	3.22 ppsm
All Points TIN Dz	N/A	Slope	5.33 °

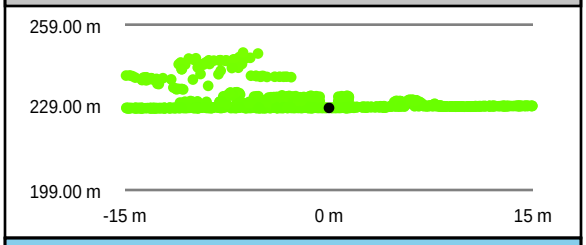
Project Context



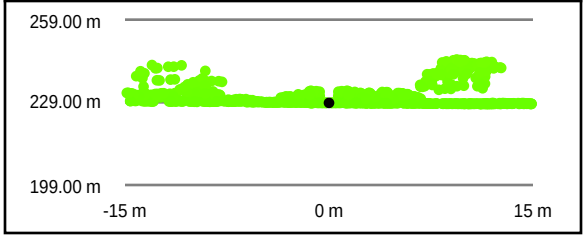
World Imagery



Southeast to Northwest



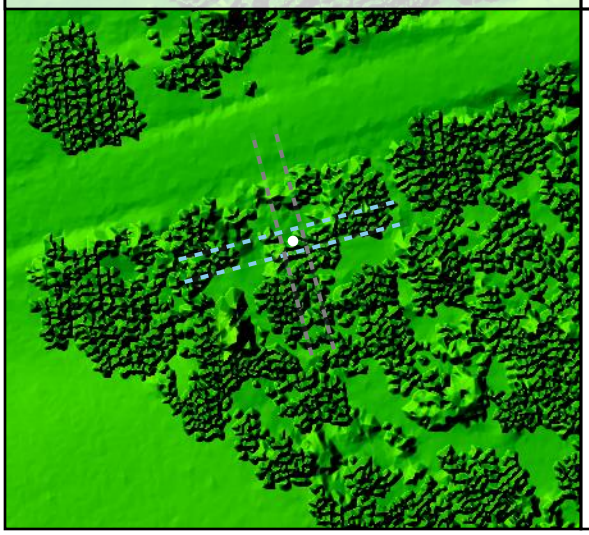
Southwest to Northeast



Intensity Raster



TIN Surface

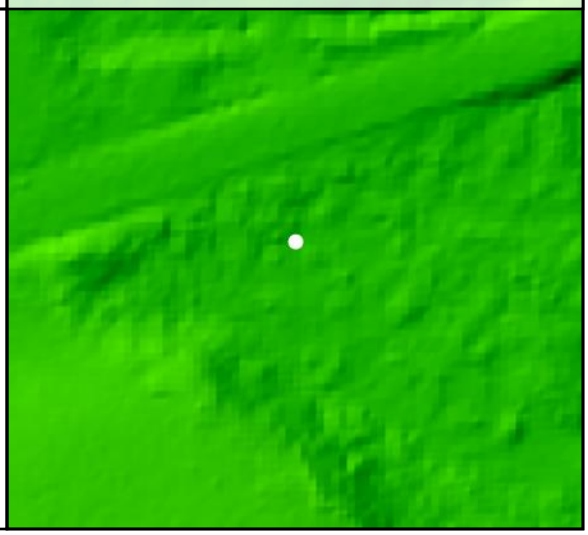


Project Elevation

716.97

103.02

DEM Surface

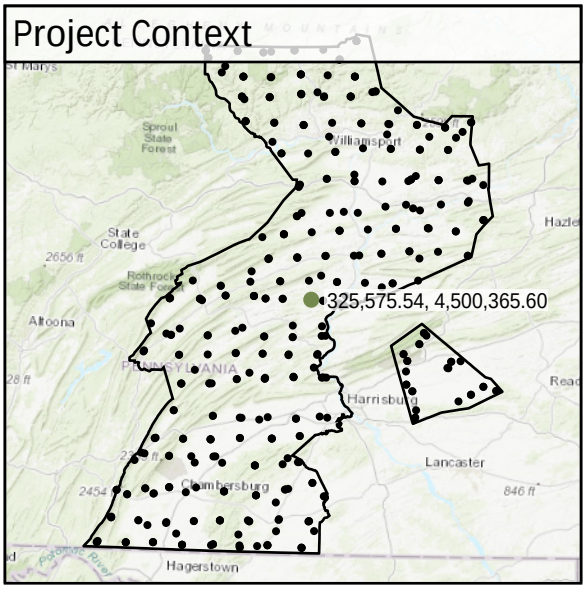


DEM Dz +0.04 m

VVA - FO32

FO33				
	Known Z	189.39 m	Point Density	5.02 ppsm
	DEM Dz	0.14 m	Ground Density	4.17 ppsm
	All Points TIN Dz	N/A	Slope	21.68 °

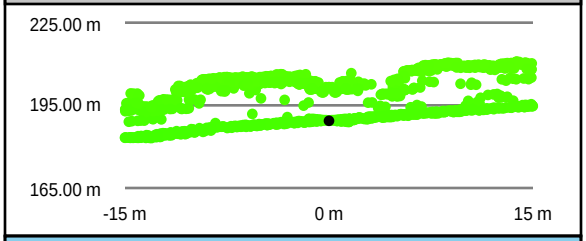
Project Context



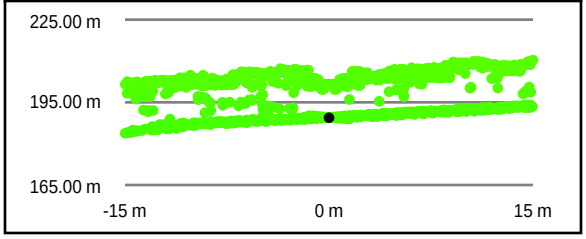
World Imagery



Southwest to Northeast



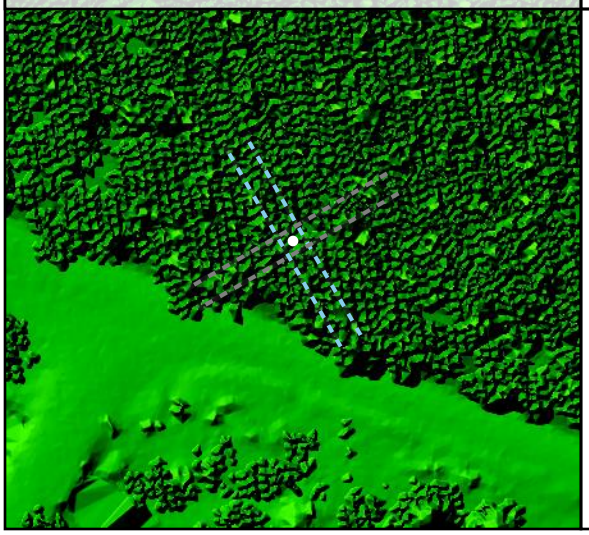
Southeast to Northwest



Intensity Raster



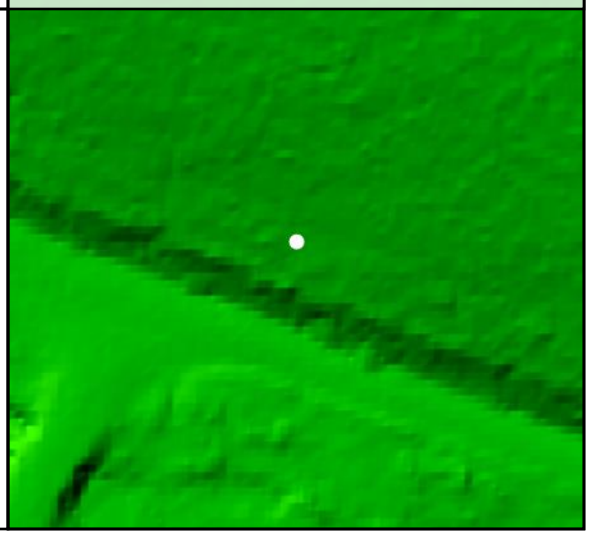
TIN Surface



Project Elevation

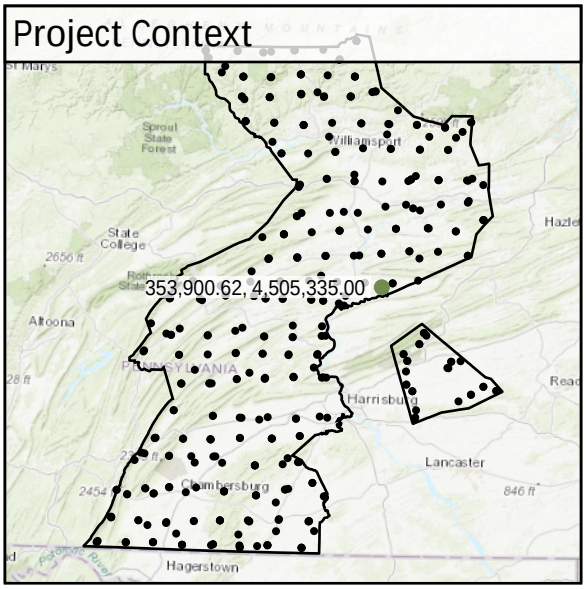


DEM Surface

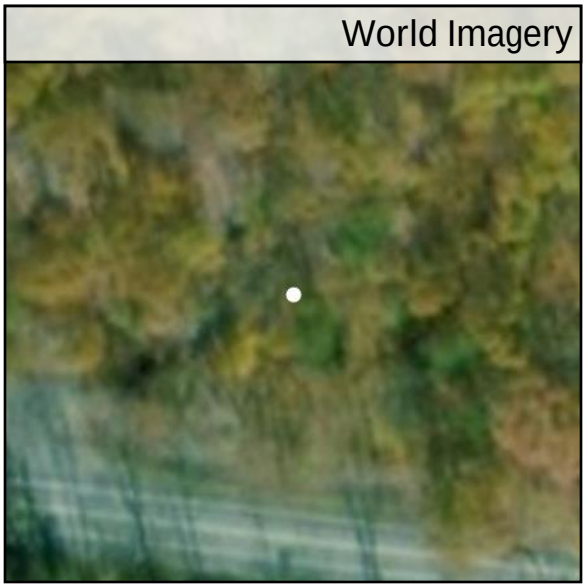


FO34				
	Known Z	277.81 m	Point Density	5.84 ppsm
	DEM Dz	-0.16 m	Ground Density	3.89 ppsm
	All Points TIN Dz	N/A	Slope	9.17 °

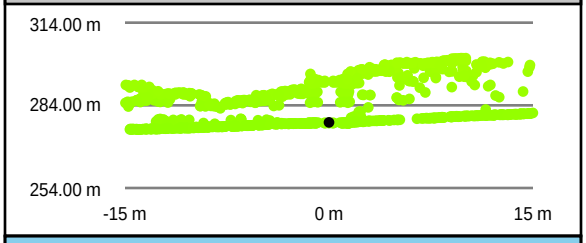
Project Context



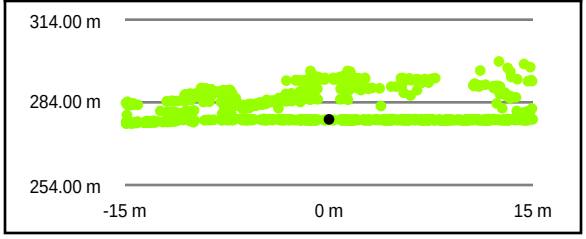
World Imagery



South to North



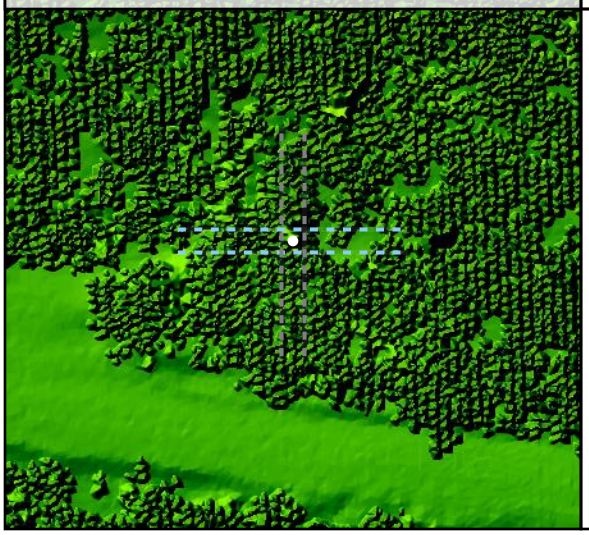
West to East



Intensity Raster



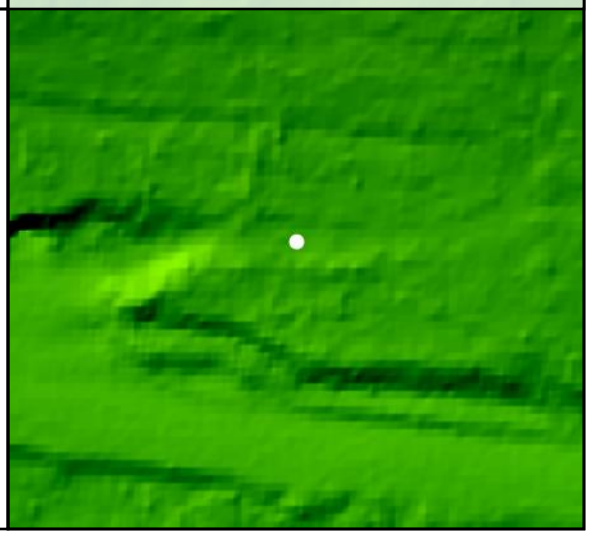
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.16 m

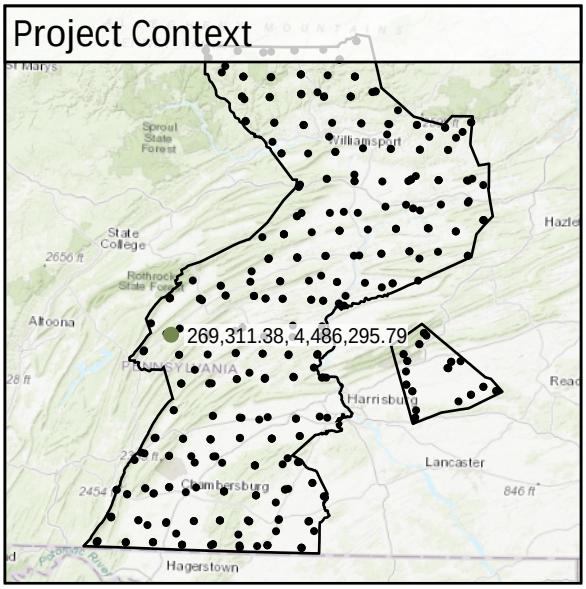
VVA - FO34

FO35				
	Known Z	214.61 m	Point Density	5.73 ppsm
	DEM Dz	0.20 m	Ground Density	4.70 ppsm
	All Points TIN Dz	N/A	Slope	4.00 °

DEM Dz +0.20 m

VVA - FO35

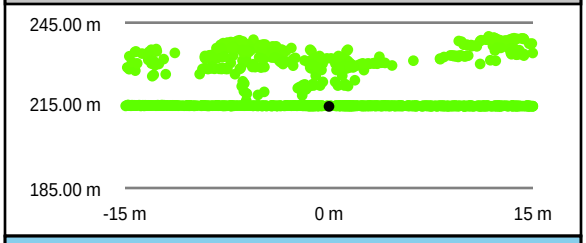
Project Context



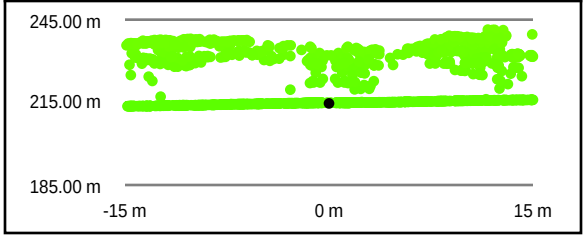
World Imagery



South to North



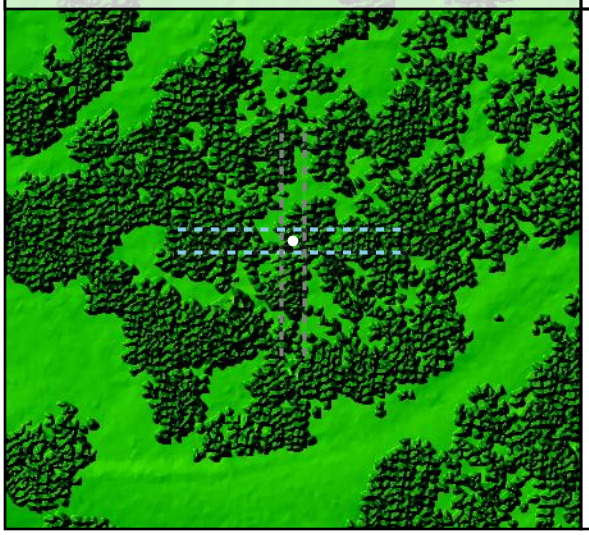
West to East



Intensity Raster



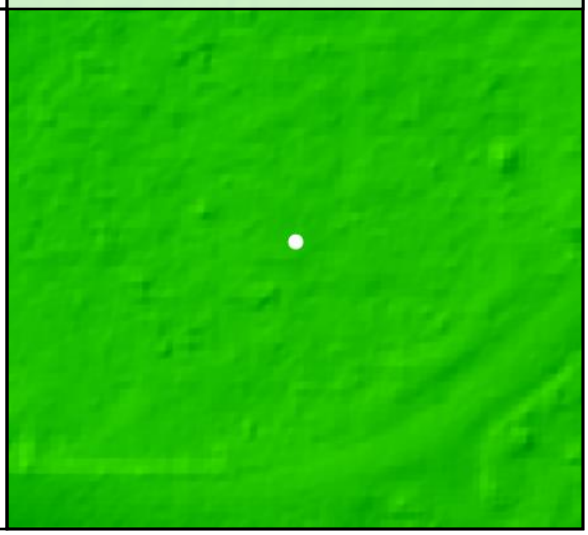
TIN Surface



Project Elevation



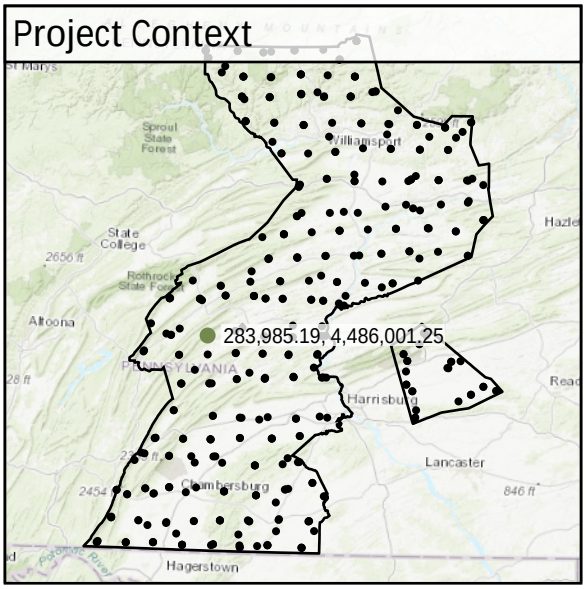
DEM Surface



FO36

Known Z	217.24 m	Point Density	2.65 ppsm
DEM Dz	0.18 m	Ground Density	4.00 ppsm
All Points TIN Dz	N/A	Slope	5.89 °

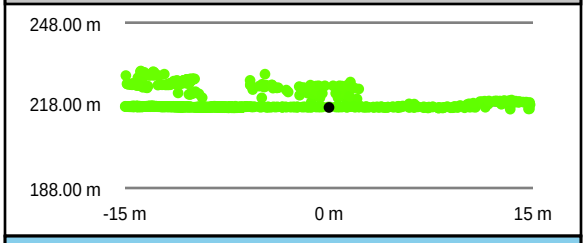
Project Context



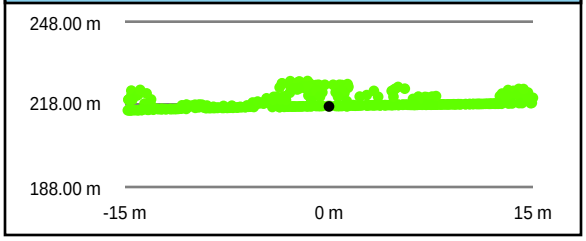
World Imagery



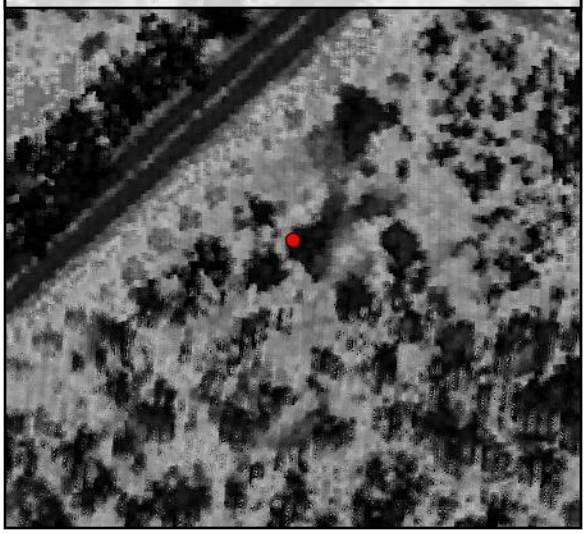
Southwest to Northeast



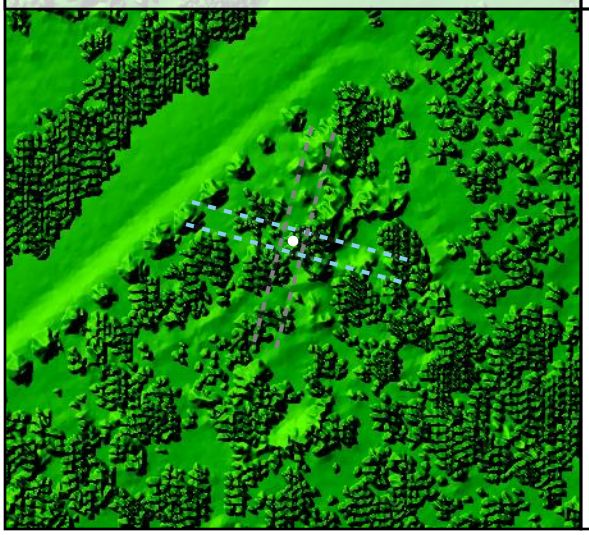
Southeast to Northwest



Intensity Raster



TIN Surface

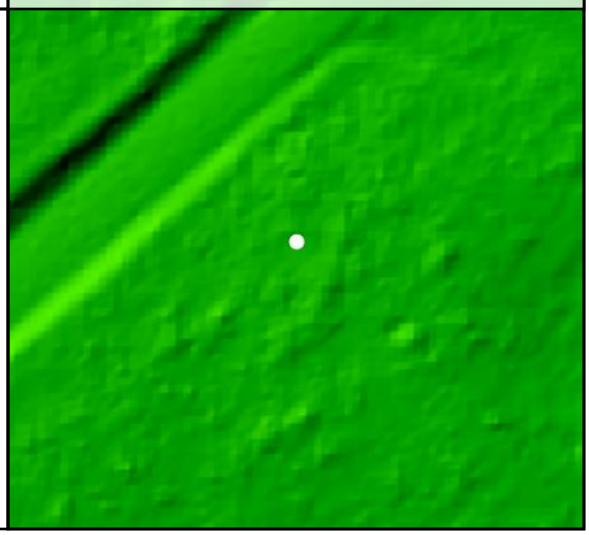


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.18 m

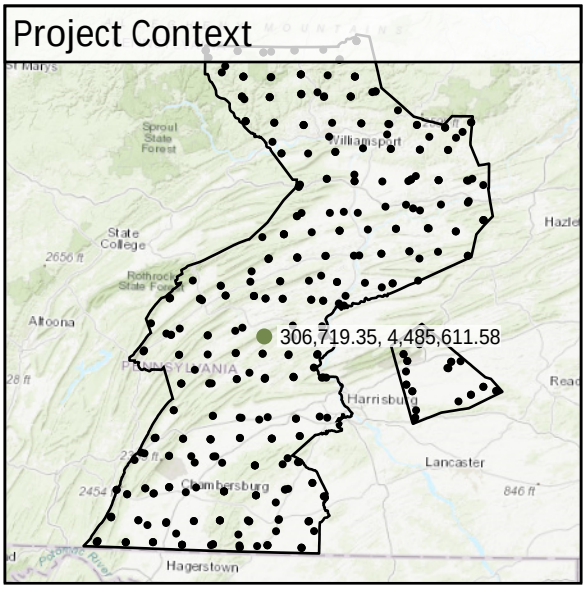
VVA - FO36

FO37				
	Known Z	178.49 m	Point Density	8.13 ppsm
	DEM Dz	0.14 m	Ground Density	3.89 ppsm
	All Points TIN Dz	N/A	Slope	1.06 °

DEM Dz +0.14 m

VVA - FO37

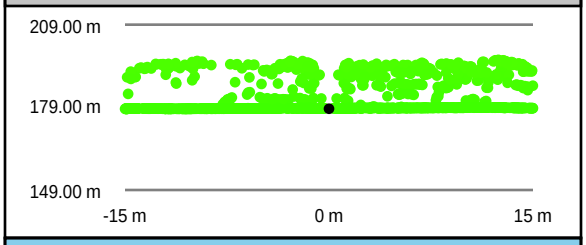
Project Context



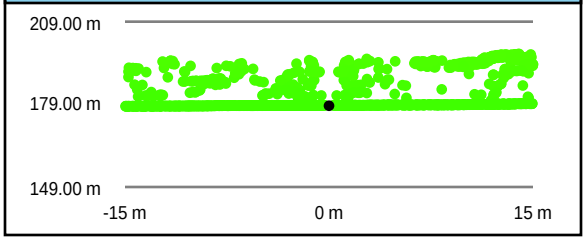
World Imagery



Southwest to Northeast



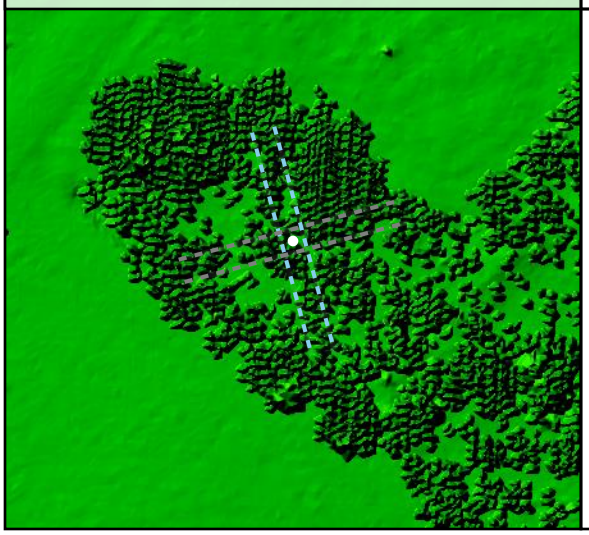
Southeast to Northwest



Intensity Raster



TIN Surface

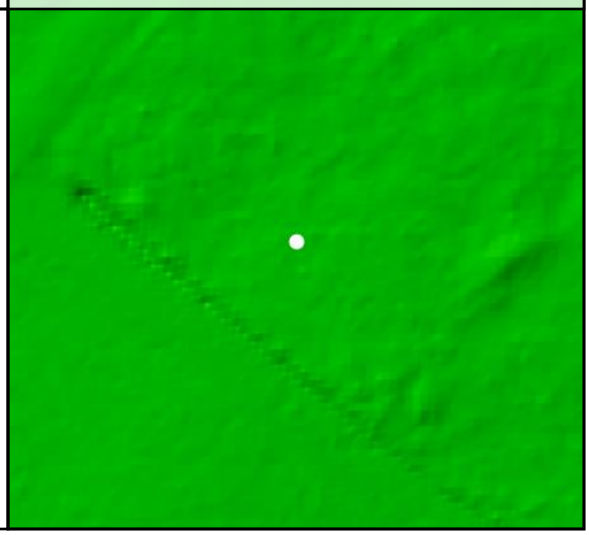


Project Elevation

716.97

103.02

DEM Surface



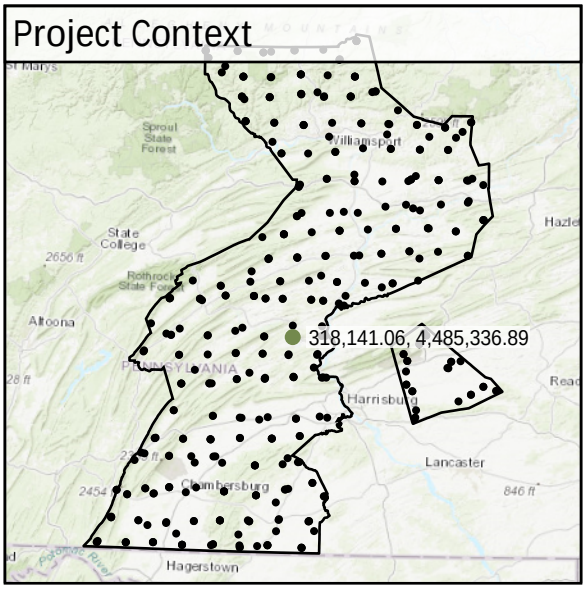
FO38

Known Z	128.10 m	Point Density	5.80 ppsm
DEM Dz	0.17 m	Ground Density	3.96 ppsm
All Points TIN Dz	N/A	Slope	18.47 °

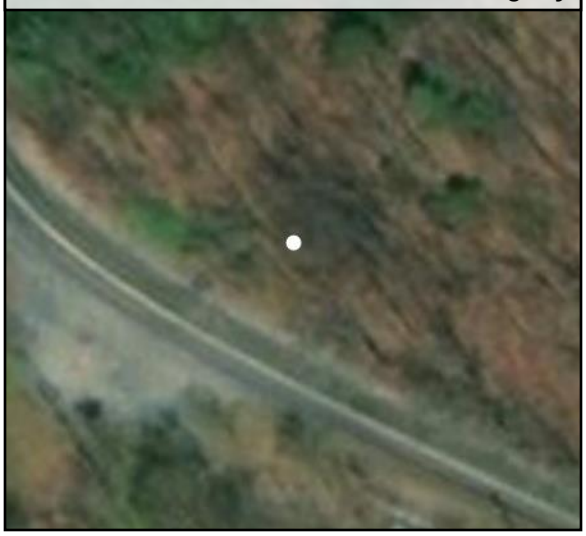
DEM Dz +0.17 m

VVA - FO38

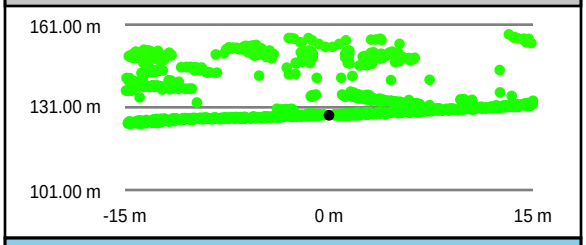
Project Context



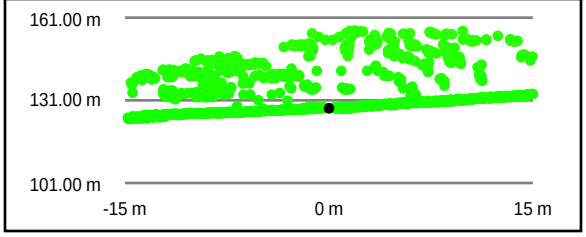
World Imagery



Southeast to Northwest



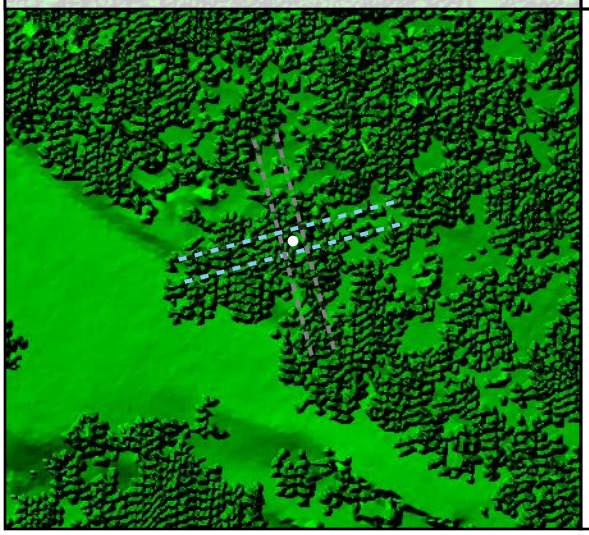
Southwest to Northeast



Intensity Raster



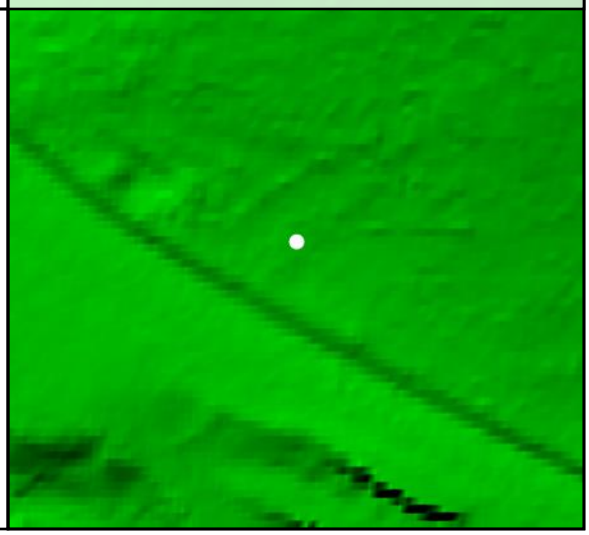
TIN Surface



Project Elevation

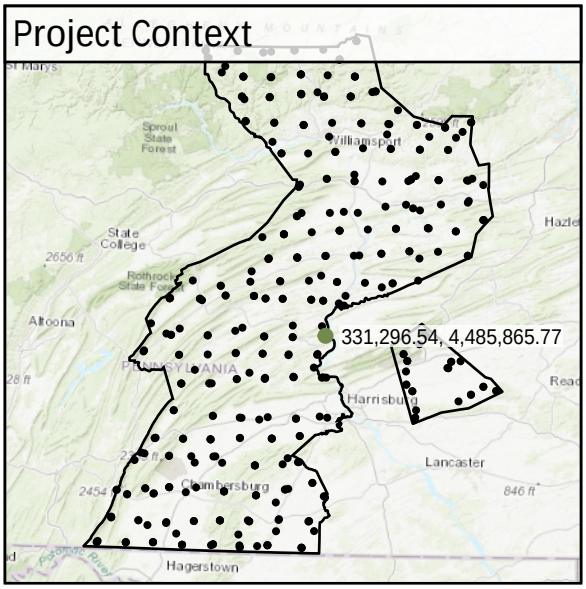


DEM Surface



FO39				
	Known Z	145.49 m	Point Density	6.01 ppsm
	DEM Dz	0.15 m	Ground Density	3.61 ppsm
	All Points TIN Dz	N/A	Slope	15.45 °

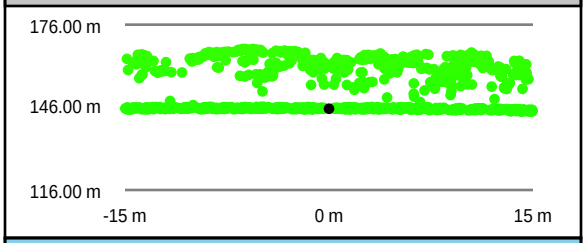
Project Context



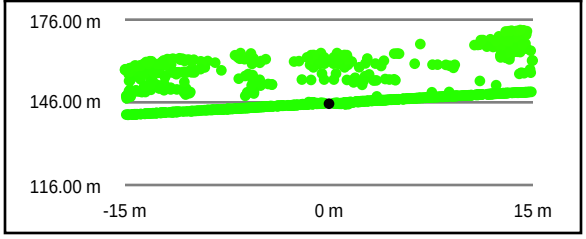
World Imagery



Southeast to Northwest



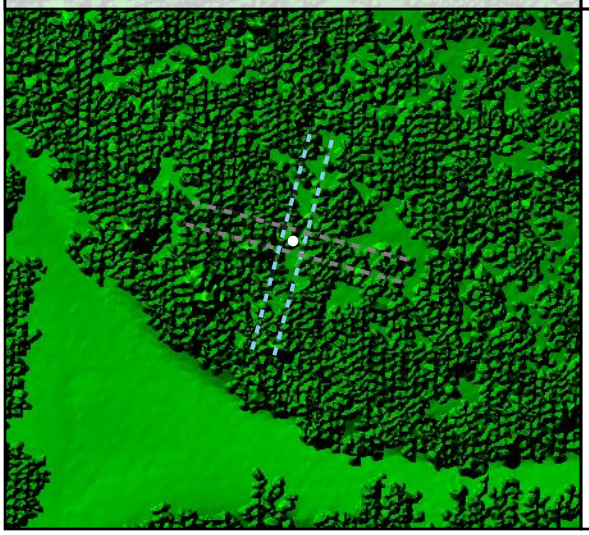
Southwest to Northeast



Intensity Raster



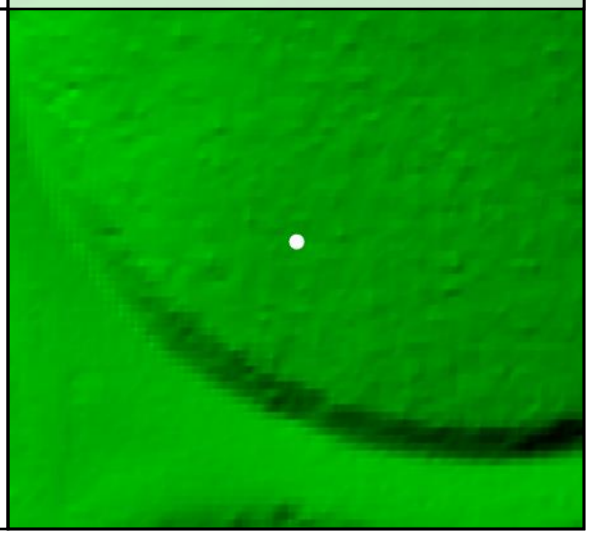
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.15 m

VVA - FO39

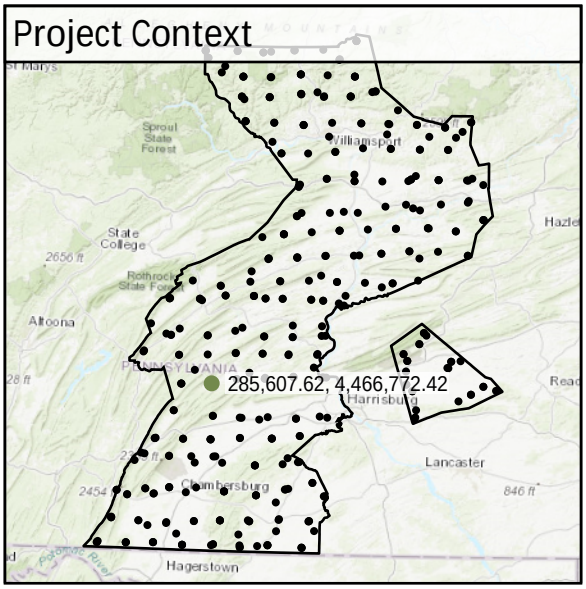
FO40

Known Z	210.04 m	Point Density	5.34 ppsm
DEM Dz	0.03 m	Ground Density	3.32 ppsm
All Points TIN Dz	N/A	Slope	2.41 °

DEM Dz +0.03 m

VVA - FO40

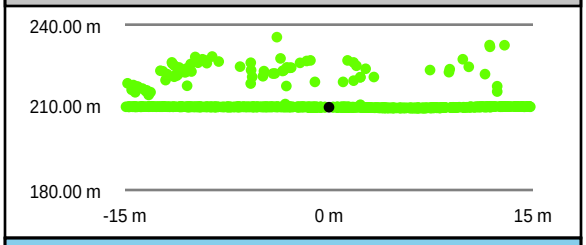
Project Context



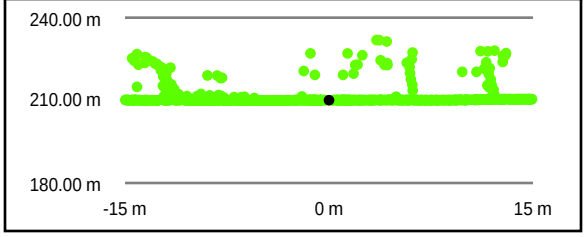
World Imagery



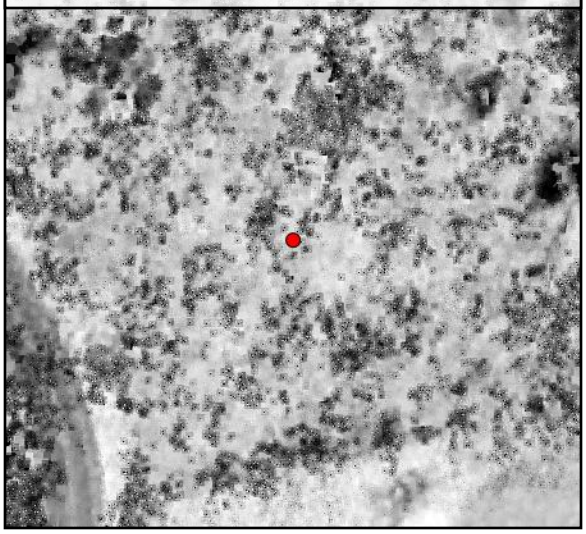
Southwest to Northeast



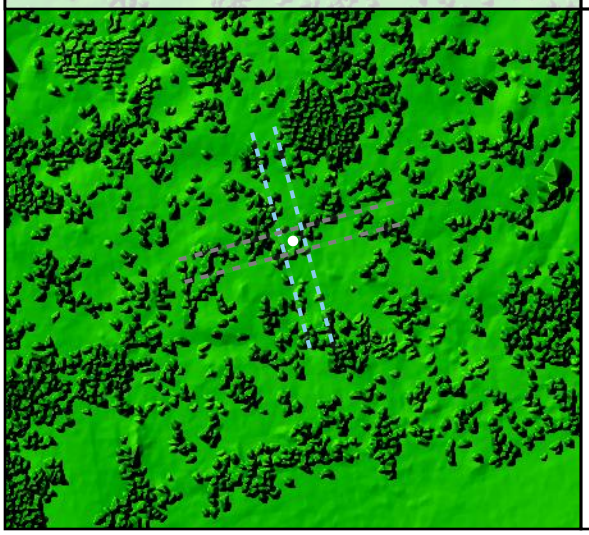
Southeast to Northwest



Intensity Raster



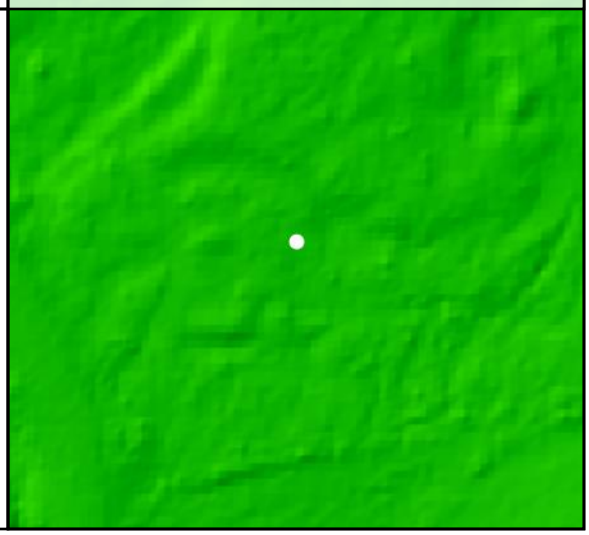
TIN Surface



Project Elevation

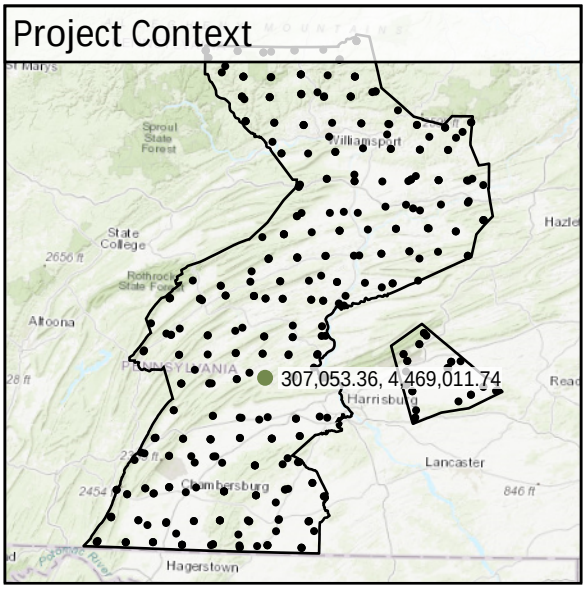


DEM Surface



FO41				
	Known Z	199.74 m	Point Density	5.76 ppsm
	DEM Dz	0.11 m	Ground Density	4.92 ppsm
	All Points TIN Dz	N/A	Slope	12.09 °

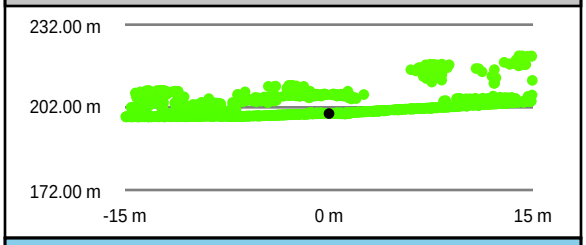
Project Context



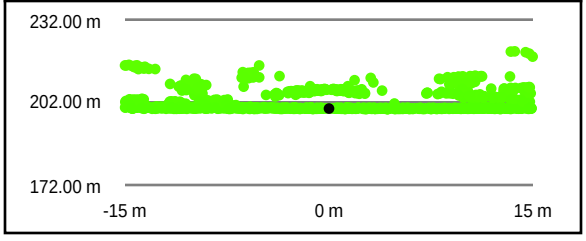
World Imagery



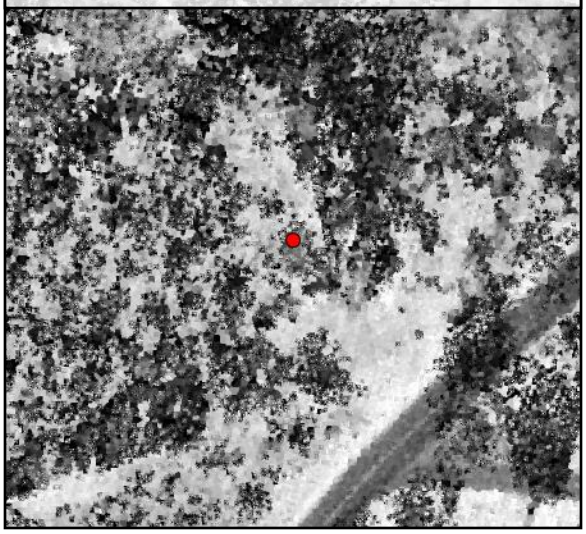
Southeast to Northwest



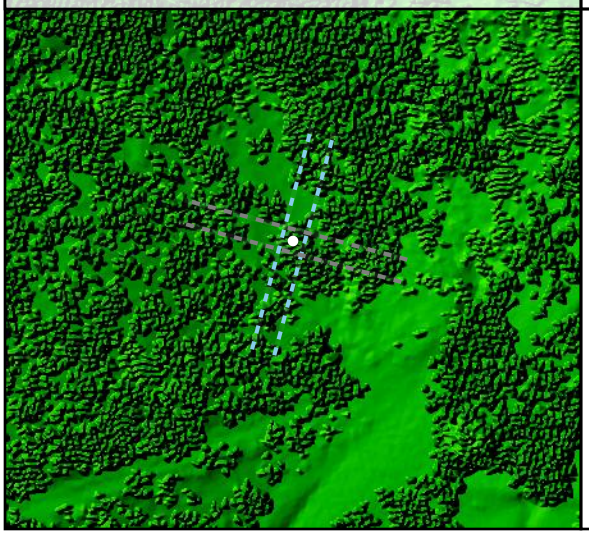
Southwest to Northeast



Intensity Raster



TIN Surface

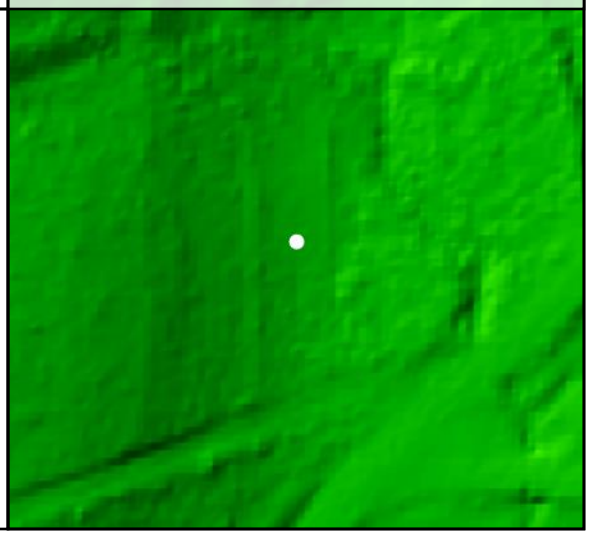


Project Elevation

716.97

103.02

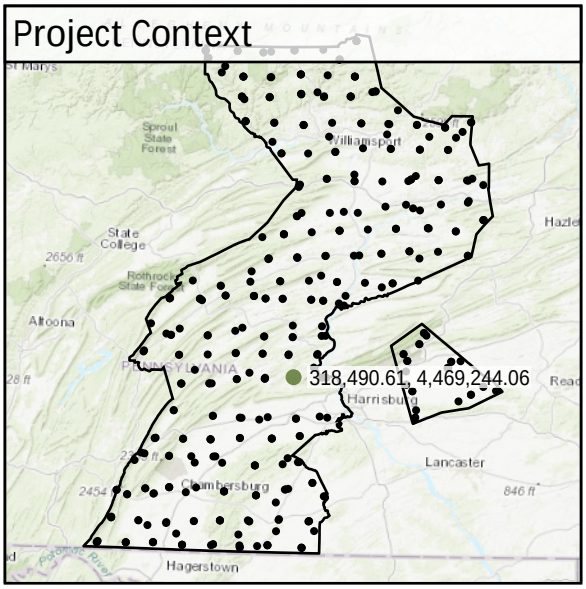
DEM Surface



FO42

Known Z	140.80 m	Point Density	4.24 ppsm
DEM Dz	0.08 m	Ground Density	5.69 ppsm
All Points TIN Dz	N/A	Slope	9.51 °

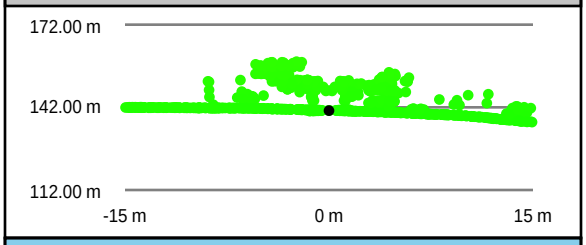
Project Context



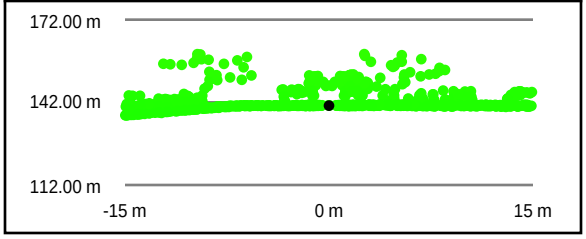
World Imagery



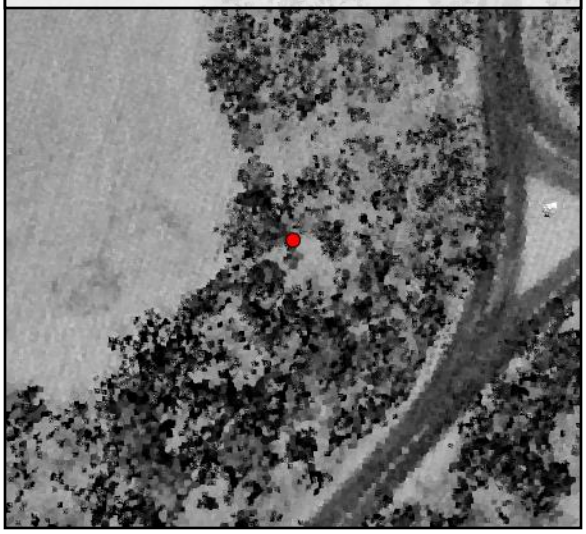
Southwest to Northeast



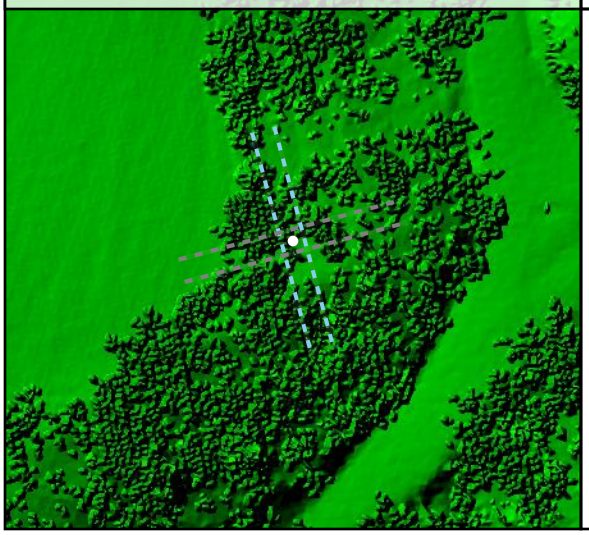
Southeast to Northwest



Intensity Raster



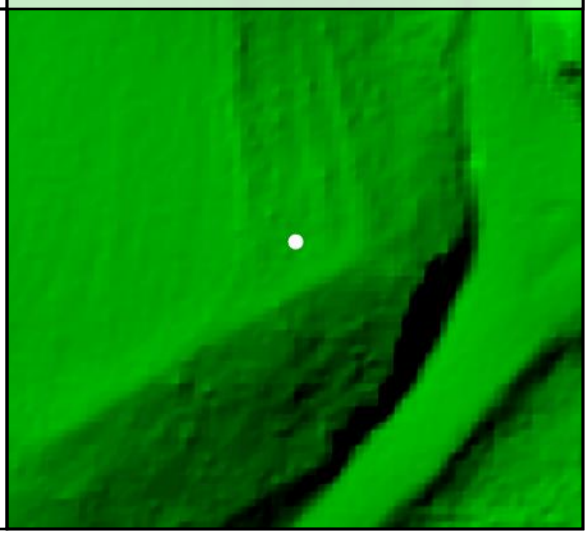
TIN Surface



Project Elevation



DEM Surface

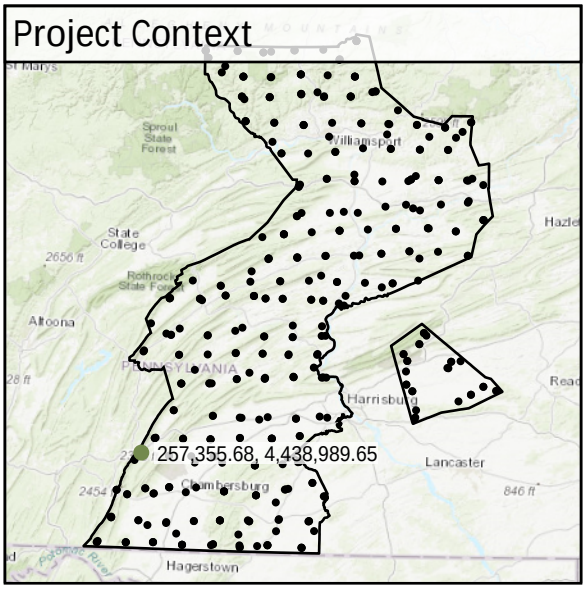


DEM Dz +0.08 m

VVA - FO42

FO43				
	Known Z	282.41 m	Point Density	5.20 ppsm
	DEM Dz	0.01 m	Ground Density	5.76 ppsm
	All Points TIN Dz	N/A	Slope	2.81 °

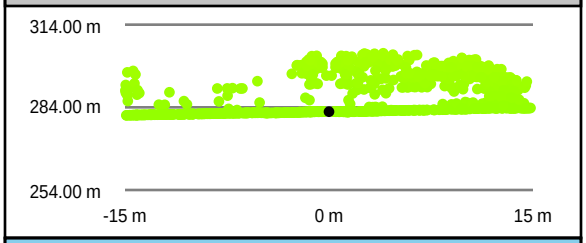
Project Context



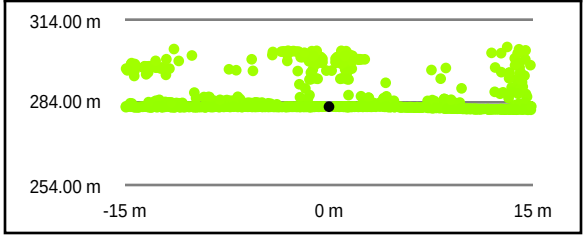
World Imagery



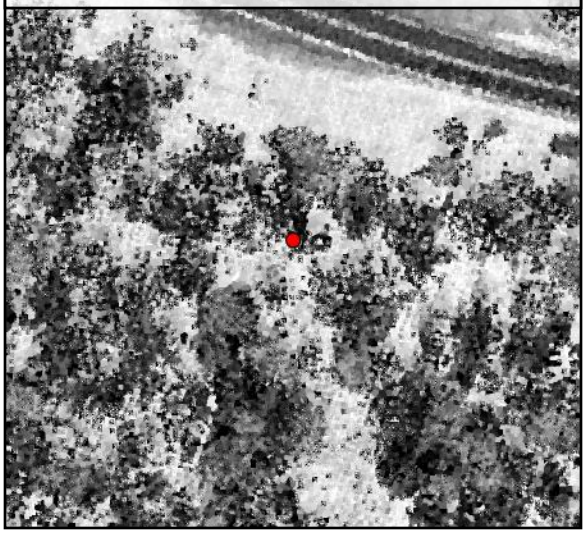
South to North



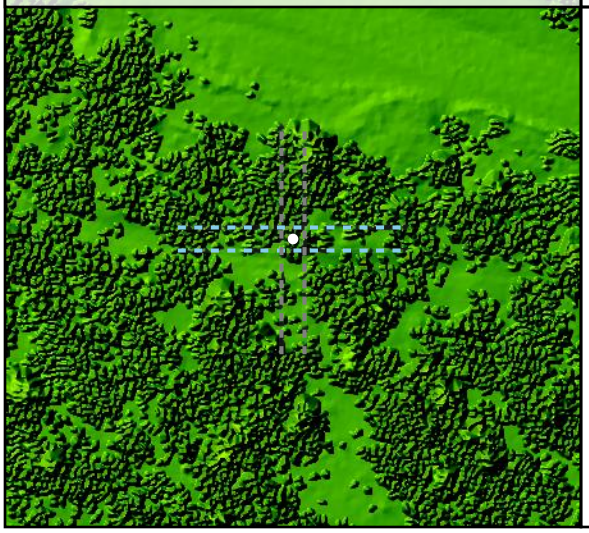
West to East



Intensity Raster



TIN Surface

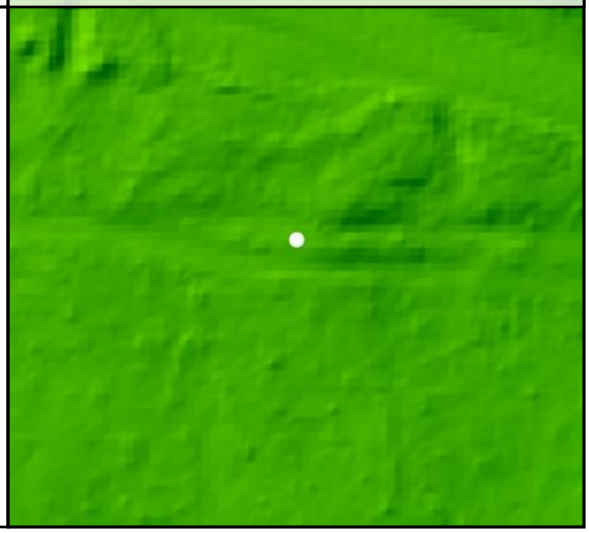


Project Elevation

716.97

103.02

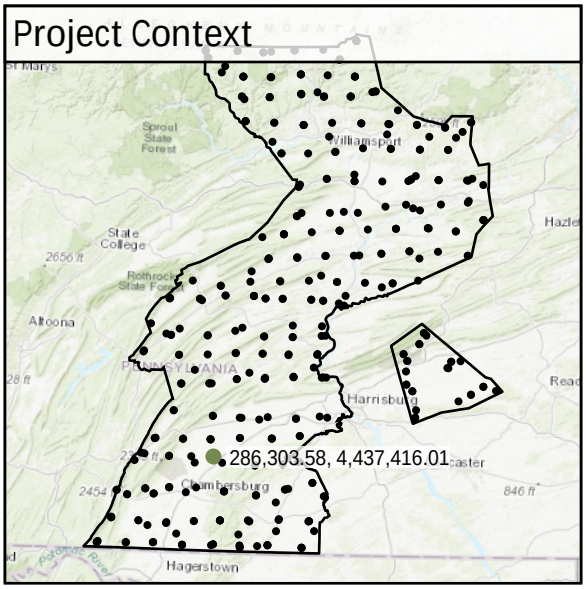
DEM Surface



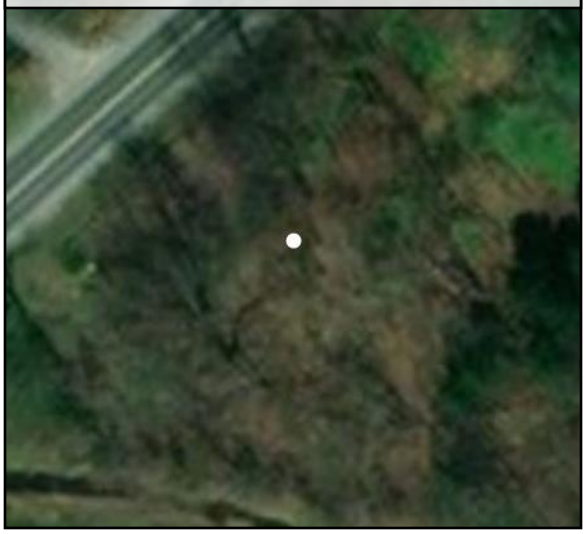
FO44

Known Z	205.45 m	Point Density	5.84 ppsm
DEM Dz	-0.04 m	Ground Density	5.06 ppsm
All Points TIN Dz	N/A	Slope	5.93 °

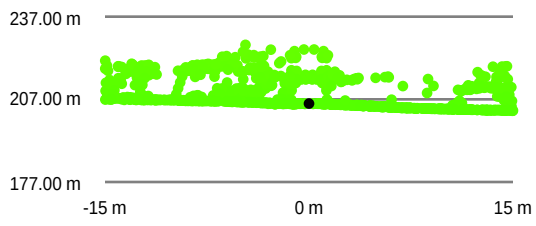
Project Context



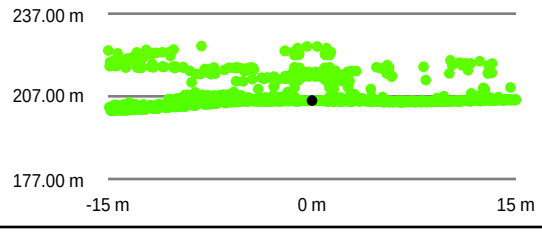
World Imagery



Southeast to Northwest



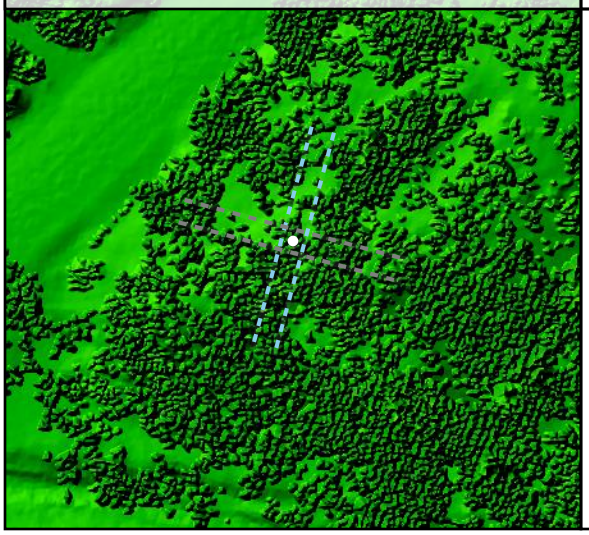
Southwest to Northeast



Intensity Raster



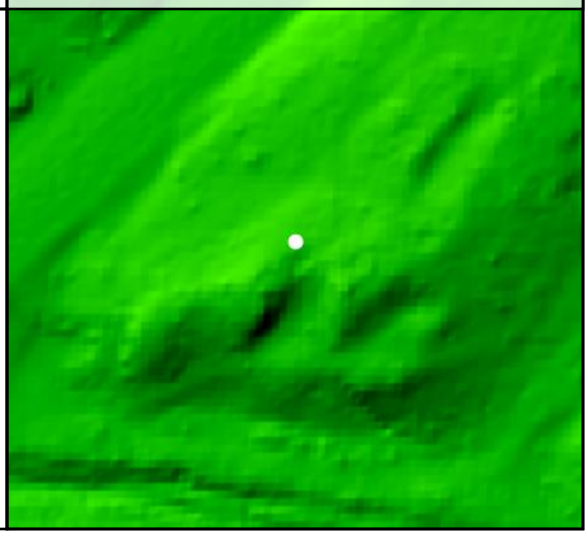
TIN Surface



Project Elevation



DEM Surface



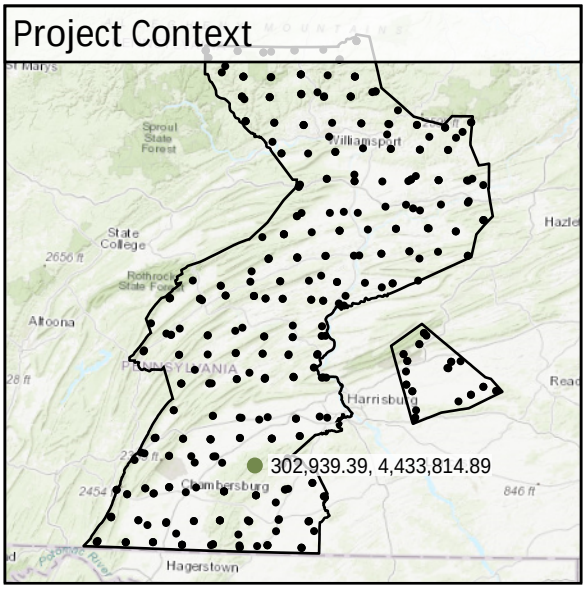
DEM Dz -0.04 m

VVA - FO44

FO45

Known Z	266.26 m	Point Density	6.30 ppsm
DEM Dz	0.01 m	Ground Density	9.02 ppsm
All Points TIN Dz	N/A	Slope	0.85 °

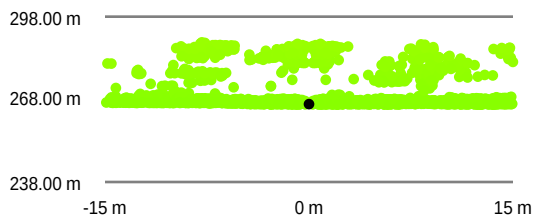
Project Context



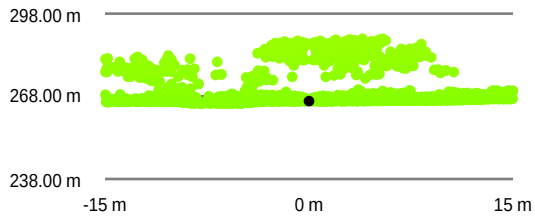
World Imagery



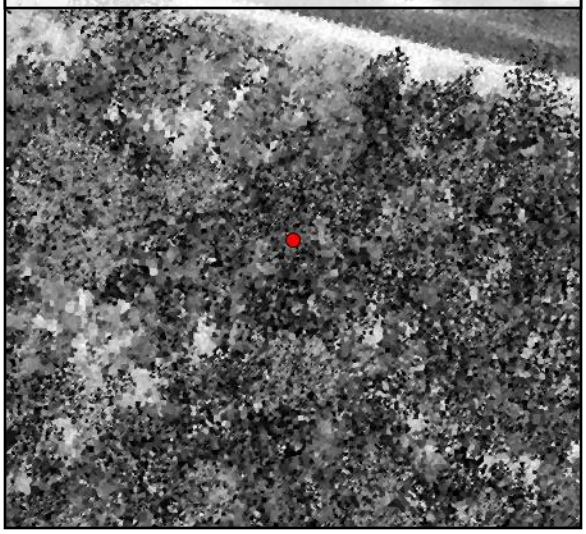
Southwest to Northeast



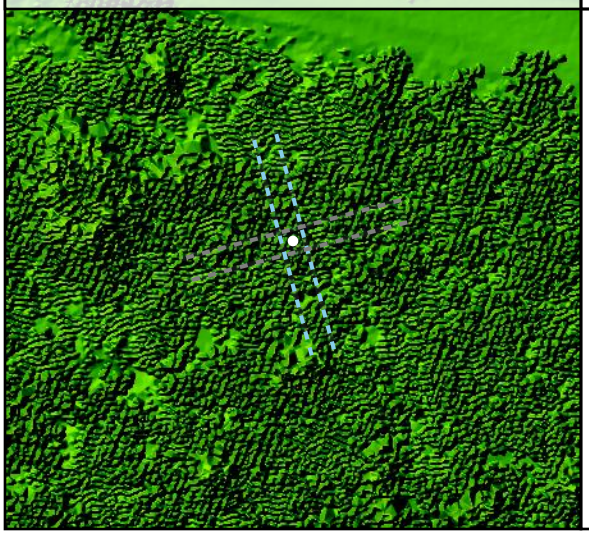
Southeast to Northwest



Intensity Raster



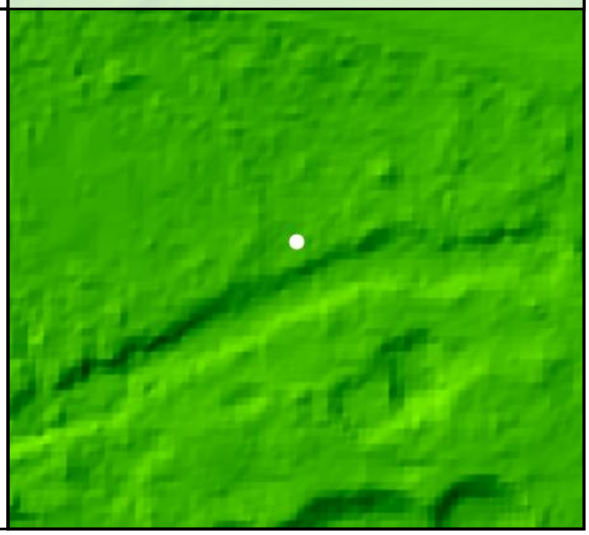
TIN Surface



Project Elevation



DEM Surface



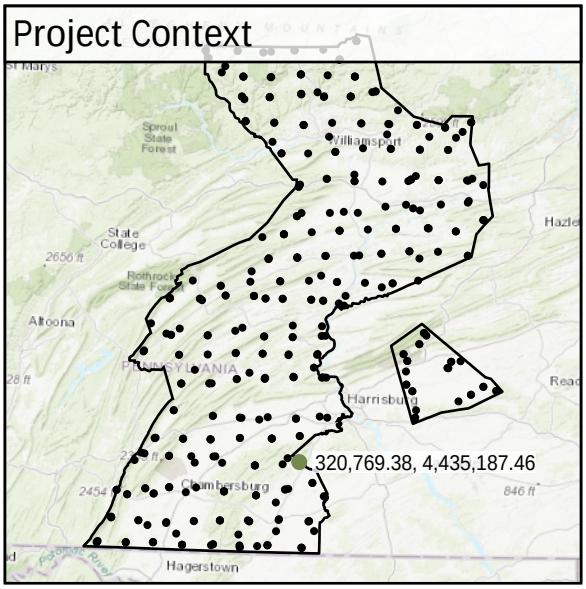
DEM Dz +0.01 m

VVA - FO45

FO46

Known Z	169.34 m	Point Density	5.13 ppsm
DEM Dz	0.02 m	Ground Density	4.28 ppsm
All Points TIN Dz	N/A	Slope	2.07 °

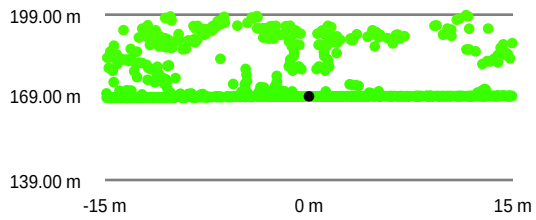
Project Context



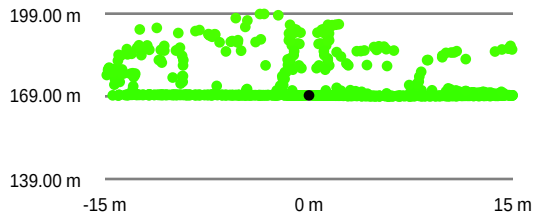
World Imagery



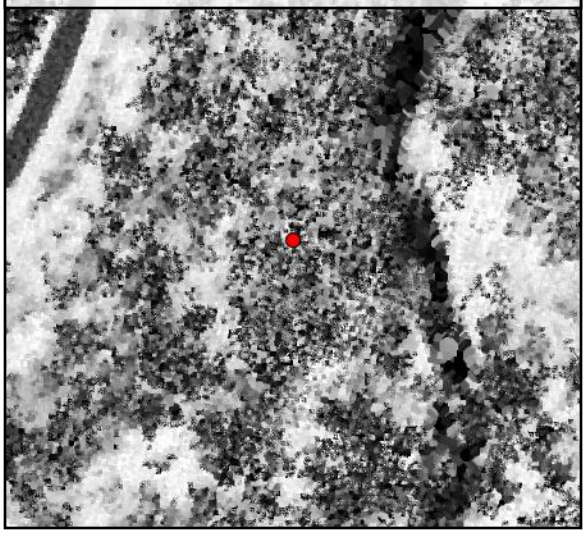
Southwest to Northeast



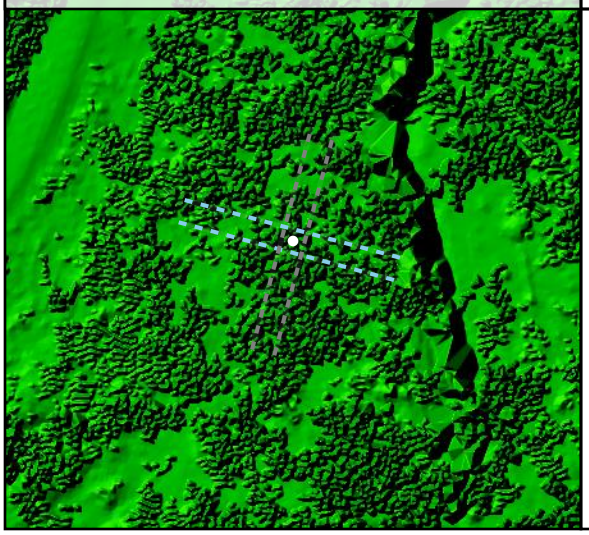
Southeast to Northwest



Intensity Raster



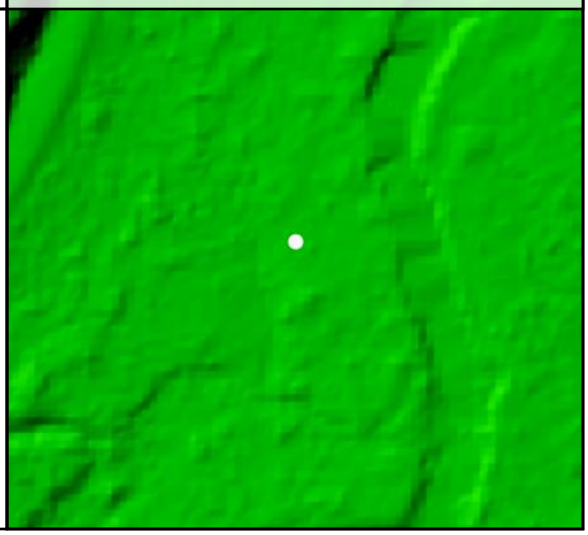
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.02 m

VVA - FO46

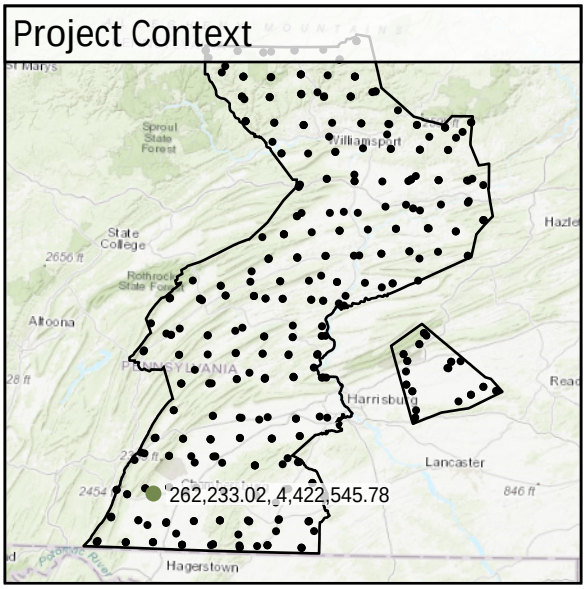
FO47

Known Z	189.10 m	Point Density	5.76 ppsm
DEM Dz	0.09 m	Ground Density	5.45 ppsm
All Points TIN Dz	N/A	Slope	5.77 °

DEM Dz +0.09 m

VVA - FO47

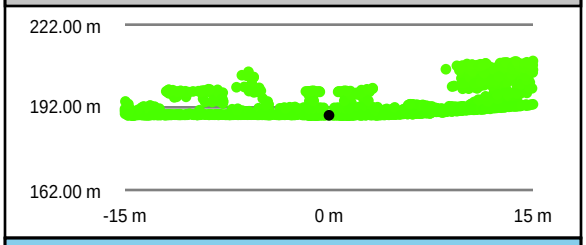
Project Context



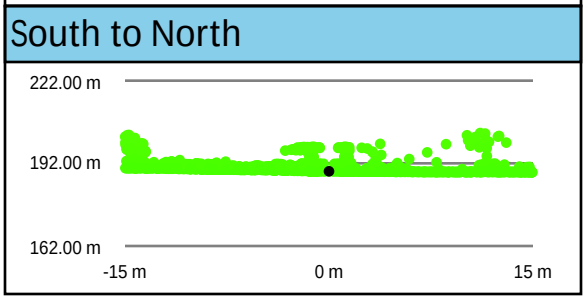
World Imagery



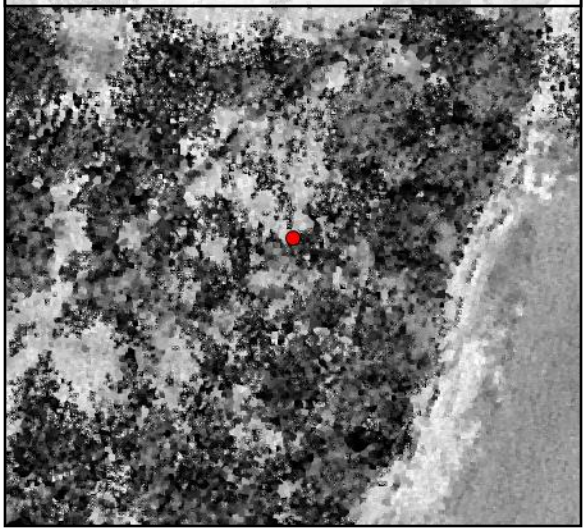
West to East



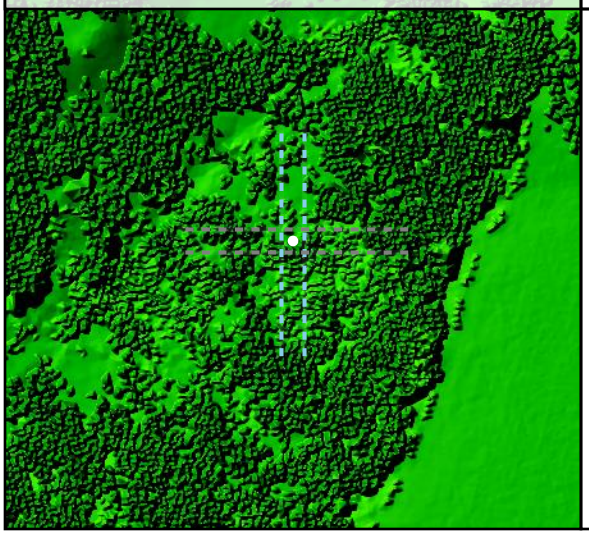
South to North



Intensity Raster



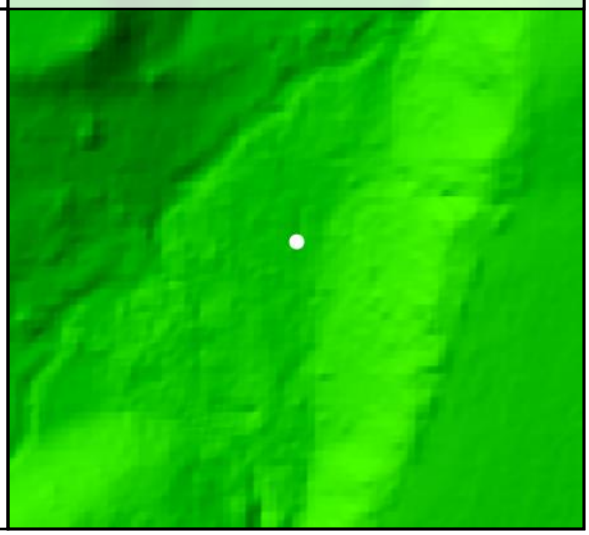
TIN Surface



Project Elevation

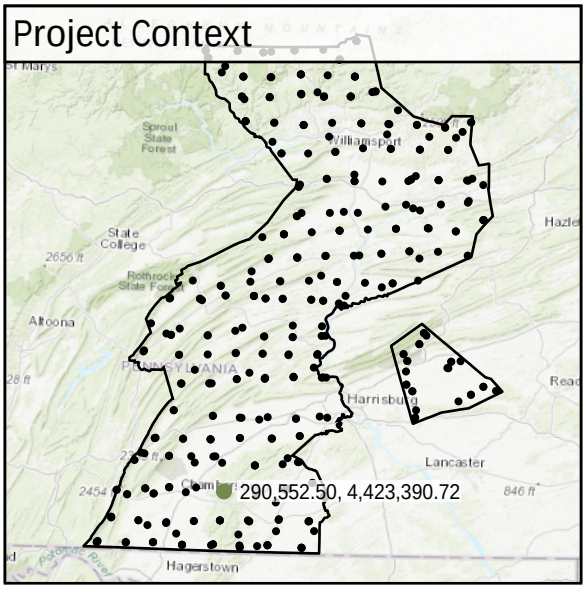


DEM Surface



FO48				
	Known Z	415.80 m	Point Density	6.26 ppsm
	DEM Dz	0.01 m	Ground Density	7.99 ppsm
	All Points TIN Dz	N/A	Slope	1.60 °

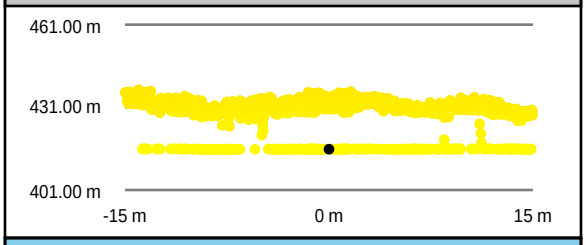
Project Context



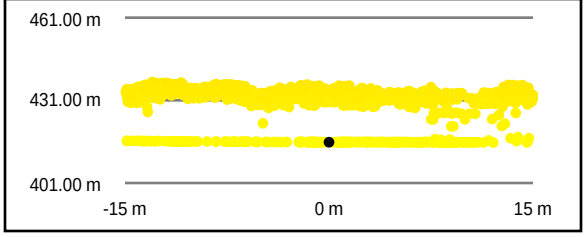
World Imagery



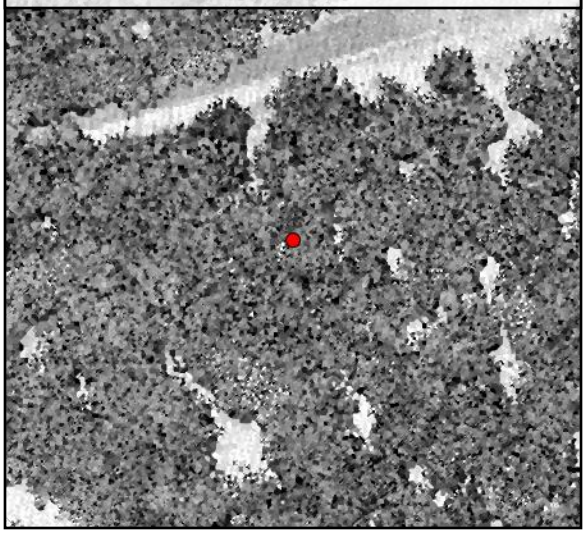
Southwest to Northeast



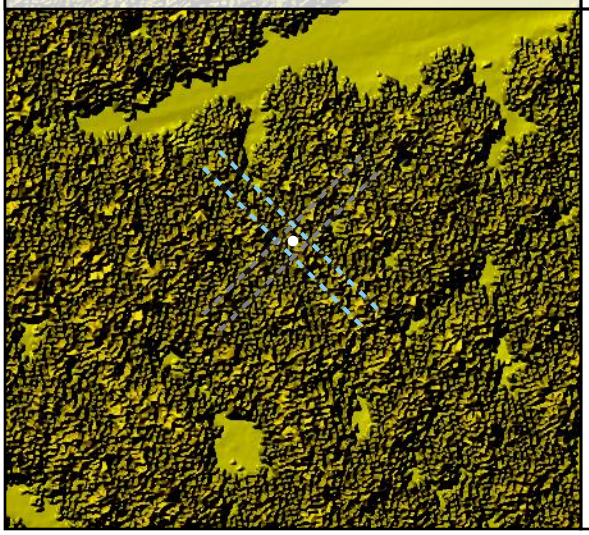
Southeast to Northwest



Intensity Raster



TIN Surface

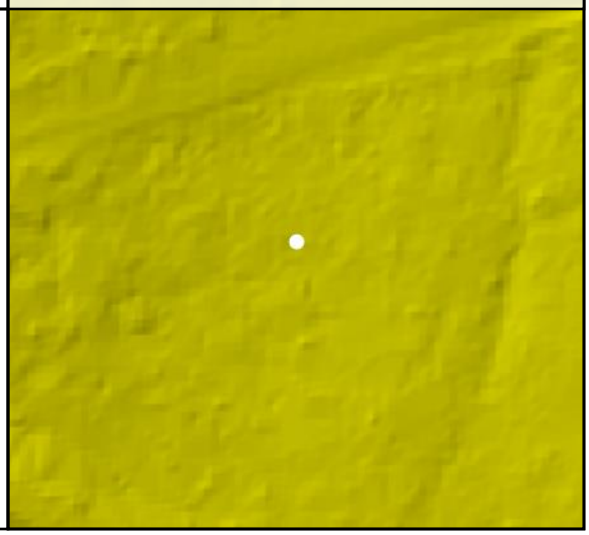


Project Elevation

716.97

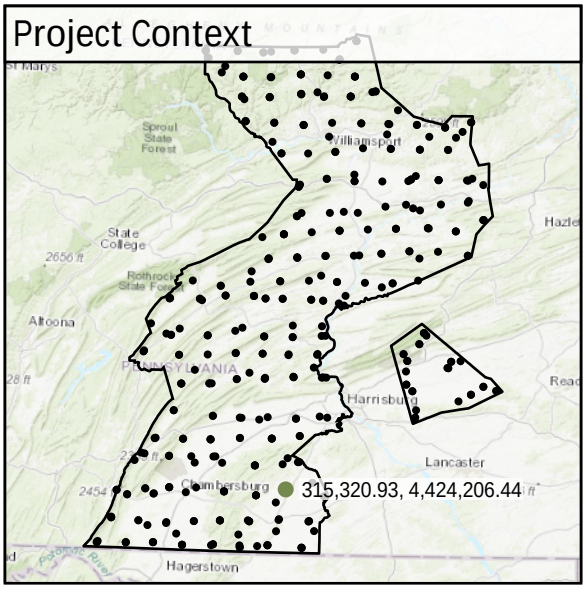
103.02

DEM Surface

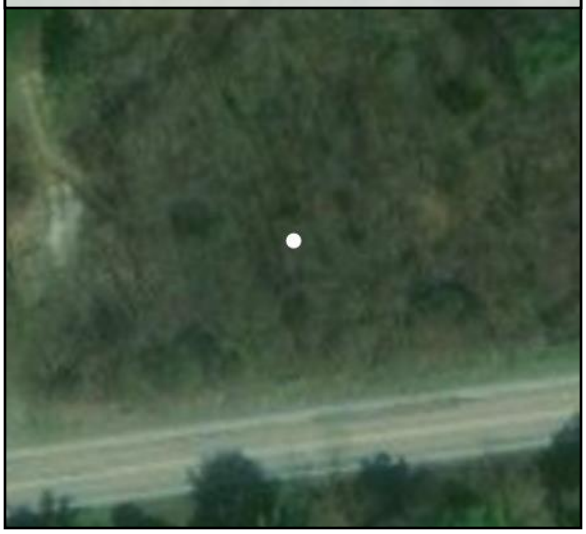


FO49				
	Known Z	170.78 m	Point Density	4.53 ppsm
	DEM Dz	0.04 m	Ground Density	4.31 ppsm
	All Points TIN Dz	N/A	Slope	5.92 °

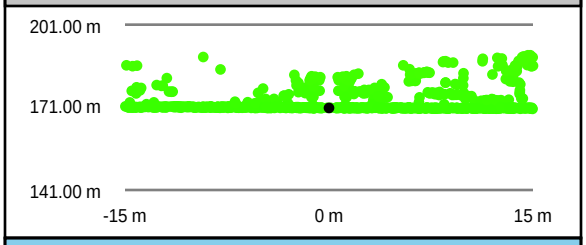
Project Context



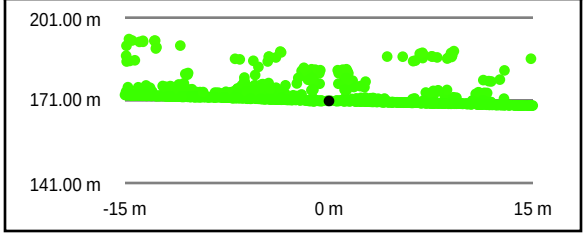
World Imagery



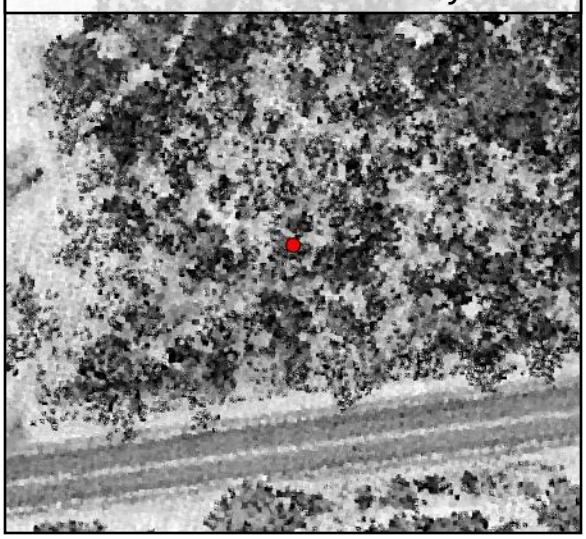
Southwest to Northeast



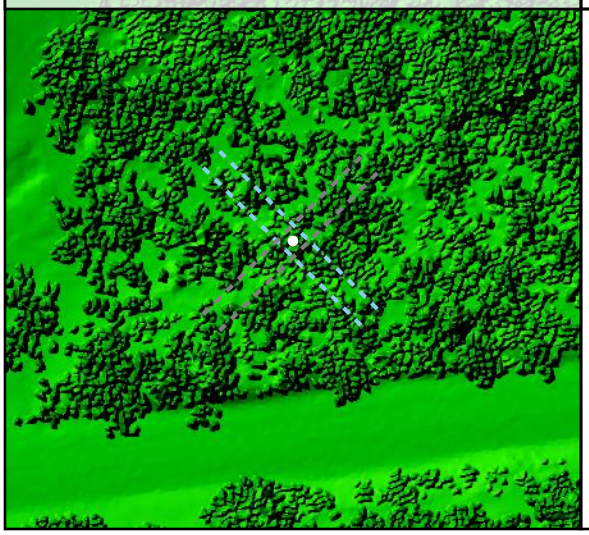
Southeast to Northwest



Intensity Raster



TIN Surface

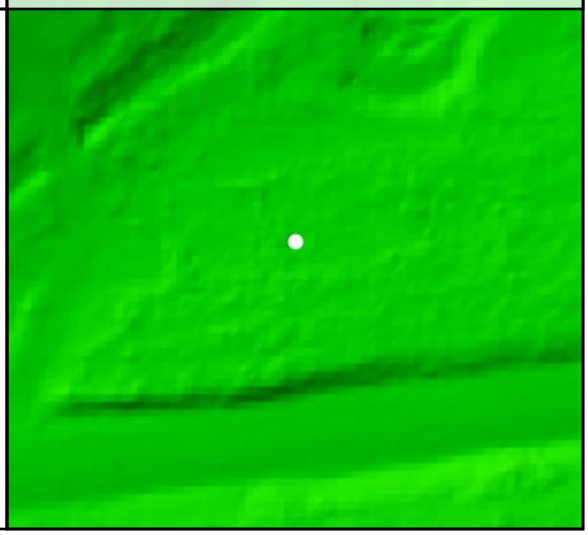


Project Elevation

716.97

103.02

DEM Surface



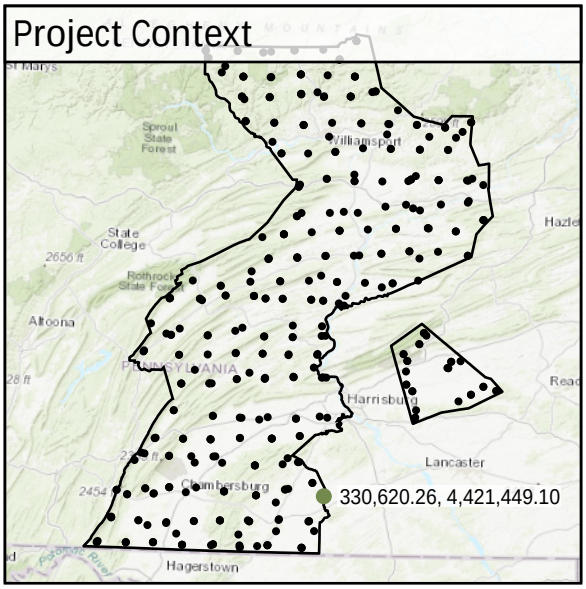
FO50

Known Z	138.26 m	Point Density	4.81 ppsm
DEM Dz	0.05 m	Ground Density	3.57 ppsm
All Points TIN Dz	N/A	Slope	2.56 °

DEM Dz +0.05 m

VVA - FO50

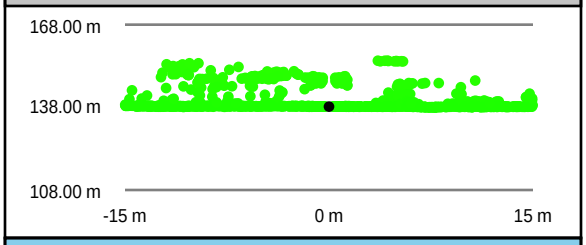
Project Context



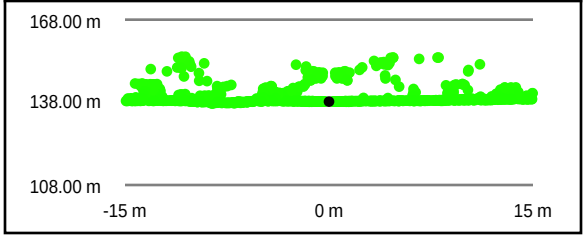
World Imagery



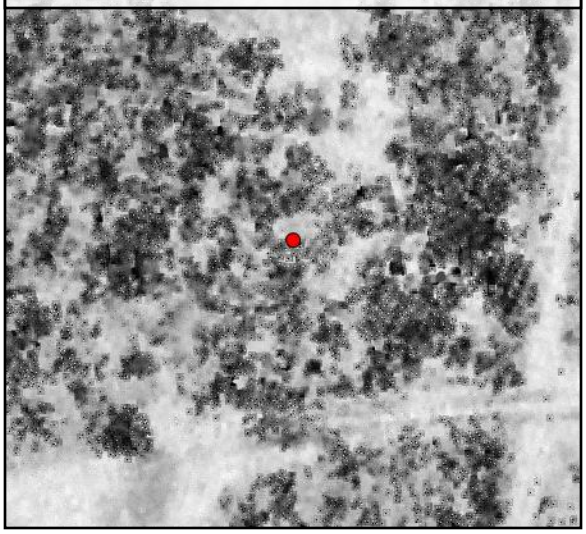
South to North



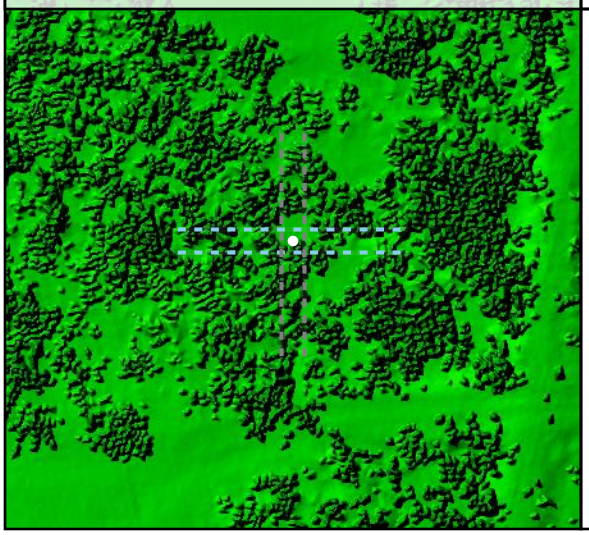
West to East



Intensity Raster



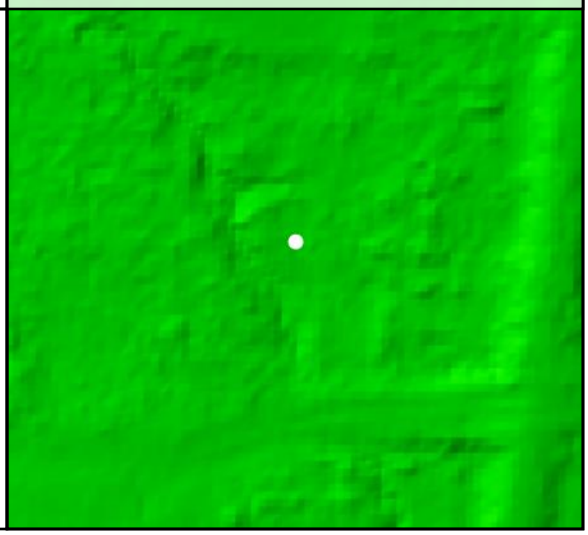
TIN Surface



Project Elevation

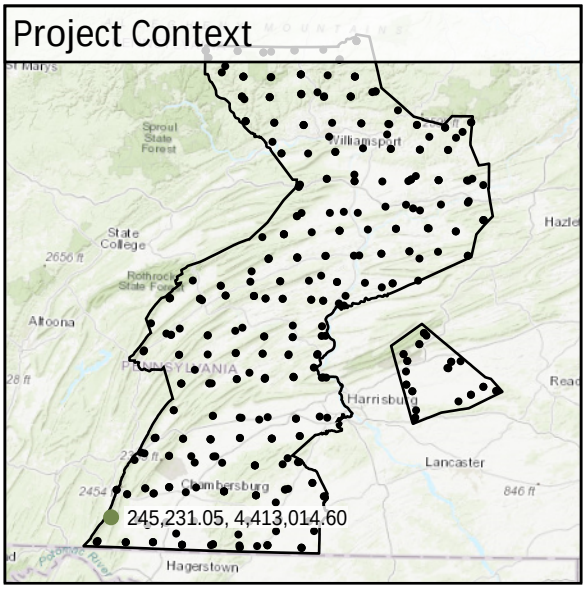


DEM Surface



FO51				
	Known Z	221.59 m	Point Density	5.27 ppsm
	DEM Dz	0.05 m	Ground Density	4.42 ppsm
	All Points TIN Dz	N/A	Slope	1.74 °

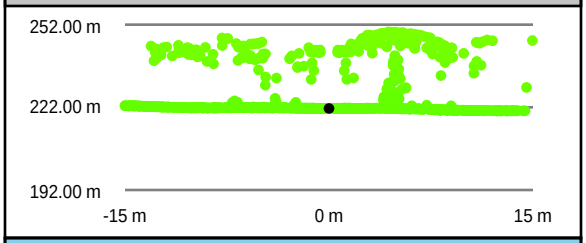
Project Context



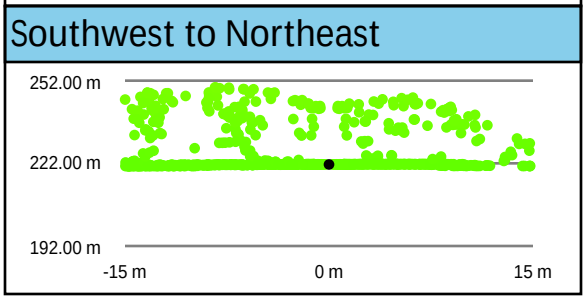
World Imagery



Southeast to Northwest



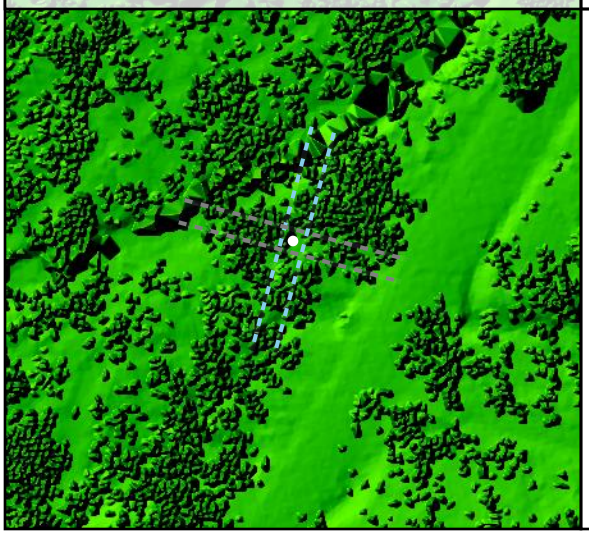
Southwest to Northeast



Intensity Raster



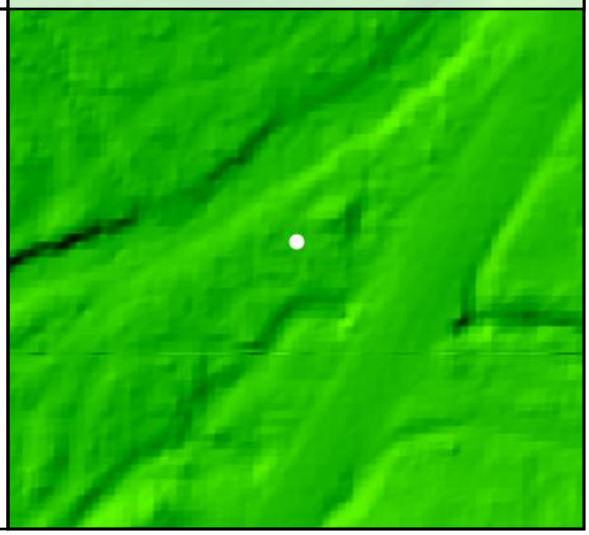
TIN Surface



Project Elevation



DEM Surface



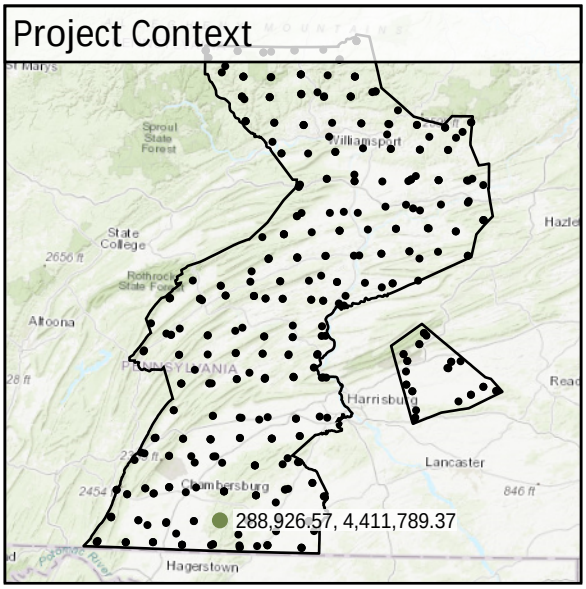
DEM Dz +0.05 m

VVA - FO51

FO52

Known Z	431.83 m	Point Density	4.99 ppsm
DEM Dz	0.15 m	Ground Density	5.45 ppsm
All Points TIN Dz	N/A	Slope	5.11 °

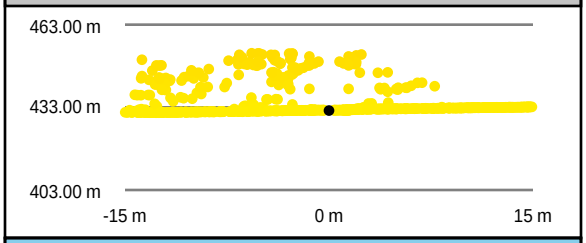
Project Context



World Imagery



South to North



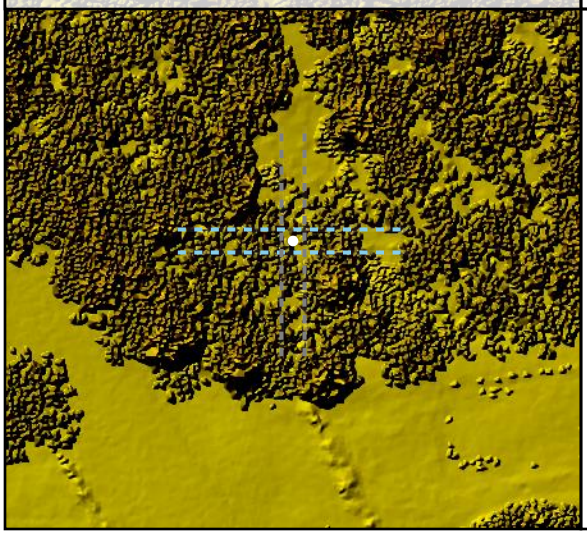
West to East



Intensity Raster



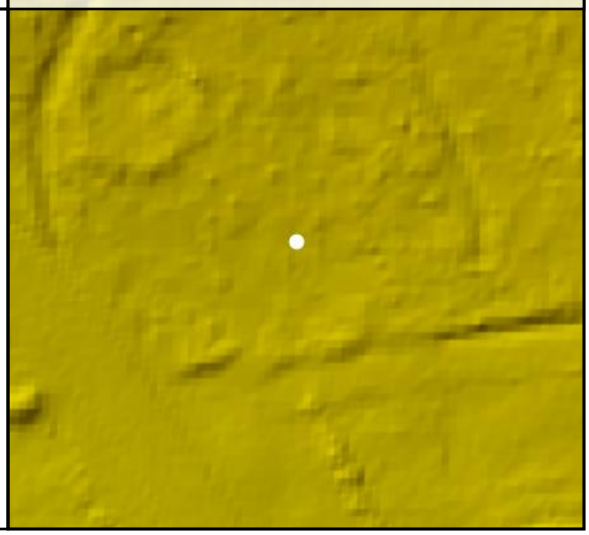
TIN Surface



Project Elevation



DEM Surface

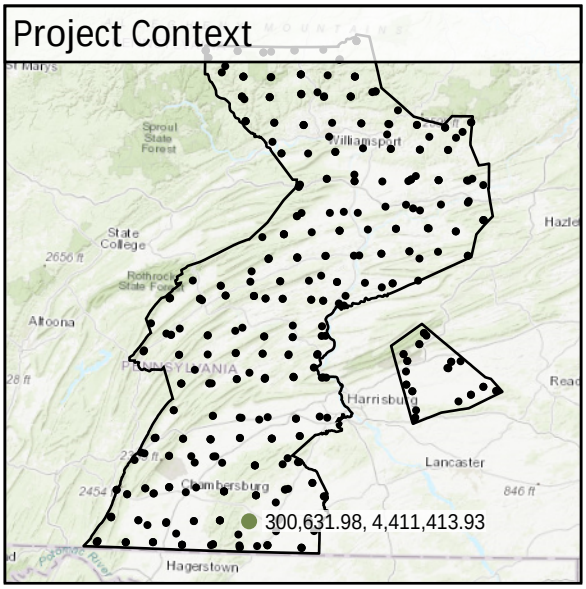


DEM Dz +0.15 m

VVA - FO52

FO53				
	Known Z	194.04 m	Point Density	5.84 ppsm
	DEM Dz	0.01 m	Ground Density	4.49 ppsm
	All Points TIN Dz	N/A	Slope	0.92 °

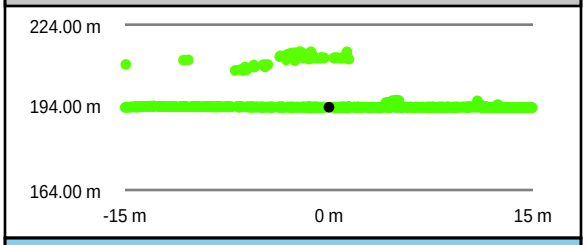
Project Context



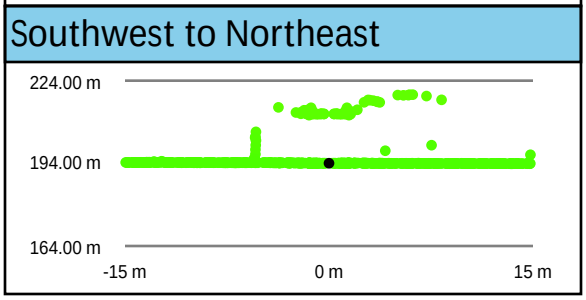
World Imagery



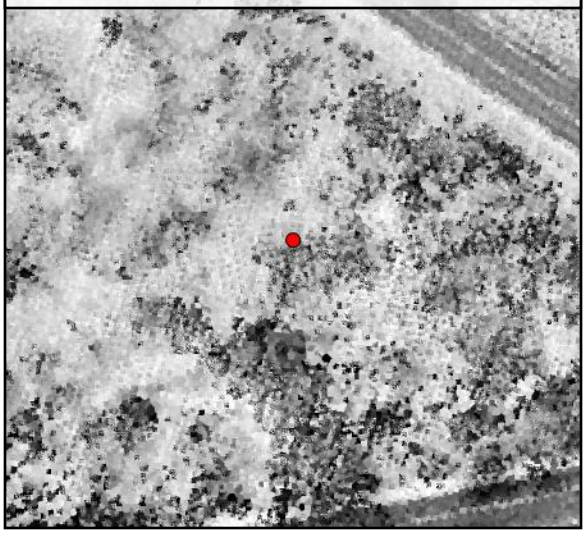
Southeast to Northwest



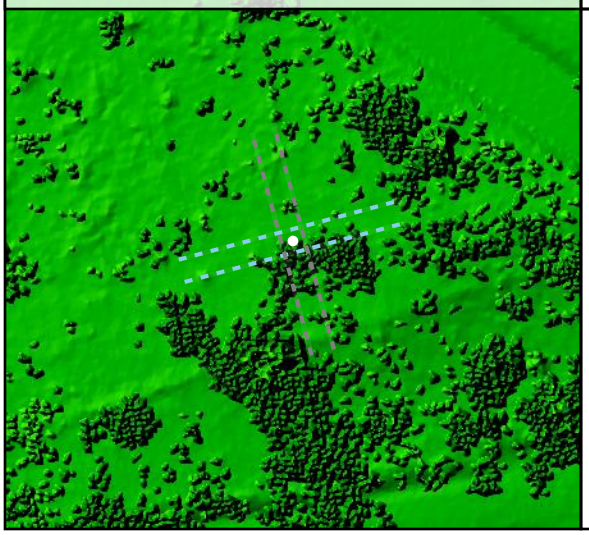
Southwest to Northeast



Intensity Raster



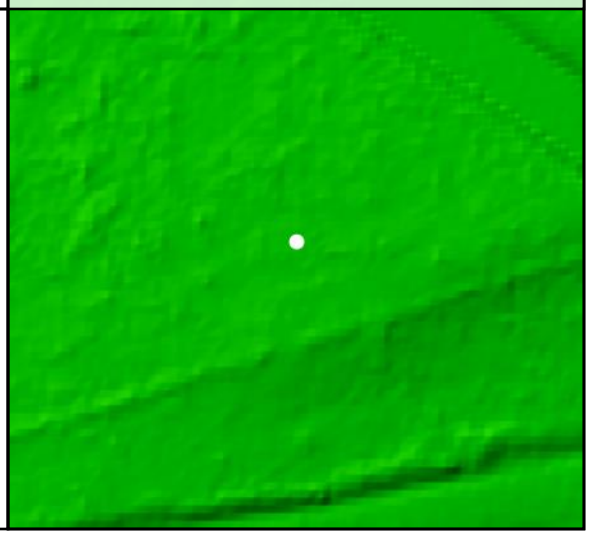
TIN Surface



Project Elevation



DEM Surface



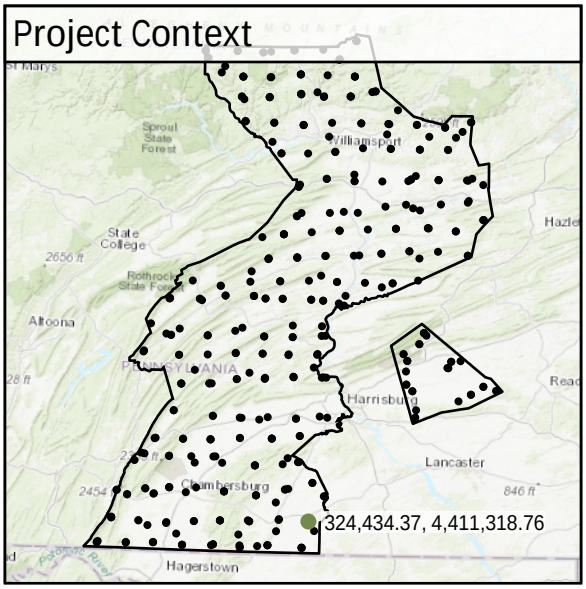
DEM Dz +0.01 m

VVA - FO53

FO54

Known Z	161.79 m	Point Density	4.70 ppsm
DEM Dz	0.00 m	Ground Density	3.50 ppsm
All Points TIN Dz	N/A	Slope	2.69 °

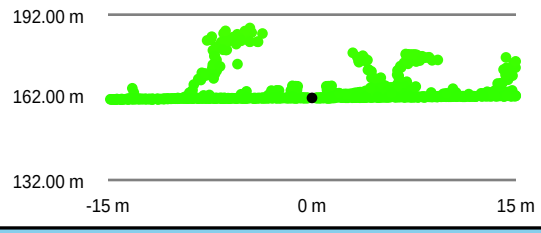
Project Context



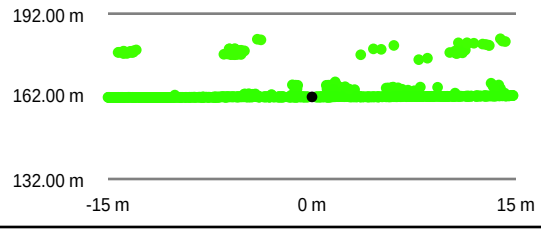
World Imagery



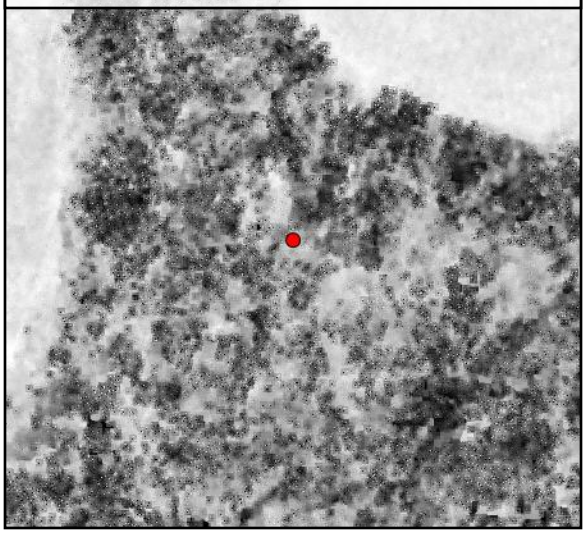
Southwest to Northeast



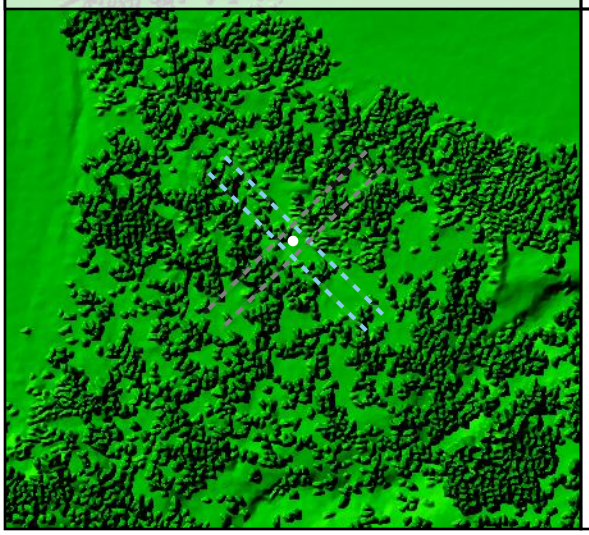
Southeast to Northwest



Intensity Raster



TIN Surface

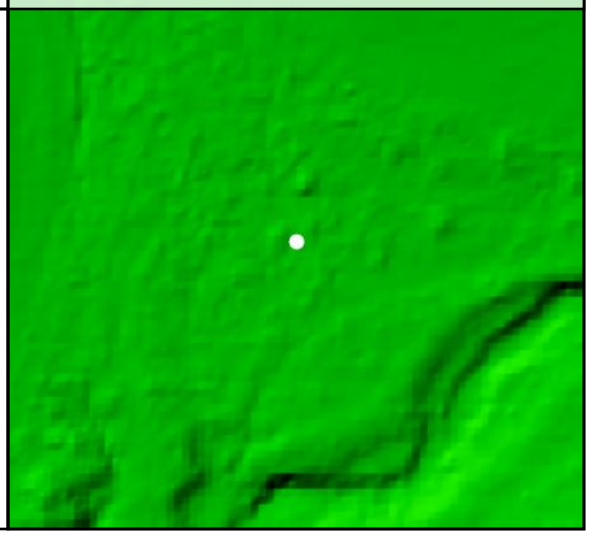


Project Elevation

716.97

103.02

DEM Surface



DEM Dz 0.00 m

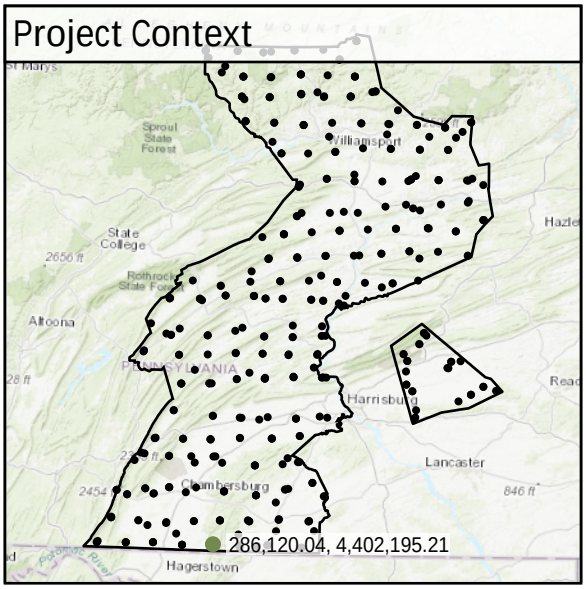
VVA - FO54

FO55				
	Known Z	362.91 m	Point Density	3.78 ppsm
	DEM Dz	-0.02 m	Ground Density	4.42 ppsm
	All Points TIN Dz	N/A	Slope	9.71 °

DEM Dz -0.02 m

VVA - FO55

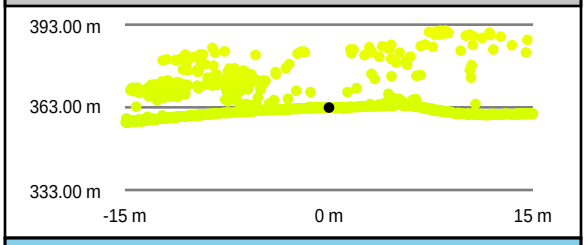
Project Context



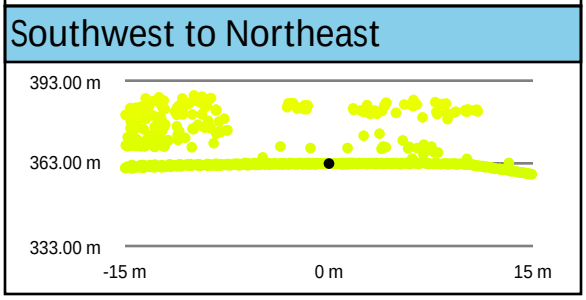
World Imagery



Southeast to Northwest



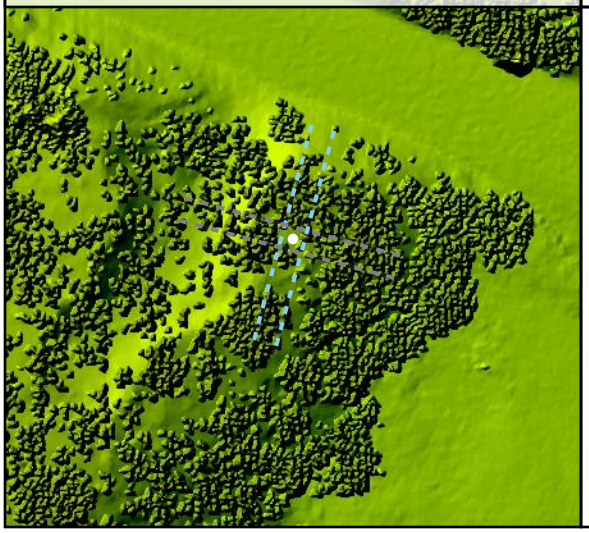
Southwest to Northeast



Intensity Raster



TIN Surface

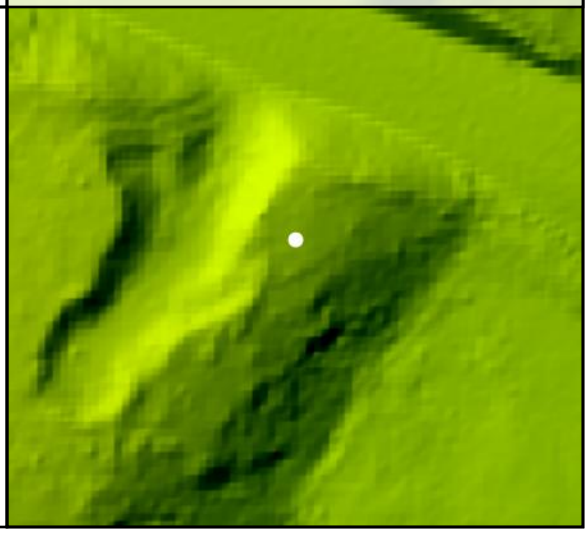


Project Elevation

716.97

103.02

DEM Surface

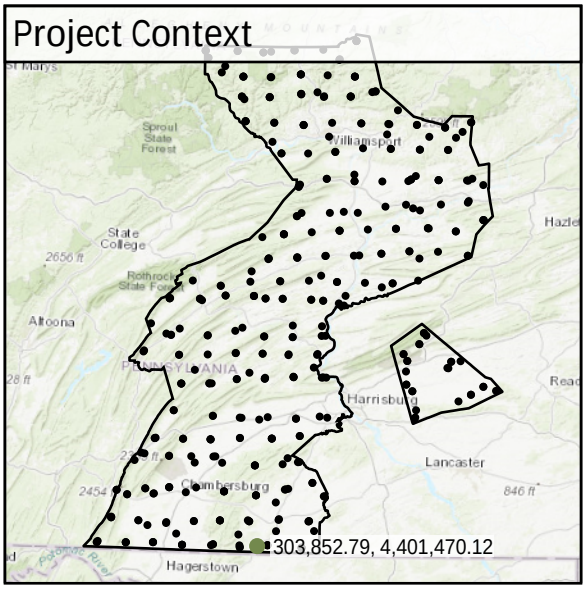


FO56				
	Known Z	148.83 m	Point Density	4.35 ppsm
	DEM Dz	-0.03 m	Ground Density	4.49 ppsm
	All Points TIN Dz	N/A	Slope	0.87 °

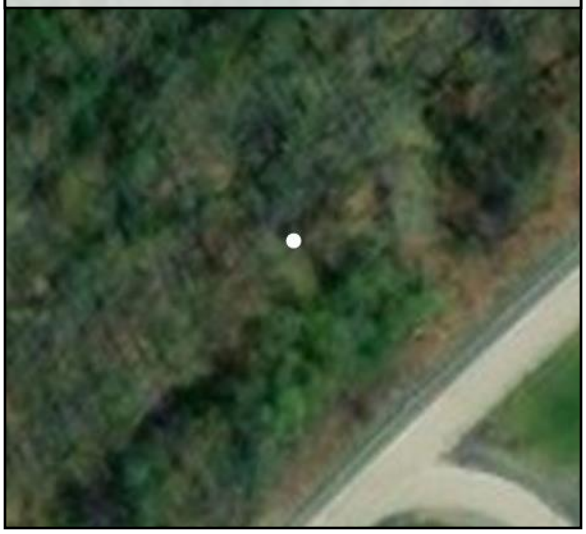
DEM Dz -0.03 m

VVA - FO56

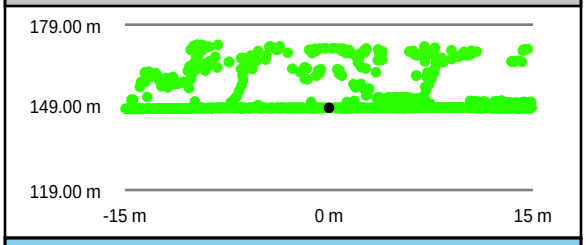
Project Context



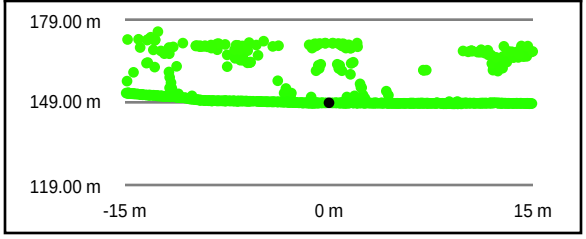
World Imagery



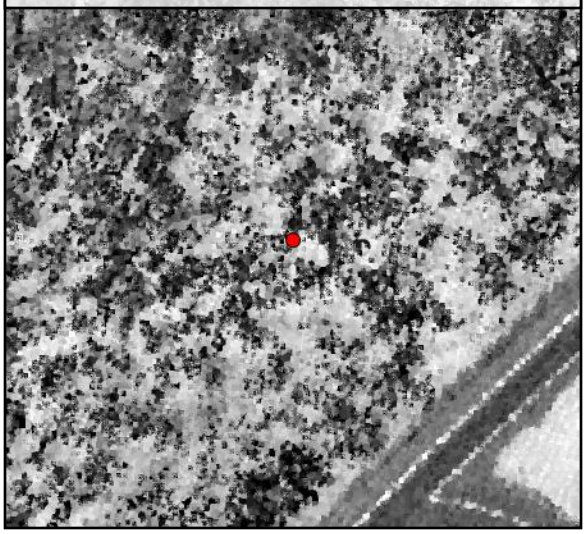
Southwest to Northeast



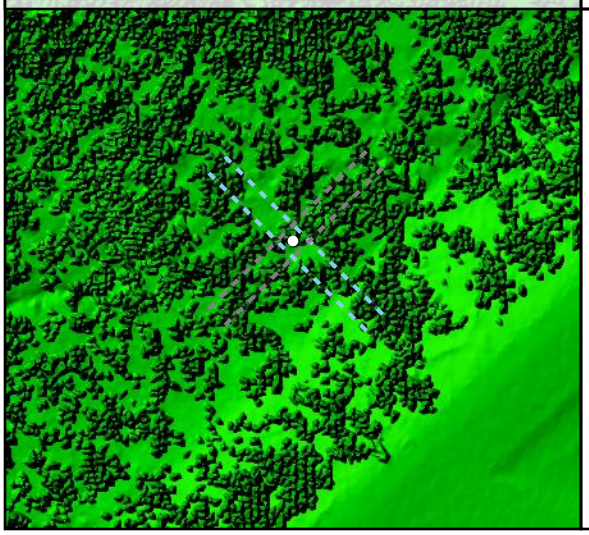
Southeast to Northwest



Intensity Raster



TIN Surface

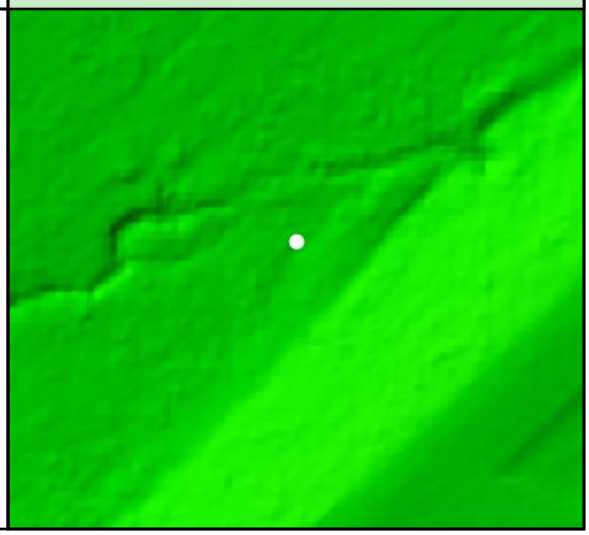


Project Elevation

716.97

103.02

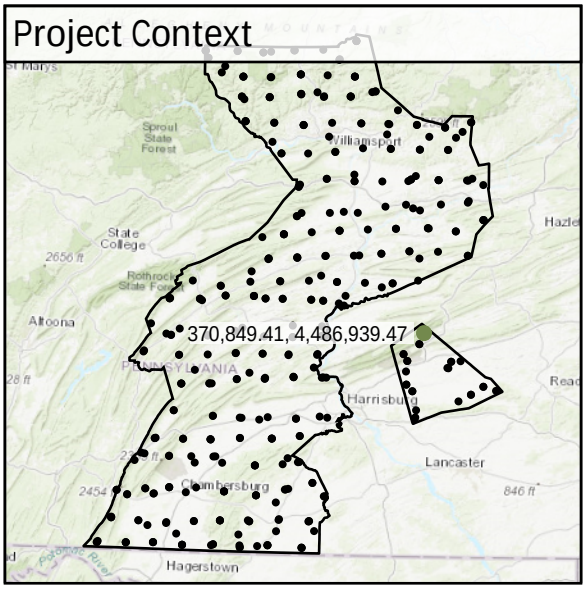
DEM Surface



FO57

Known Z	269.06 m	Point Density	3.89 ppsm
DEM Dz	-0.02 m	Ground Density	5.76 ppsm
All Points TIN Dz	N/A	Slope	6.88 °

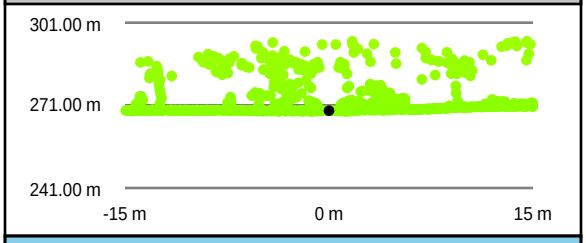
Project Context



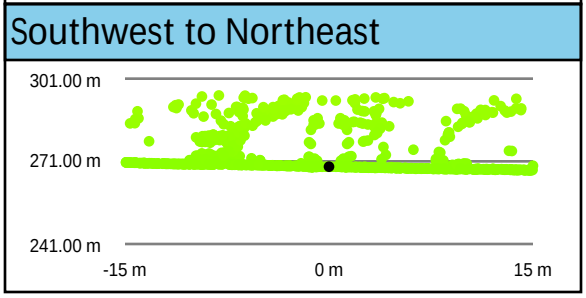
World Imagery



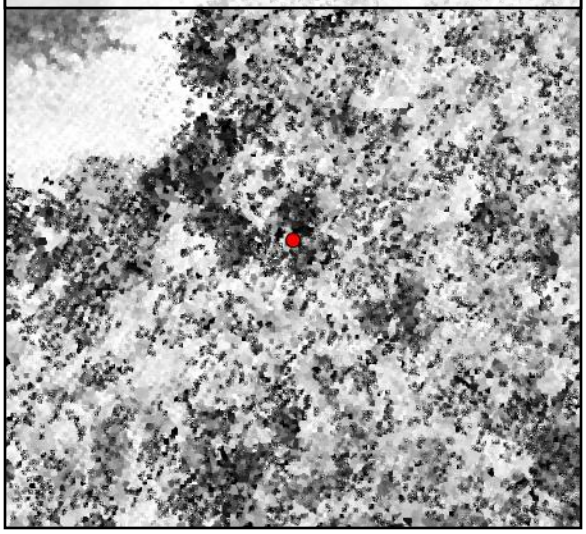
Southeast to Northwest



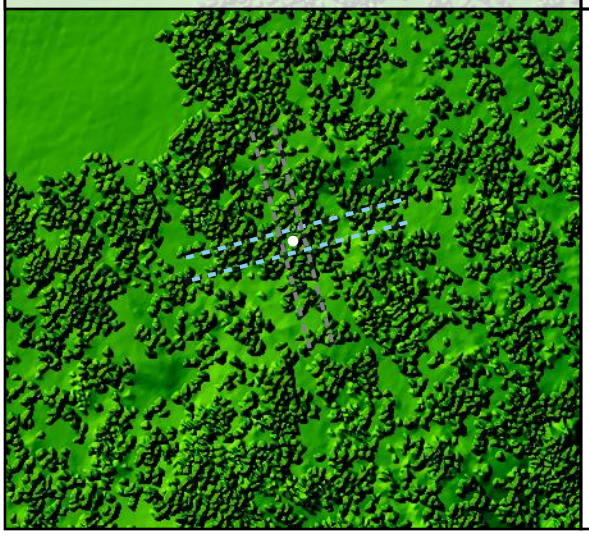
Southwest to Northeast



Intensity Raster



TIN Surface

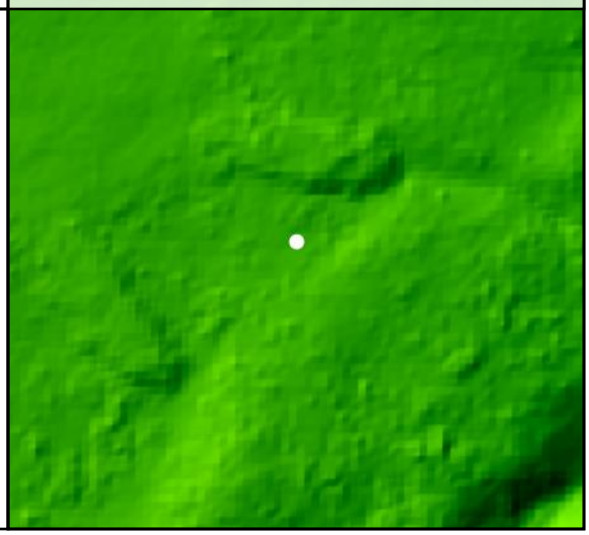


Project Elevation

716.97

103.02

DEM Surface



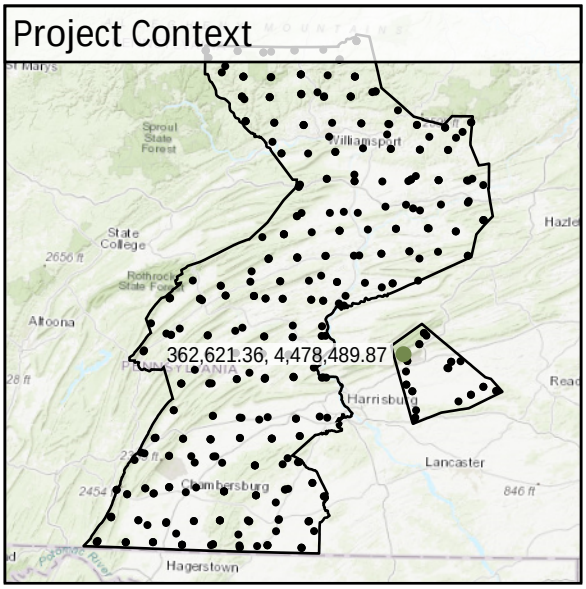
DEM Dz -0.02 m

VVA - FO57

FO58

Known Z	197.64 m	Point Density	3.78 ppsm
DEM Dz	-0.02 m	Ground Density	3.32 ppsm
All Points TIN Dz	N/A	Slope	4.20 °

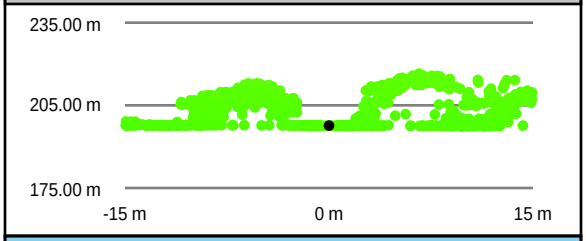
Project Context



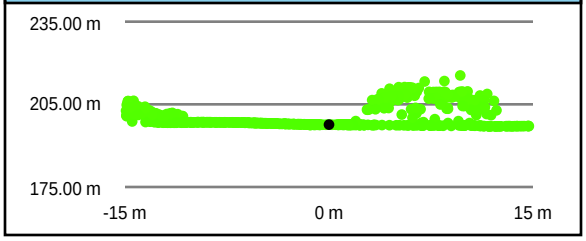
World Imagery



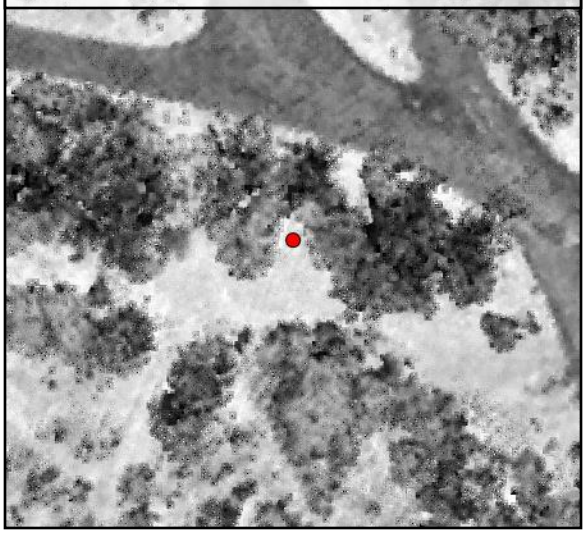
West to East



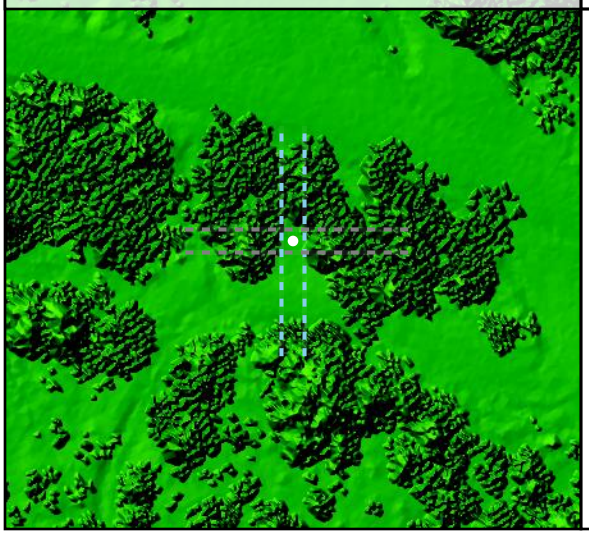
South to North



Intensity Raster



TIN Surface

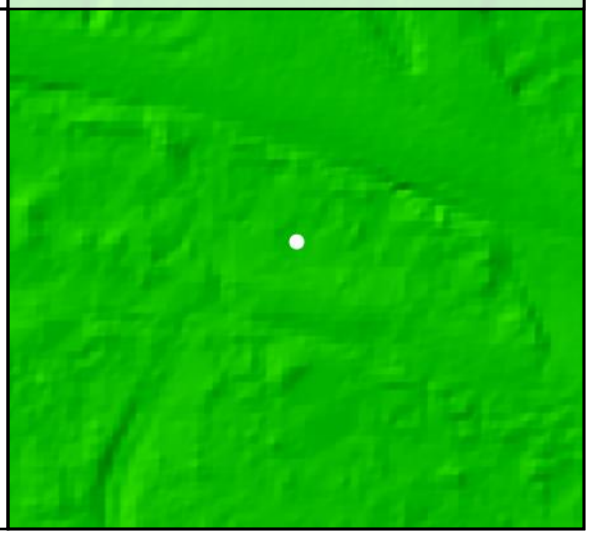


Project Elevation

716.97

103.02

DEM Surface



DEM Dz -0.02 m

VVA - FO58

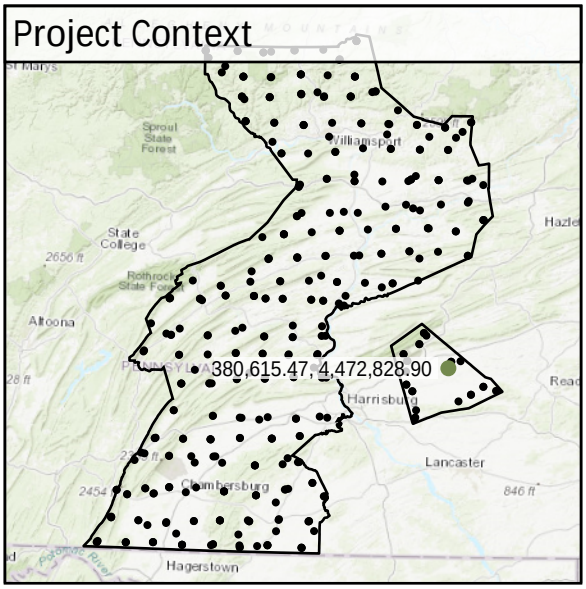
FO59

Known Z	139.18 m	Point Density	4.00 ppsm
DEM Dz	0.04 m	Ground Density	3.22 ppsm
All Points TIN Dz	N/A	Slope	1.98 °

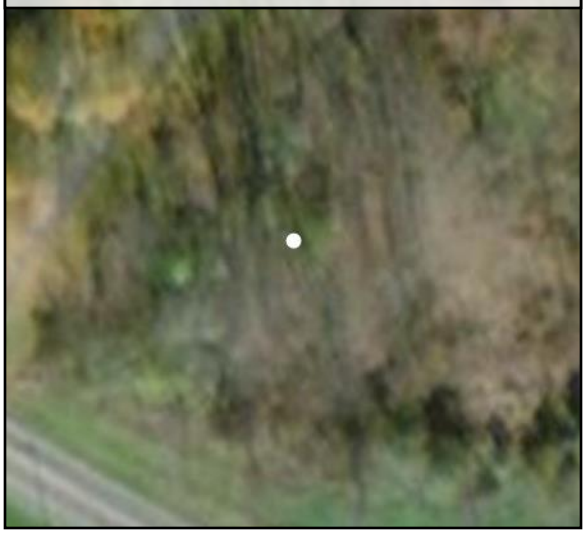
DEM Dz +0.04 m

VVA - FO59

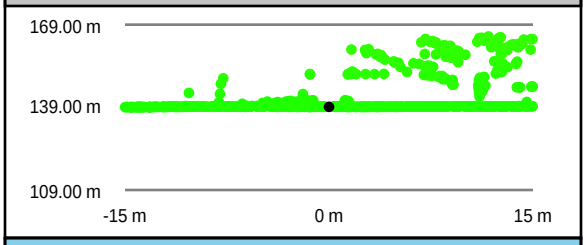
Project Context



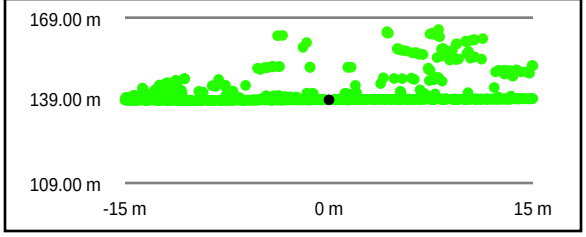
World Imagery



Southeast to Northwest



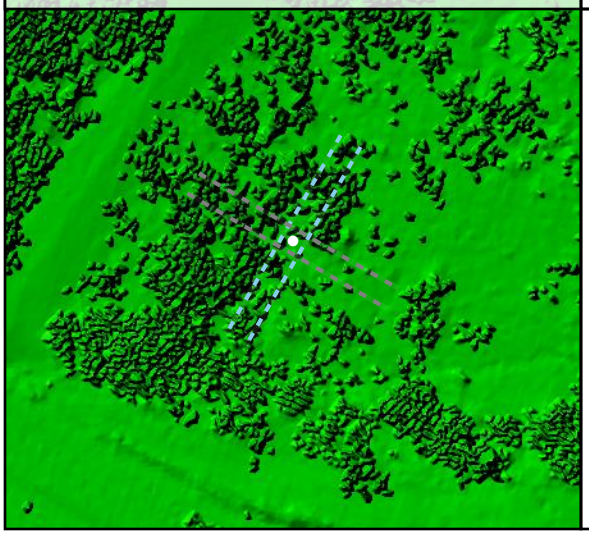
Southwest to Northeast



Intensity Raster



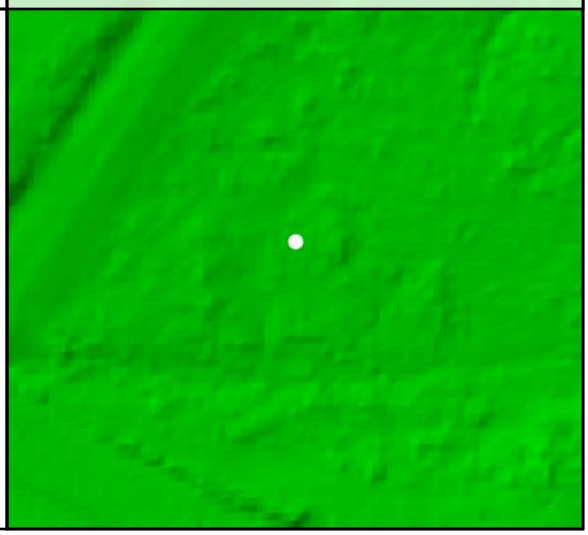
TIN Surface



Project Elevation



DEM Surface



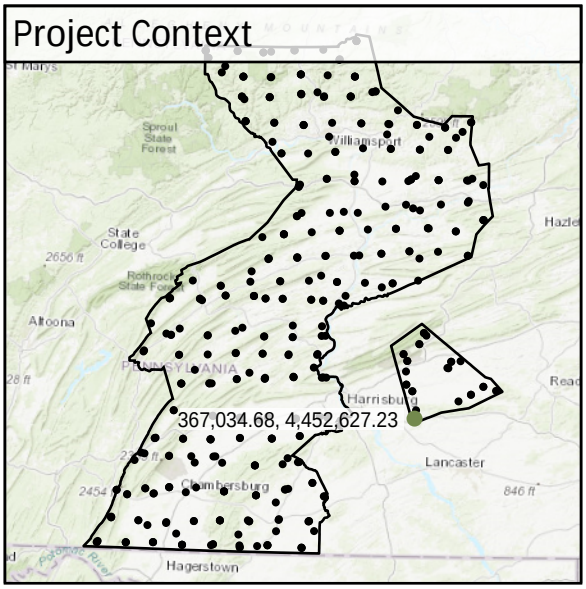
FO60

Known Z	134.08 m	Point Density	4.92 ppsm
DEM Dz	0.10 m	Ground Density	4.21 ppsm
All Points TIN Dz	N/A	Slope	10.00 °

DEM Dz +0.10 m

VVA - FO60

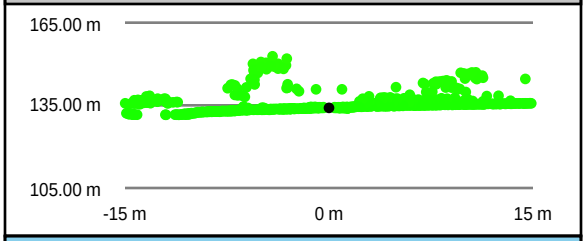
Project Context



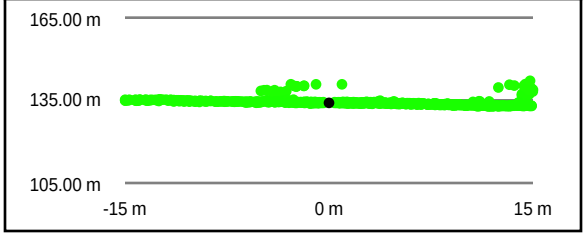
World Imagery



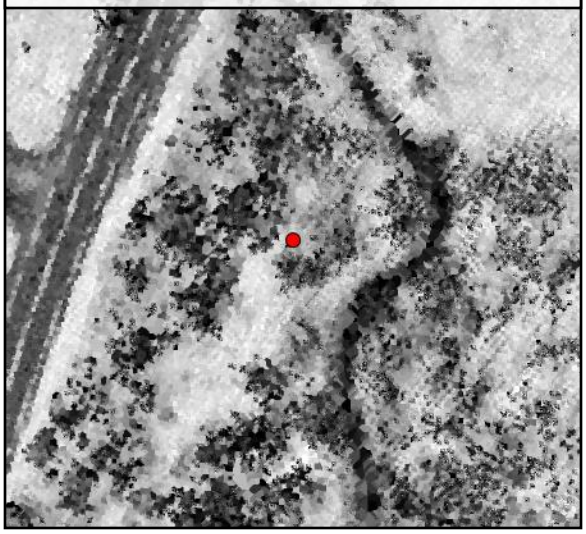
Southeast to Northwest



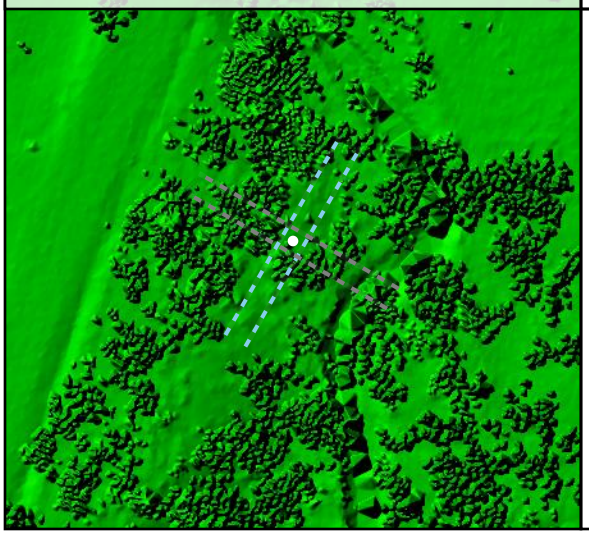
Southwest to Northeast



Intensity Raster



TIN Surface

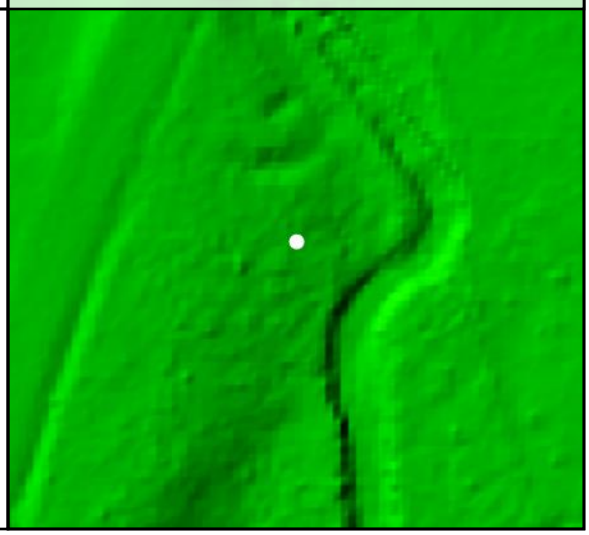


Project Elevation

716.97

103.02

DEM Surface

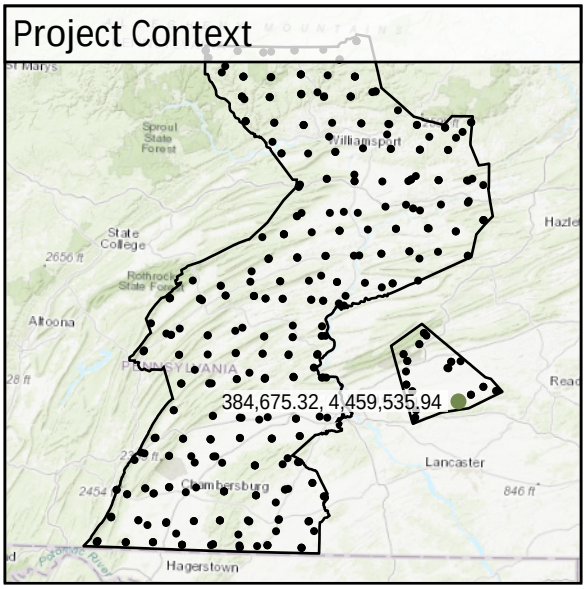


FO61				
	Known Z	192.20 m	Point Density	3.82 ppsm
	DEM Dz	0.05 m	Ground Density	3.36 ppsm
	All Points TIN Dz	N/A	Slope	3.87 °

DEM Dz +0.05 m

VVA - FO61

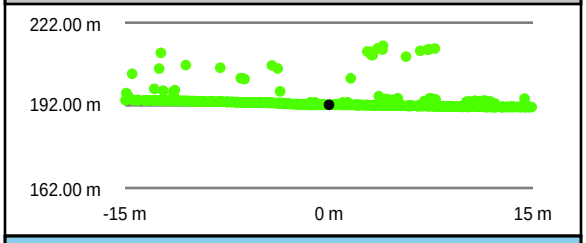
Project Context



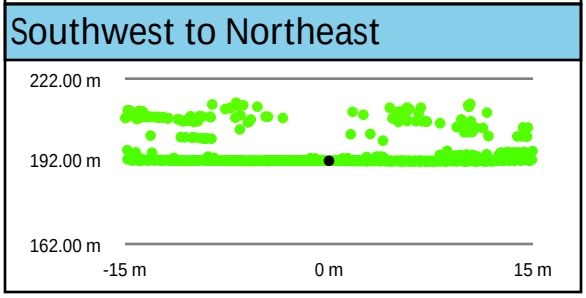
World Imagery



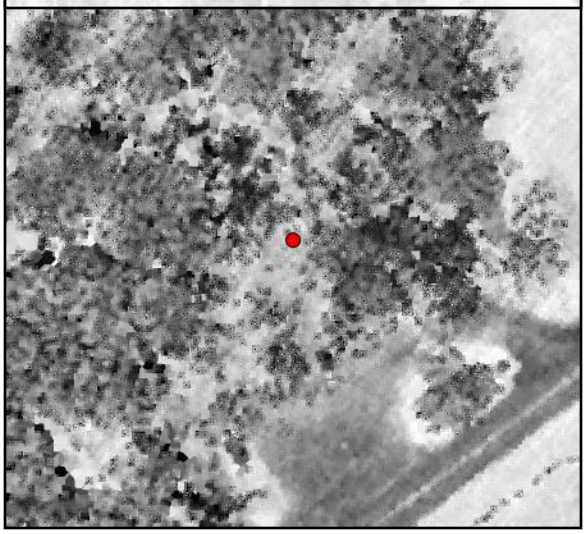
Southeast to Northwest



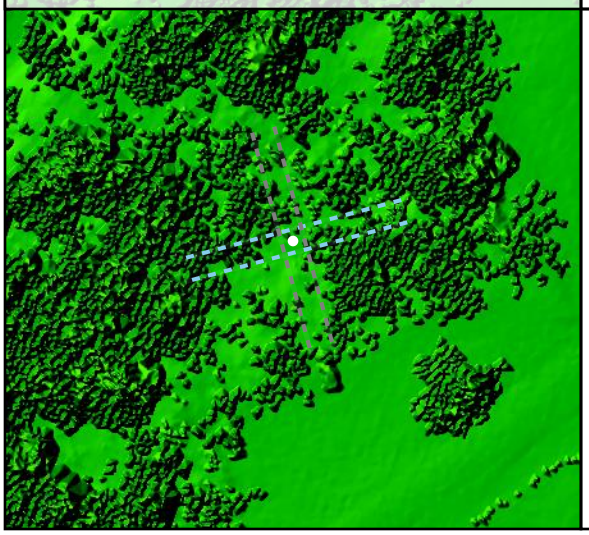
Southwest to Northeast



Intensity Raster



TIN Surface

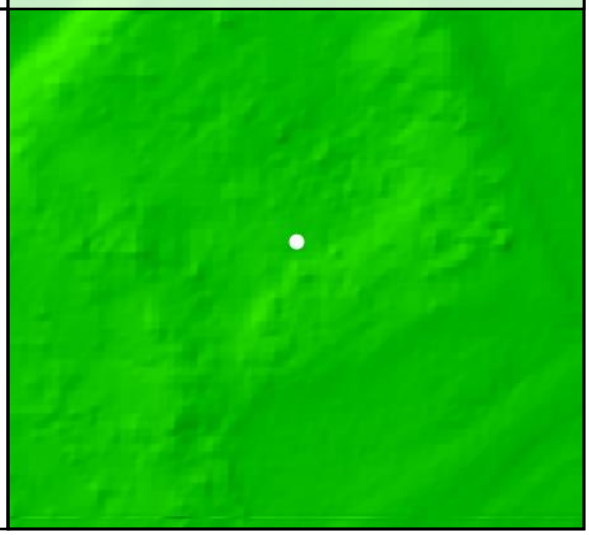


Project Elevation

716.97

103.02

DEM Surface

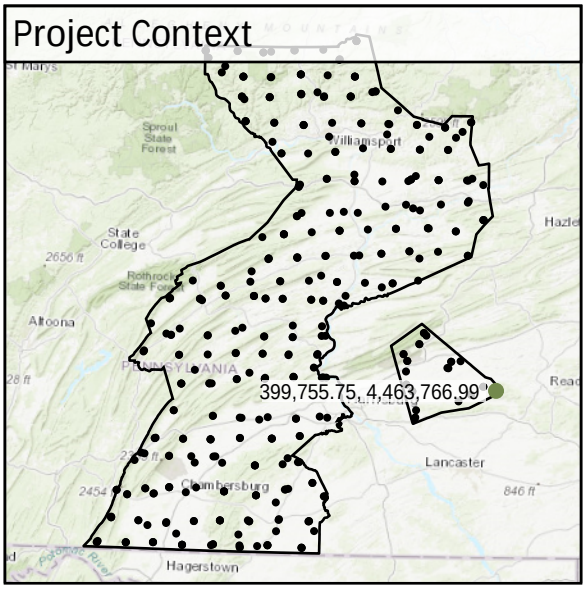


SH01				
	Known Z	282.32 m	Point Density	5.55 ppsm
	DEM Dz	0.08 m	Ground Density	4.03 ppsm
	All Points TIN Dz	N/A	Slope	3.88 °

DEM Dz +0.08 m

VVA - SH01

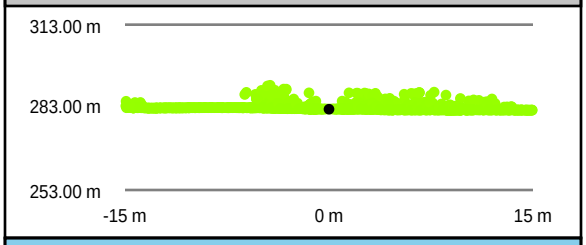
Project Context



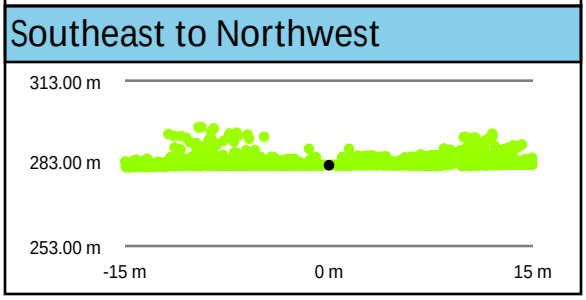
World Imagery



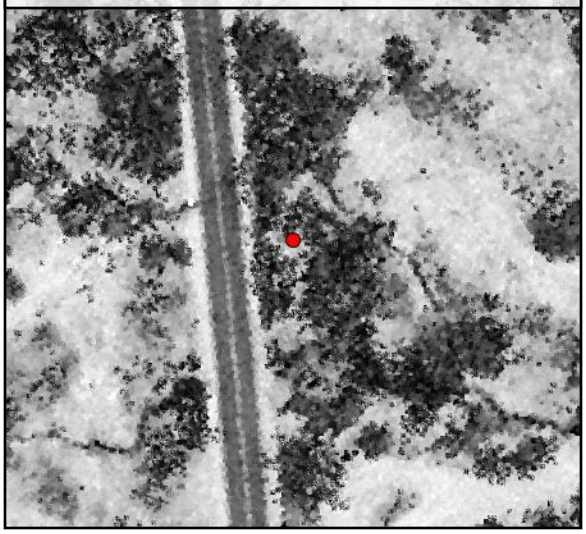
Southwest to Northeast



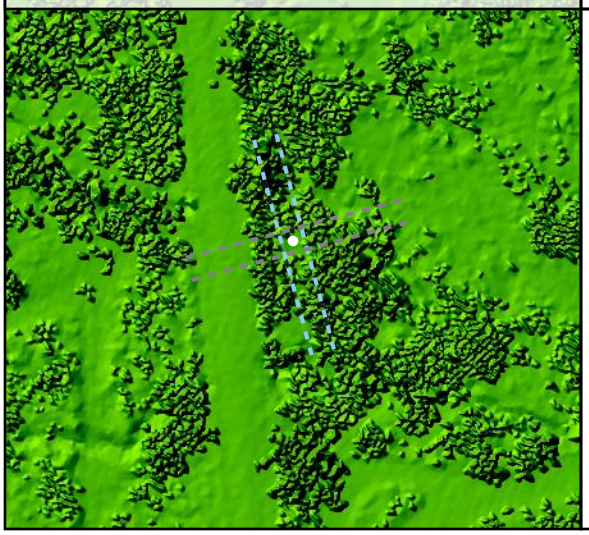
Southeast to Northwest



Intensity Raster



TIN Surface

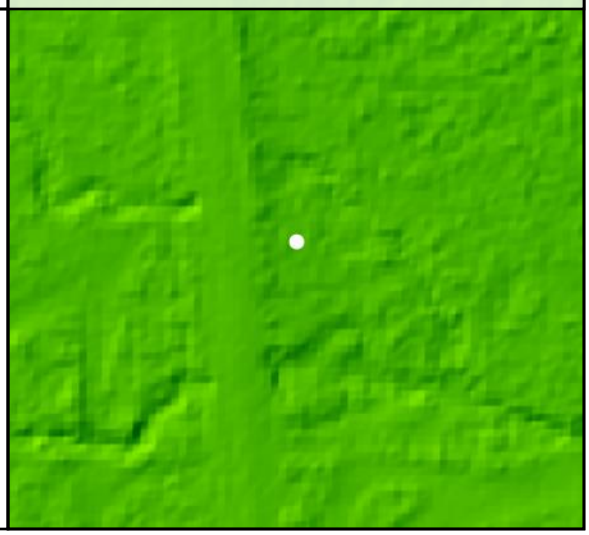


Project Elevation

716.97

103.02

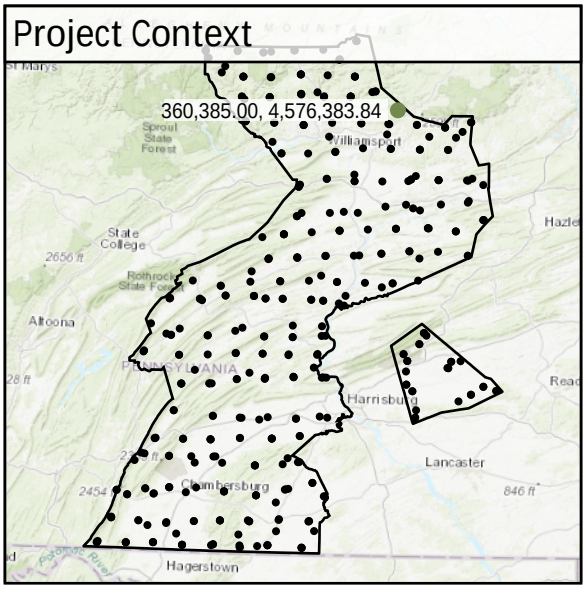
DEM Surface



SH02

Known Z	259.44 m	Point Density	7.00 ppsm
DEM Dz	0.04 m	Ground Density	3.50 ppsm
All Points TIN Dz	N/A	Slope	7.80 °

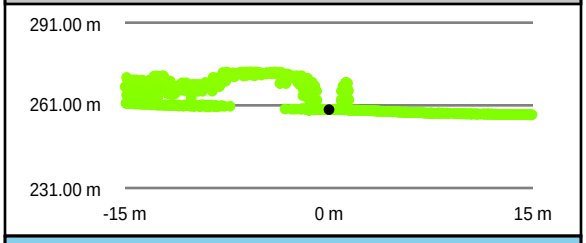
Project Context



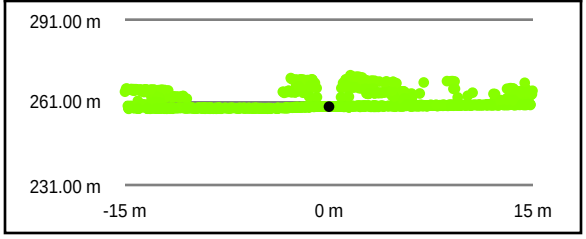
World Imagery



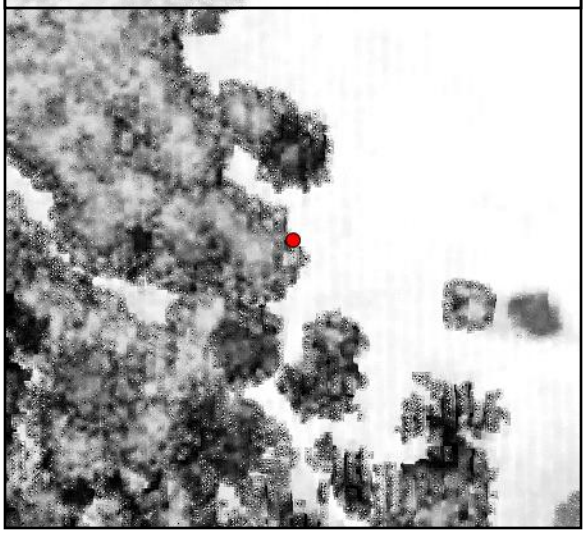
Southwest to Northeast



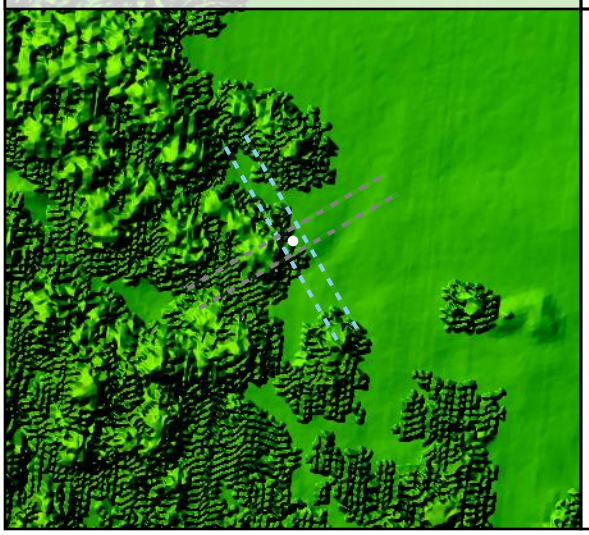
Southeast to Northwest



Intensity Raster



TIN Surface

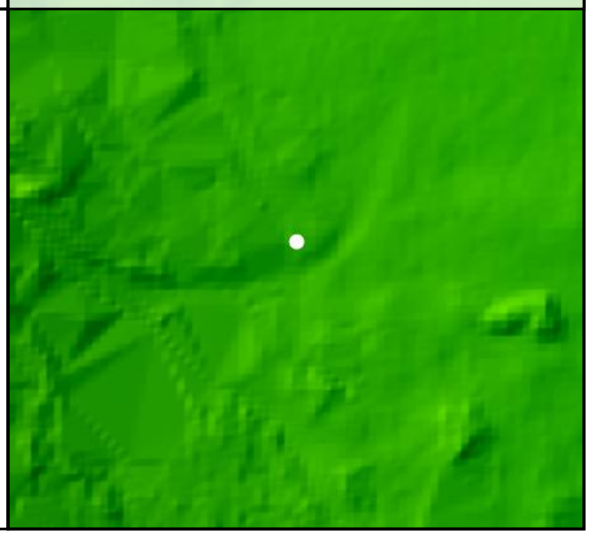


Project Elevation

716.97

103.02

DEM Surface



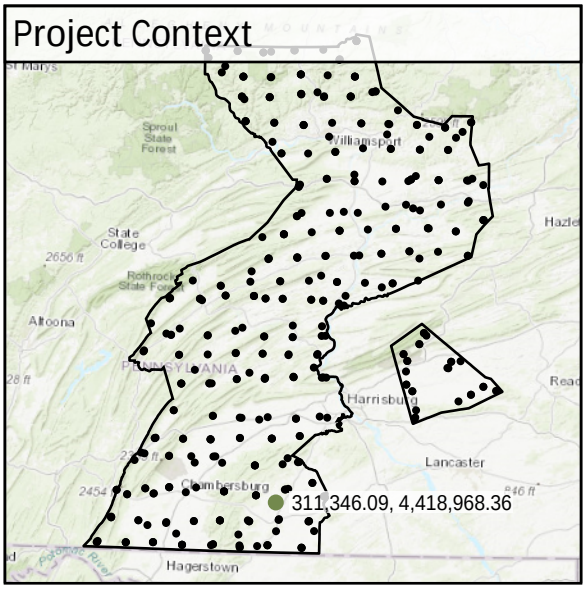
DEM Dz +0.04 m

VVA - SH02

SH03

Known Z	163.27 m	Point Density	4.60 ppsm
DEM Dz	0.03 m	Ground Density	3.89 ppsm
All Points TIN Dz	N/A	Slope	3.10 °

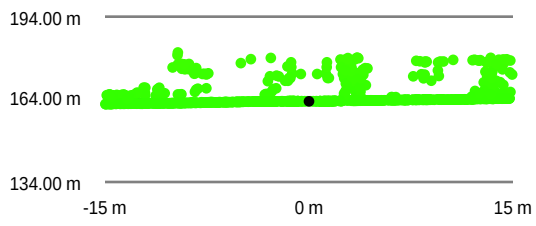
Project Context



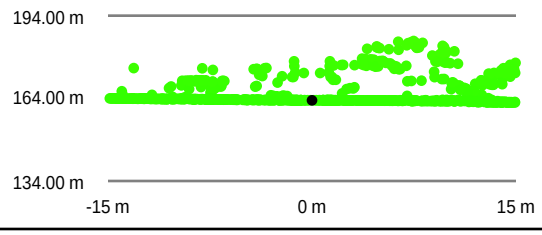
World Imagery



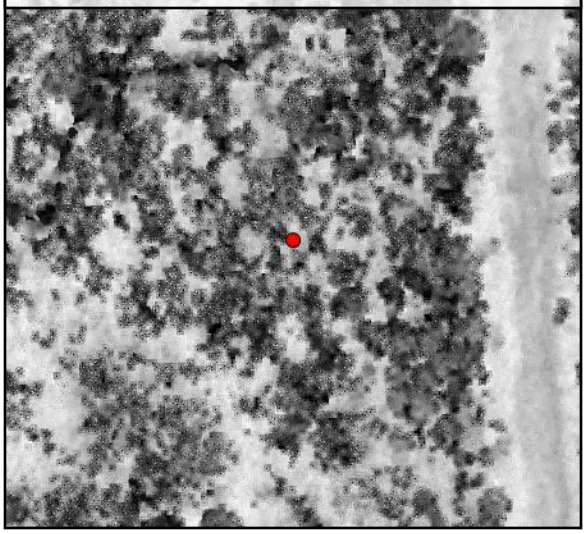
West to East



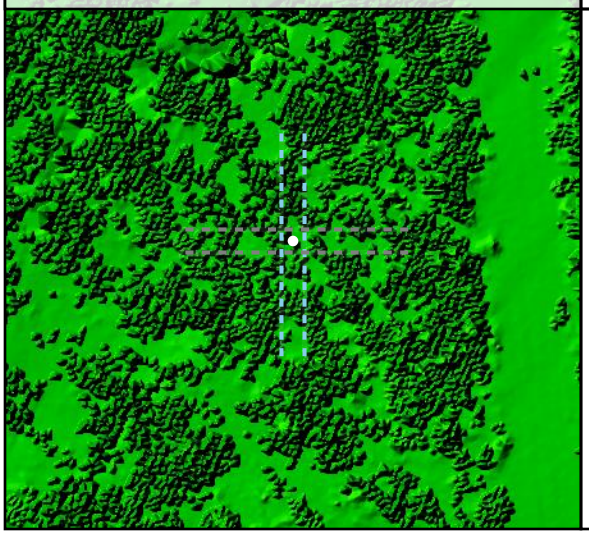
South to North



Intensity Raster



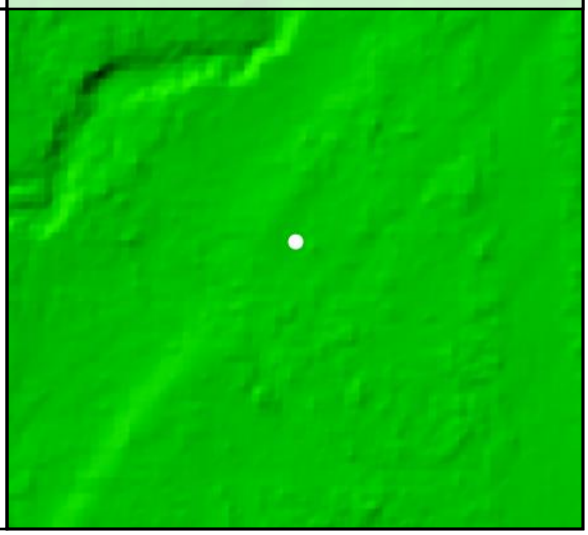
TIN Surface



Project Elevation



DEM Surface

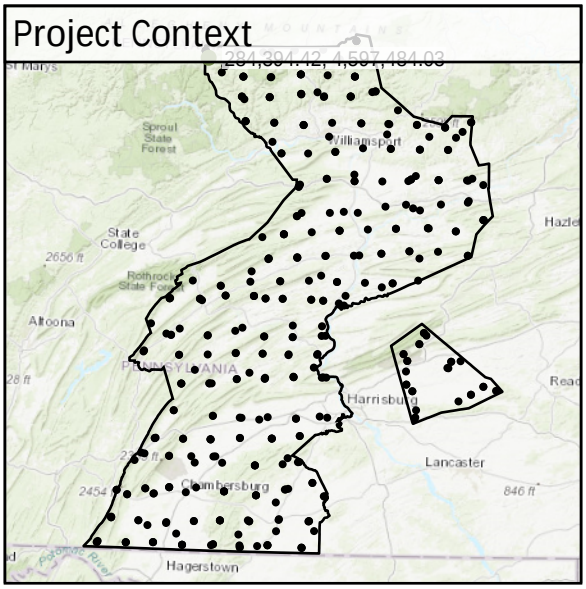


DEM Dz +0.03 m

VVA - SH03

TW01				
	Known Z	603.31 m	Point Density	6.61 ppsm
	DEM Dz	-0.02 m	Ground Density	2.83 ppsm
	All Points TIN Dz	N/A	Slope	0.47 °

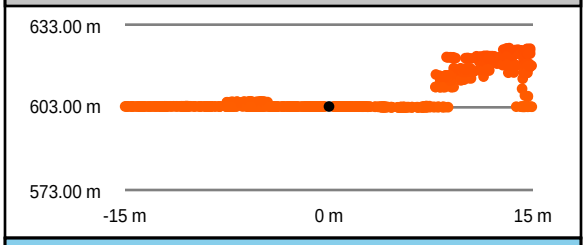
Project Context



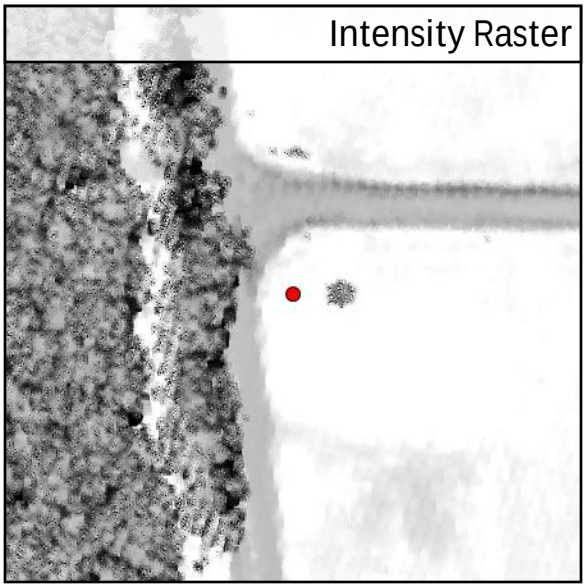
World Imagery



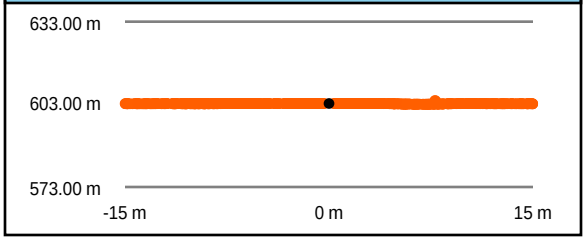
Southeast to Northwest



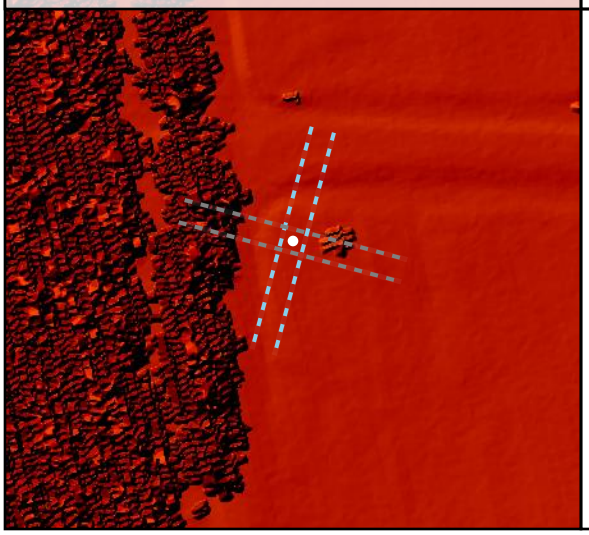
Intensity Raster



Southwest to Northeast



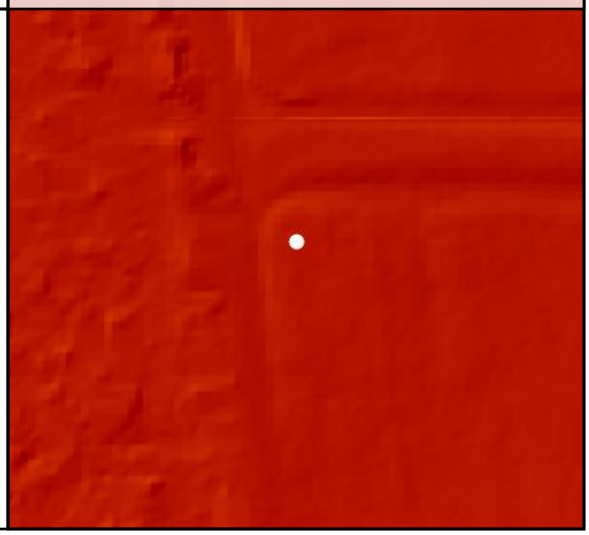
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.02 m

VVA - TW01

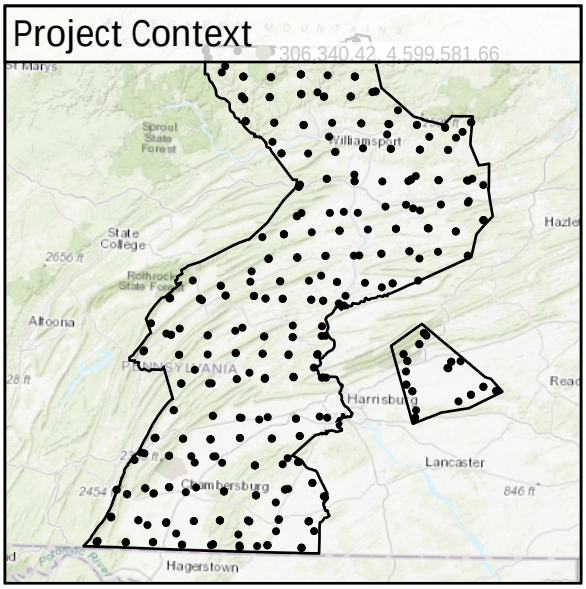
TW02

Known Z	532.67 m	Point Density	6.68 ppsm
DEM Dz	0.02 m	Ground Density	4.10 ppsm
All Points TIN Dz	N/A	Slope	3.89 °

DEM Dz +0.02 m

VVA - TW02

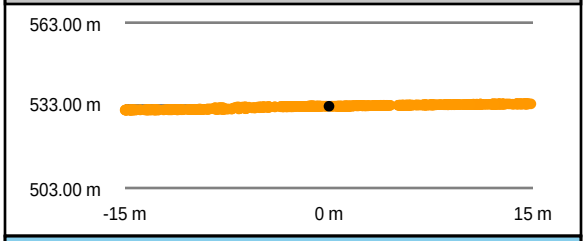
Project Context



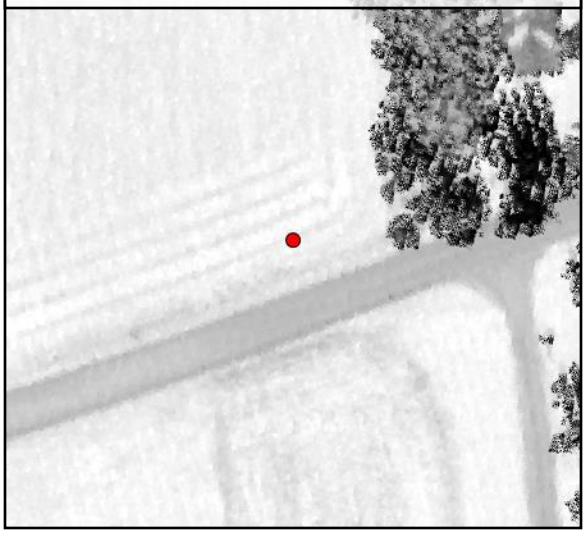
World Imagery



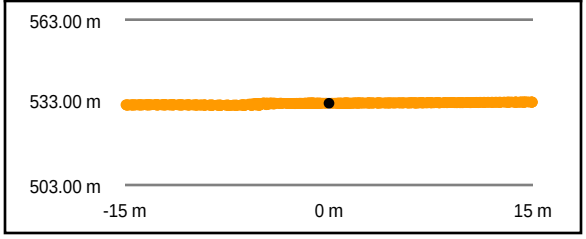
Southeast to Northwest



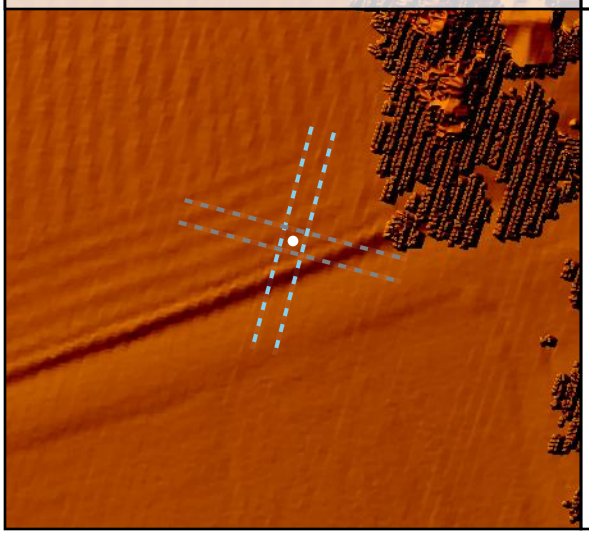
Intensity Raster



Southwest to Northeast



TIN Surface

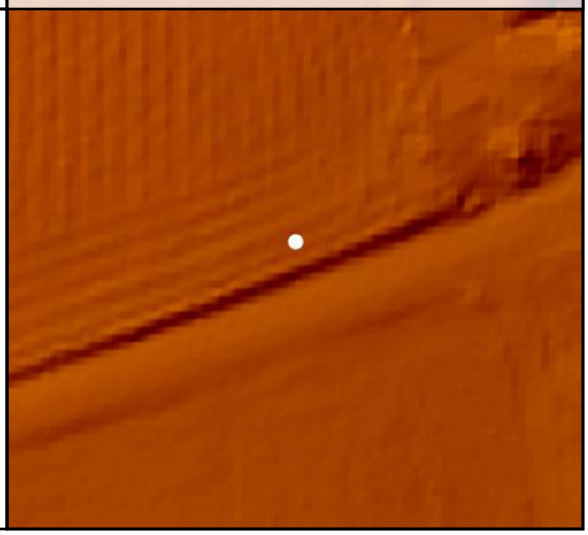


Project Elevation

716.97

103.02

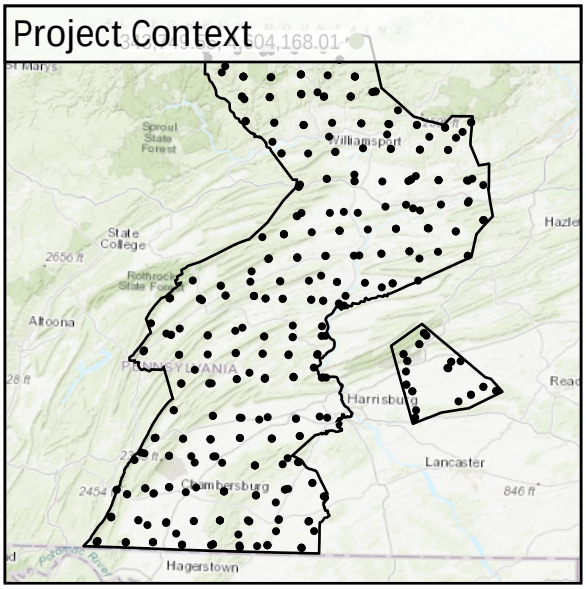
DEM Surface



TW03

Known Z	608.30 m	Point Density	6.76 ppsm
DEM Dz	-0.02 m	Ground Density	4.49 ppsm
All Points TIN Dz	N/A	Slope	6.59 °

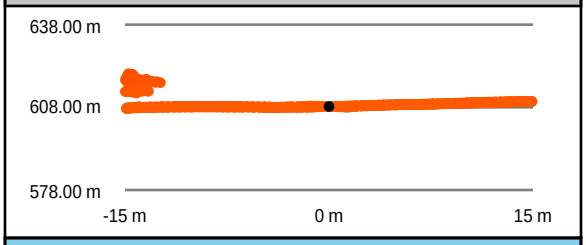
Project Context



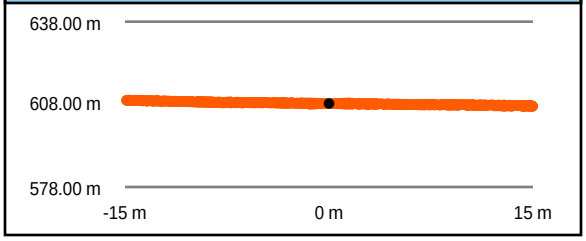
World Imagery



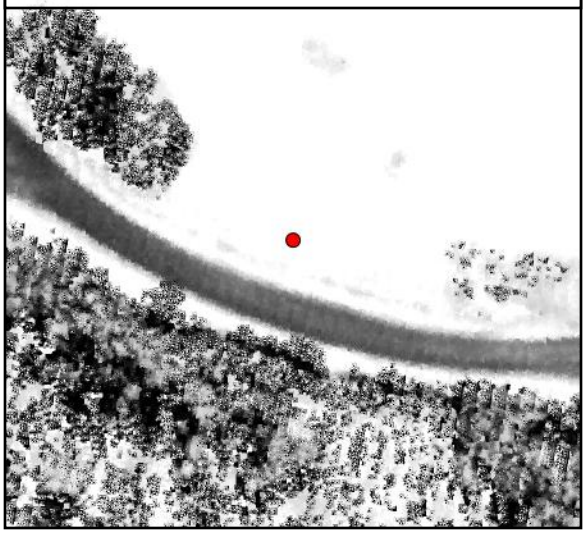
South to North



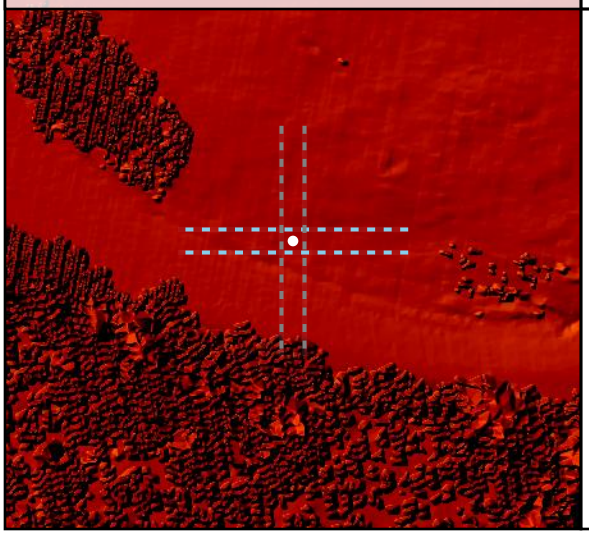
West to East



Intensity Raster



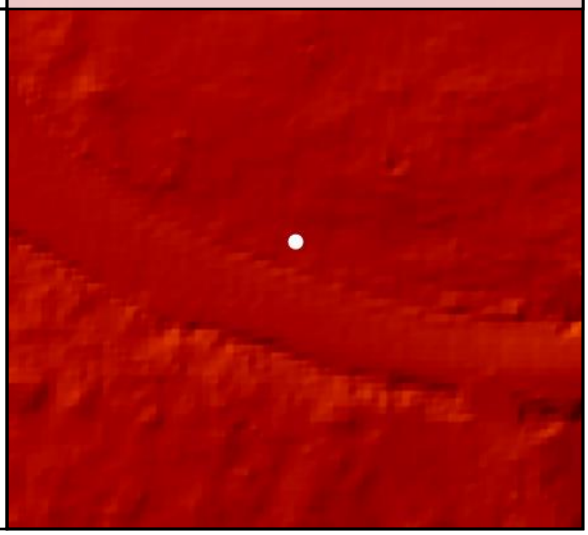
TIN Surface



Project Elevation



DEM Surface



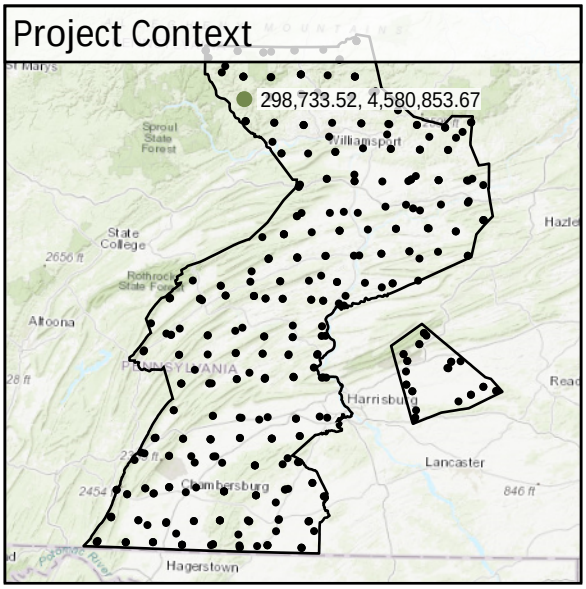
DEM Dz -0.02 m

VVA - TW03

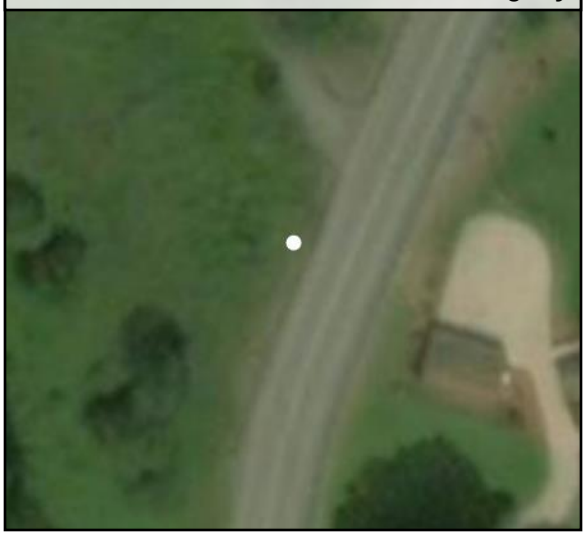
TW04

Known Z	206.84 m	Point Density	2.51 ppsm
DEM Dz	0.03 m	Ground Density	2.51 ppsm
All Points TIN Dz	N/A	Slope	7.20 °

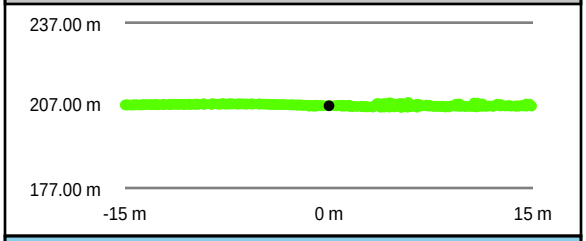
Project Context



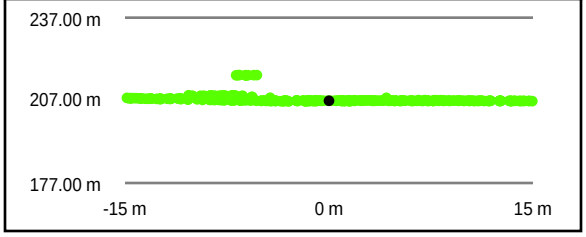
World Imagery



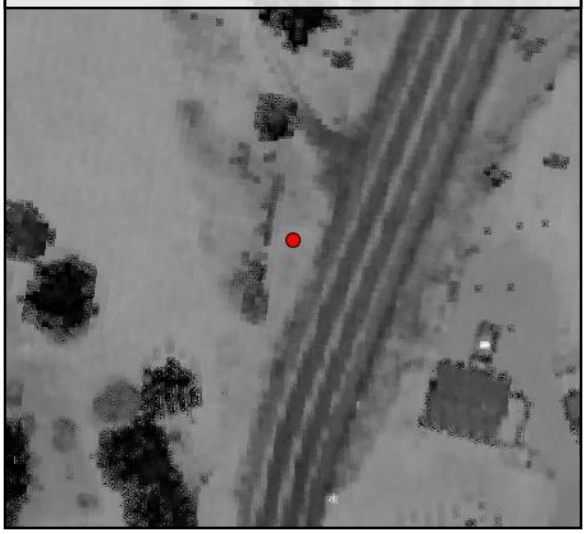
Southeast to Northwest



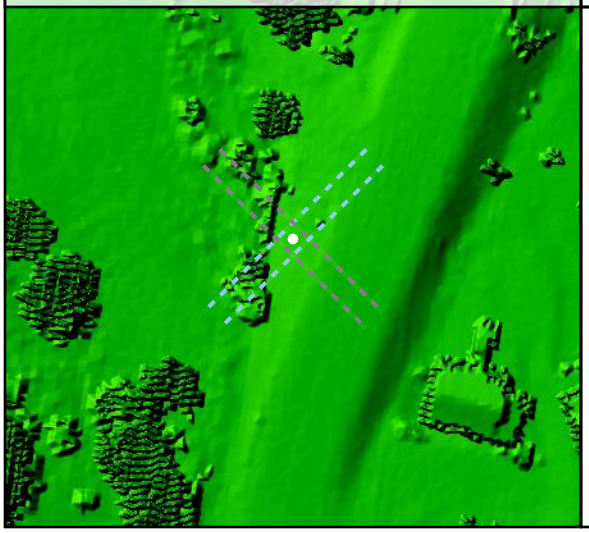
Southwest to Northeast



Intensity Raster



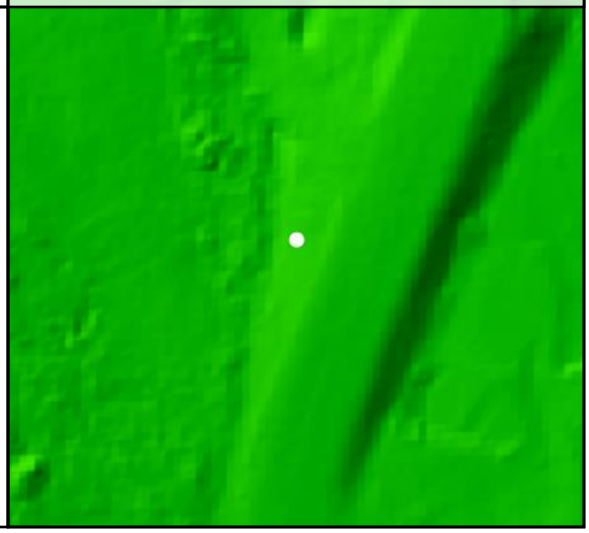
TIN Surface



Project Elevation



DEM Surface

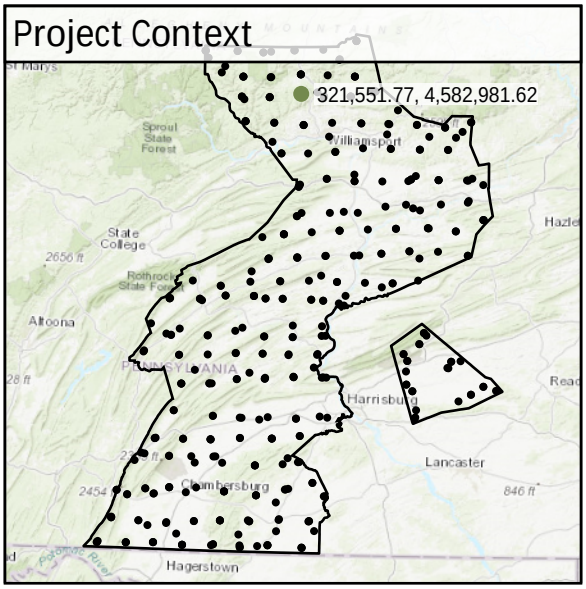


DEM Dz +0.03 m

VVA - TW04

TW05				
	Known Z	443.31 m	Point Density	5.41 ppsm
	DEM Dz	0.05 m	Ground Density	2.51 ppsm
	All Points TIN Dz	N/A	Slope	4.80 °

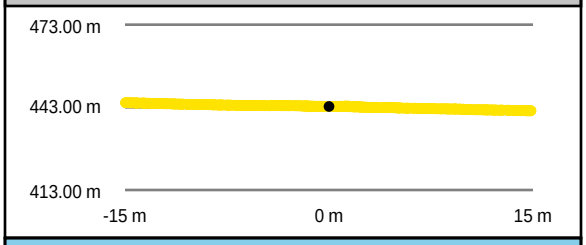
Project Context



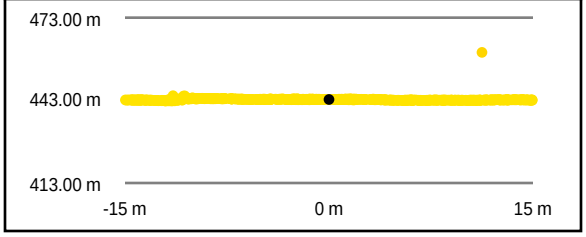
World Imagery



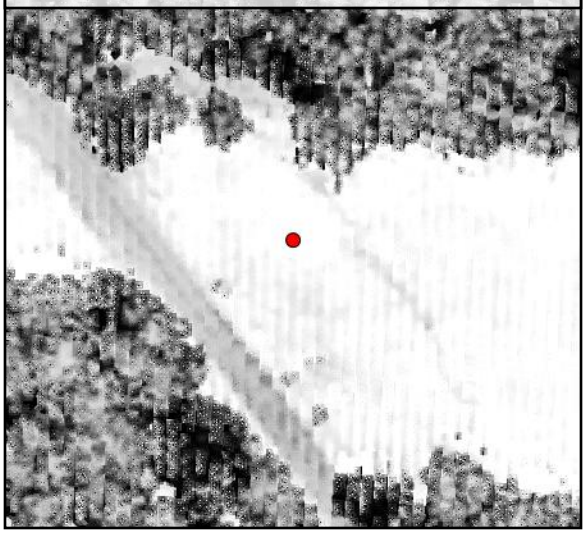
Southeast to Northwest



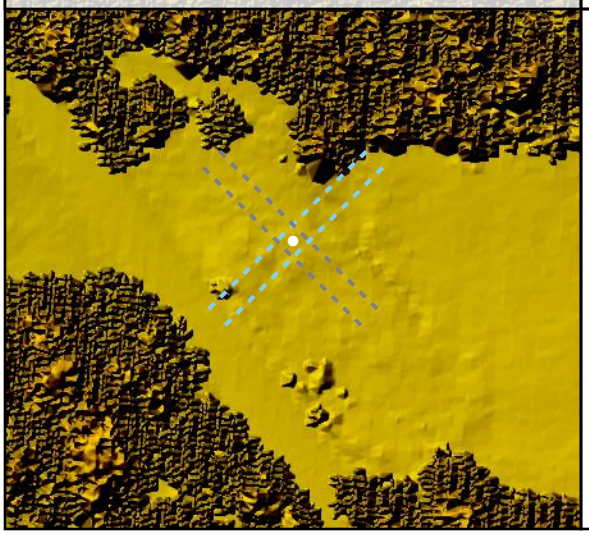
Southwest to Northeast



Intensity Raster



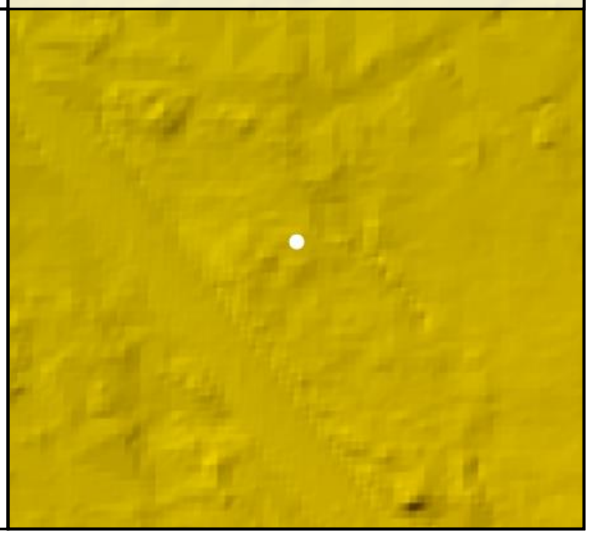
TIN Surface



Project Elevation



DEM Surface



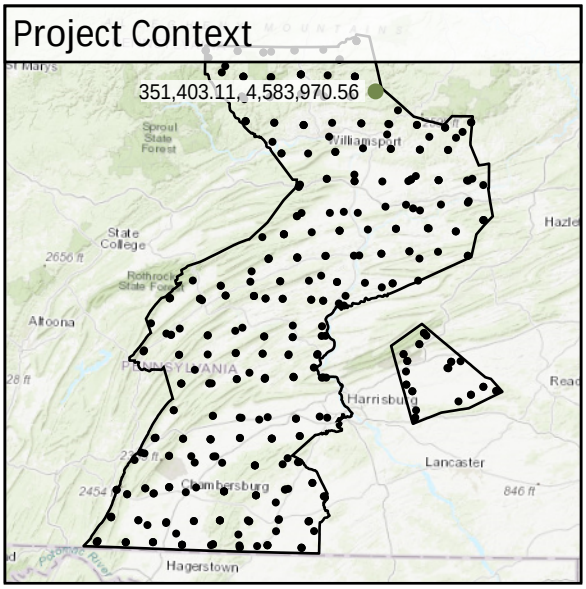
DEM Dz +0.05 m

VVA - TW05

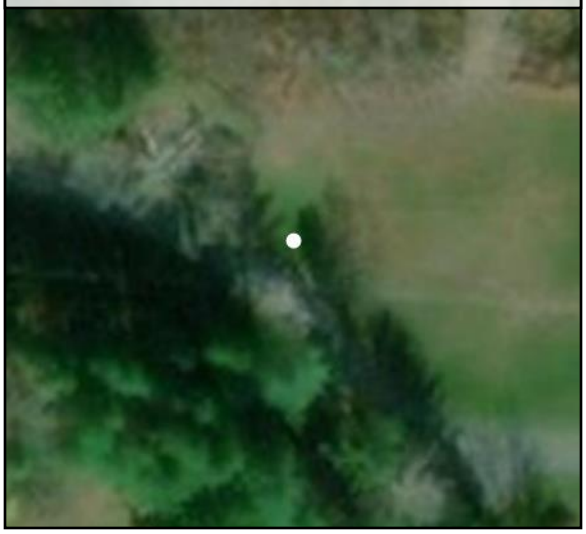
TW06

Known Z	227.95 m	Point Density	5.16 ppsm
DEM Dz	0.04 m	Ground Density	2.48 ppsm
All Points TIN Dz	N/A	Slope	3.35 °

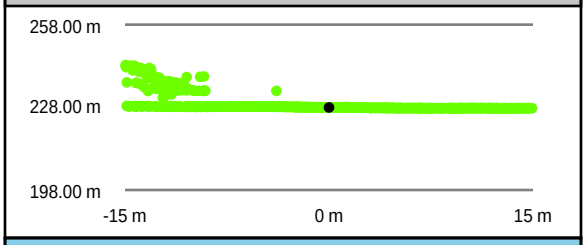
Project Context



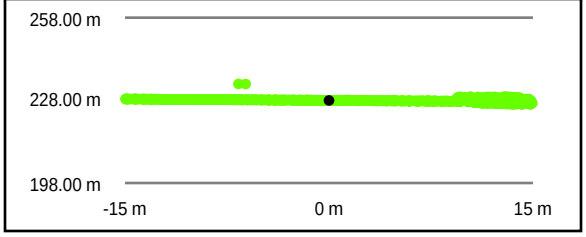
World Imagery



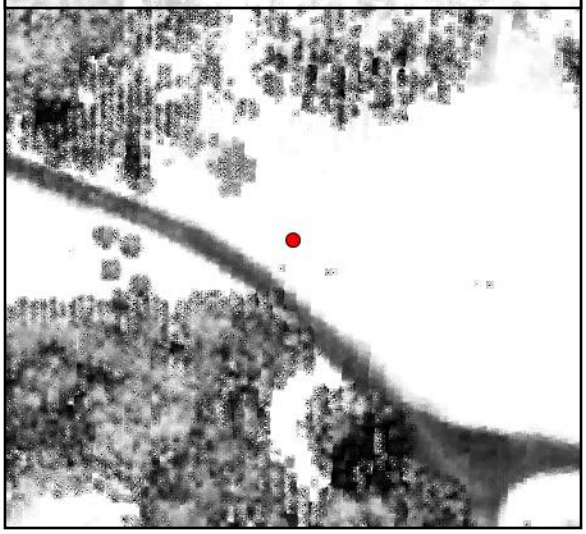
Southwest to Northeast



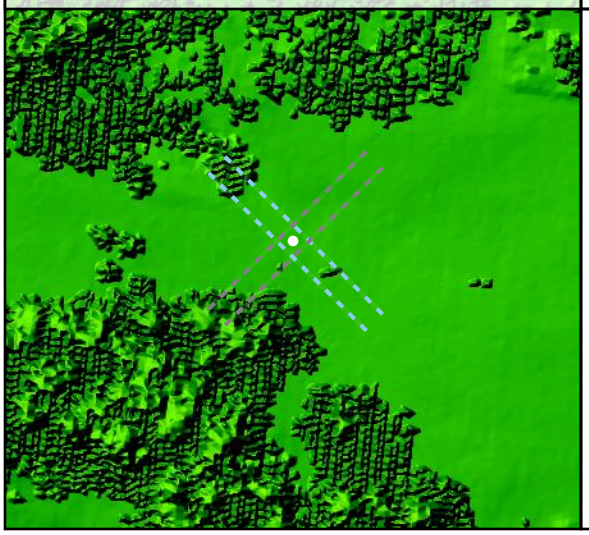
Southeast to Northwest



Intensity Raster



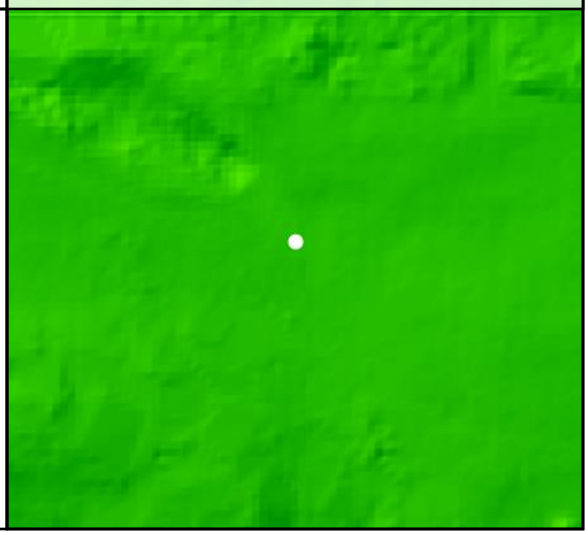
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.04 m

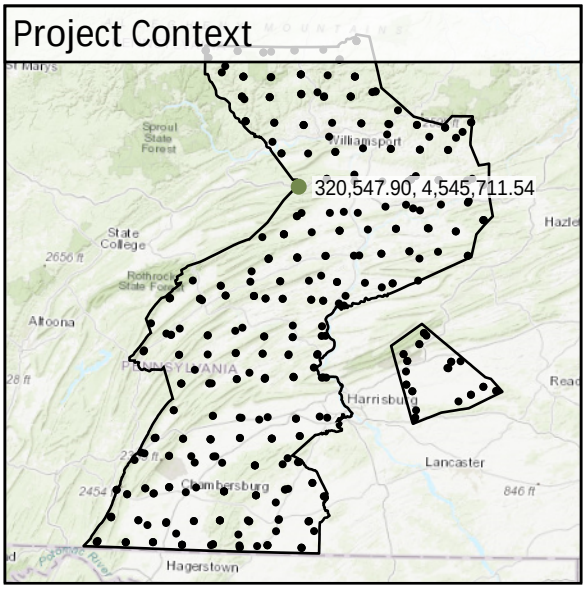
VVA - TW06

TW07				
	Known Z	453.76 m	Point Density	7.53 ppsm
	DEM Dz	-0.03 m	Ground Density	4.49 ppsm
	All Points TIN Dz	N/A	Slope	0.94 °

DEM Dz -0.03 m

VVA - TW07

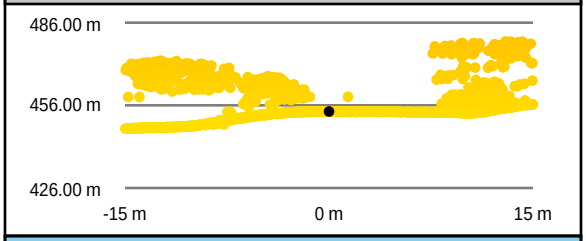
Project Context



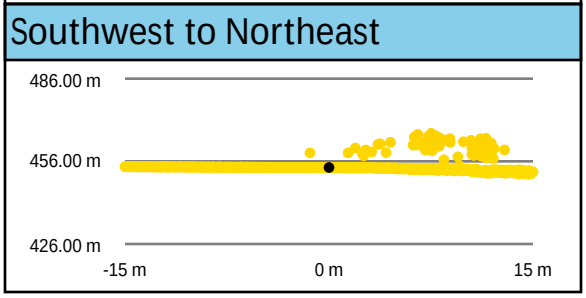
World Imagery



Southeast to Northwest



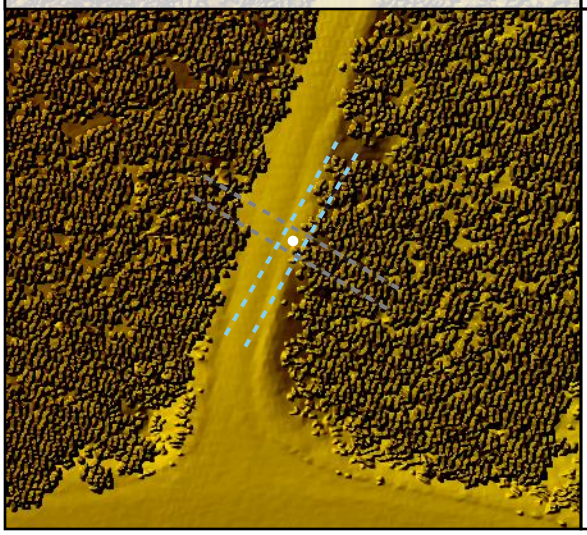
Southwest to Northeast



Intensity Raster



TIN Surface

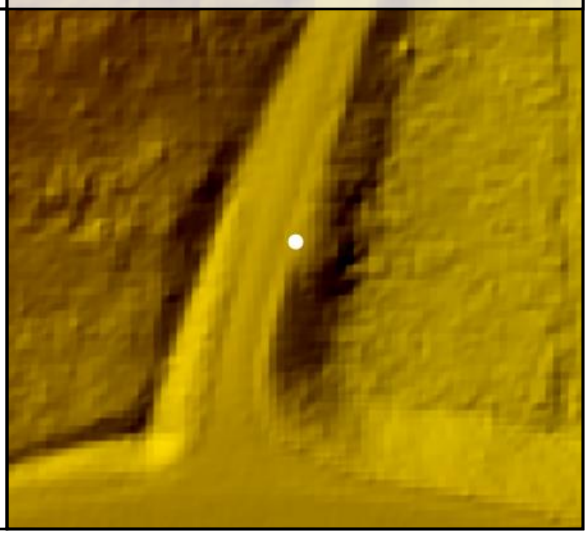


Project Elevation

716.97

103.02

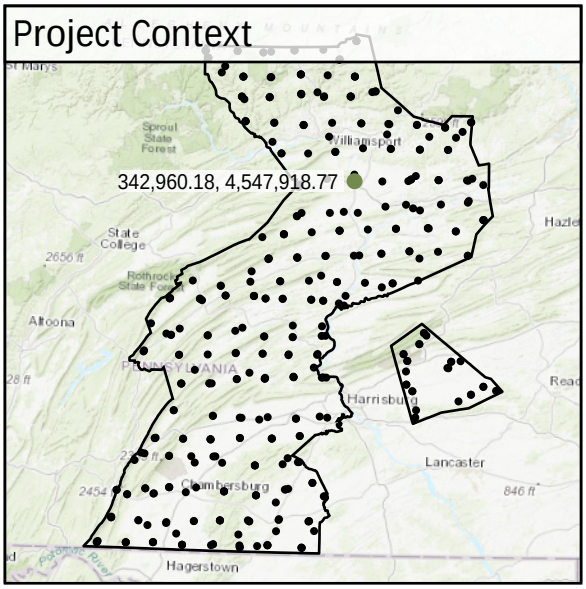
DEM Surface



TW08

Known Z	150.87 m	Point Density	7.43 ppsm
DEM Dz	-0.04 m	Ground Density	2.72 ppsm
All Points TIN Dz	N/A	Slope	2.08 °

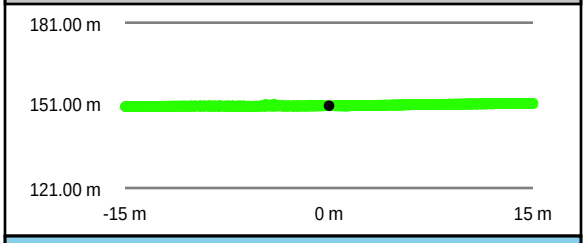
Project Context



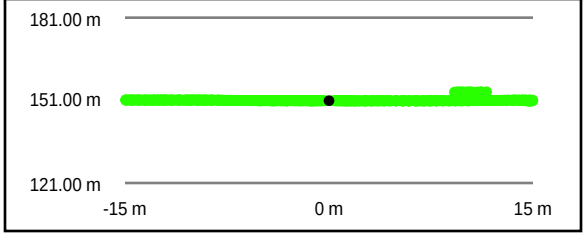
World Imagery



Southeast to Northwest



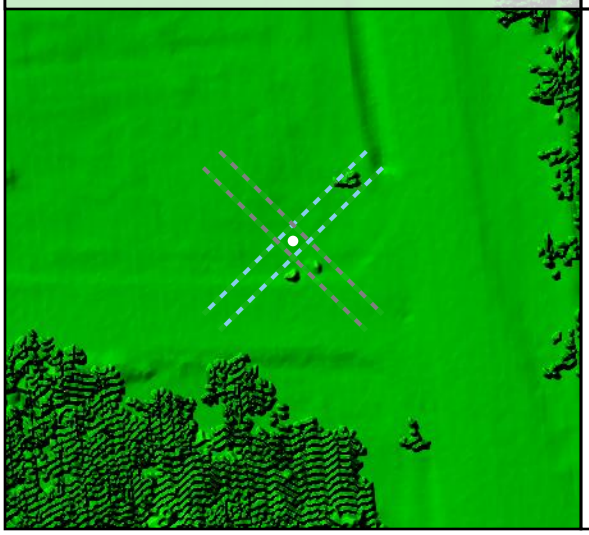
Southwest to Northeast



Intensity Raster



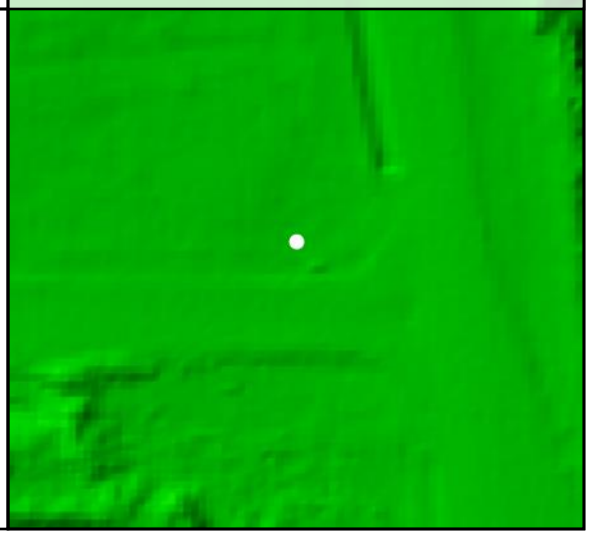
TIN Surface



Project Elevation



DEM Surface



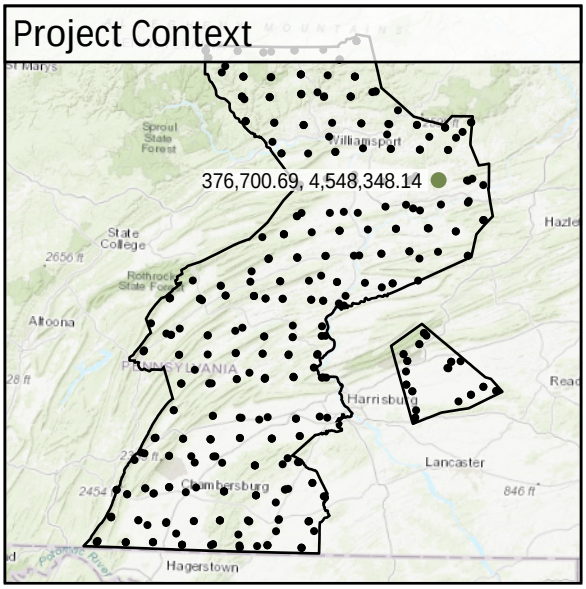
DEM Dz -0.04 m

VVA - TW08

TW09

Known Z	252.55 m	Point Density	4.17 ppsm
DEM Dz	0.00 m	Ground Density	4.17 ppsm
All Points TIN Dz	N/A	Slope	2.97 °

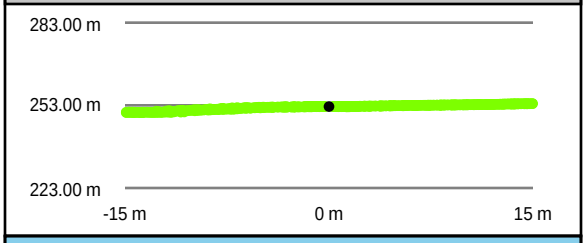
Project Context



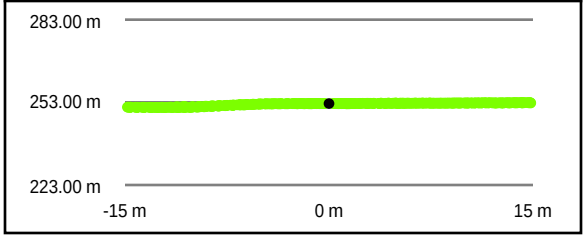
World Imagery



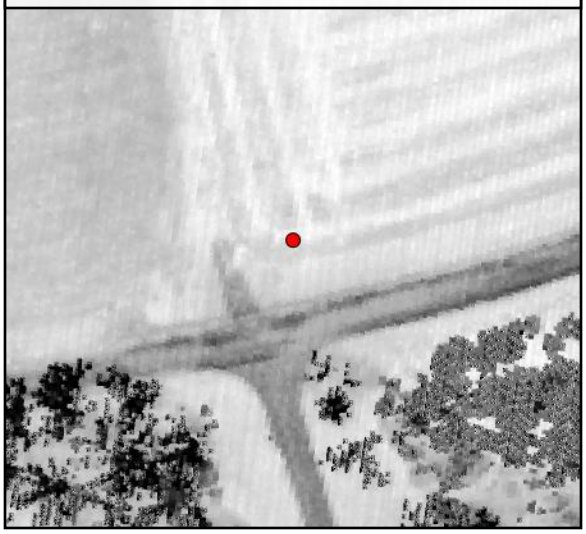
Southeast to Northwest



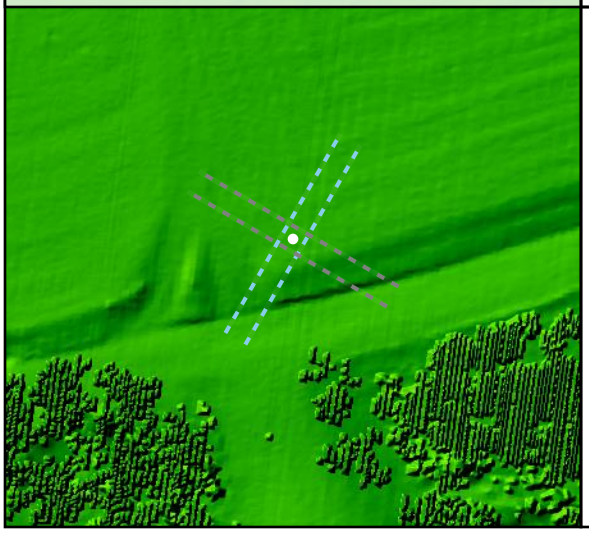
Southwest to Northeast



Intensity Raster



TIN Surface

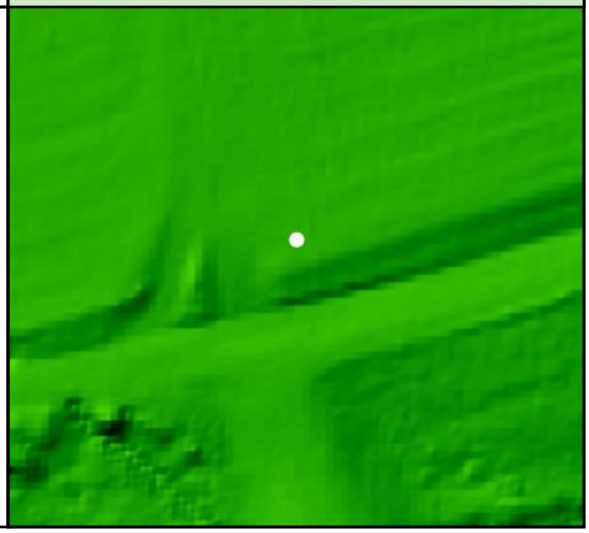


Project Elevation

716.97

103.02

DEM Surface



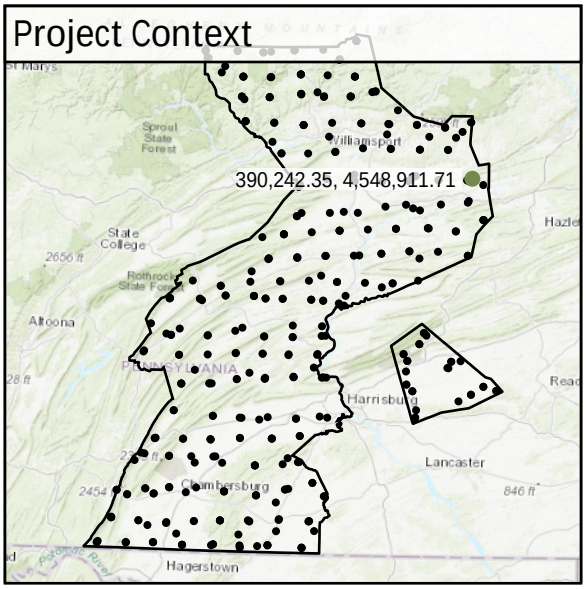
DEM Dz 0.00 m

VVA - TW09

TW10

Known Z	279.54 m	Point Density	5.48 ppsm
DEM Dz	-0.02 m	Ground Density	2.44 ppsm
All Points TIN Dz	N/A	Slope	2.72 °

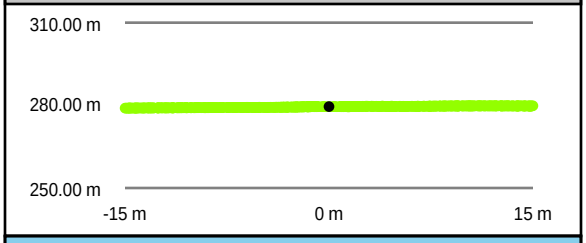
Project Context



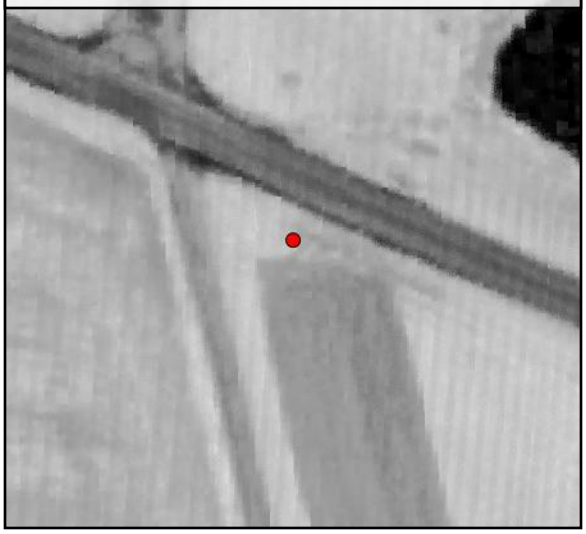
World Imagery



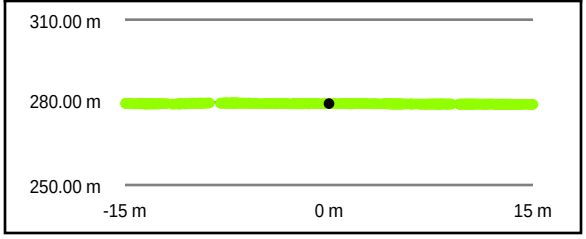
Southeast to Northwest



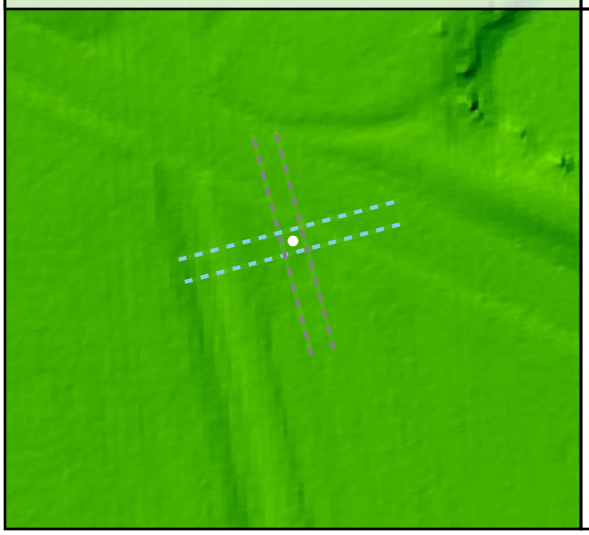
Intensity Raster



Southwest to Northeast



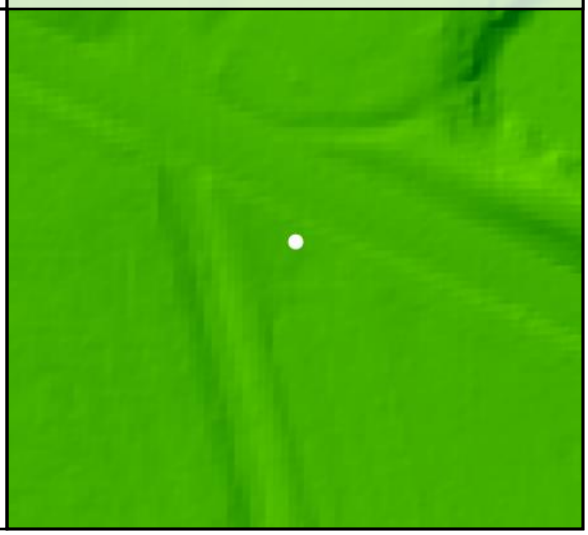
TIN Surface



Project Elevation



DEM Surface



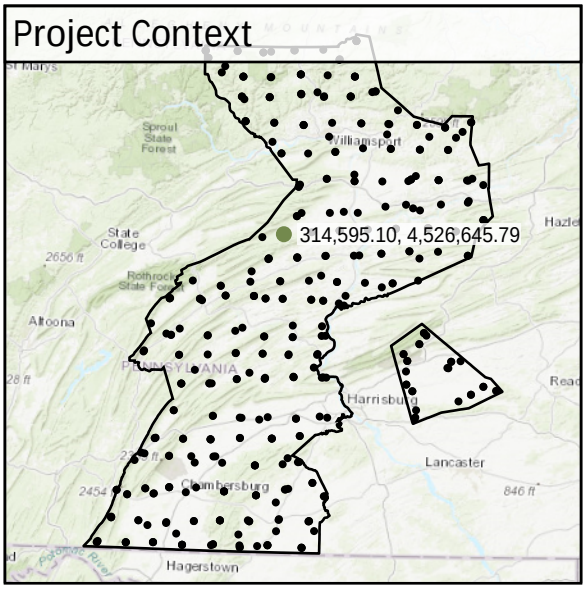
DEM Dz -0.02 m

VVA - TW10

TW11

Known Z	185.09 m	Point Density	6.37 ppsm
DEM Dz	0.00 m	Ground Density	3.36 ppsm
All Points TIN Dz	N/A	Slope	1.96 °

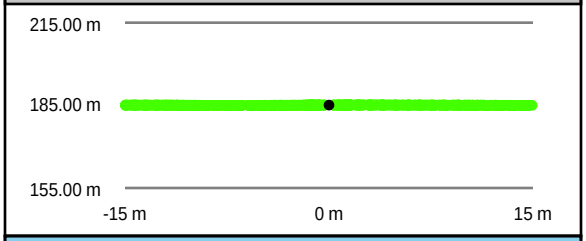
Project Context



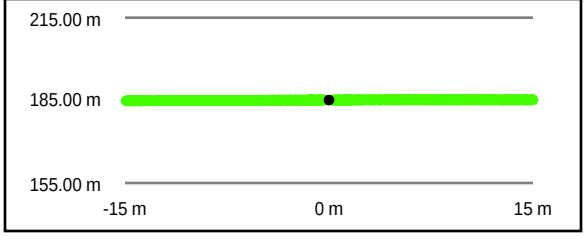
World Imagery



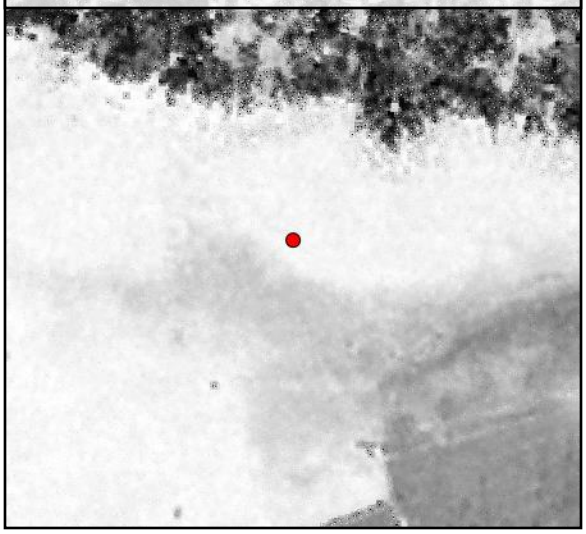
Southwest to Northeast



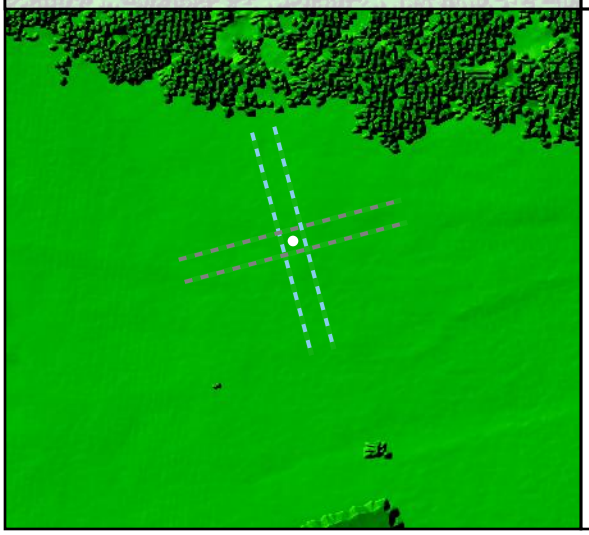
Southeast to Northwest



Intensity Raster



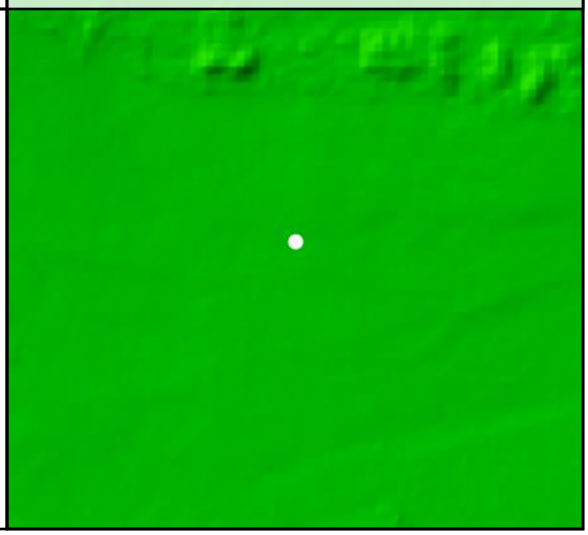
TIN Surface



Project Elevation



DEM Surface



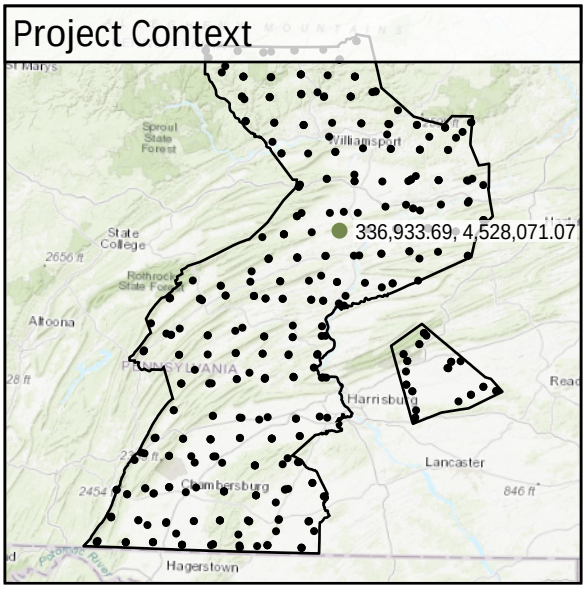
DEM Dz +0.00 m

VVA - TW11

TW12

Known Z	161.89 m	Point Density	7.14 ppsm
DEM Dz	-0.03 m	Ground Density	4.39 ppsm
All Points TIN Dz	N/A	Slope	2.80 °

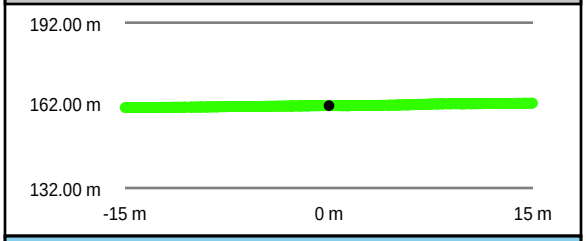
Project Context



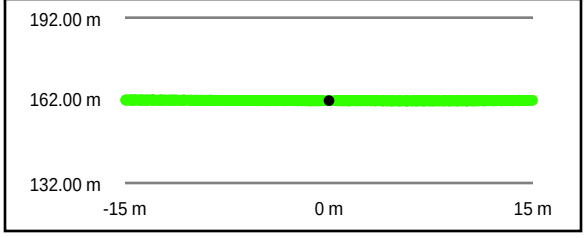
World Imagery



Southwest to Northeast



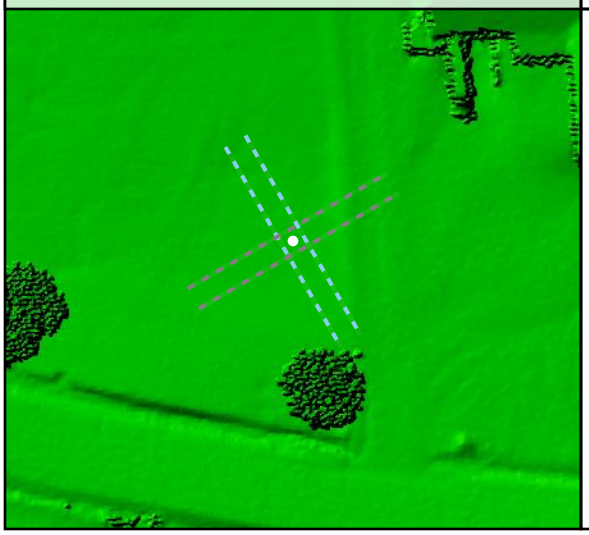
Southeast to Northwest



Intensity Raster



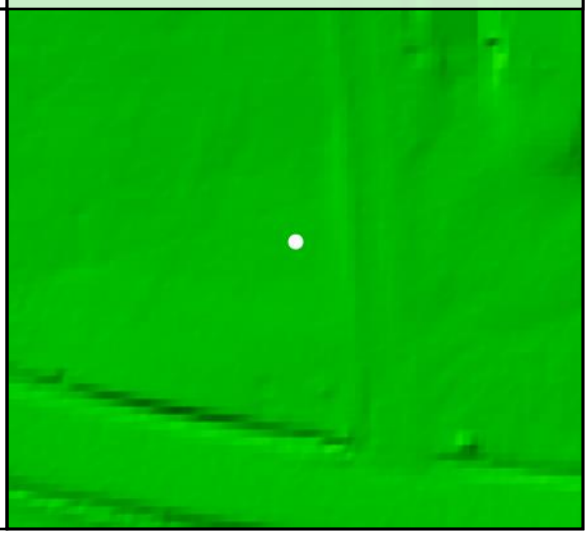
TIN Surface



Project Elevation



DEM Surface



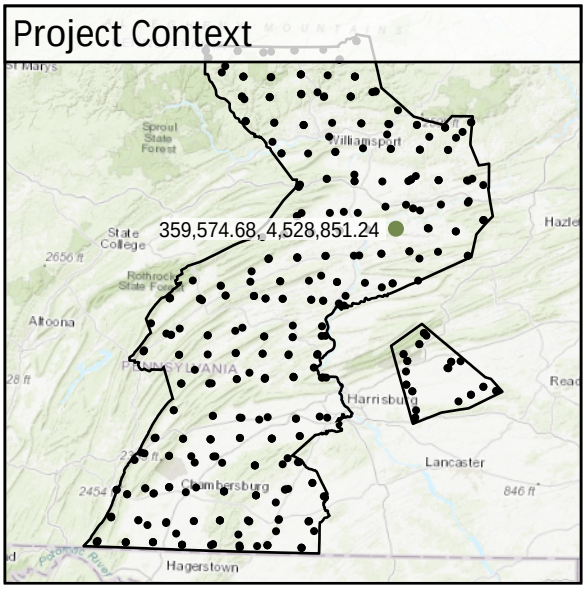
DEM Dz -0.03 m

VVA - TW12

TW13

Known Z	256.97 m	Point Density	7.04 ppsm
DEM Dz	-0.04 m	Ground Density	3.86 ppsm
All Points TIN Dz	N/A	Slope	9.25 °

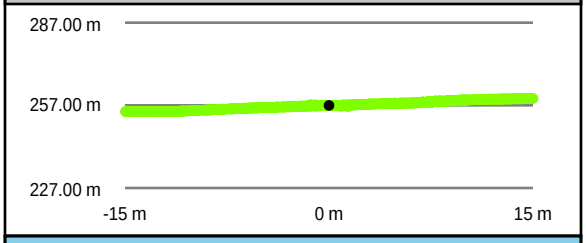
Project Context



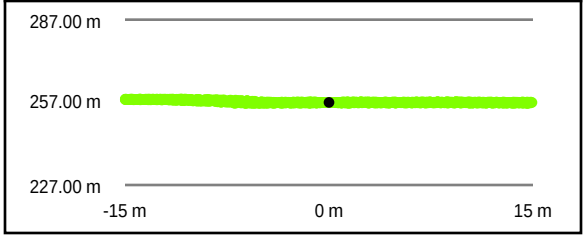
World Imagery



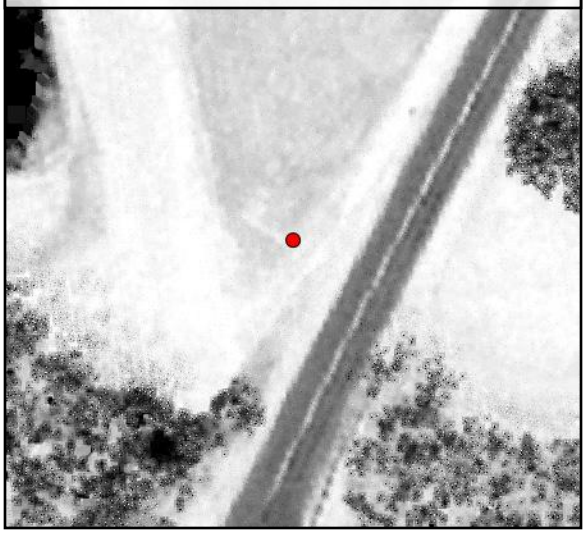
Southwest to Northeast



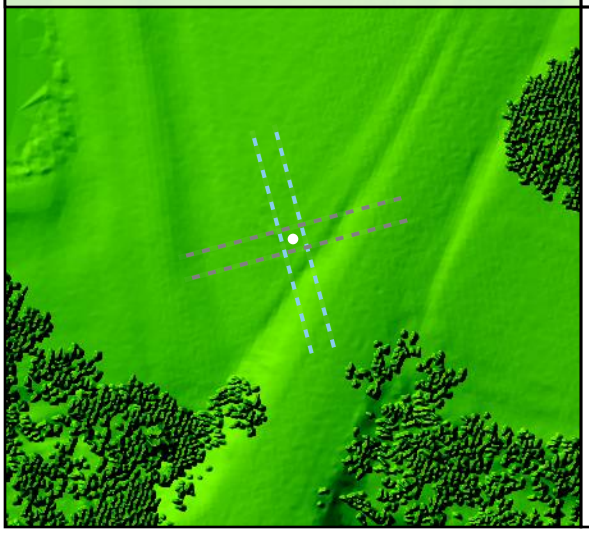
Southeast to Northwest



Intensity Raster



TIN Surface

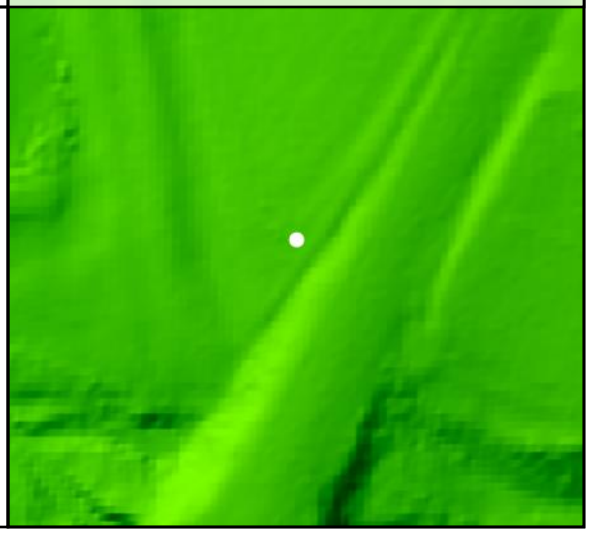


Project Elevation

716.97

103.02

DEM Surface



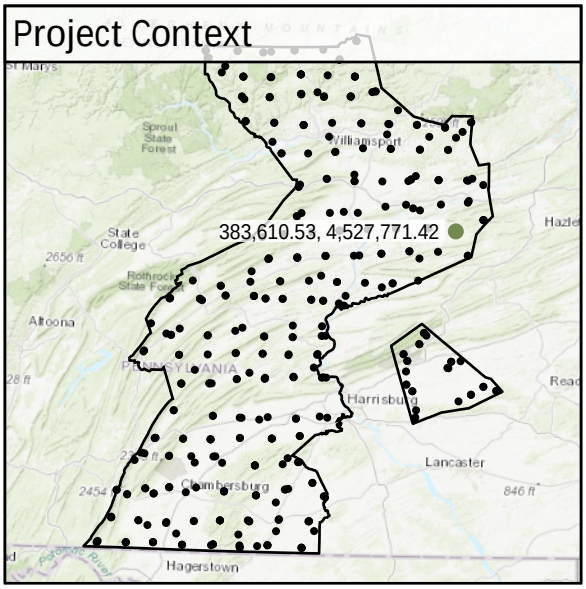
DEM Dz -0.04 m

VVA - TW13

TW14

Known Z	254.04 m	Point Density	2.65 ppsm
DEM Dz	0.02 m	Ground Density	2.65 ppsm
All Points TIN Dz	N/A	Slope	9.05 °

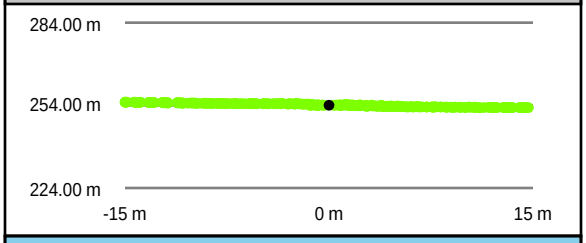
Project Context



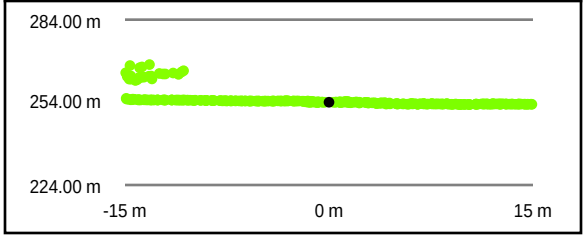
World Imagery



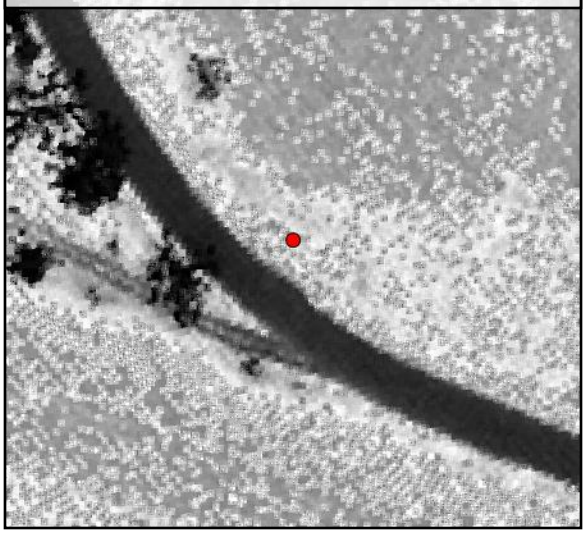
Southeast to Northwest



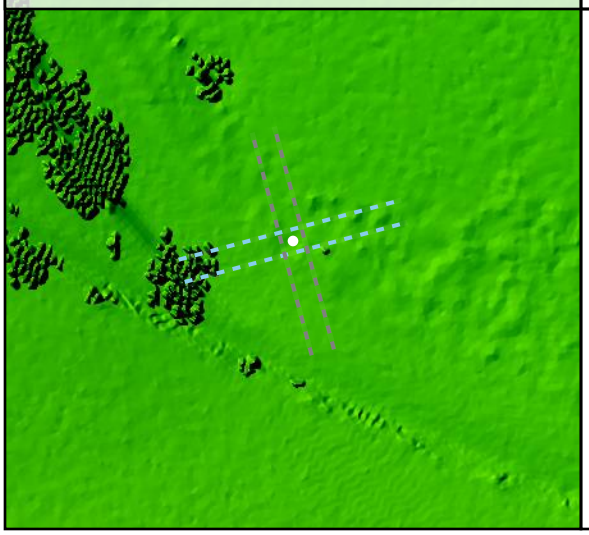
Southwest to Northeast



Intensity Raster



TIN Surface

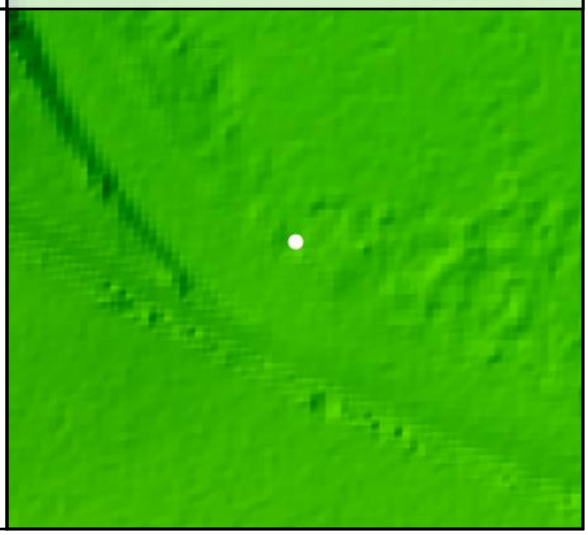


Project Elevation

716.97

103.02

DEM Surface



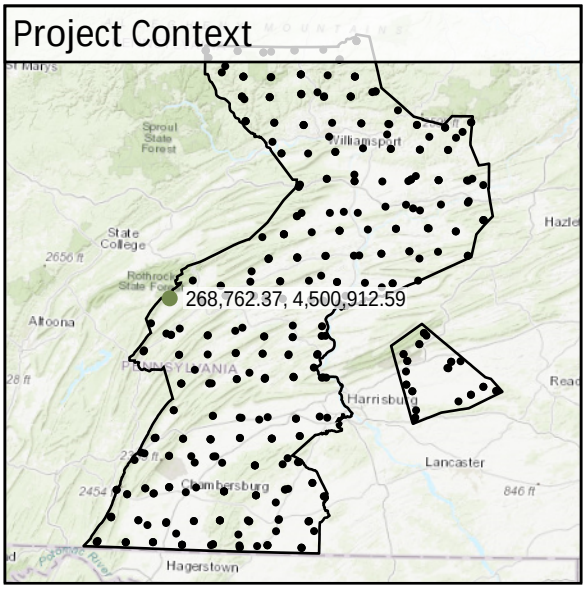
DEM Dz +0.02 m

VVA - TW14

TW15

Known Z	272.43 m	Point Density	10.50 ppsm
DEM Dz	0.03 m	Ground Density	2.69 ppsm
All Points TIN Dz	N/A	Slope	3.67 °

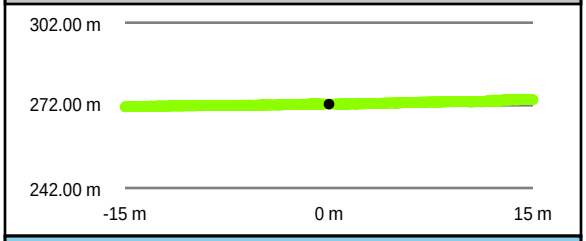
Project Context



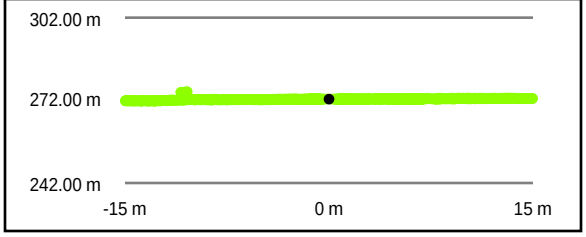
World Imagery



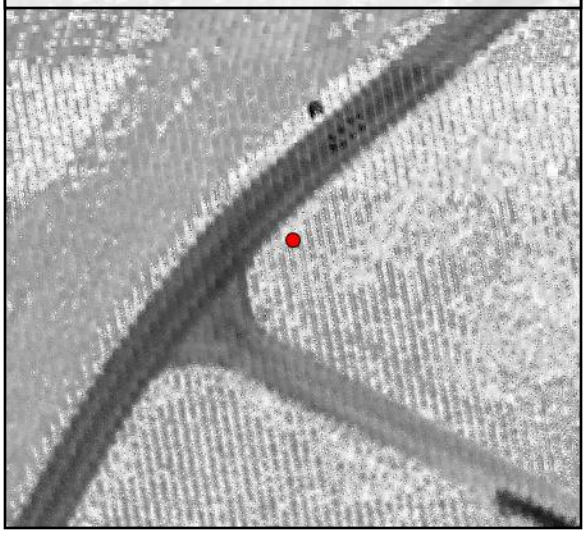
Southeast to Northwest



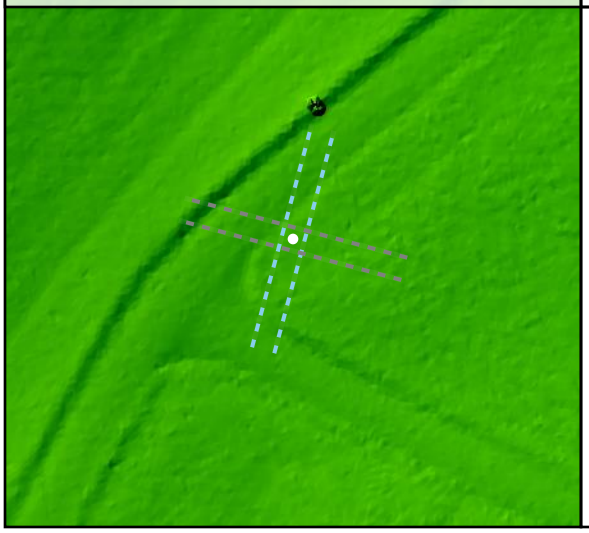
Southwest to Northeast



Intensity Raster



TIN Surface



Project Elevation

716.97

103.02

DEM Surface



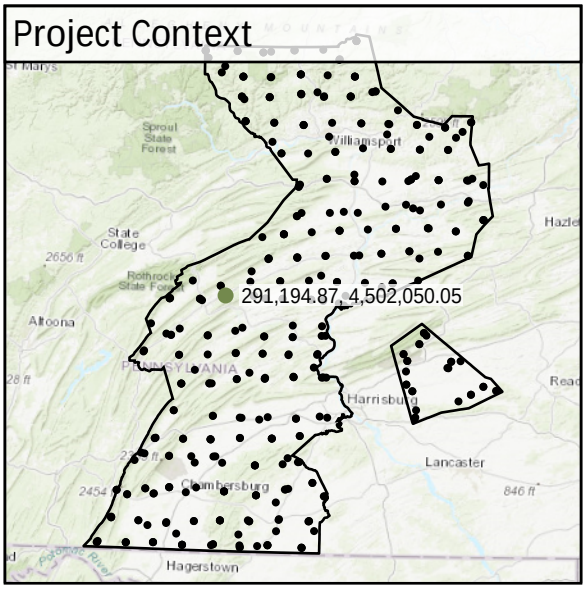
DEM Dz +0.03 m

VVA - TW15

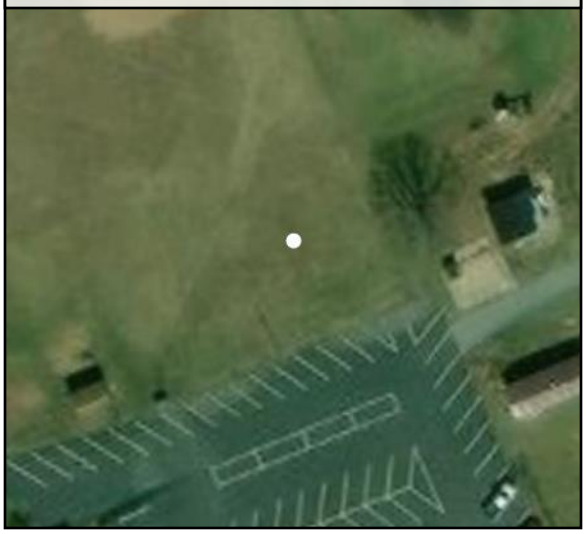
TW16

Known Z	174.24 m	Point Density	2.69 ppsm
DEM Dz	0.01 m	Ground Density	2.69 ppsm
All Points TIN Dz	N/A	Slope	6.61 °

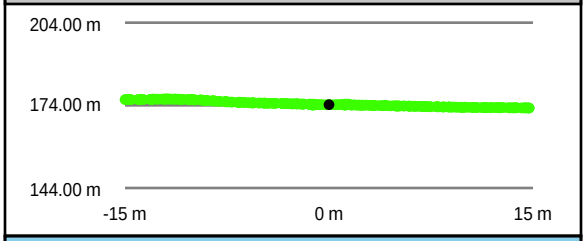
Project Context



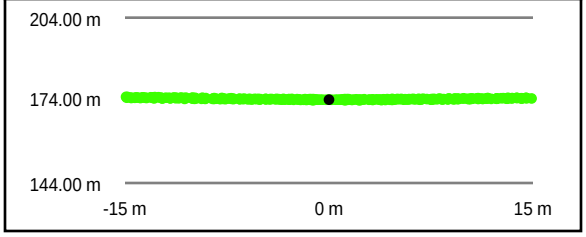
World Imagery



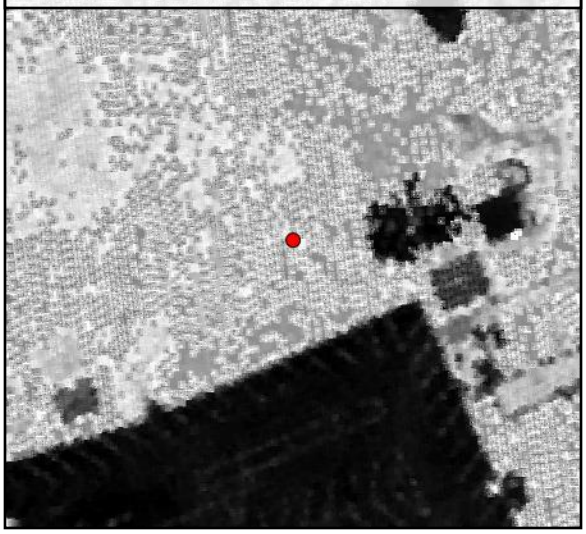
Southeast to Northwest



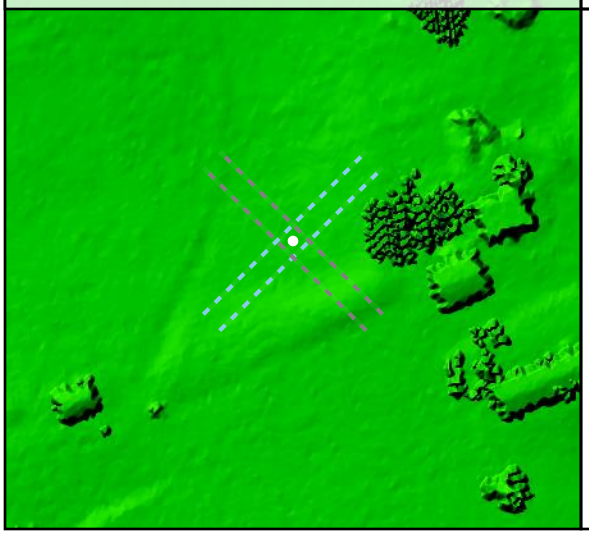
Southwest to Northeast



Intensity Raster



TIN Surface

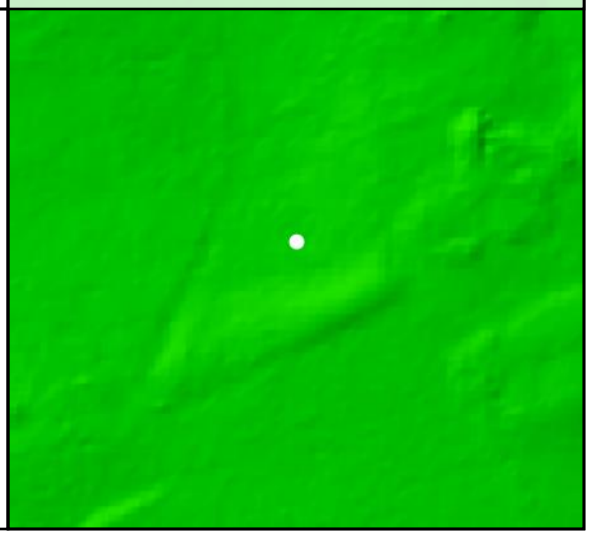


Project Elevation

716.97

103.02

DEM Surface

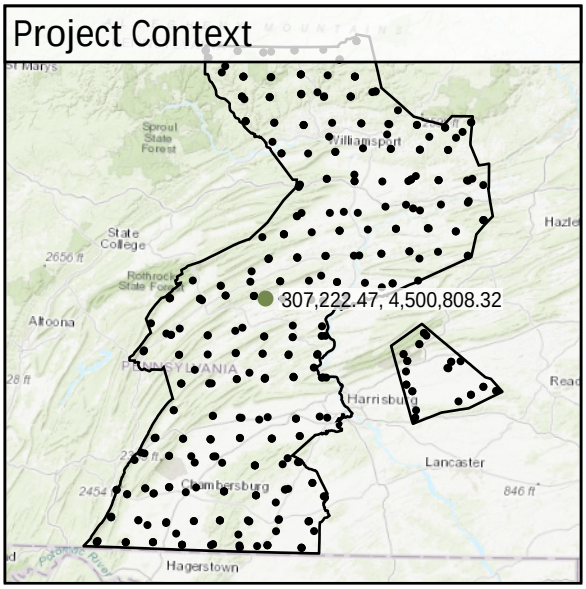


DEM Dz +0.01 m

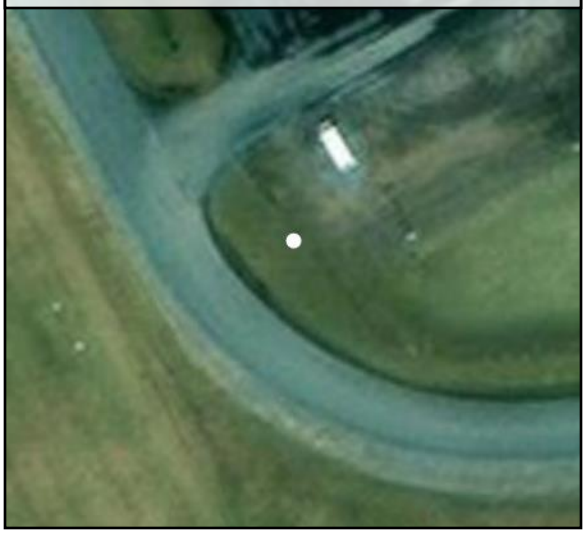
VVA - TW16

TW17				
	Known Z	192.77 m	Point Density	2.65 ppsm
	DEM Dz	0.07 m	Ground Density	2.65 ppsm
	All Points TIN Dz	N/A	Slope	1.99 °

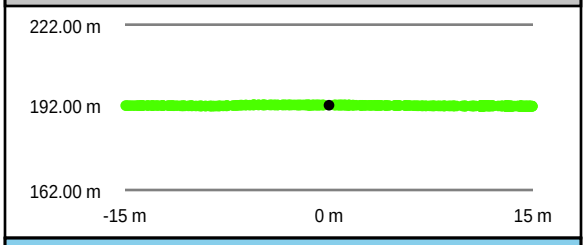
Project Context



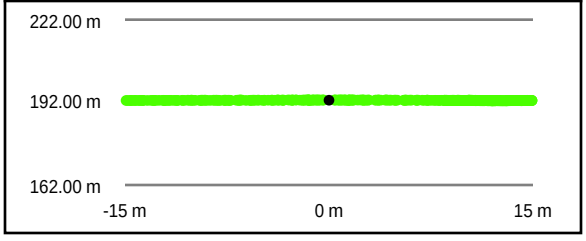
World Imagery



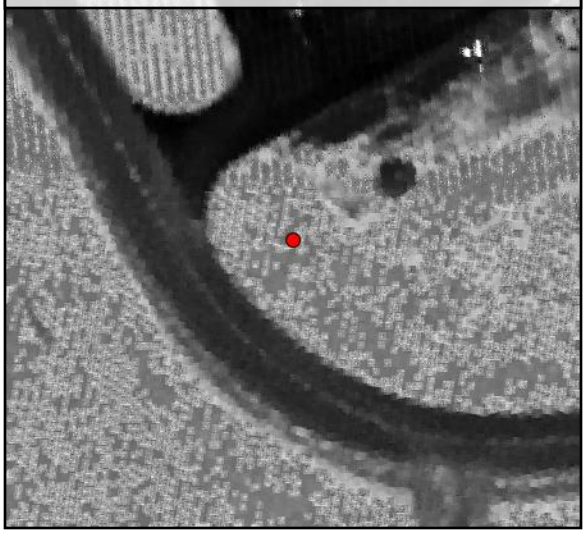
Southwest to Northeast



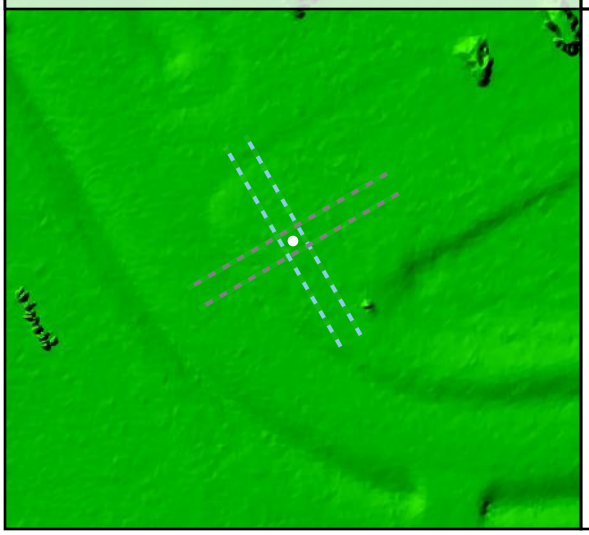
Southeast to Northwest



Intensity Raster



TIN Surface

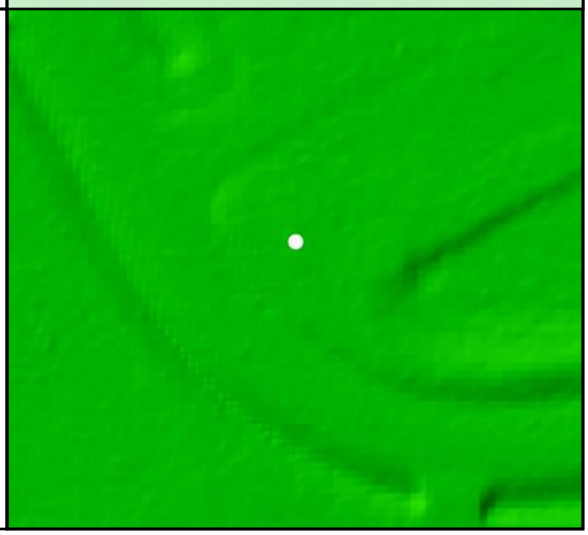


Project Elevation

716.97

103.02

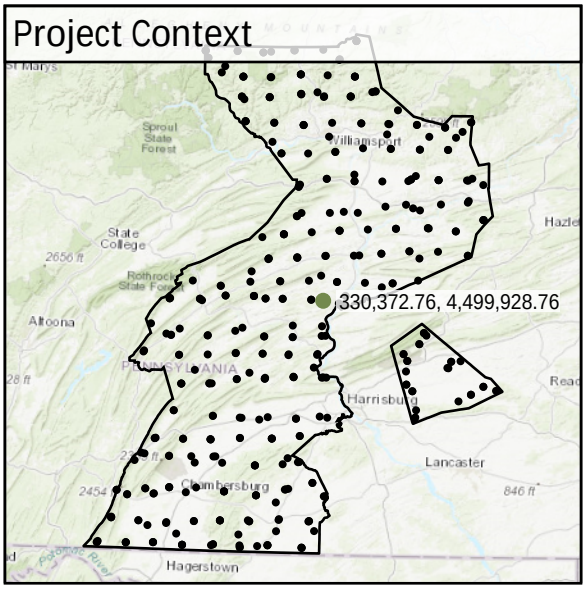
DEM Surface



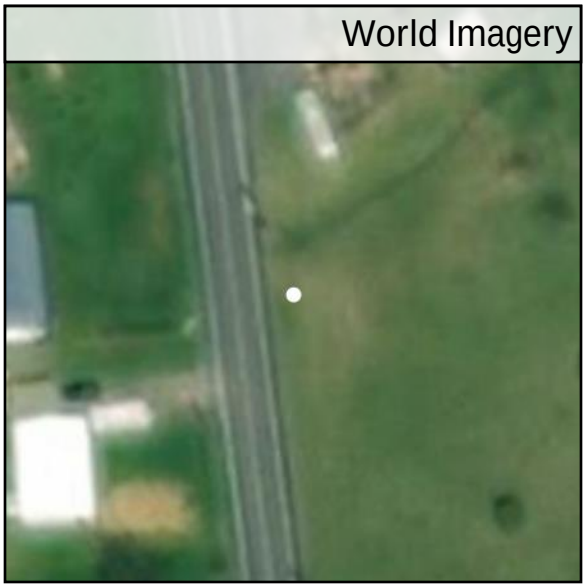
TW18

Known Z	151.31 m	Point Density	6.05 ppsm
DEM Dz	0.08 m	Ground Density	2.72 ppsm
All Points TIN Dz	N/A	Slope	2.39 °

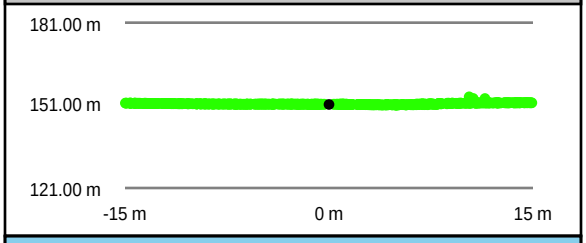
Project Context



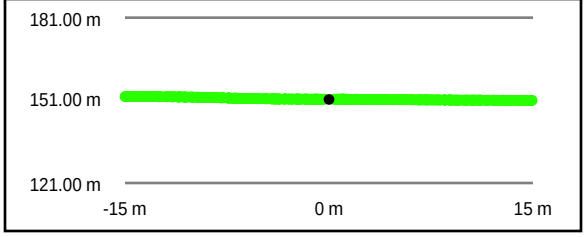
World Imagery



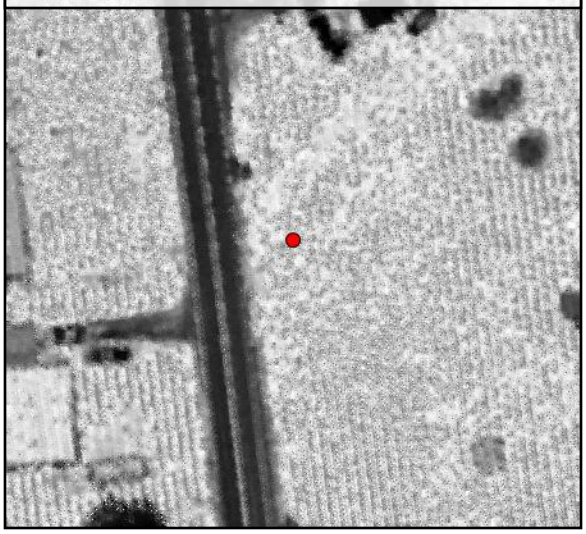
Southeast to Northwest



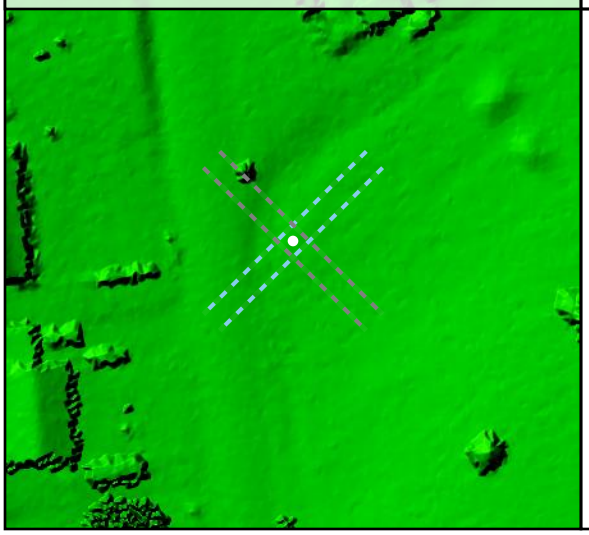
Southwest to Northeast



Intensity Raster



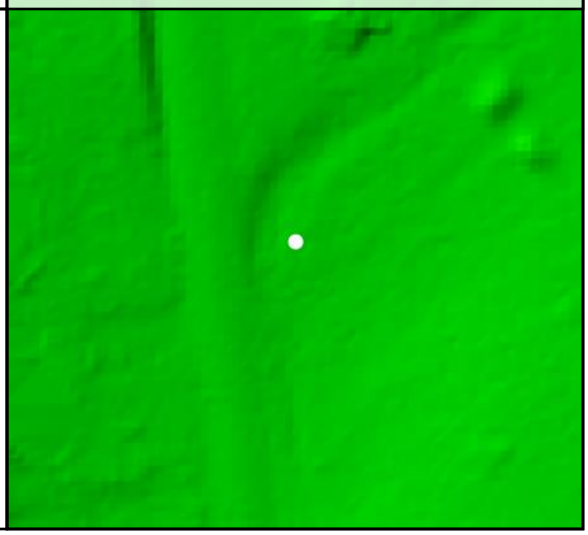
TIN Surface



Project Elevation



DEM Surface



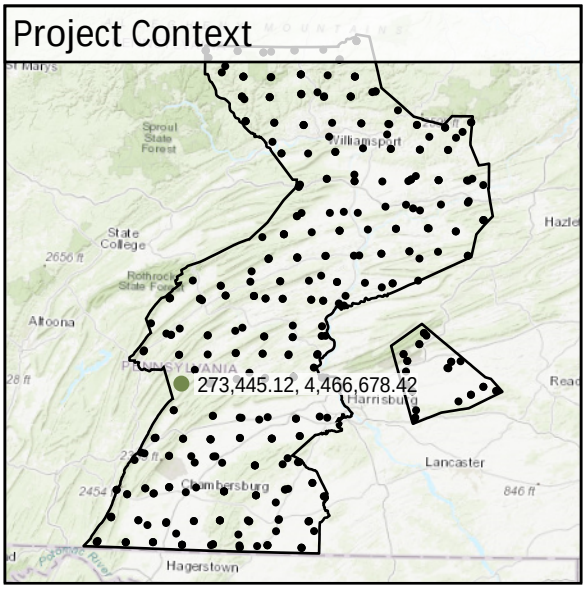
DEM Dz +0.08 m

VVA - TW18

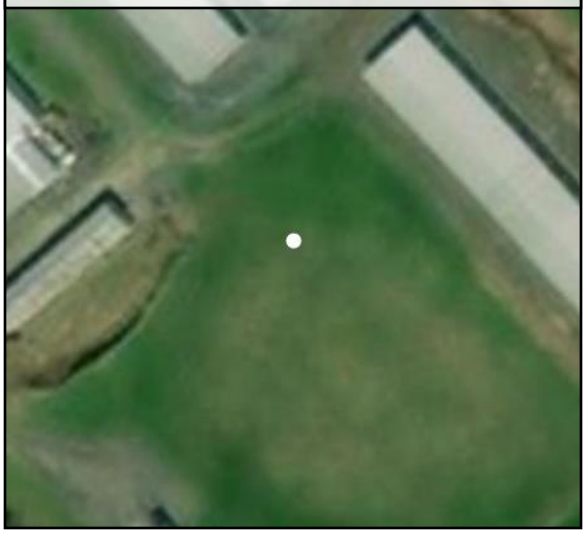
TW19

Known Z	212.48 m	Point Density	5.16 ppsm
DEM Dz	0.01 m	Ground Density	3.01 ppsm
All Points TIN Dz	N/A	Slope	4.47 °

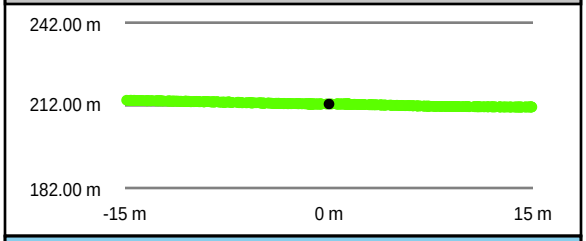
Project Context



World Imagery



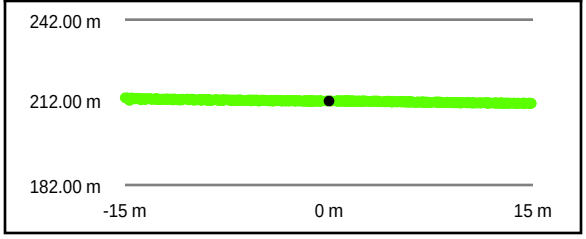
Southeast to Northwest



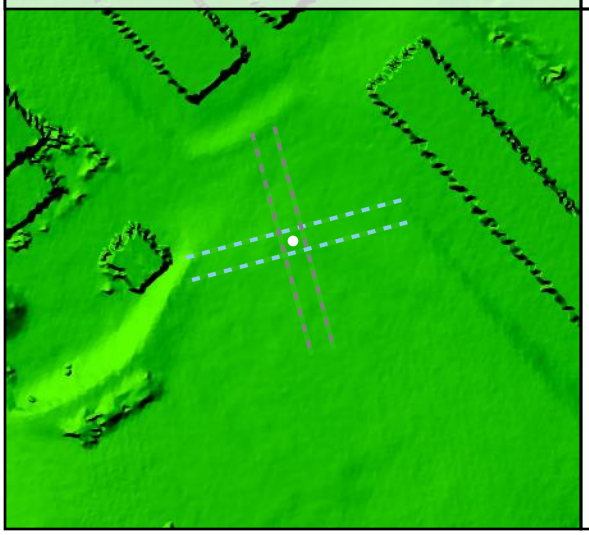
Intensity Raster



Southwest to Northeast



TIN Surface

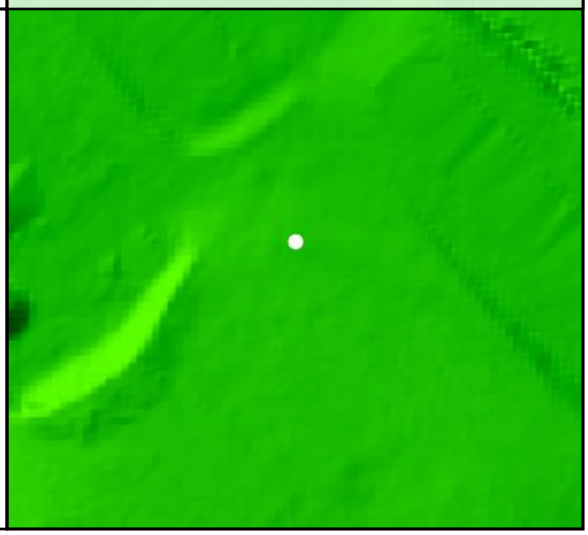


Project Elevation

716.97

103.02

DEM Surface



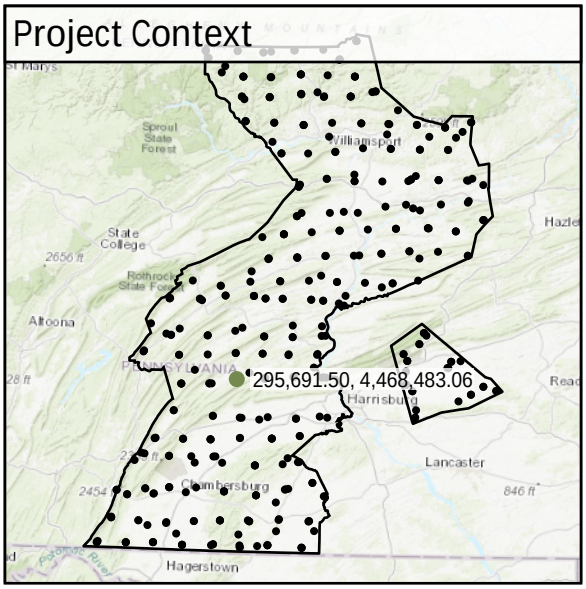
DEM Dz +0.01 m

VVA - TW19

TW20

Known Z	211.91 m	Point Density	5.31 ppsm
DEM Dz	0.00 m	Ground Density	2.97 ppsm
All Points TIN Dz	N/A	Slope	4.40 °

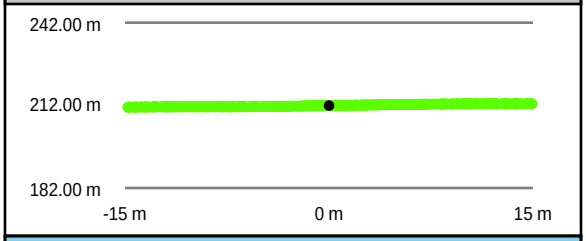
Project Context



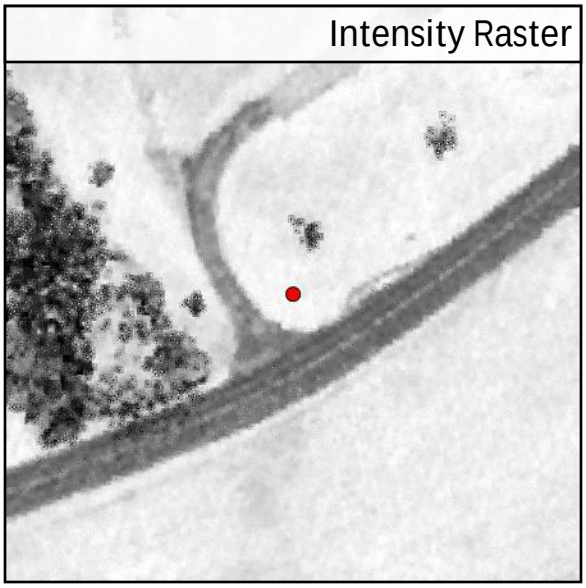
World Imagery



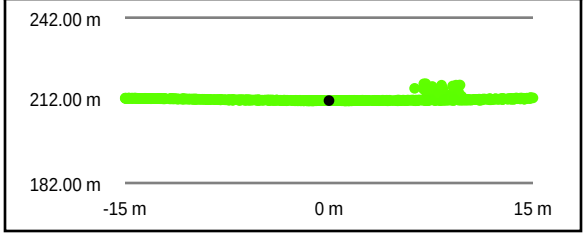
Southeast to Northwest



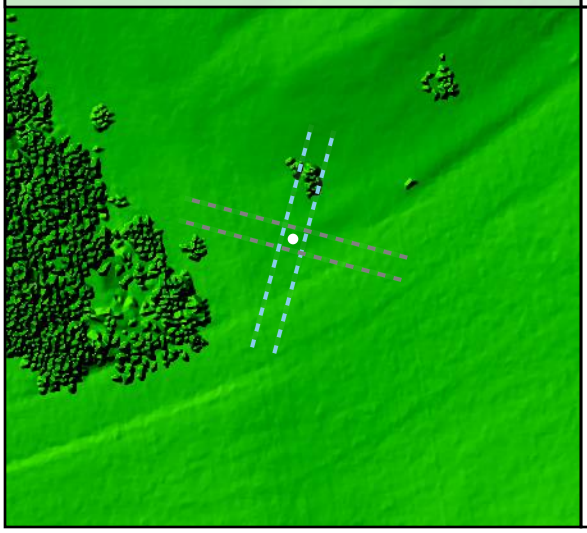
Intensity Raster



Southwest to Northeast



TIN Surface

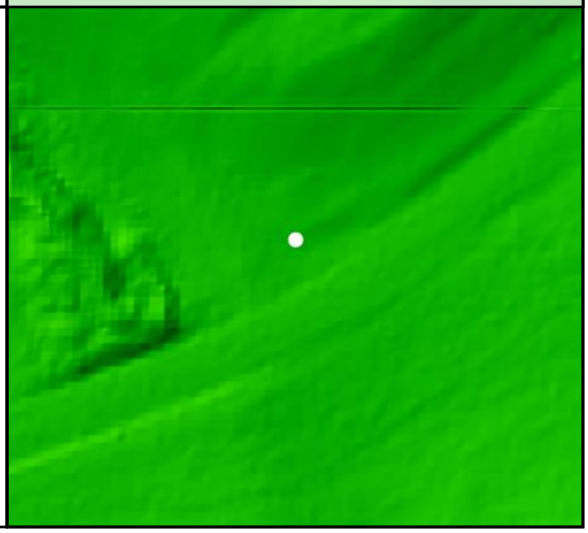


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.00 m

VVA - TW20

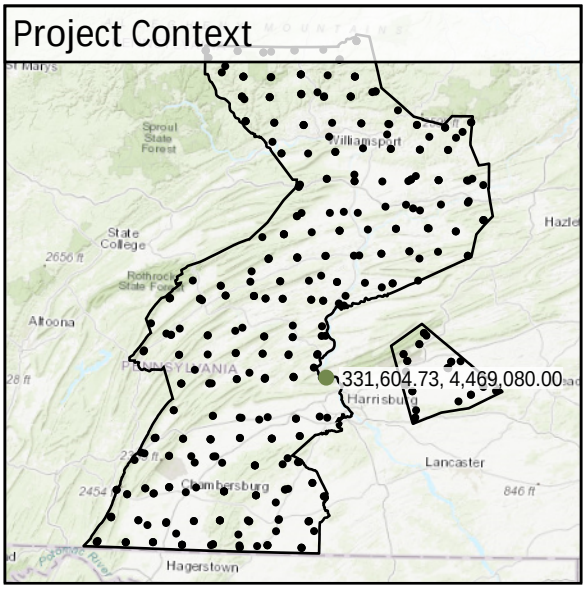
TW21

Known Z	105.70 m	Point Density	5.16 ppsm
DEM Dz	0.06 m	Ground Density	2.62 ppsm
All Points TIN Dz	N/A	Slope	1.29 °

DEM Dz +0.06 m

VVA - TW21

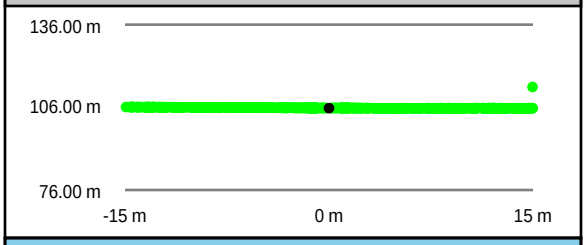
Project Context



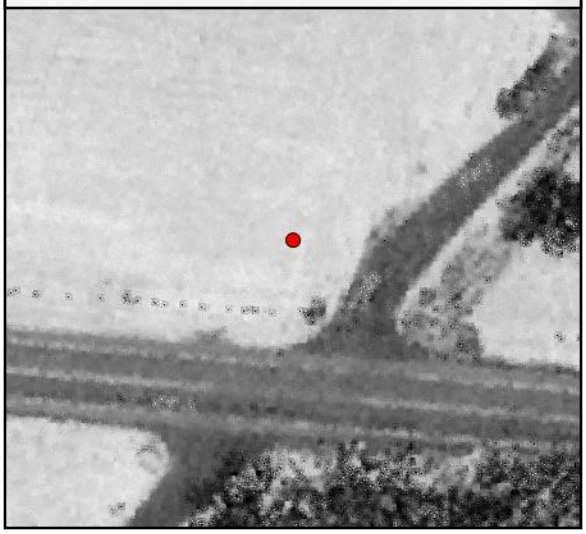
World Imagery



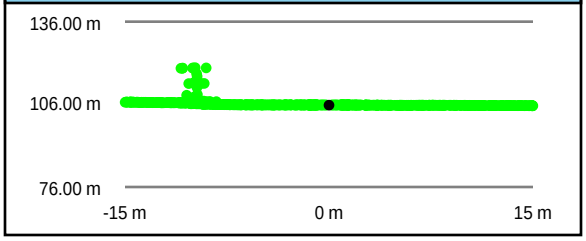
Southwest to Northeast



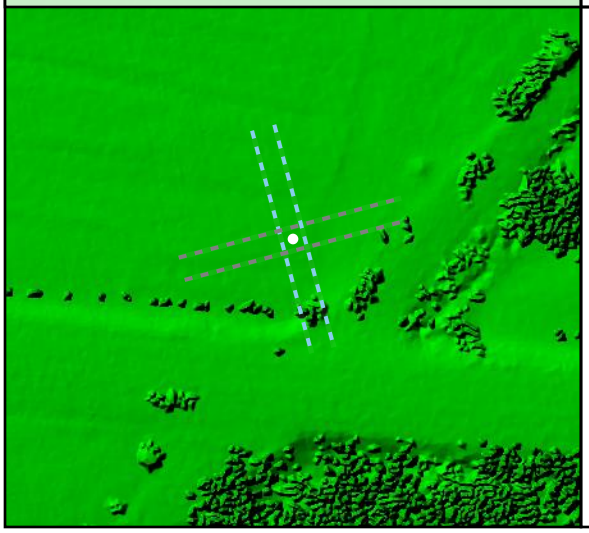
Intensity Raster



Southeast to Northwest



TIN Surface

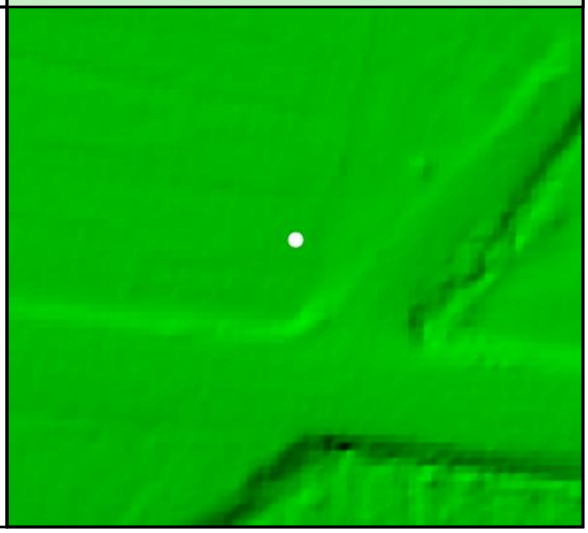


Project Elevation

716.97

103.02

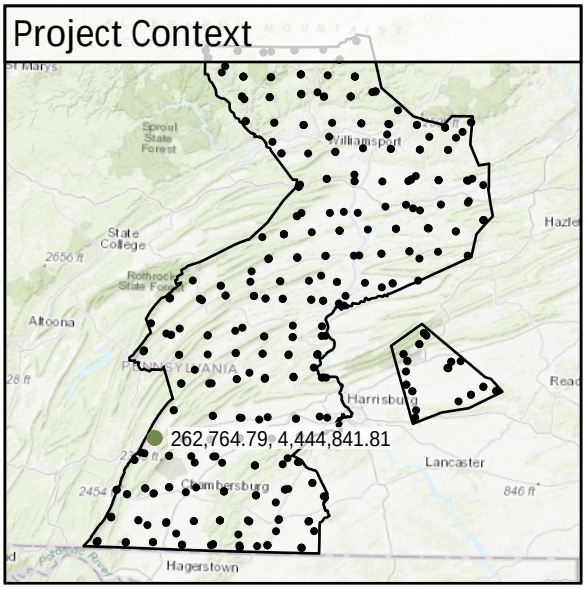
DEM Surface



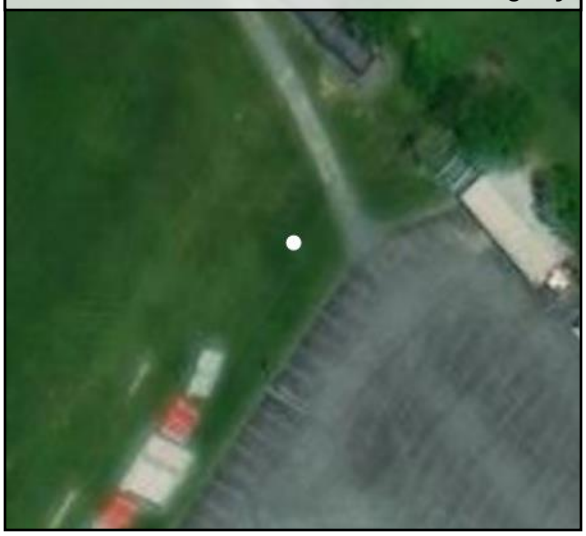
TW22

Known Z	258.35 m	Point Density	5.48 ppsm
DEM Dz	-0.08 m	Ground Density	2.90 ppsm
All Points TIN Dz	N/A	Slope	0.80 °

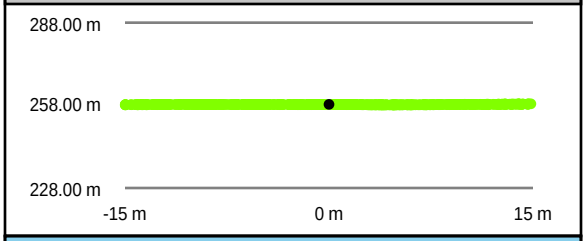
Project Context



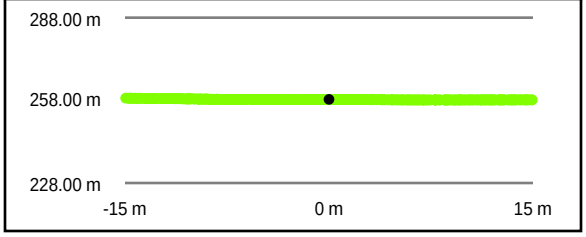
World Imagery



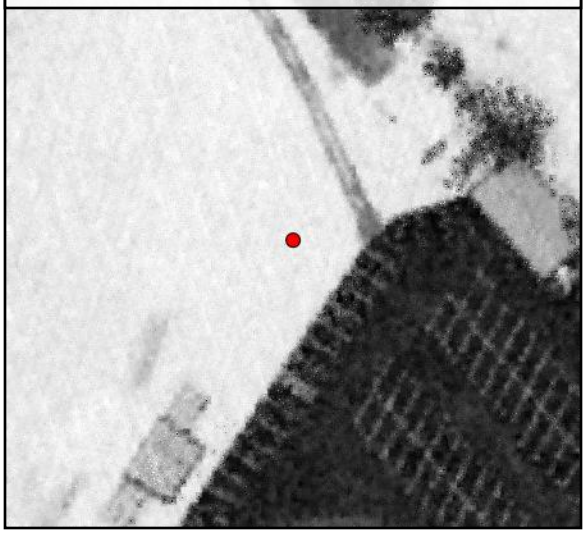
Southwest to Northeast



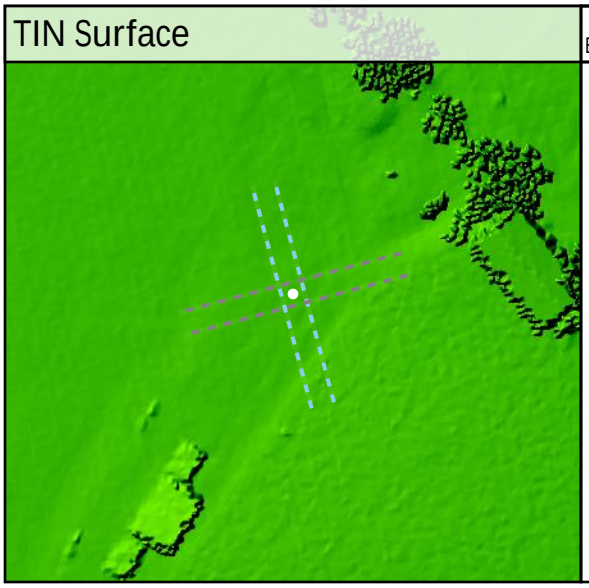
Southeast to Northwest



Intensity Raster



TIN Surface

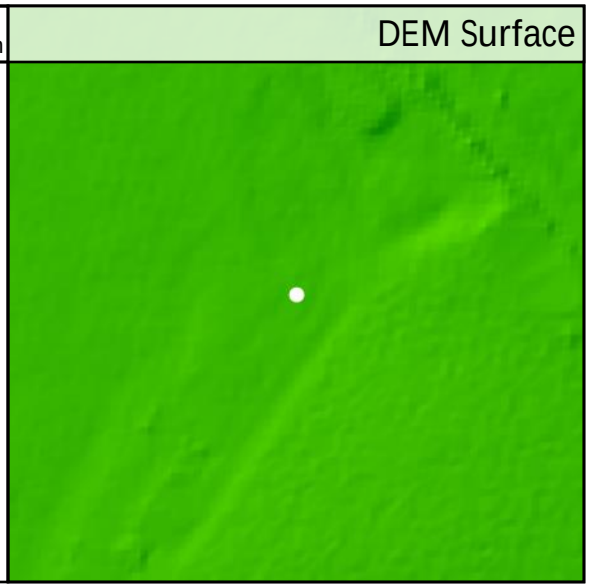


Project Elevation

716.97

103.02

DEM Surface



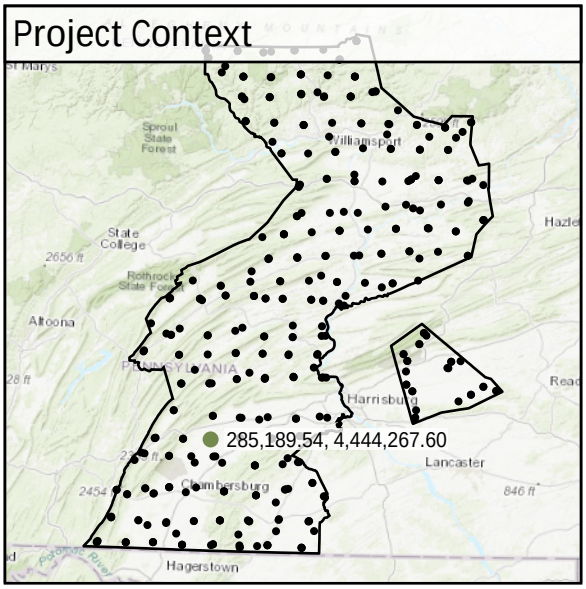
DEM Dz -0.08 m

VVA - TW22

TW23

Known Z	191.85 m	Point Density	2.86 ppsm
DEM Dz	-0.01 m	Ground Density	2.86 ppsm
All Points TIN Dz	N/A	Slope	6.71 °

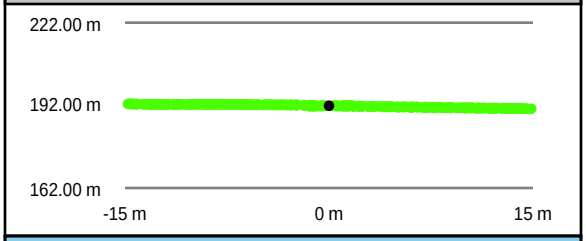
Project Context



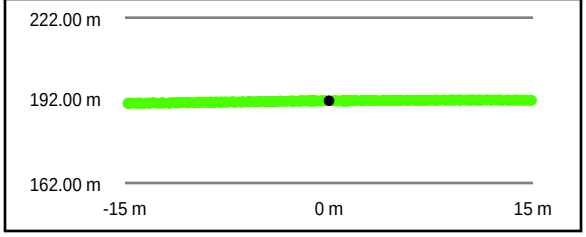
World Imagery



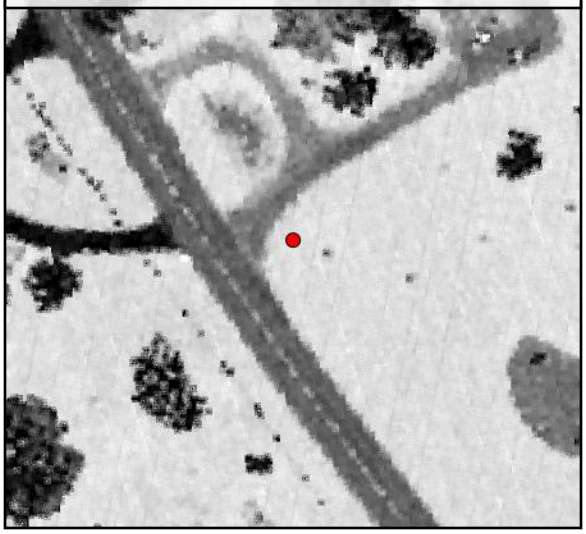
Southwest to Northeast



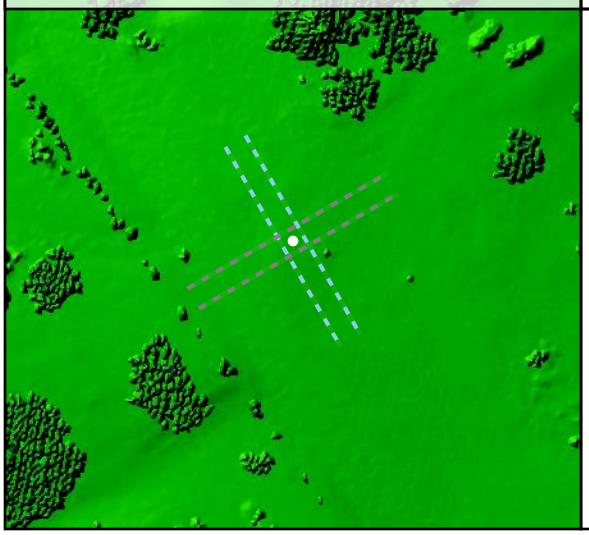
Southeast to Northwest



Intensity Raster



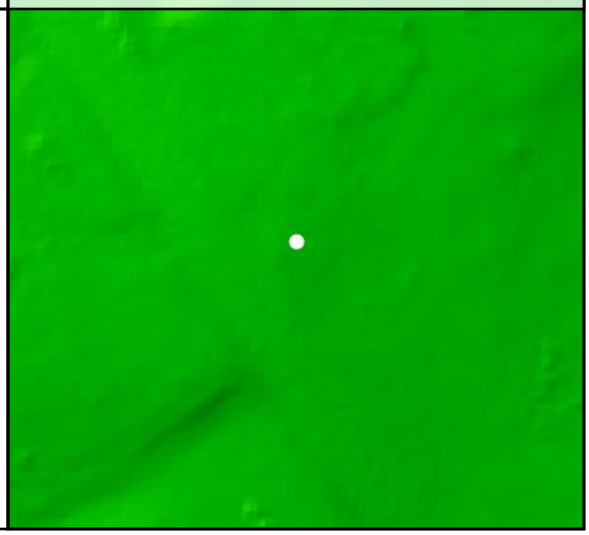
TIN Surface



Project Elevation



DEM Surface

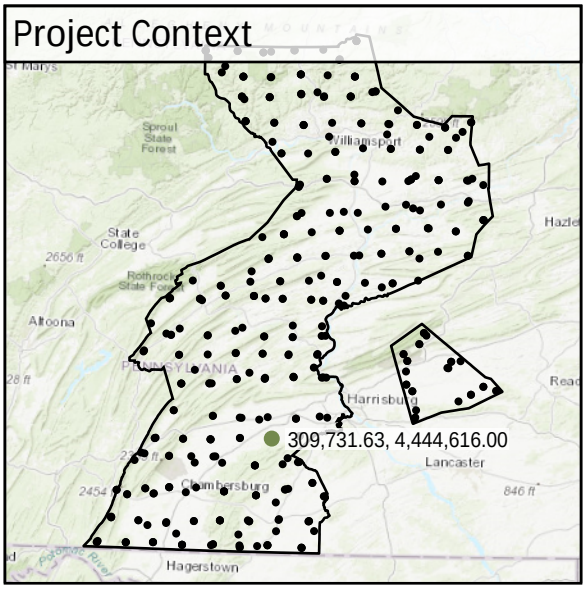


DEM Dz -0.01 m

VVA - TW23

TW24				
	Known Z	173.53 m	Point Density	4.95 ppsm
	DEM Dz	0.00 m	Ground Density	2.44 ppsm
	All Points TIN Dz	N/A	Slope	5.24 °

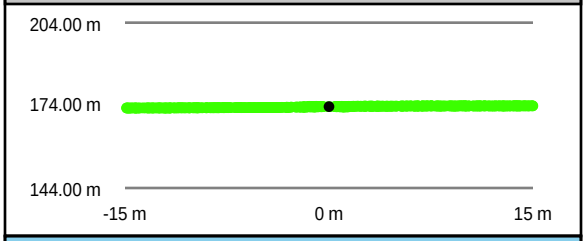
Project Context



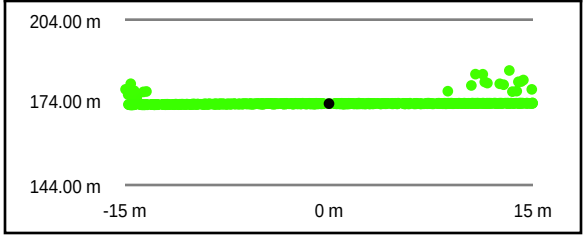
World Imagery



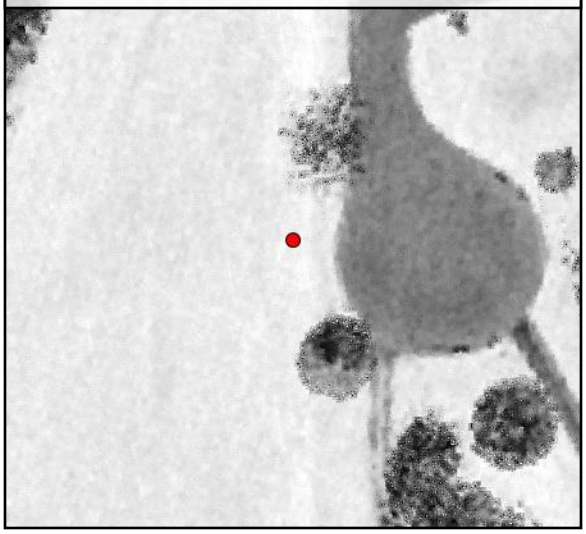
West to East



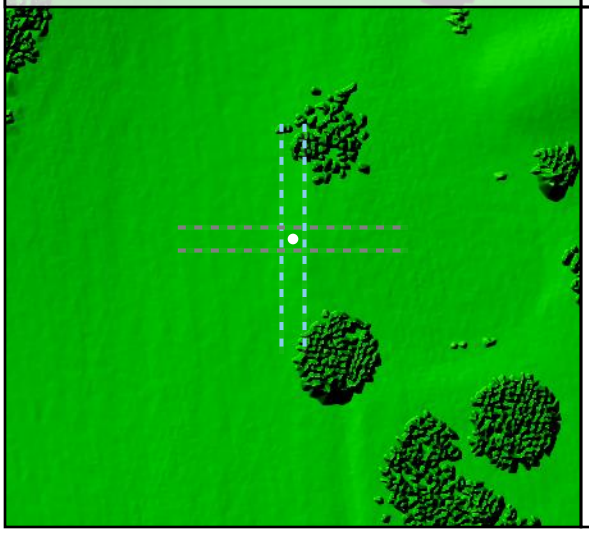
South to North



Intensity Raster



TIN Surface

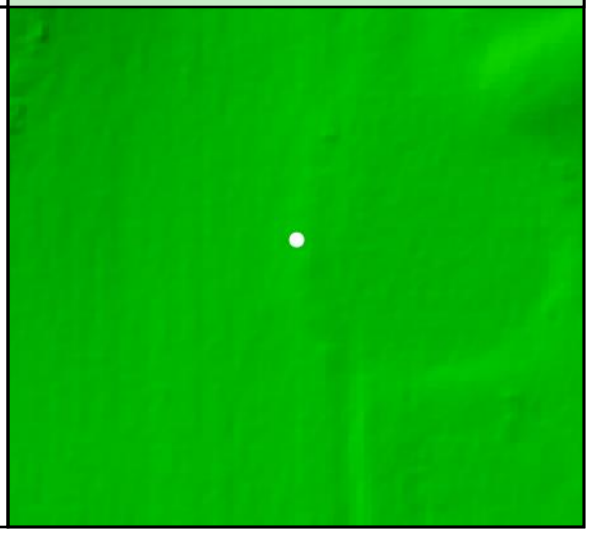


Project Elevation

716.97

103.02

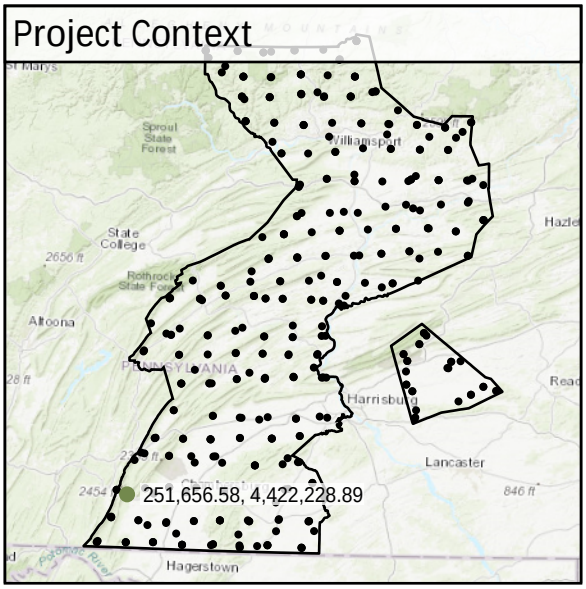
DEM Surface



TW25

Known Z	191.22 m	Point Density	5.09 ppsm
DEM Dz	0.04 m	Ground Density	2.79 ppsm
All Points TIN Dz	N/A	Slope	0.92 °

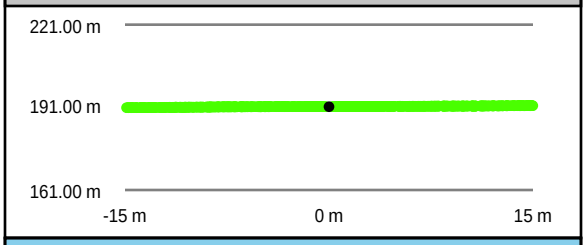
Project Context



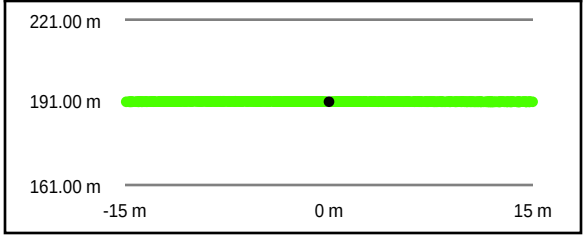
World Imagery



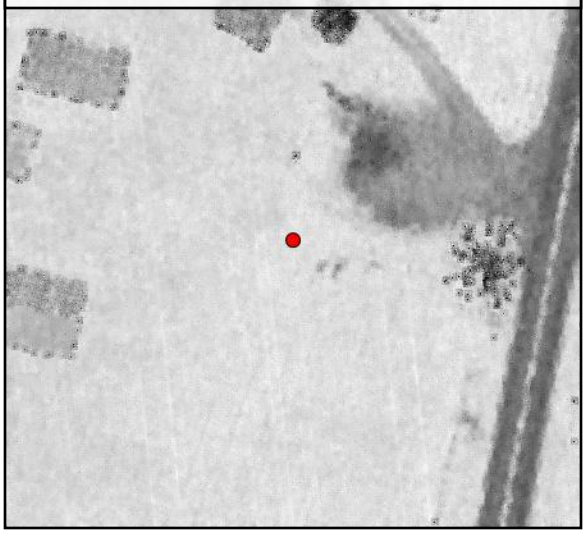
Southeast to Northwest



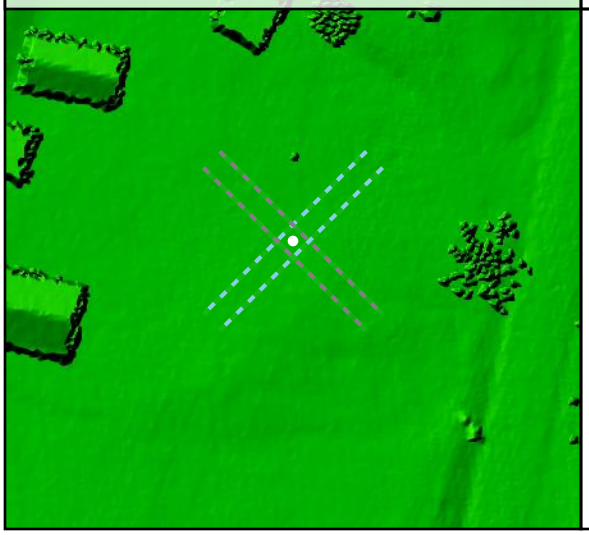
Southwest to Northeast



Intensity Raster



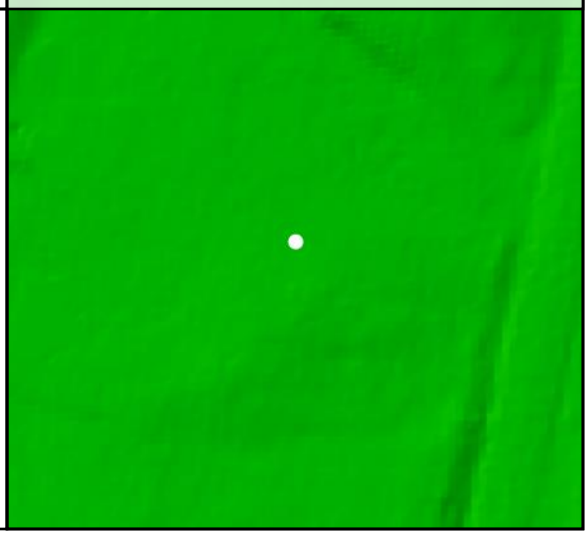
TIN Surface



Project Elevation



DEM Surface



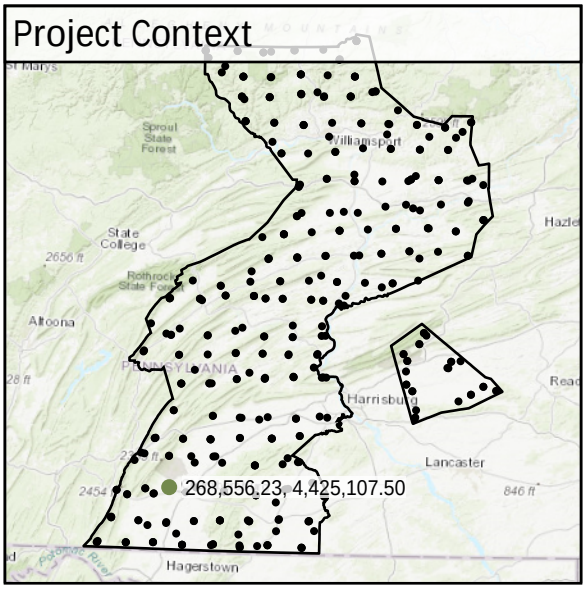
DEM Dz +0.04 m

VVA - TW25

TW26

Known Z	226.93 m	Point Density	5.02 ppsm
DEM Dz	0.08 m	Ground Density	2.86 ppsm
All Points TIN Dz	N/A	Slope	2.18 °

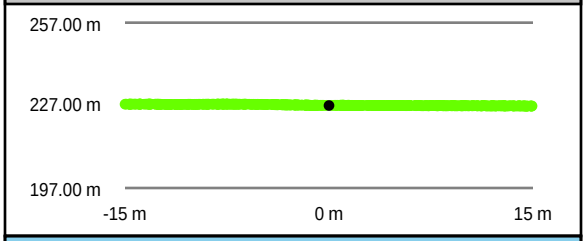
Project Context



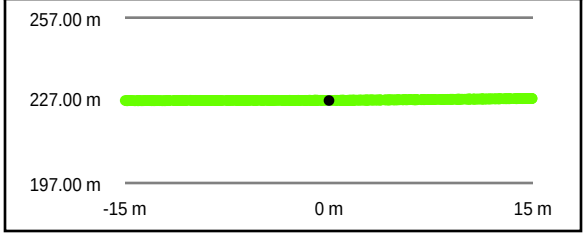
World Imagery



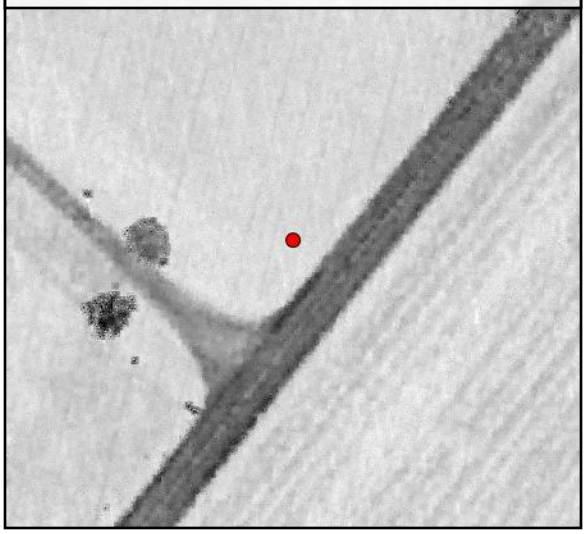
Southeast to Northwest



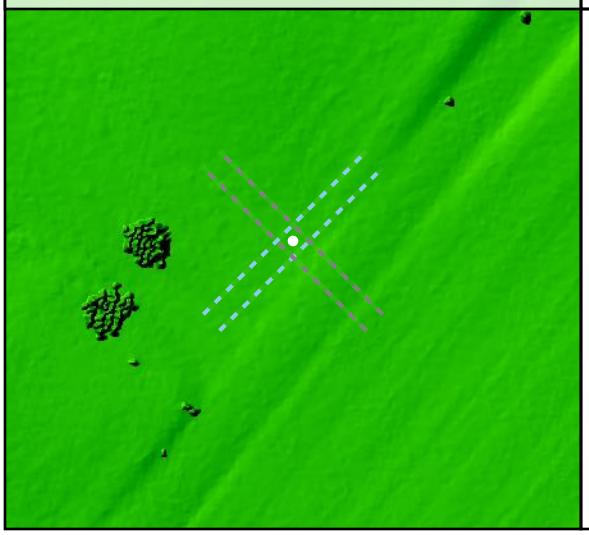
Southwest to Northeast



Intensity Raster



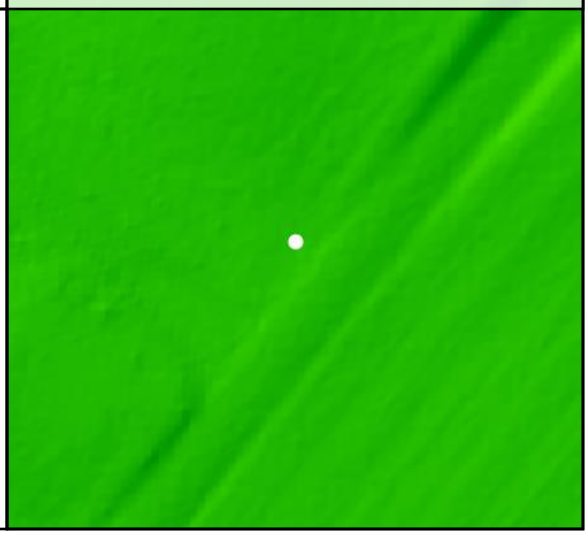
TIN Surface



Project Elevation



DEM Surface



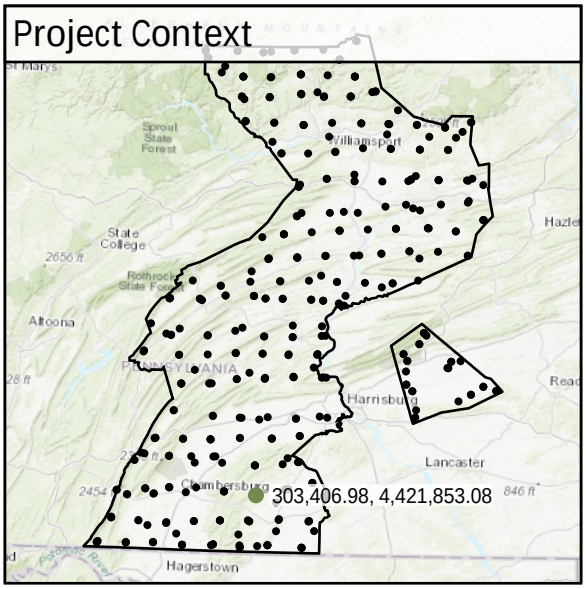
DEM Dz +0.08 m

VVA - TW26

TW27

Known Z	216.38 m	Point Density	5.13 ppsm
DEM Dz	0.05 m	Ground Density	2.58 ppsm
All Points TIN Dz	N/A	Slope	4.00 °

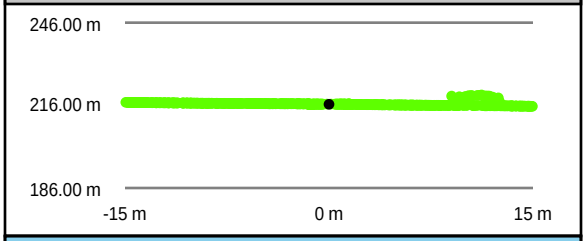
Project Context



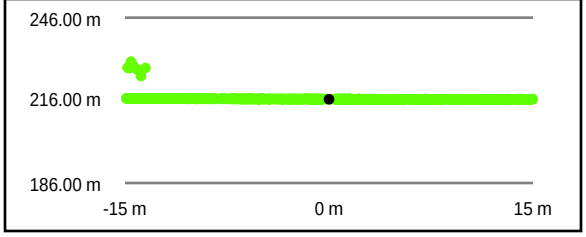
World Imagery



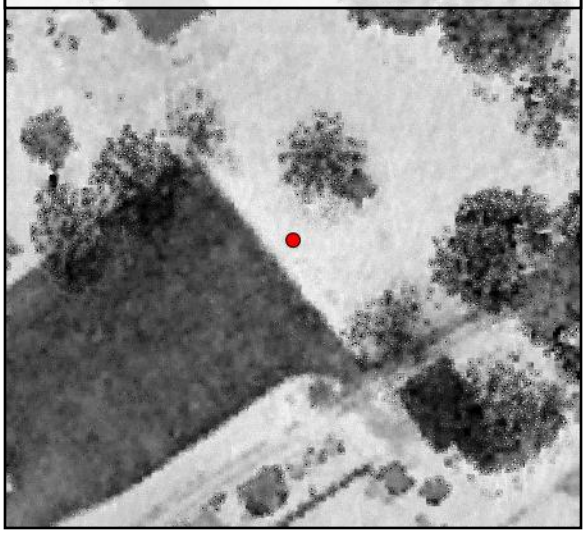
Southwest to Northeast



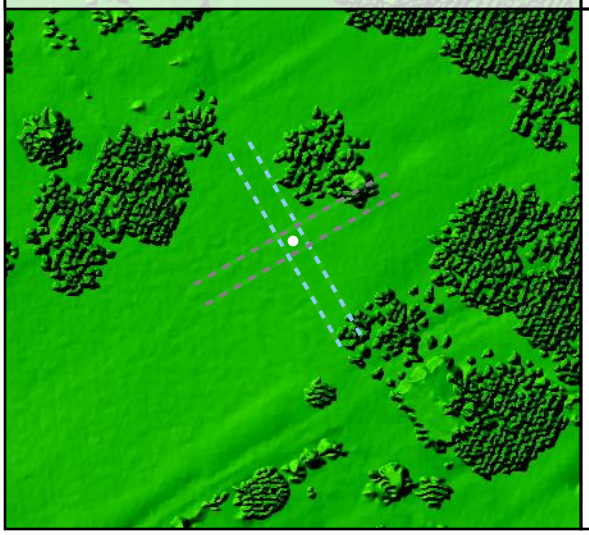
Southeast to Northwest



Intensity Raster



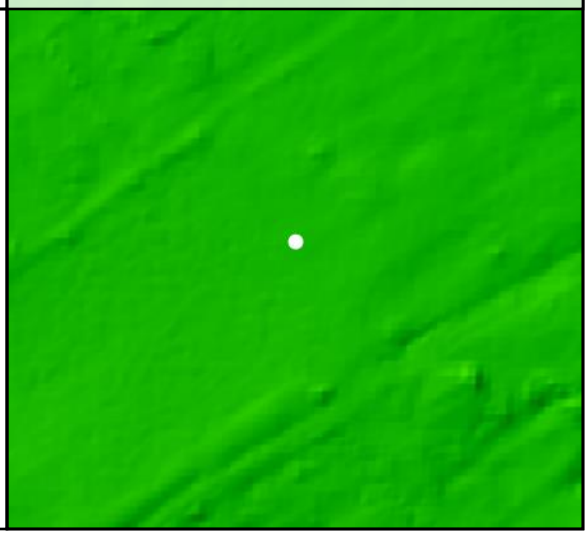
TIN Surface



Project Elevation



DEM Surface



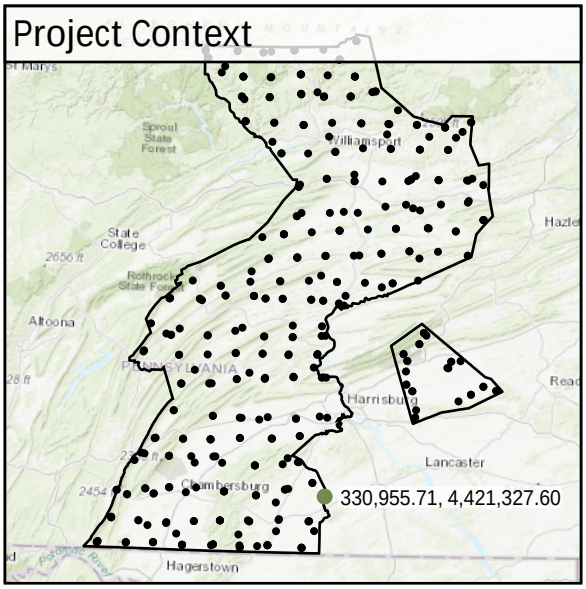
DEM Dz +0.05 m

VVA - TW27

TW28

Known Z	141.13 m	Point Density	4.85 ppsm
DEM Dz	0.08 m	Ground Density	2.72 ppsm
All Points TIN Dz	N/A	Slope	2.70 °

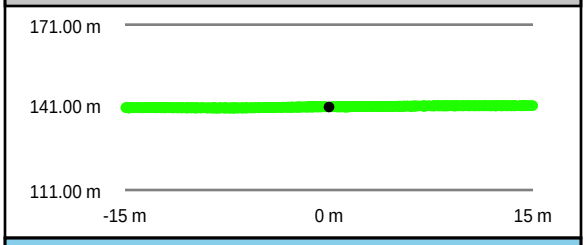
Project Context



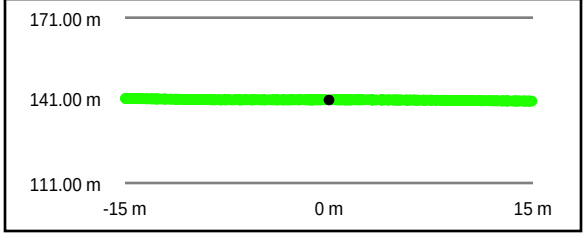
World Imagery



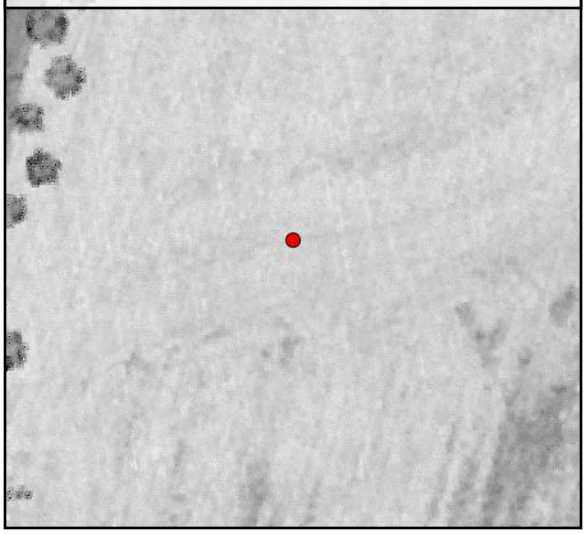
Southeast to Northwest



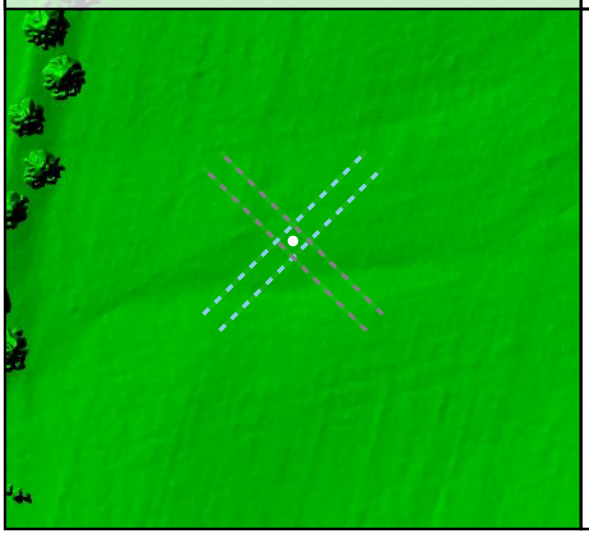
Southwest to Northeast



Intensity Raster



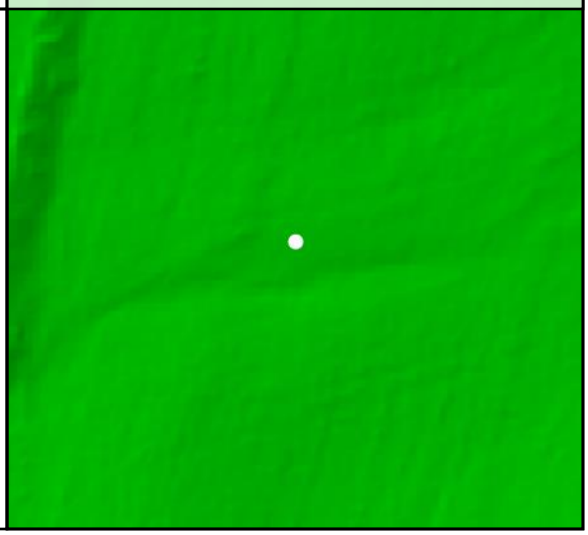
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.08 m

VVA - TW28

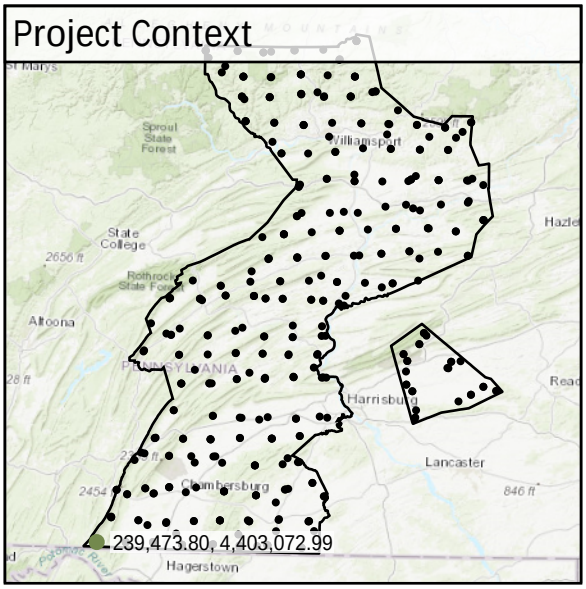
TW29

Known Z	146.67 m	Point Density	5.20 ppsm
DEM Dz	0.13 m	Ground Density	2.83 ppsm
All Points TIN Dz	N/A	Slope	5.33 °

DEM Dz +0.13 m

VVA - TW29

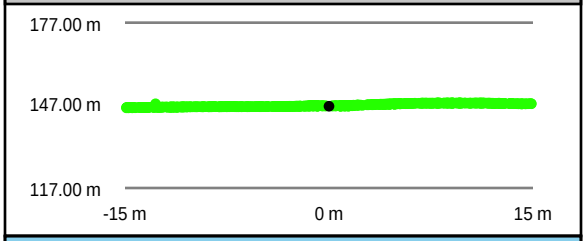
Project Context



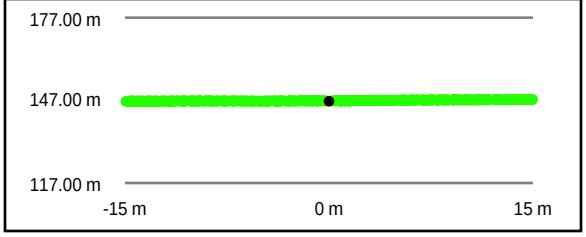
World Imagery



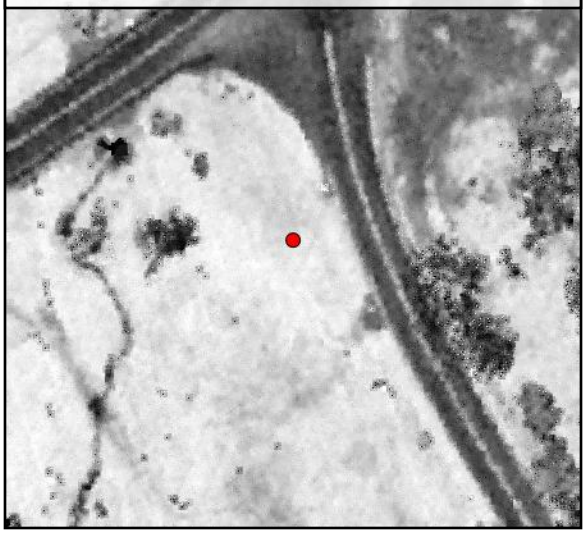
Southwest to Northeast



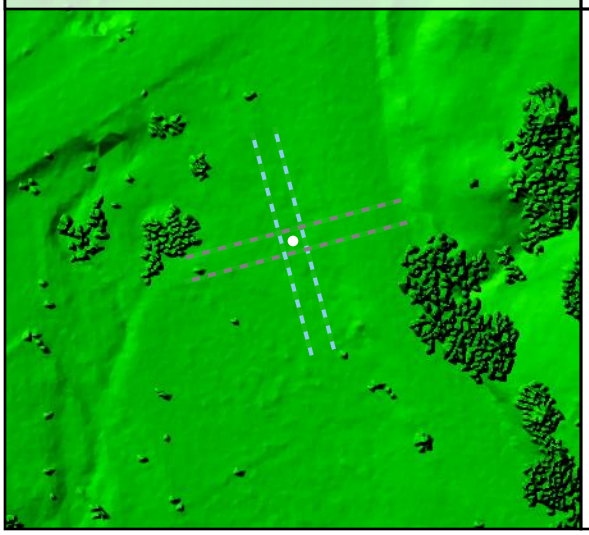
Southeast to Northwest



Intensity Raster



TIN Surface

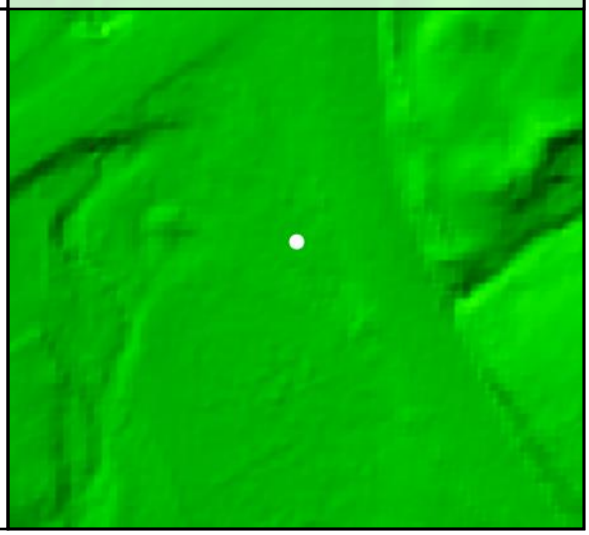


Project Elevation

716.97

103.02

DEM Surface



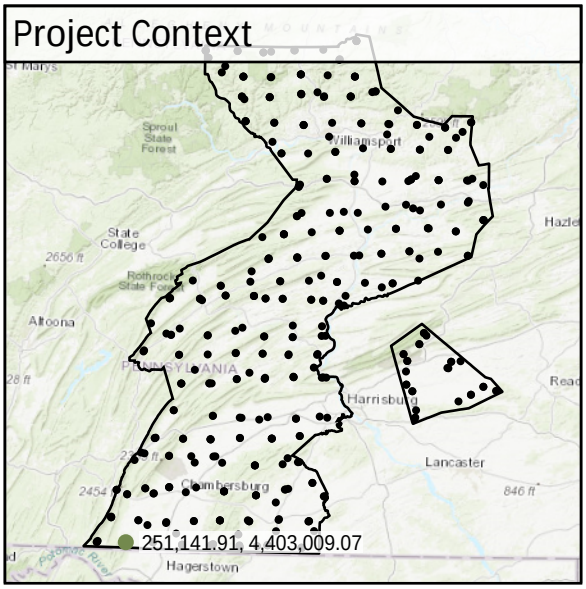
TW30

Known Z	245.77 m	Point Density	4.77 ppsm
DEM Dz	0.02 m	Ground Density	2.76 ppsm
All Points TIN Dz	N/A	Slope	4.11 °

DEM Dz +0.02 m

VVA - TW30

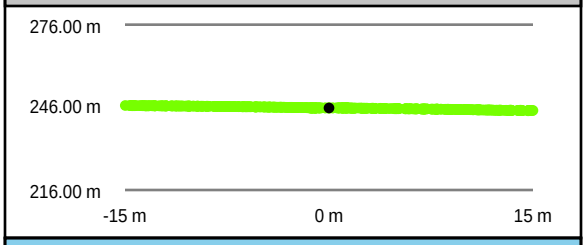
Project Context



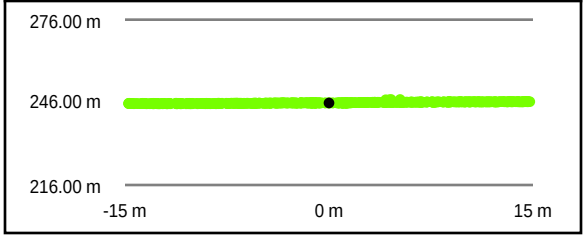
World Imagery



Southwest to Northeast



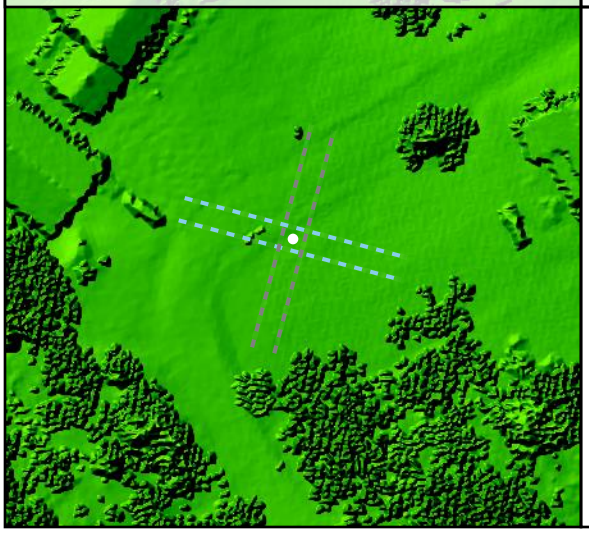
Southeast to Northwest



Intensity Raster



TIN Surface

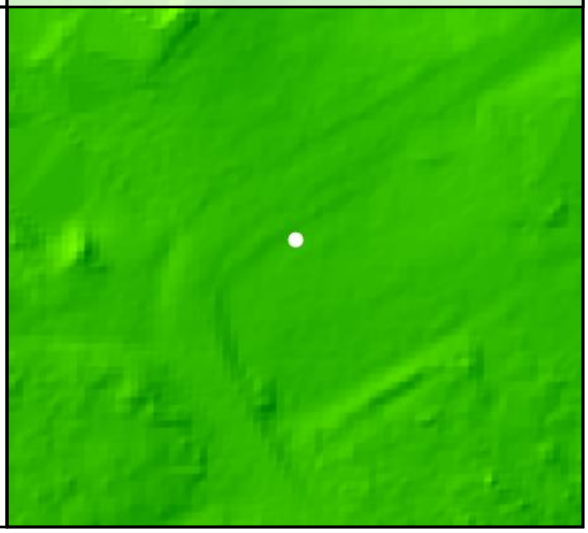


Project Elevation

716.97

103.02

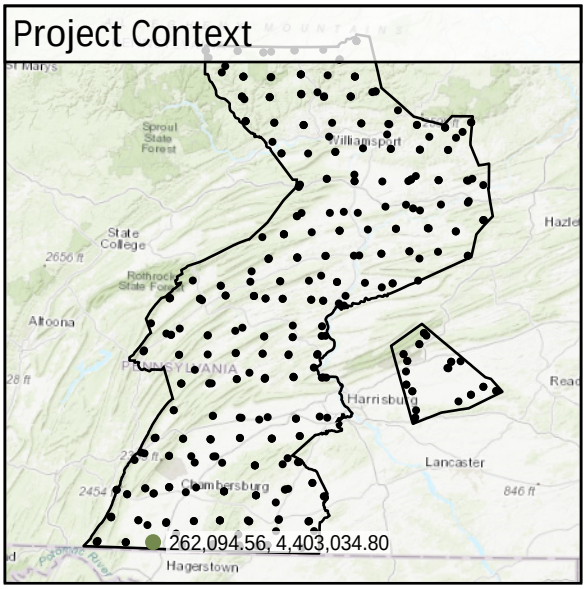
DEM Surface



TW31

Known Z	173.76 m	Point Density	5.02 ppsm
DEM Dz	-0.02 m	Ground Density	2.79 ppsm
All Points TIN Dz	N/A	Slope	7.37 °

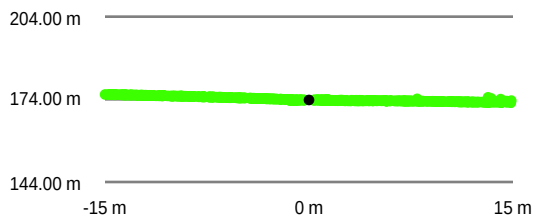
Project Context



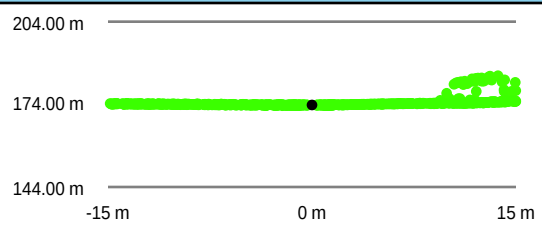
World Imagery



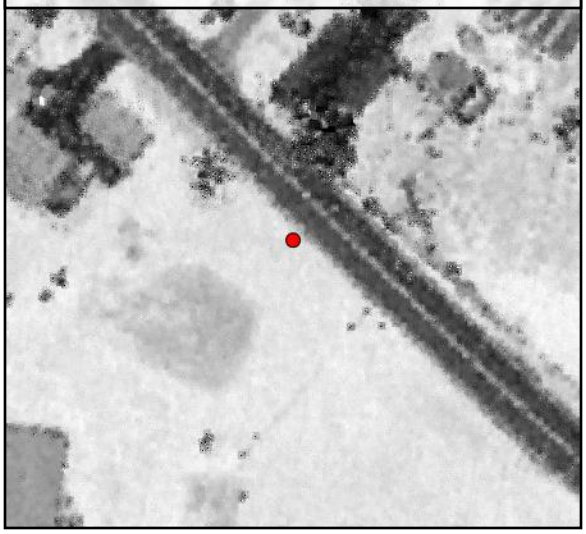
West to East



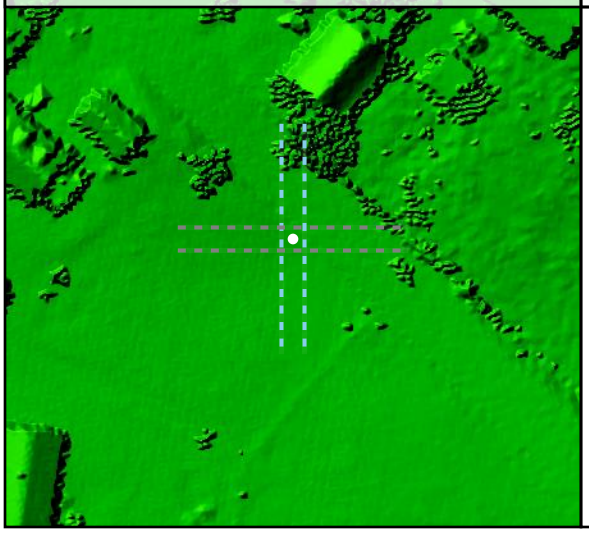
South to North



Intensity Raster



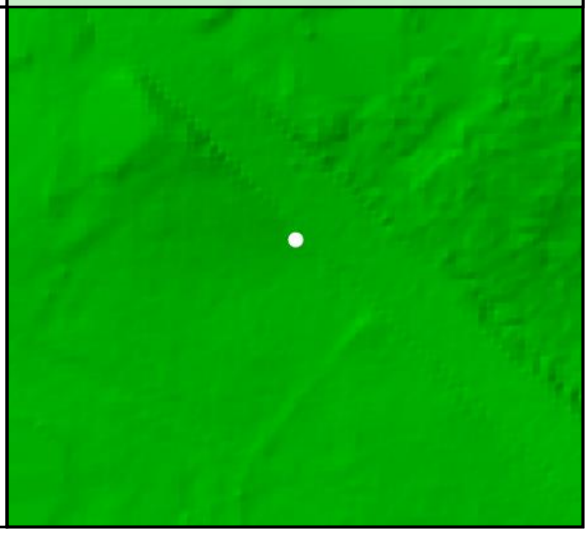
TIN Surface



Project Elevation



DEM Surface

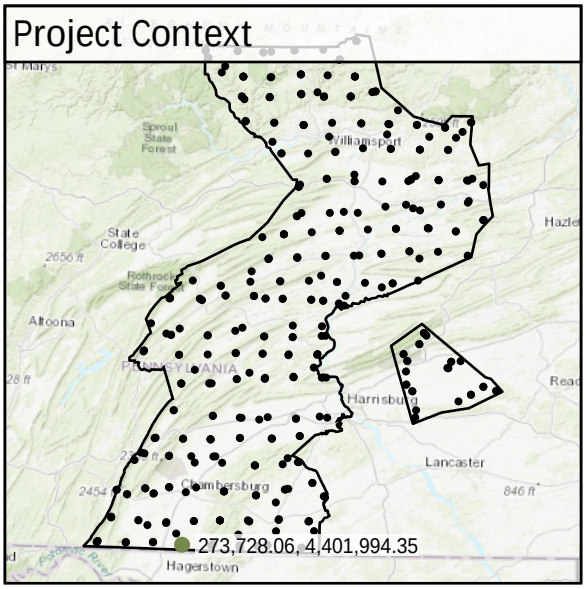


DEM Dz -0.02 m

VVA - TW31

TW32				
	Known Z	203.48 m	Point Density	3.25 ppsm
	DEM Dz	-0.03 m	Ground Density	3.25 ppsm
	All Points TIN Dz	N/A	Slope	2.48 °

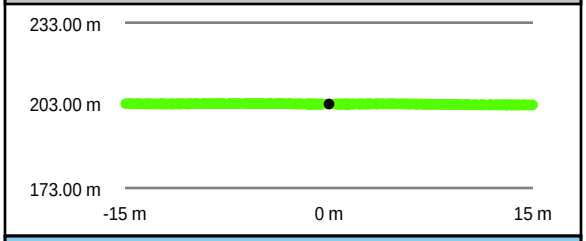
Project Context



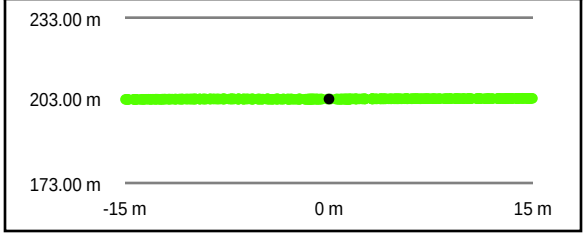
World Imagery



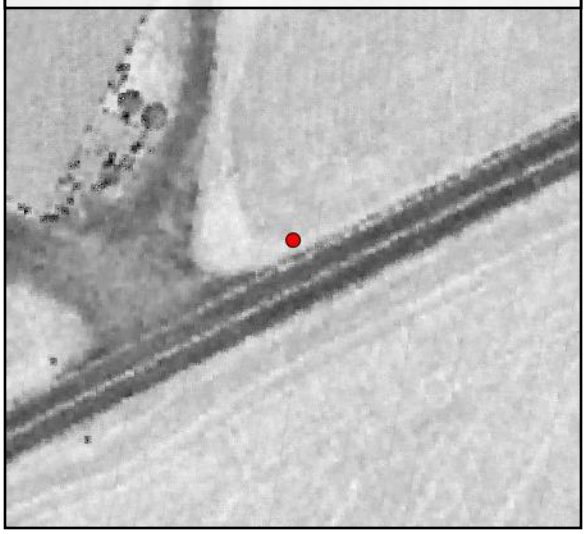
Southeast to Northwest



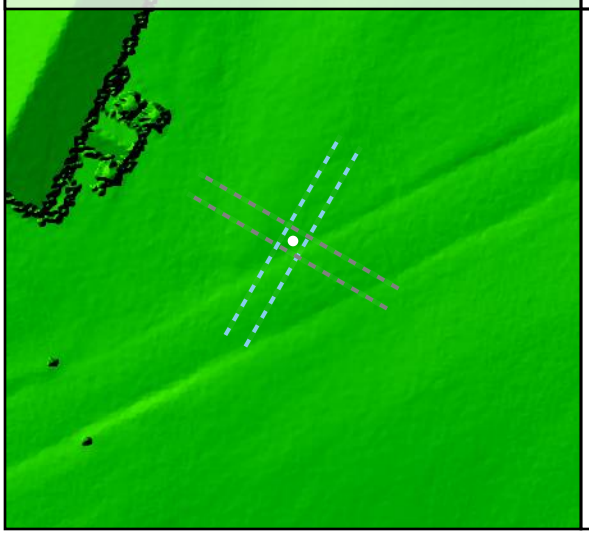
Southwest to Northeast



Intensity Raster



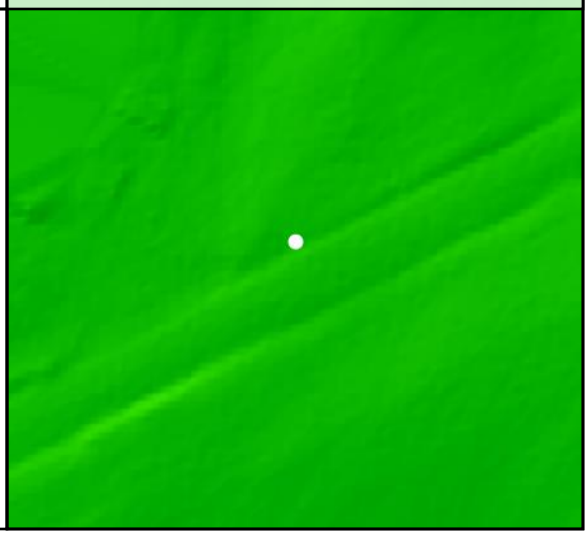
TIN Surface



Project Elevation



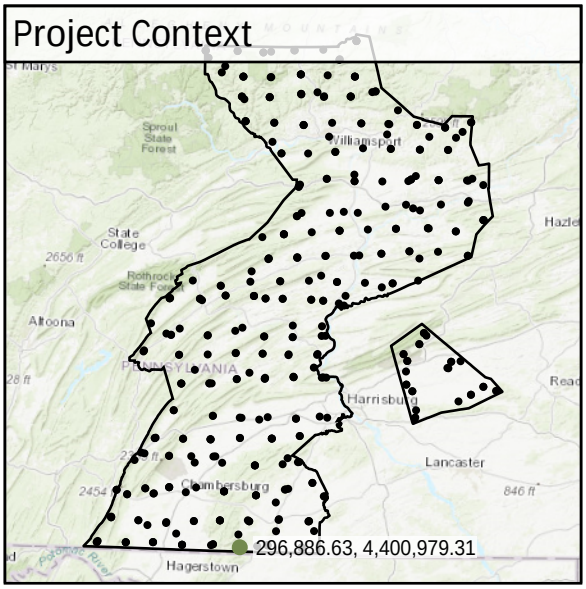
DEM Surface



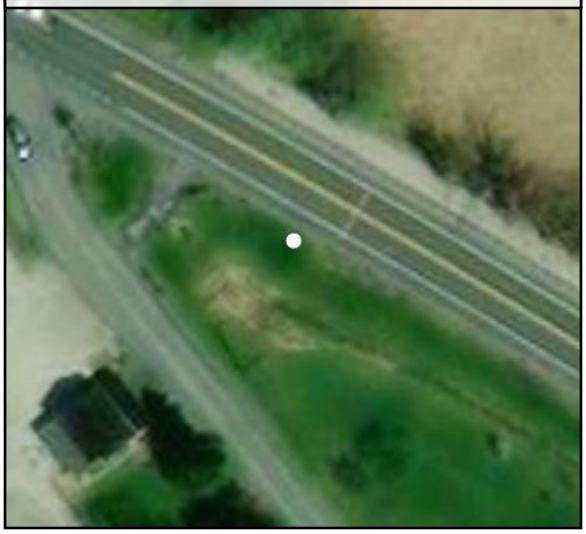
TW33

Known Z	148.85 m	Point Density	4.99 ppsm
DEM Dz	0.06 m	Ground Density	2.94 ppsm
All Points TIN Dz	N/A	Slope	4.52 °

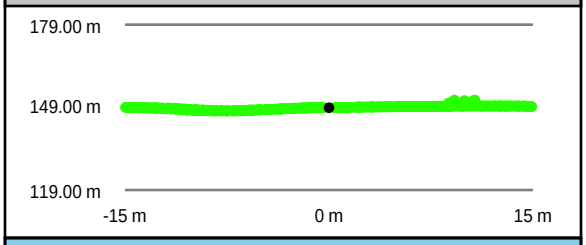
Project Context



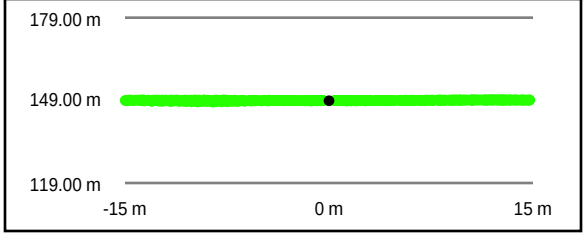
World Imagery



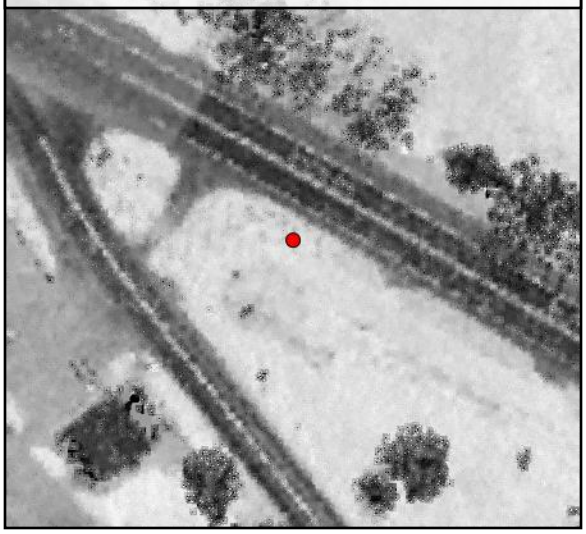
Southwest to Northeast



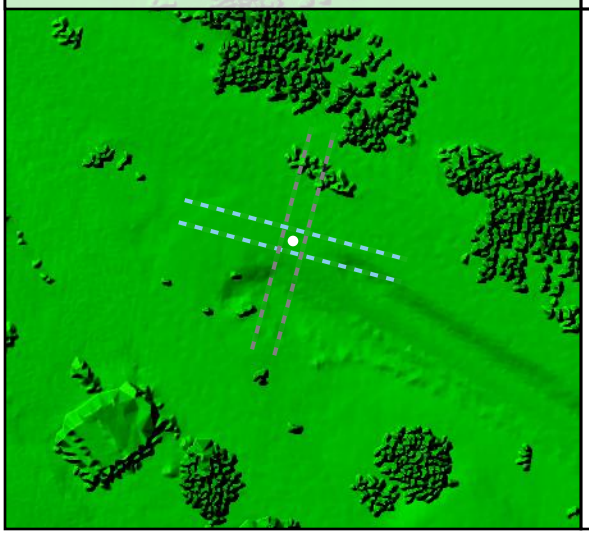
Southeast to Northwest



Intensity Raster



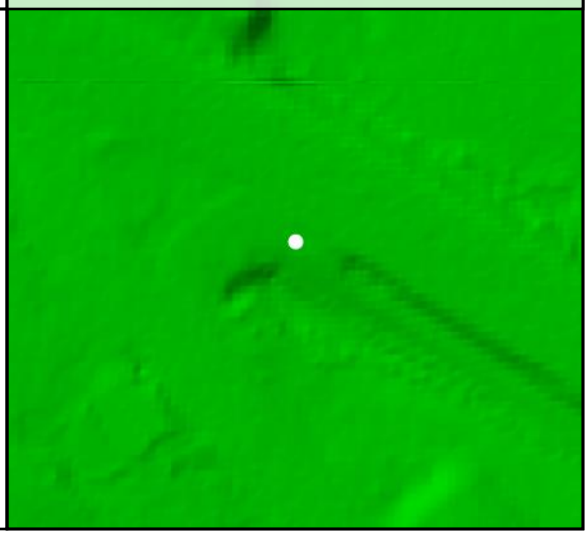
TIN Surface



Project Elevation



DEM Surface



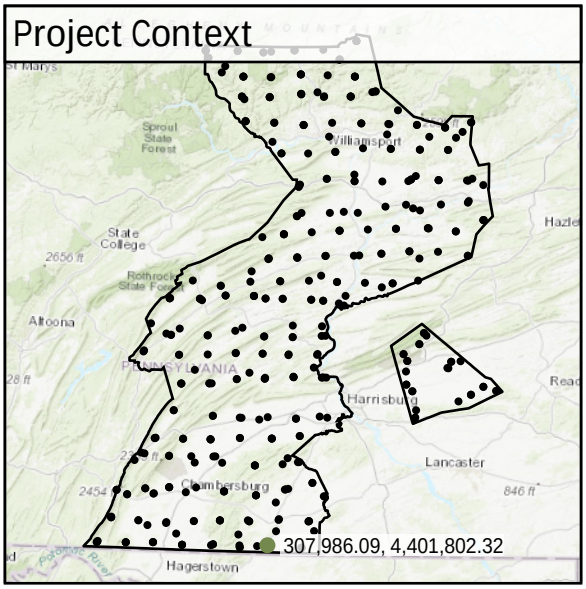
DEM Dz +0.06 m

VVA - TW33

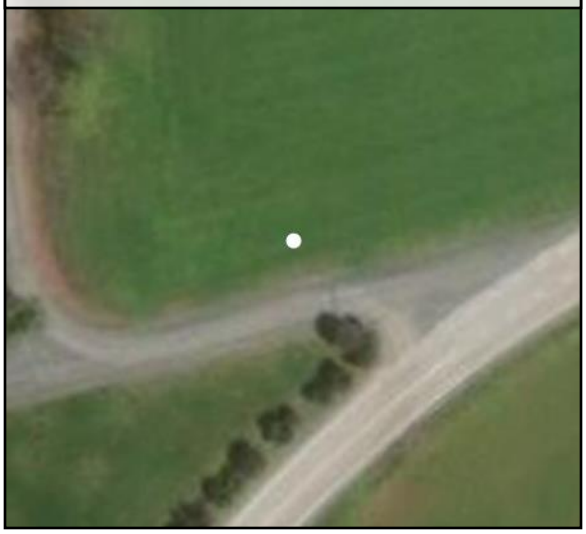
TW34

Known Z	130.48 m	Point Density	5.38 ppsm
DEM Dz	-0.01 m	Ground Density	2.76 ppsm
All Points TIN Dz	N/A	Slope	2.30 °

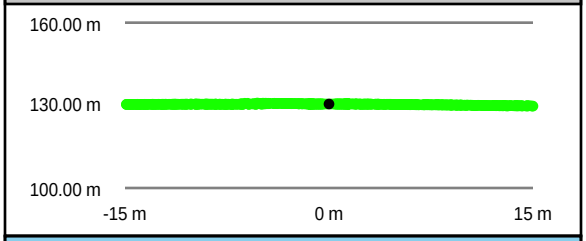
Project Context



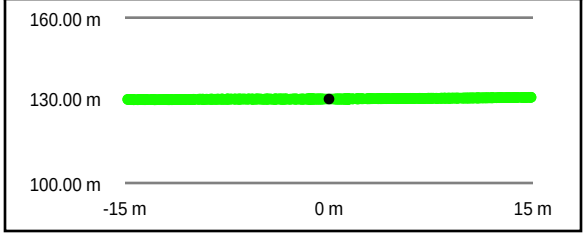
World Imagery



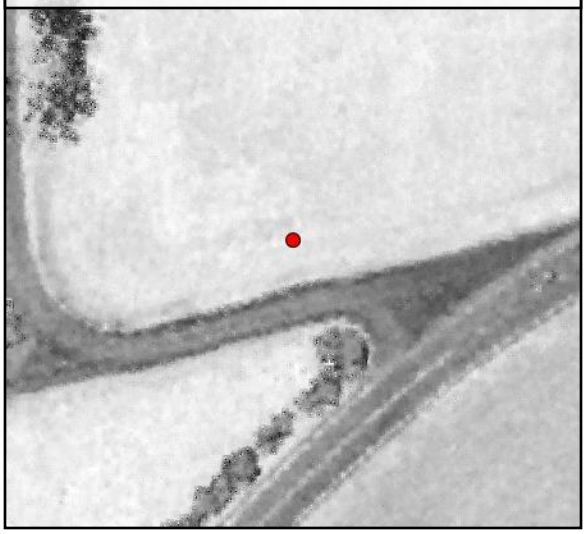
Southeast to Northwest



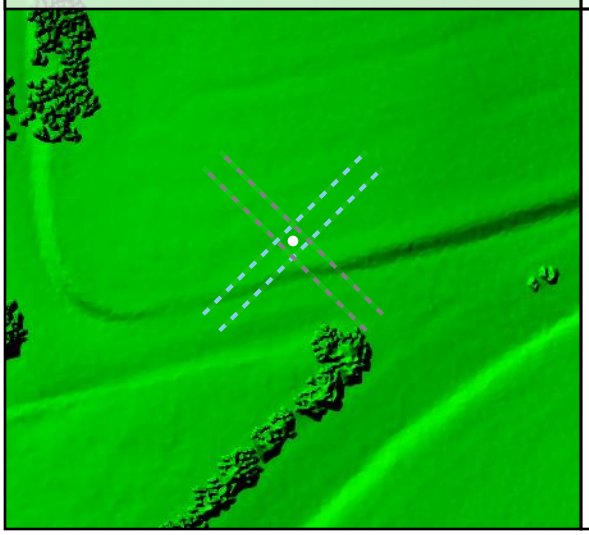
Southwest to Northeast



Intensity Raster



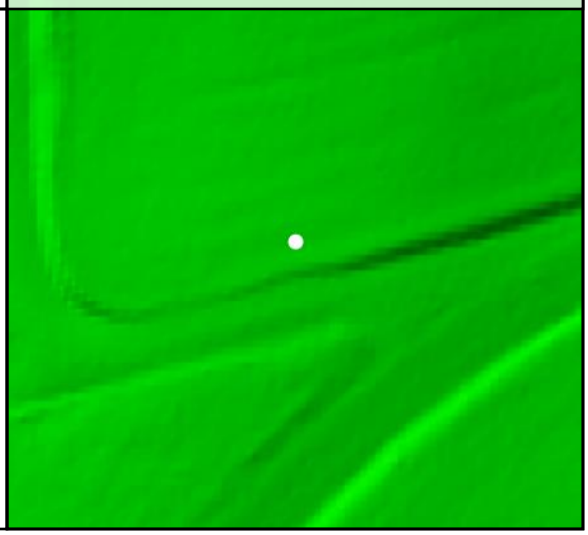
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.01 m

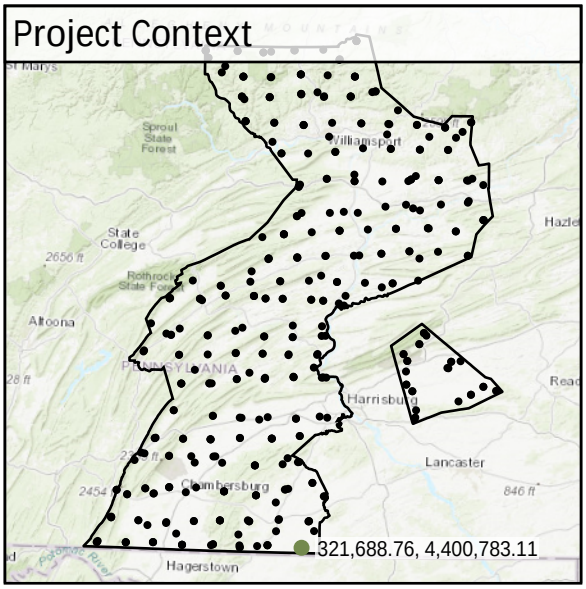
VVA - TW34

TW35				
	Known Z	177.22 m	Point Density	5.48 ppsm
	DEM Dz	0.04 m	Ground Density	2.72 ppsm
	All Points TIN Dz	N/A	Slope	1.08 °

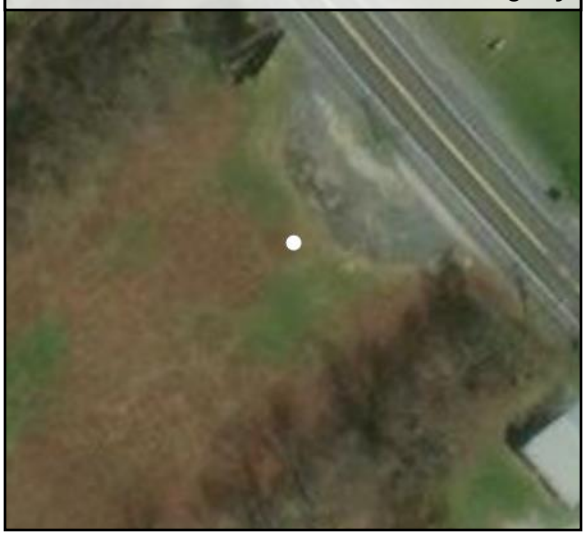
DEM Dz +0.04 m

VVA - TW35

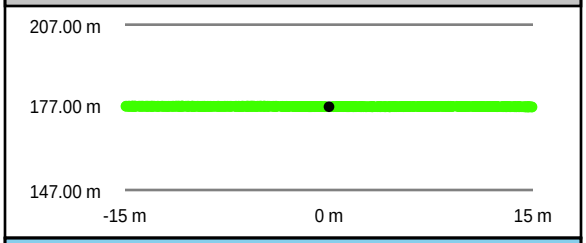
Project Context



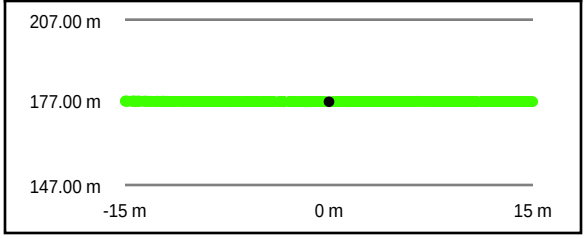
World Imagery



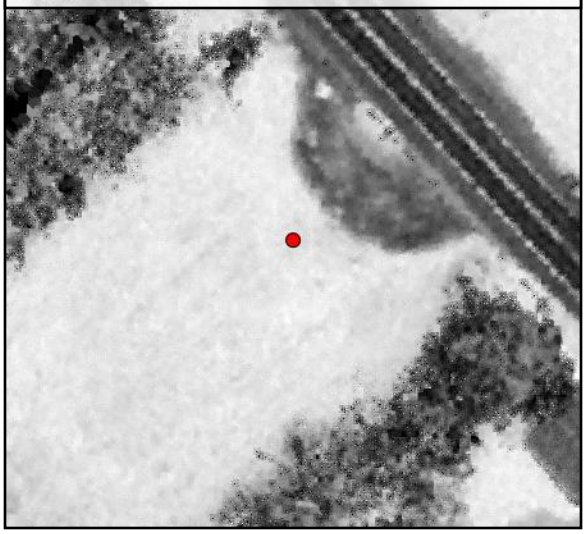
Southwest to Northeast



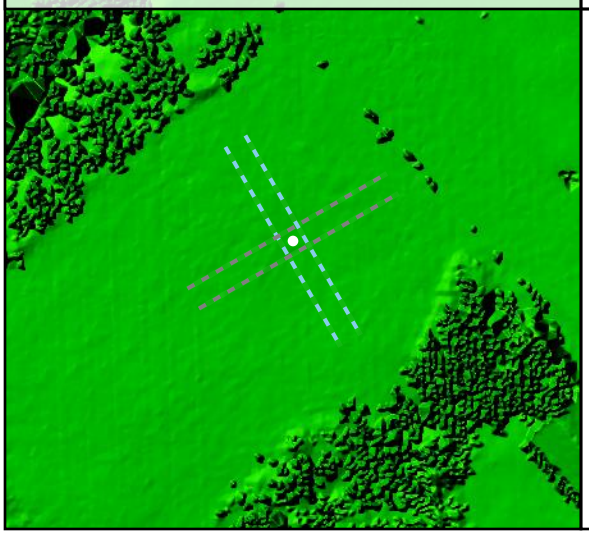
Southeast to Northwest



Intensity Raster



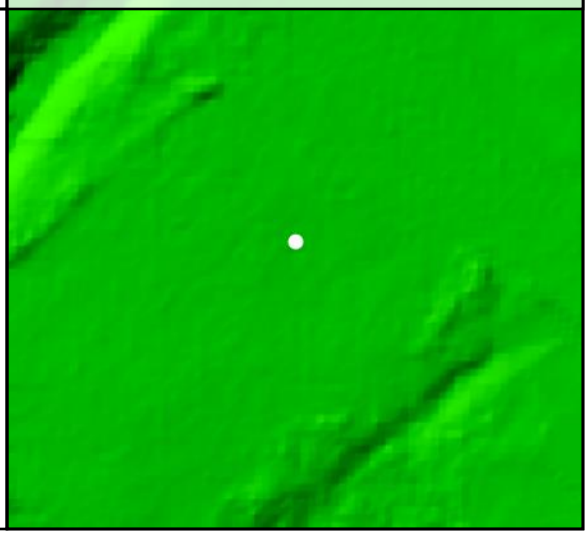
TIN Surface



Project Elevation



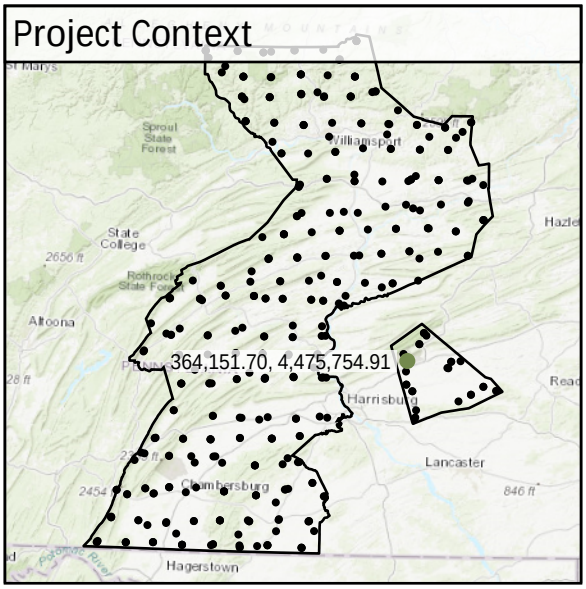
DEM Surface



TW36

Known Z	133.39 m	Point Density	3.89 ppsm
DEM Dz	0.02 m	Ground Density	2.94 ppsm
All Points TIN Dz	N/A	Slope	0.53 °

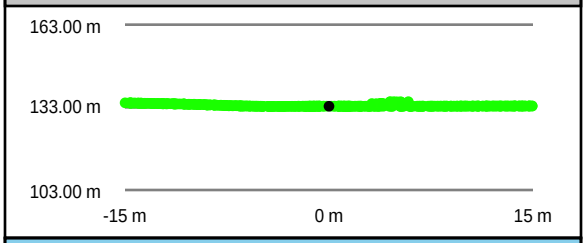
Project Context



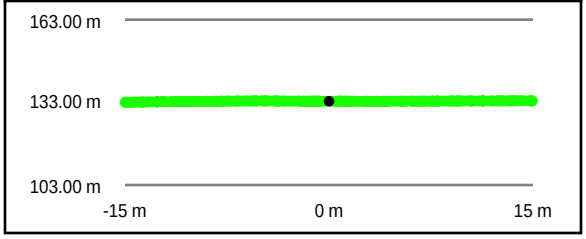
World Imagery



Southwest to Northeast



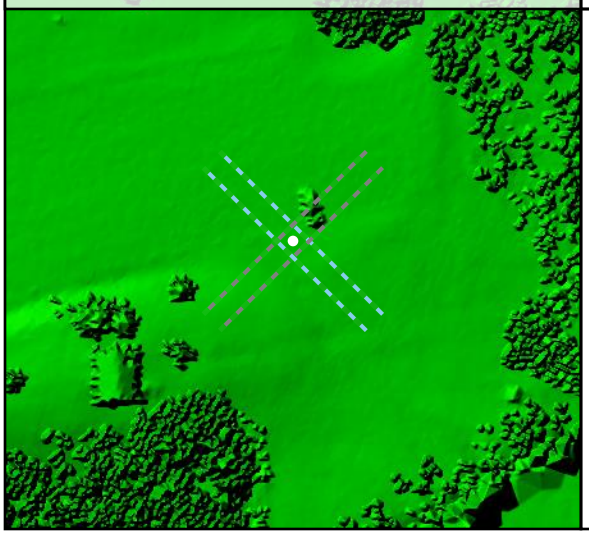
Southeast to Northwest



Intensity Raster



TIN Surface

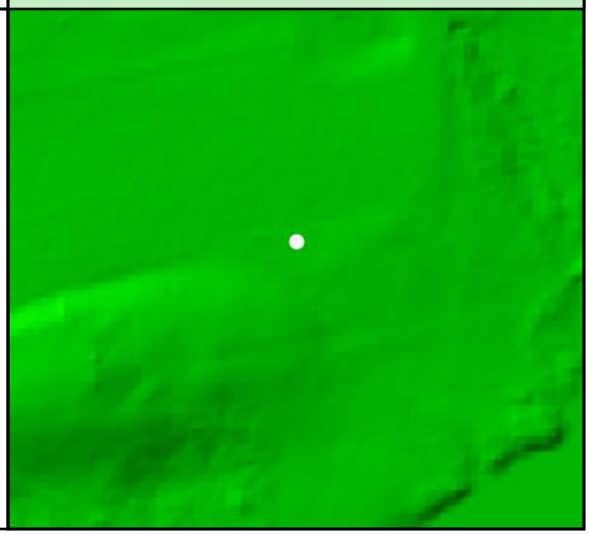


Project Elevation

716.97

103.02

DEM Surface



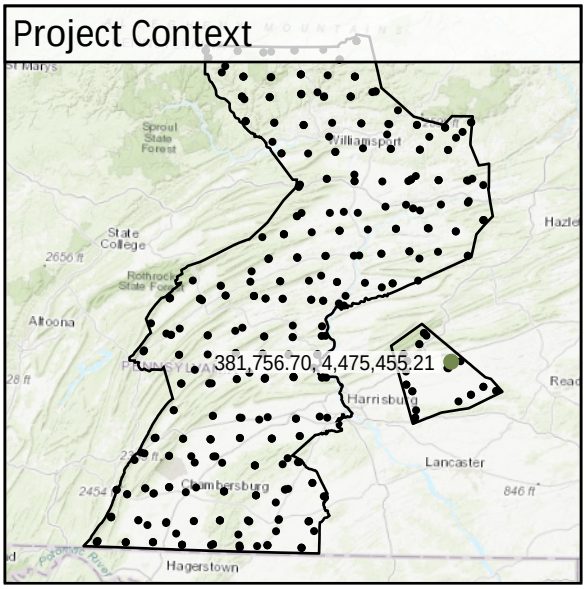
DEM Dz +0.02 m

VVA - TW36

TW37

Known Z	145.95 m	Point Density	5.59 ppsm
DEM Dz	0.05 m	Ground Density	2.76 ppsm
All Points TIN Dz	N/A	Slope	3.22 °

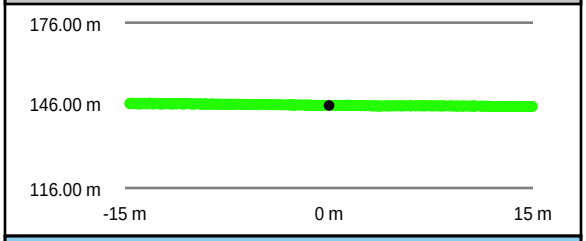
Project Context



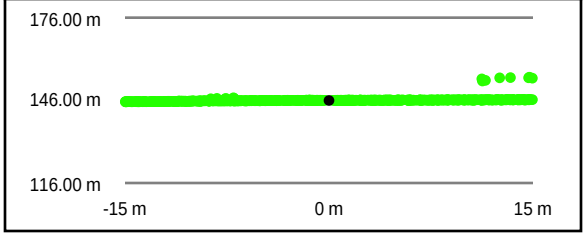
World Imagery



Southeast to Northwest



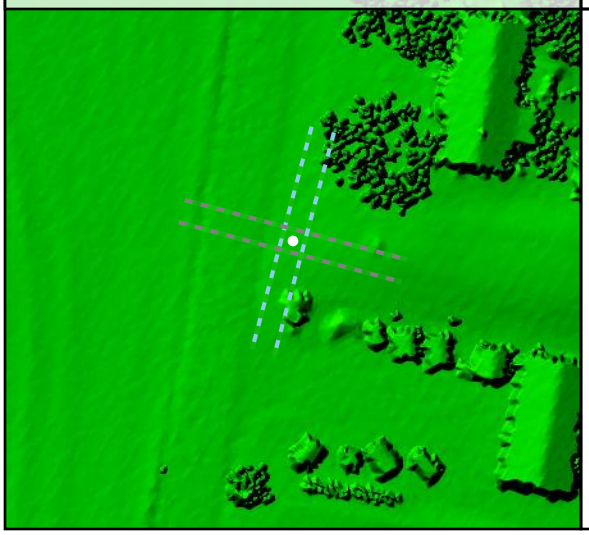
Southwest to Northeast



Intensity Raster



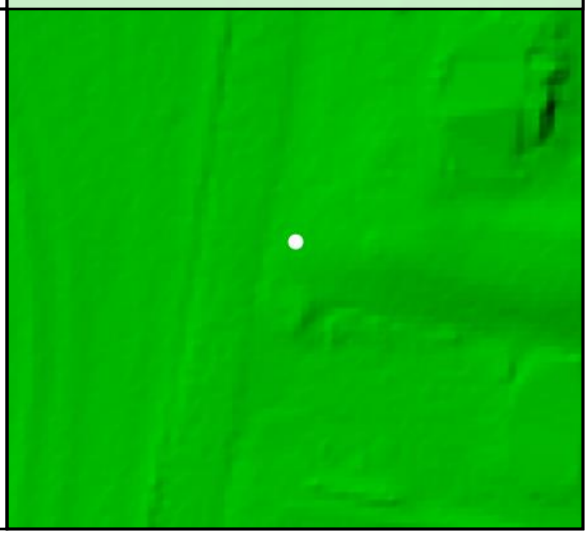
TIN Surface



Project Elevation



DEM Surface



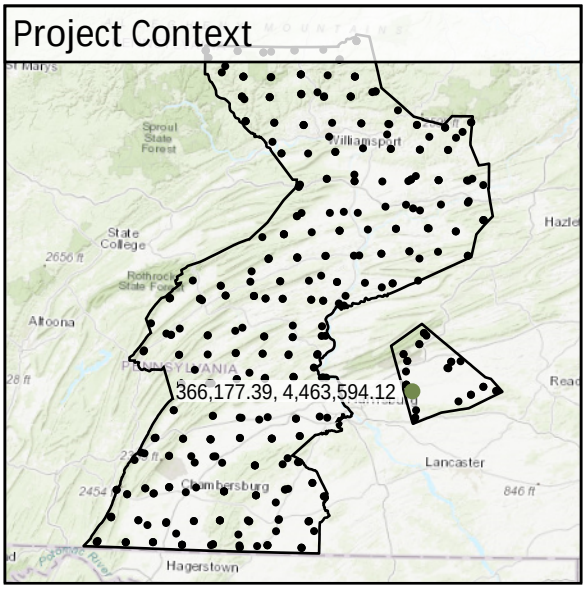
DEM Dz +0.05 m

VVA - TW37

TW38

Known Z	134.23 m	Point Density	3.93 ppsm
DEM Dz	0.03 m	Ground Density	3.01 ppsm
All Points TIN Dz	N/A	Slope	3.77 °

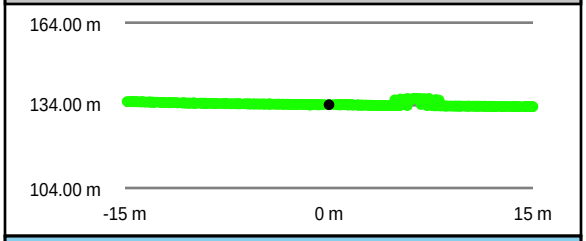
Project Context



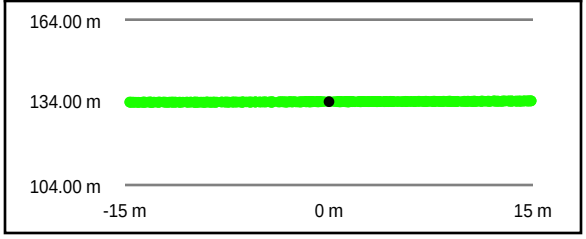
World Imagery



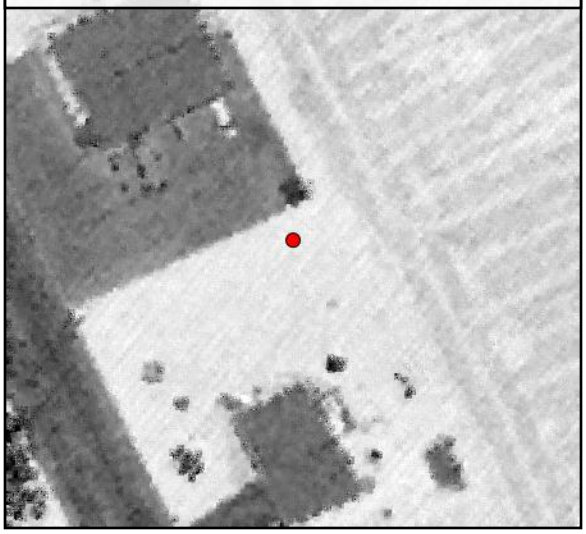
South to North



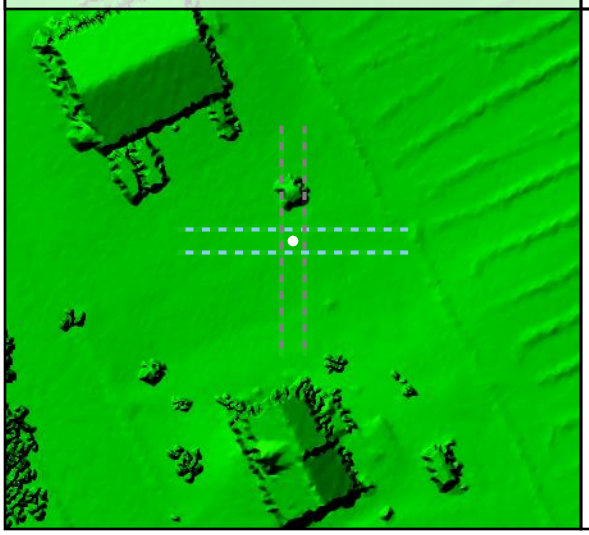
West to East



Intensity Raster



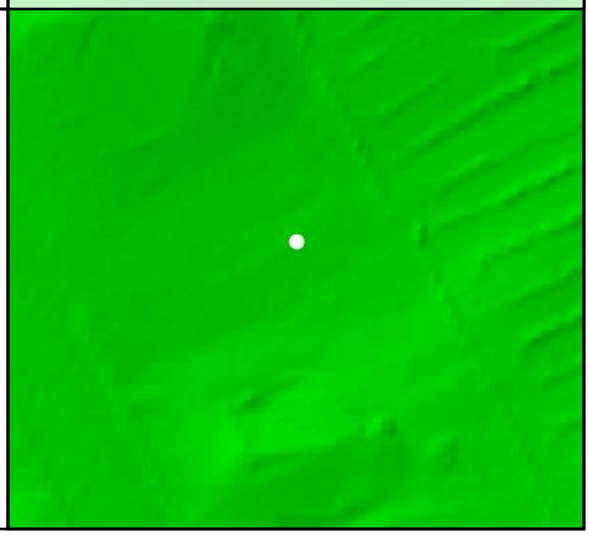
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.03 m

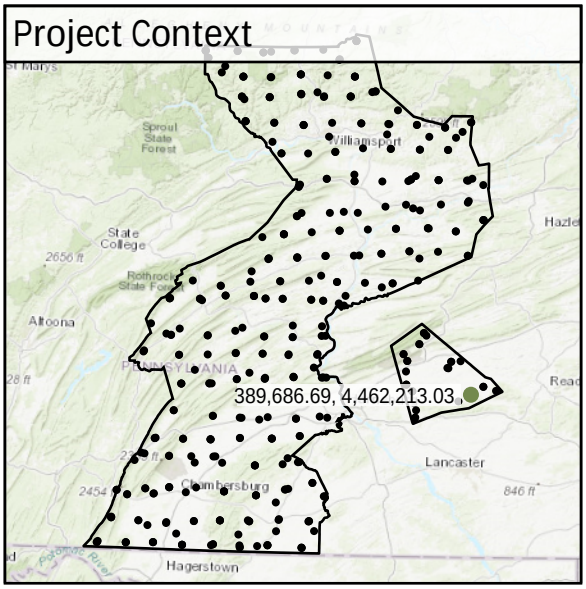
VVA - TW38

TW39				
	Known Z	184.13 m	Point Density	5.48 ppsm
	DEM Dz	0.05 m	Ground Density	2.90 ppsm
	All Points TIN Dz	N/A	Slope	0.70 °

DEM Dz +0.05 m

VVA - TW39

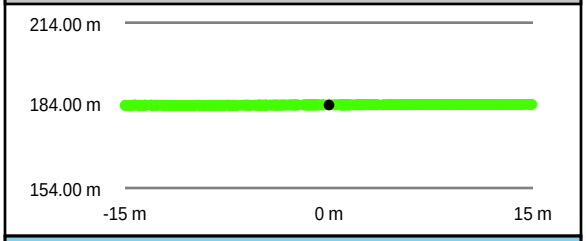
Project Context



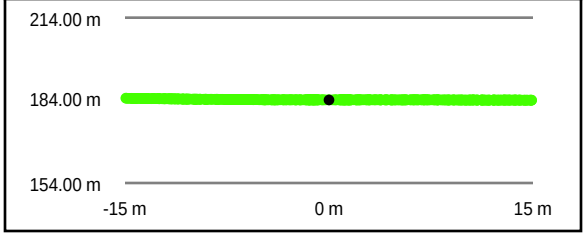
World Imagery



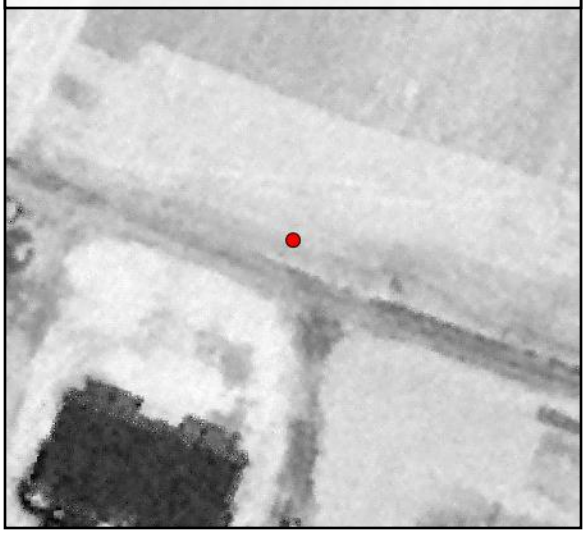
Southeast to Northwest



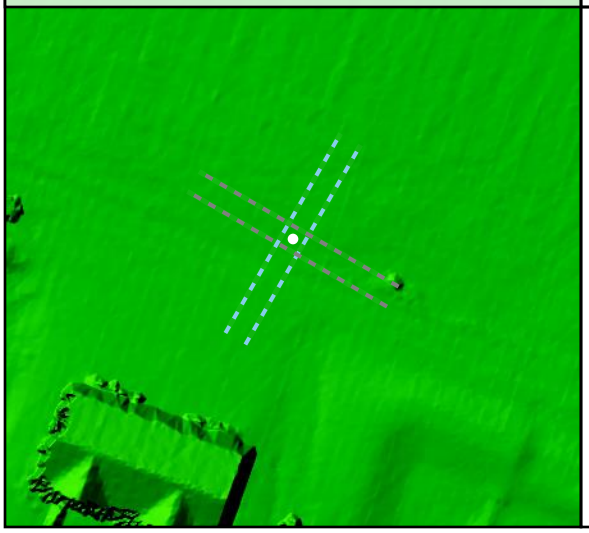
Southwest to Northeast



Intensity Raster



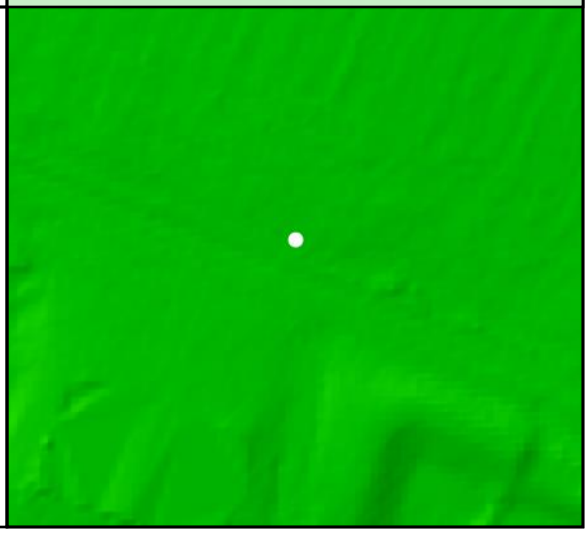
TIN Surface



Project Elevation



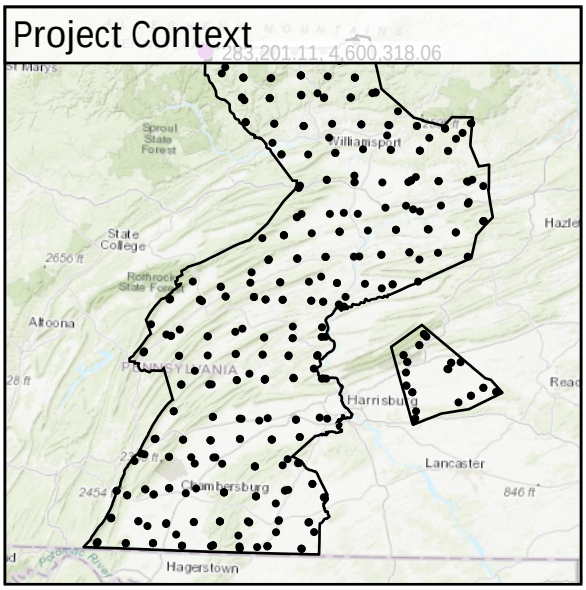
DEM Surface



CA001

Known Z	605.32 m	Point Density	9.83 ppsm
DEM Dz	-0.12 m	Ground Density	3.71 ppsm
All Points TIN Dz	-0.11 m	Slope	0.78 °

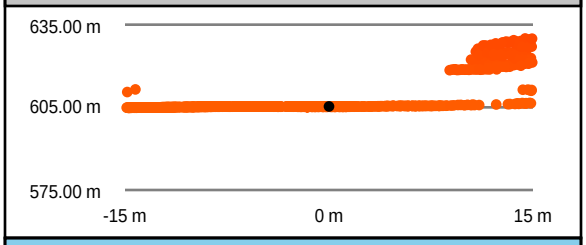
Project Context



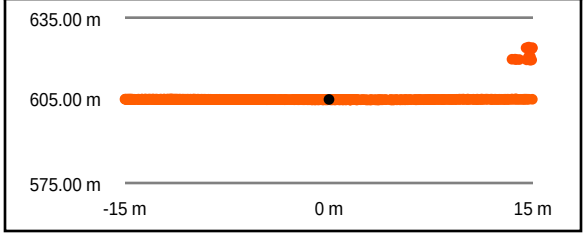
World Imagery



Southwest to Northeast



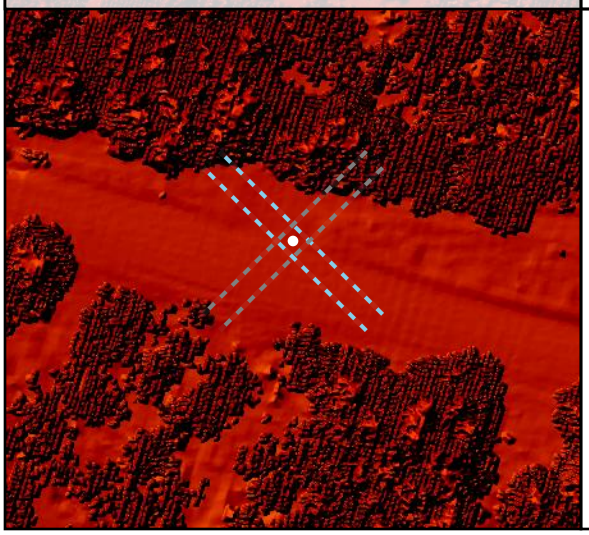
Southeast to Northwest



Intensity Raster



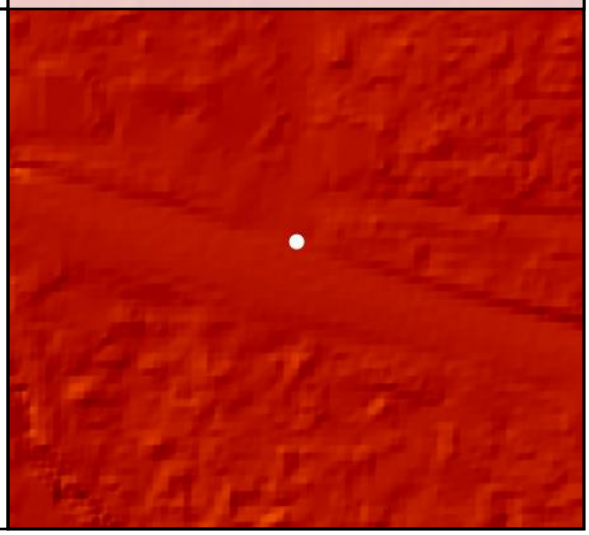
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.12 m

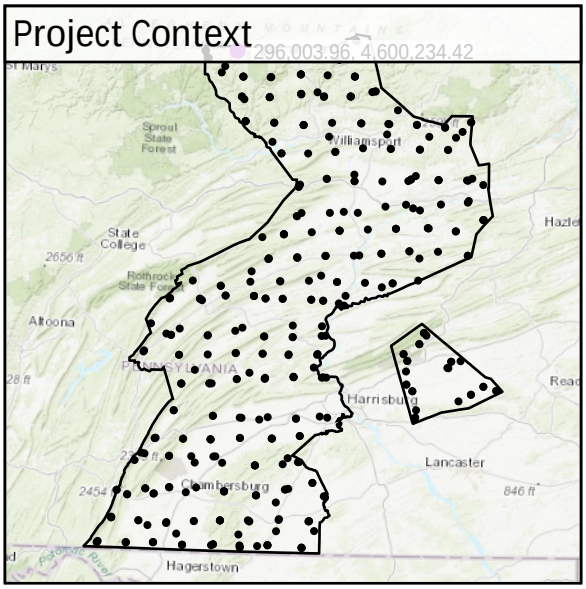
CAL - CA001

All Points TIN Dz -0.11 m

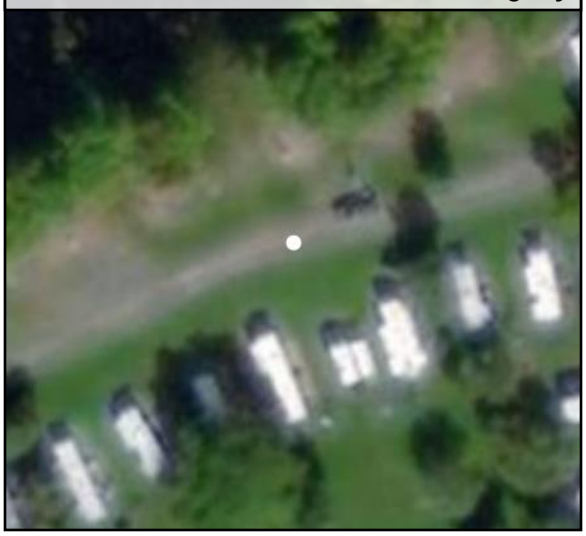
CA002

Known Z	244.36 m	Point Density	5.94 ppsm
DEM Dz	0.00 m	Ground Density	3.29 ppsm
All Points TIN Dz	0.00 m	Slope	0.42 °

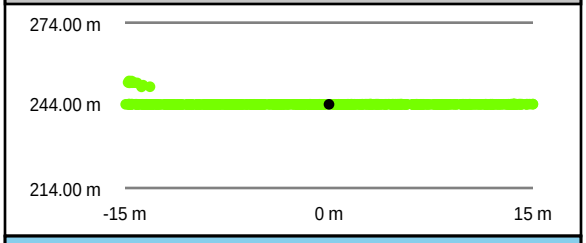
Project Context



World Imagery



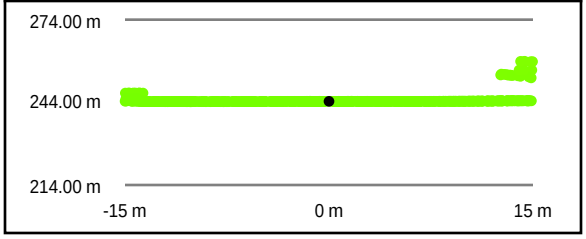
Southeast to Northwest



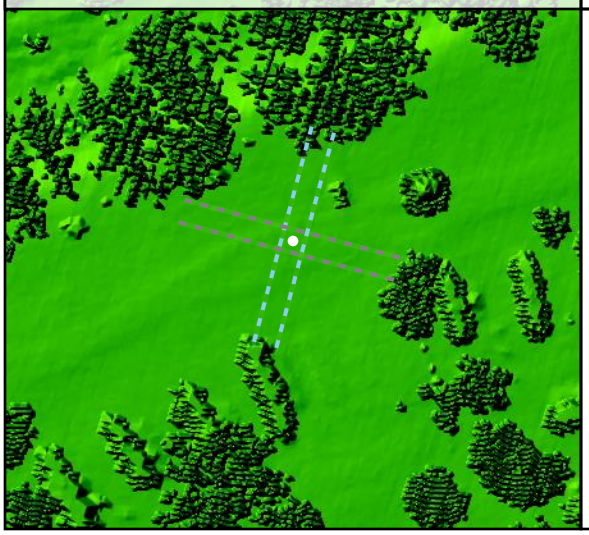
Intensity Raster



Southwest to Northeast



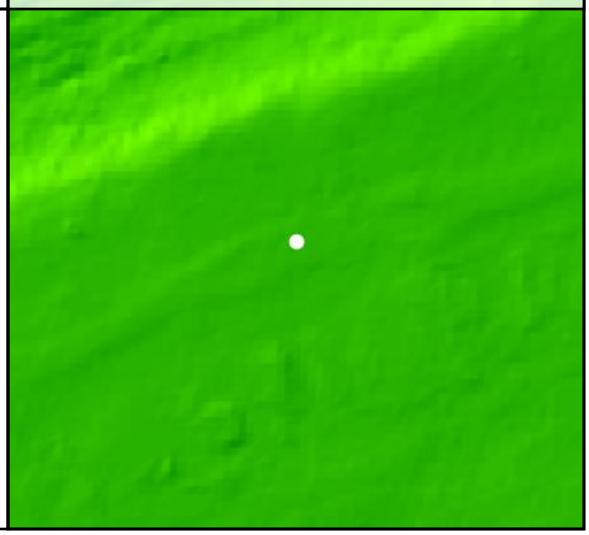
TIN Surface



Project Elevation



DEM Surface



DEM Dz 0.00 m

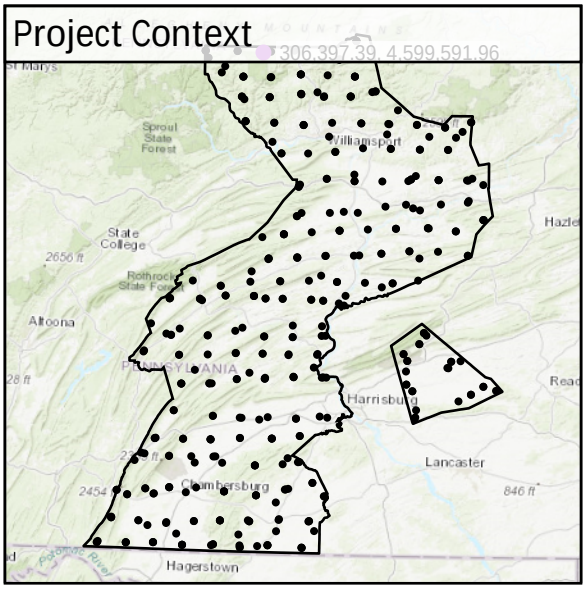
CAL - CA002

All Points TIN Dz +0.00 m

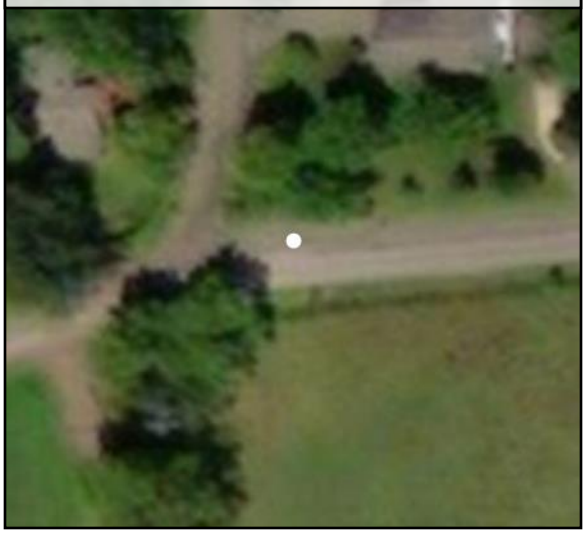
CA003

Known Z	529.71 m	Point Density	6.90 ppsm
DEM Dz	0.01 m	Ground Density	3.93 ppsm
All Points TIN Dz	0.01 m	Slope	2.94 °

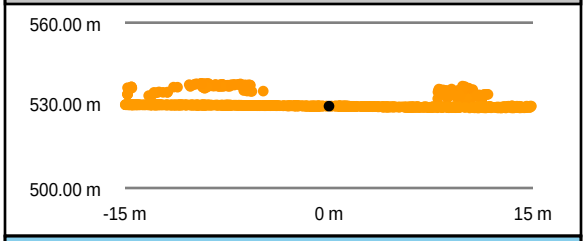
Project Context



World Imagery



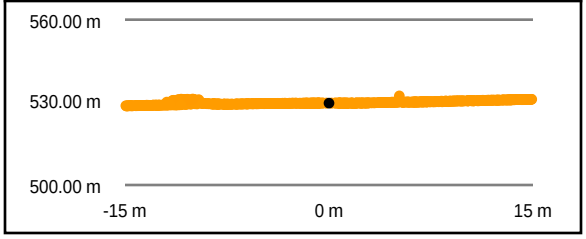
Southwest to Northeast



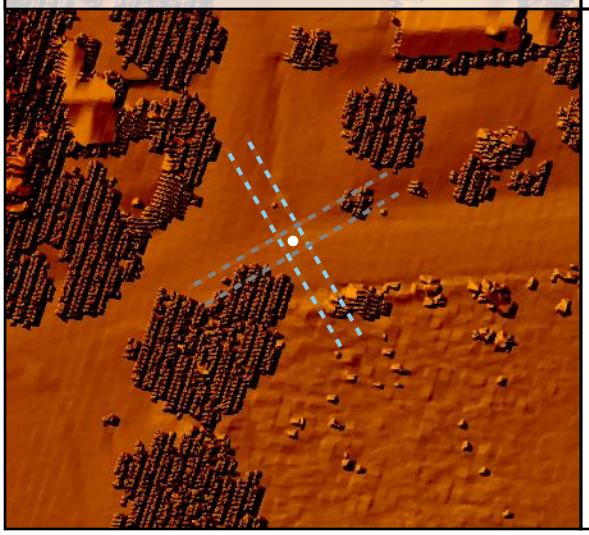
Intensity Raster



Southeast to Northwest



TIN Surface

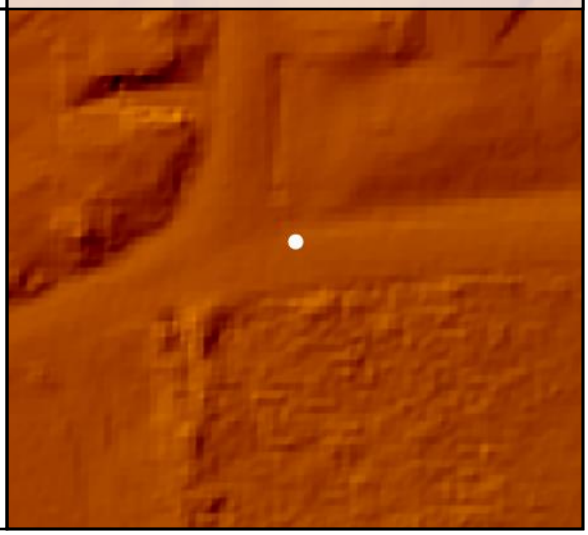


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.01 m

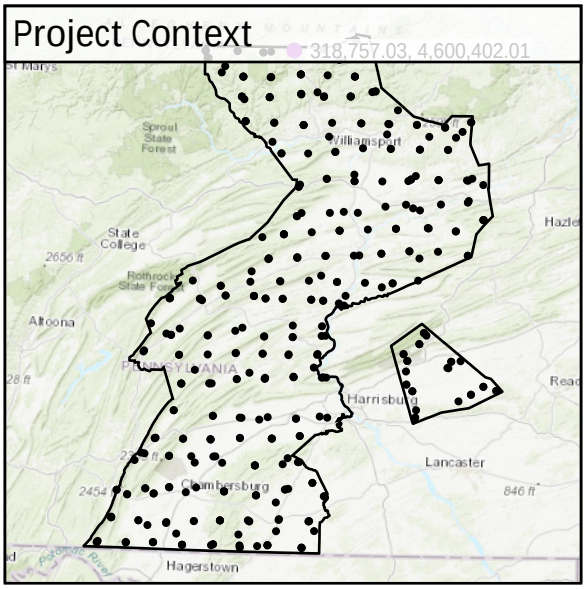
CAL - CA003

All Points TIN Dz +0.01 m

CA004

Known Z	488.93 m	Point Density	4.85 ppsm
DEM Dz	-0.02 m	Ground Density	4.85 ppsm
All Points TIN Dz	0.00 m	Slope	2.95 °

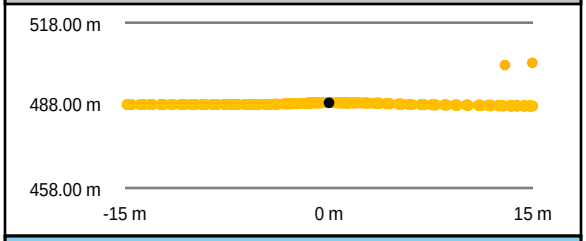
Project Context



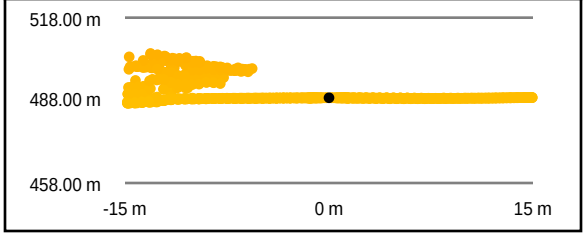
World Imagery



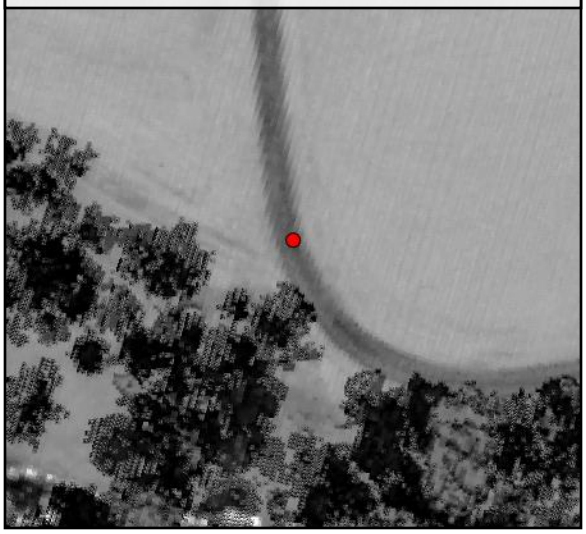
Southeast to Northwest



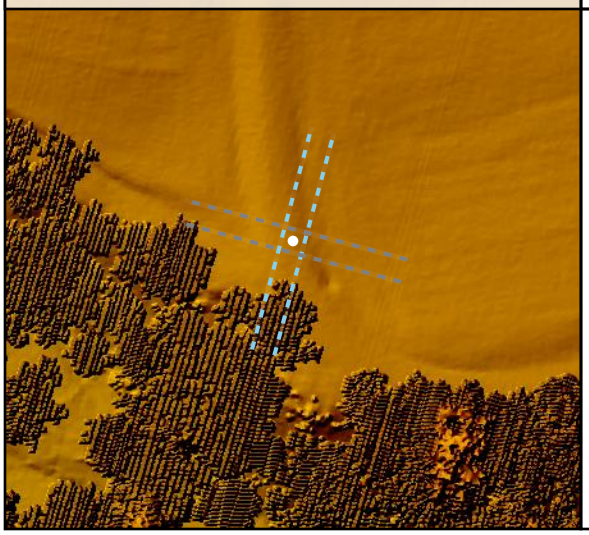
Southwest to Northeast



Intensity Raster



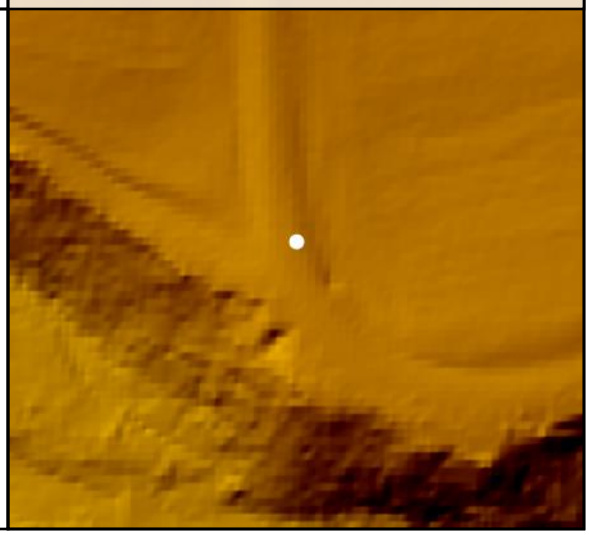
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.02 m

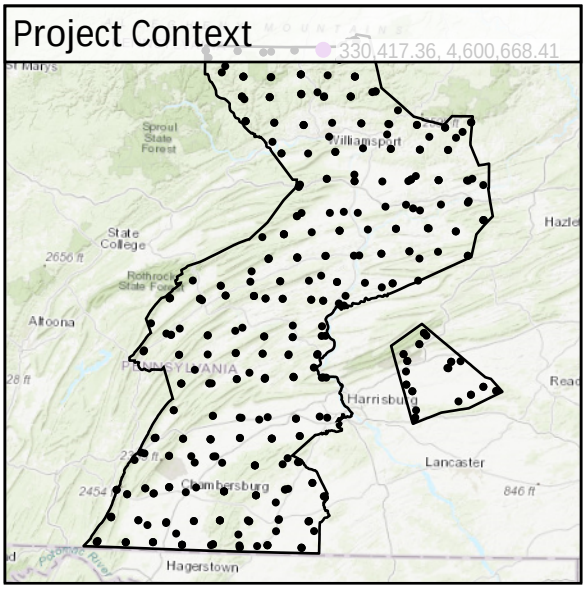
CAL - CA004

All Points TIN Dz +0.00 m

CA005

Known Z	406.28 m	Point Density	2.41 ppsm
DEM Dz	-0.04 m	Ground Density	2.41 ppsm
All Points TIN Dz	-0.04 m	Slope	5.66 °

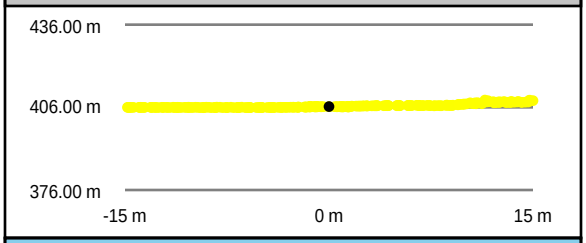
Project Context



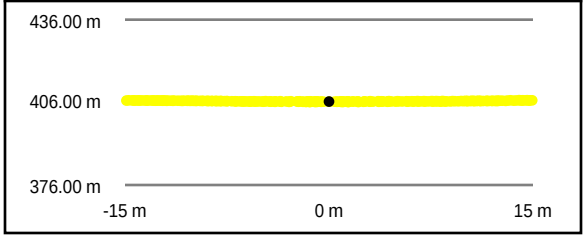
World Imagery



South to North



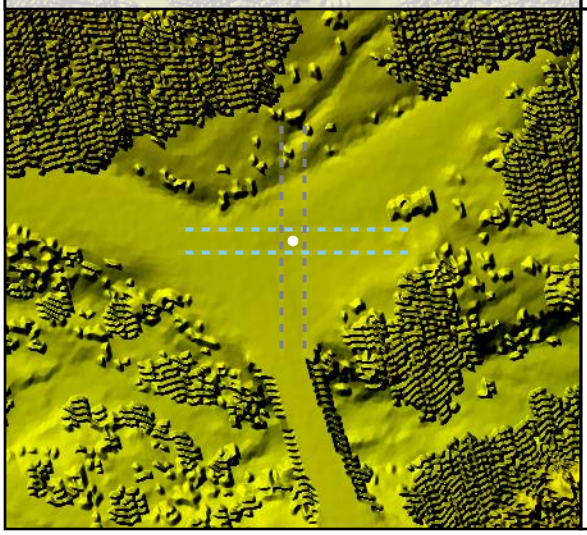
West to East



Intensity Raster



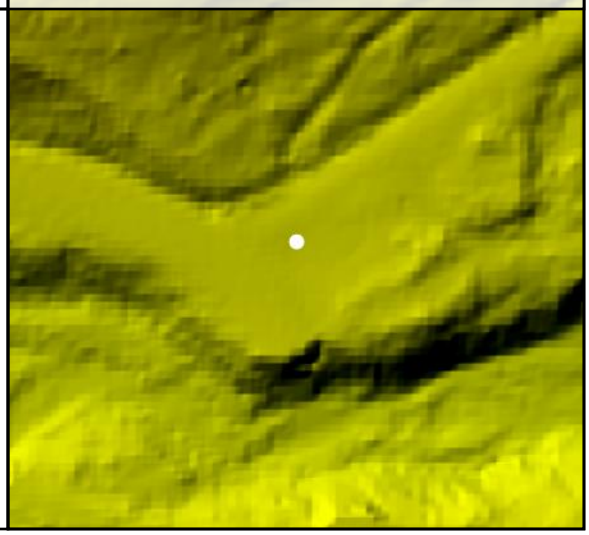
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.04 m

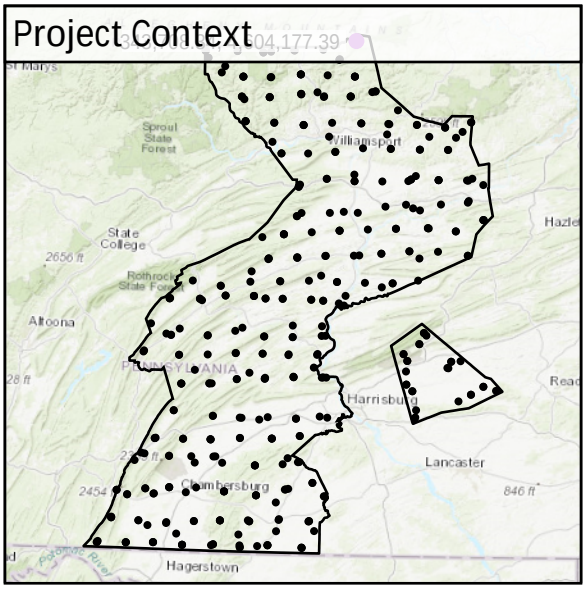
CAL - CA005

All Points TIN Dz -0.04 m

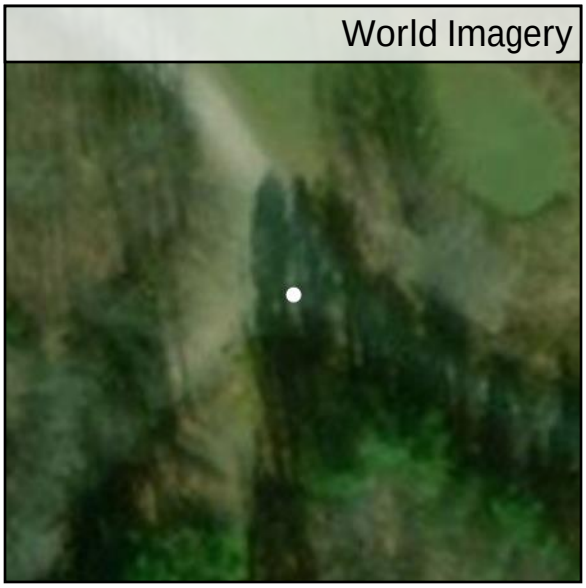
CA006

Known Z	611.56 m	Point Density	7.25 ppsm
DEM Dz	0.00 m	Ground Density	4.99 ppsm
All Points TIN Dz	0.01 m	Slope	3.45 °

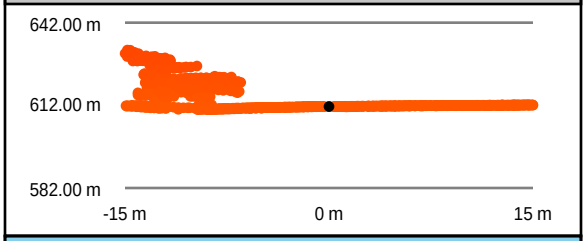
Project Context



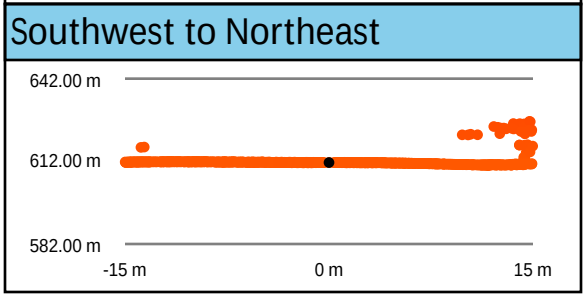
World Imagery



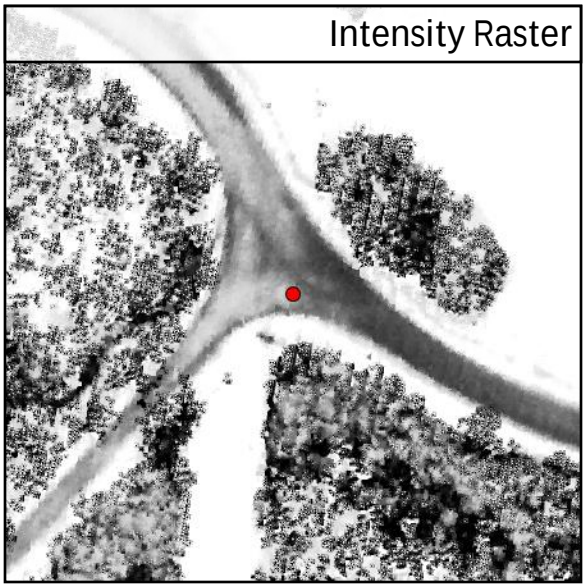
Southeast to Northwest



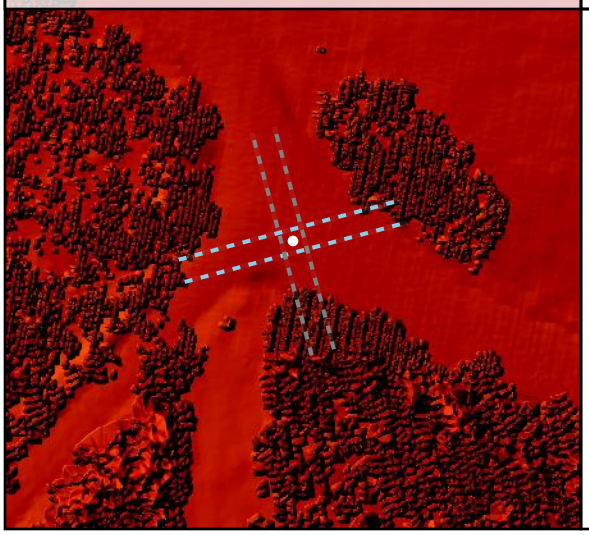
Southwest to Northeast



Intensity Raster



TIN Surface

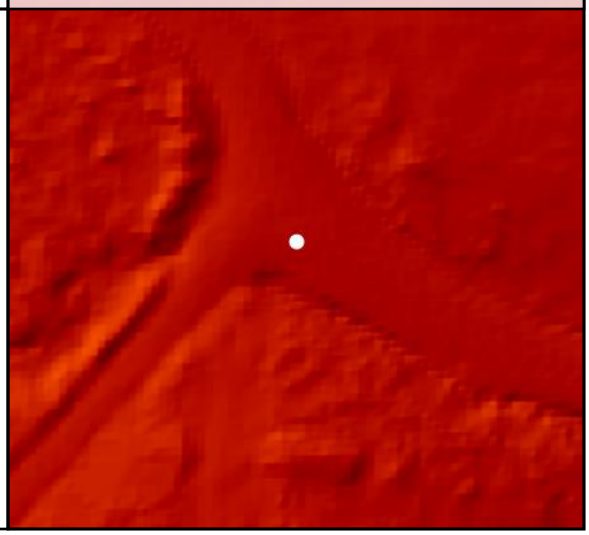


Project Elevation

716.97

103.02

DEM Surface



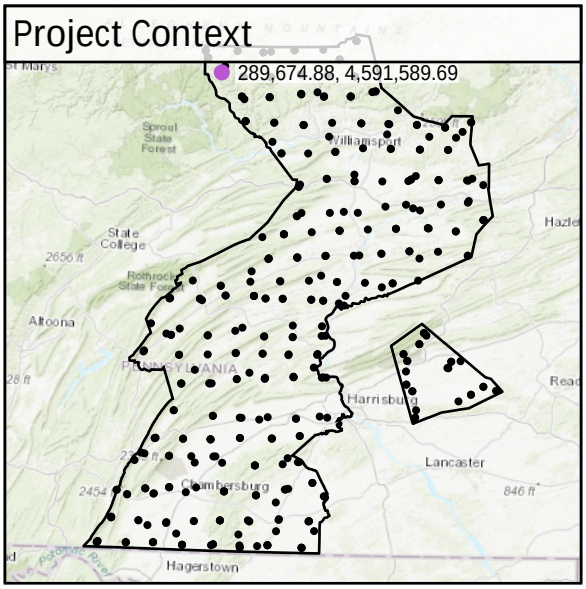
DEM Dz +0.00 m

CAL - CA006

All Points TIN Dz +0.01 m

CA007				
	Known Z	221.43 m	Point Density	5.59 ppsm
	DEM Dz	-0.07 m	Ground Density	2.62 ppsm
	All Points TIN Dz	-0.07 m	Slope	0.30 °

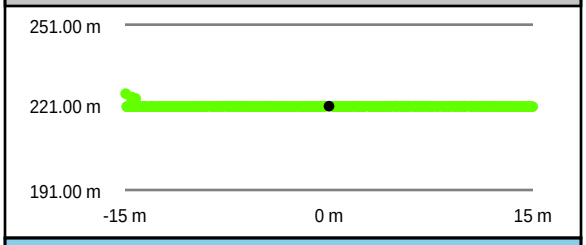
Project Context



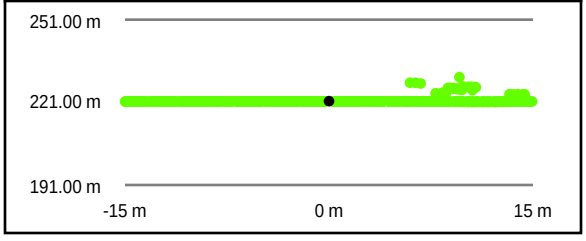
World Imagery



Southwest to Northeast



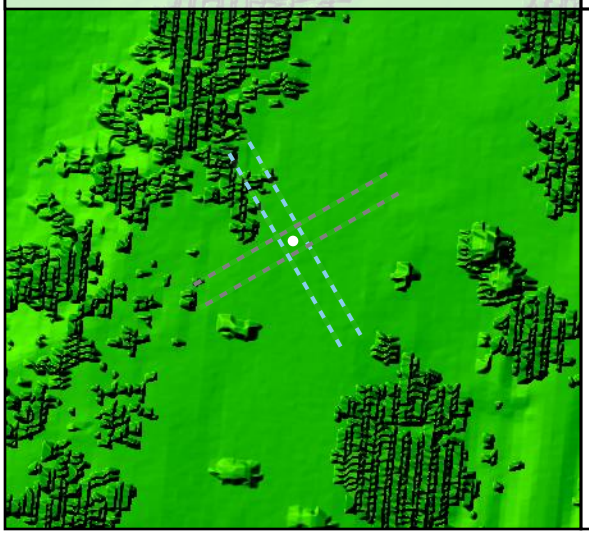
Southeast to Northwest



Intensity Raster



TIN Surface

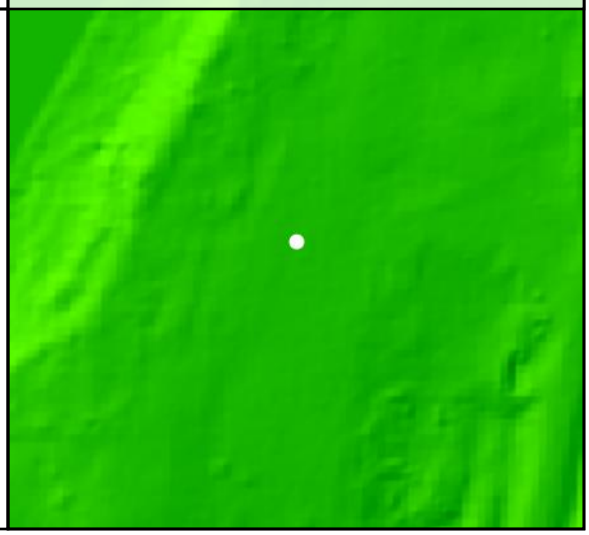


Project Elevation

716.97

103.02

DEM Surface



DEM Dz -0.07 m

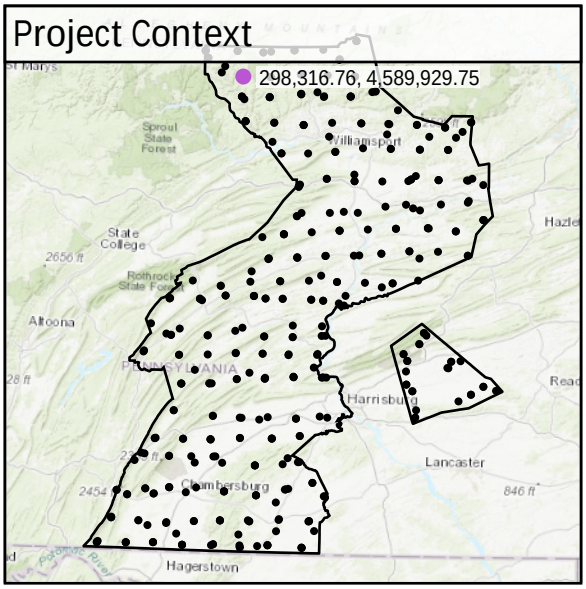
CAL - CA007

All Points TIN Dz -0.07 m

CA008

Known Z	520.36 m	Point Density	2.48 ppsm
DEM Dz	0.03 m	Ground Density	2.48 ppsm
All Points TIN Dz	0.03 m	Slope	3.22 °

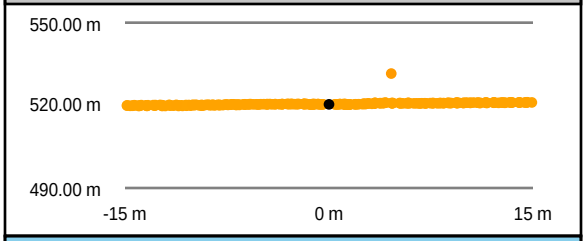
Project Context



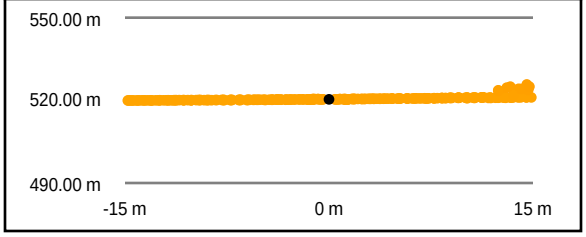
World Imagery



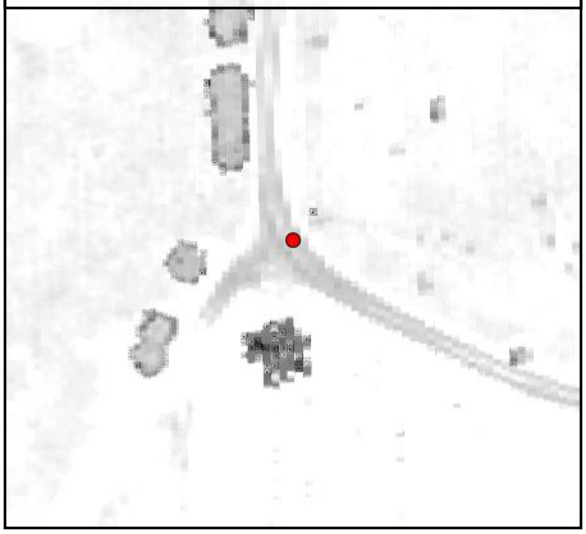
Southwest to Northeast



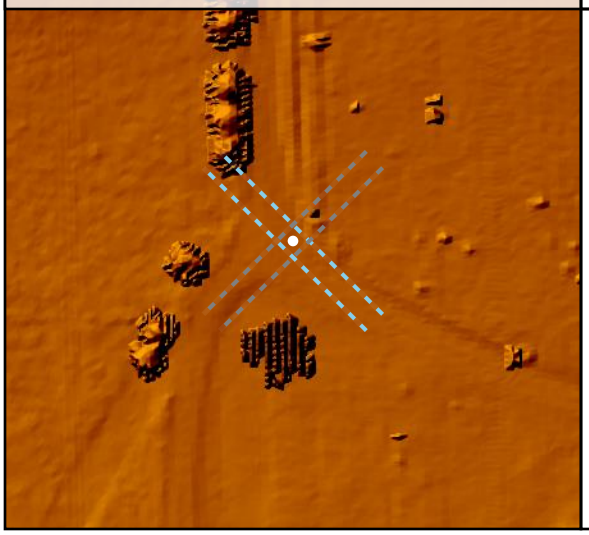
Southeast to Northwest



Intensity Raster



TIN Surface

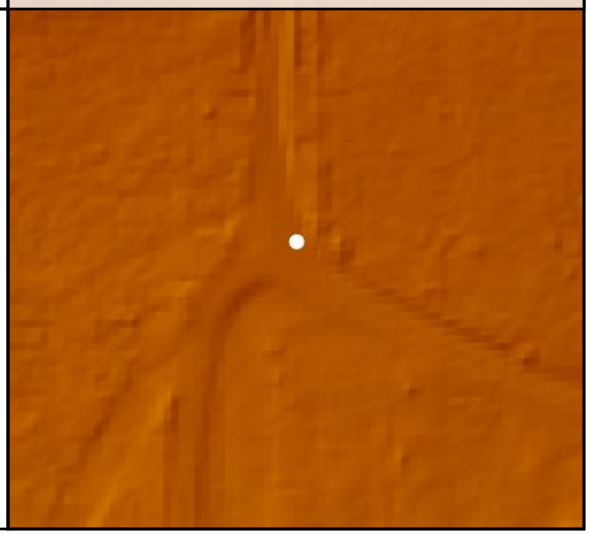


Project Elevation

716.97

103.02

DEM Surface



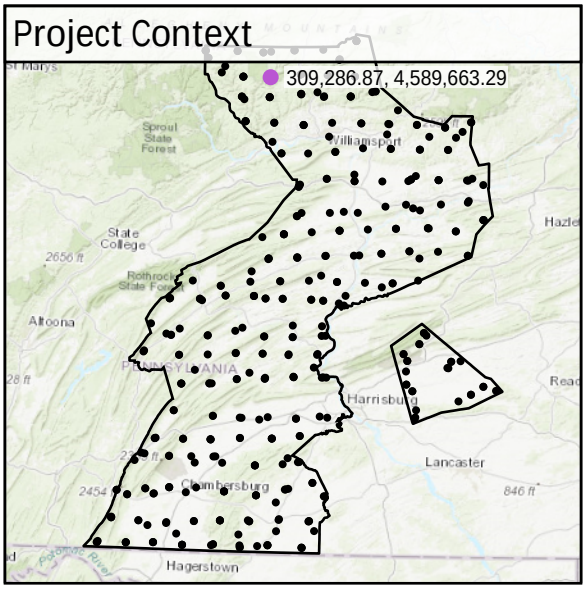
DEM Dz +0.03 m

CAL - CA008

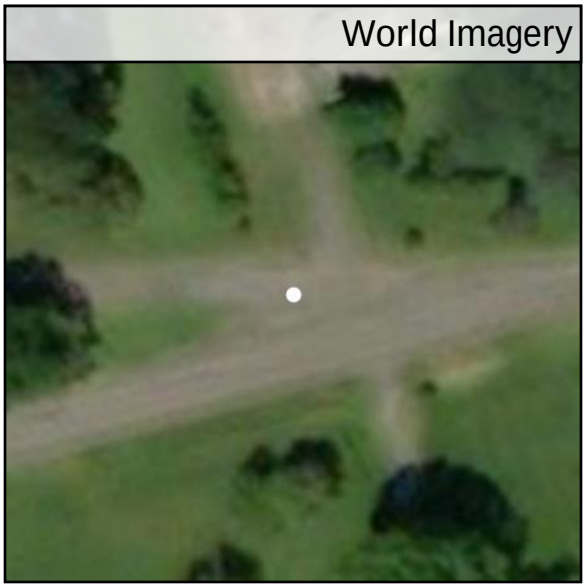
All Points TIN Dz +0.03 m

CA009				
	Known Z	270.15 m	Point Density	5.20 ppsm
	DEM Dz	0.03 m	Ground Density	2.51 ppsm
	All Points TIN Dz	0.03 m	Slope	0.92 °

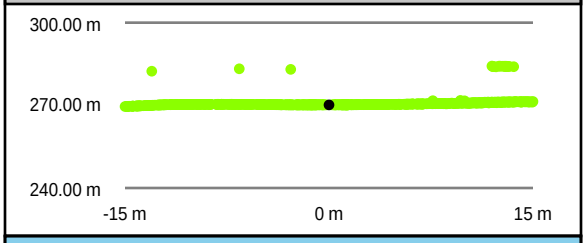
Project Context



World Imagery



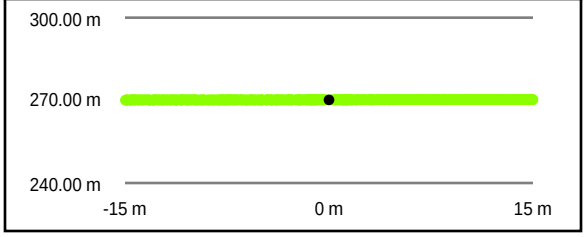
Southeast to Northwest



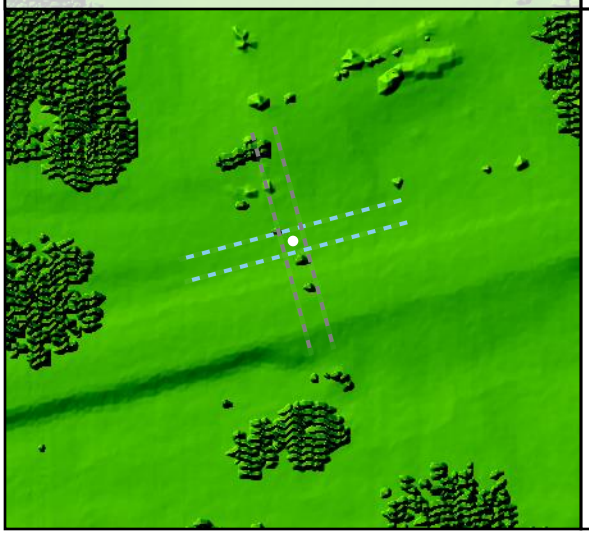
Intensity Raster



Southwest to Northeast



TIN Surface

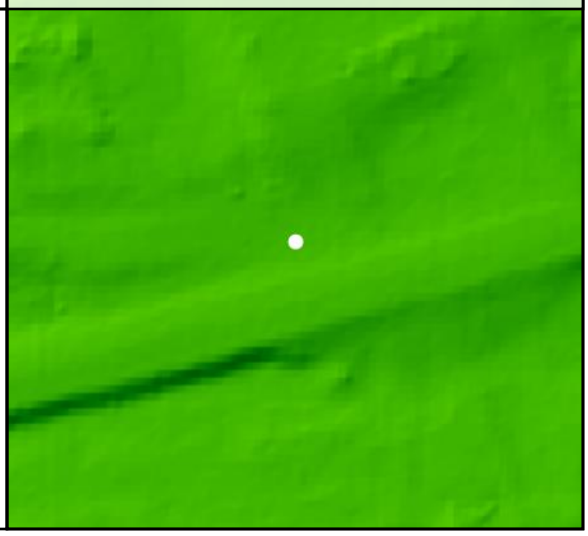


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.03 m

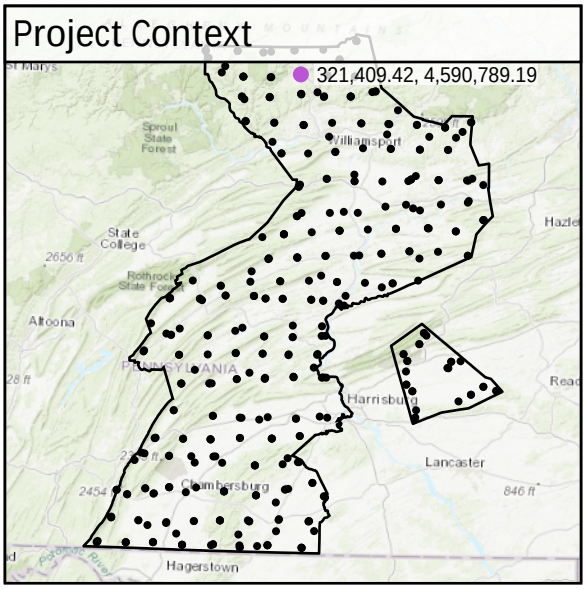
CAL - CA009

All Points TIN Dz +0.03 m

CA010

Known Z	491.60 m	Point Density	5.94 ppsm
DEM Dz	-0.03 m	Ground Density	2.48 ppsm
All Points TIN Dz	-0.03 m	Slope	6.83 °

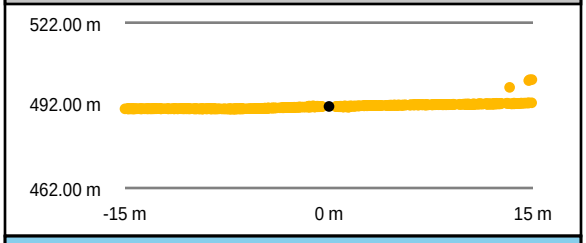
Project Context



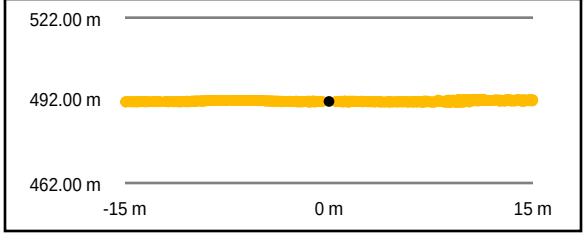
World Imagery



Southeast to Northwest



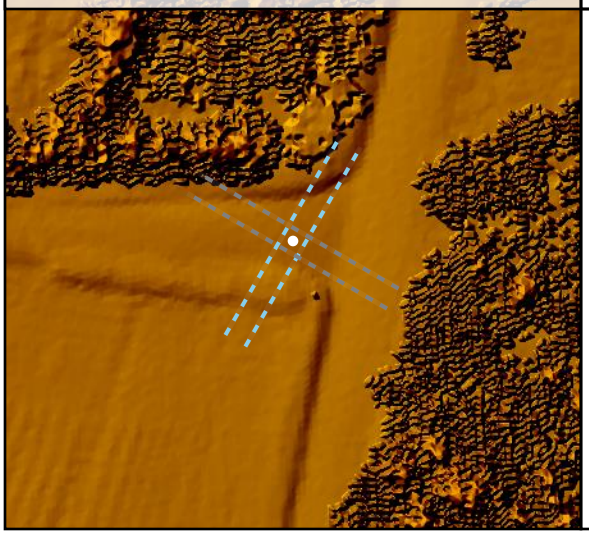
Southwest to Northeast



Intensity Raster



TIN Surface

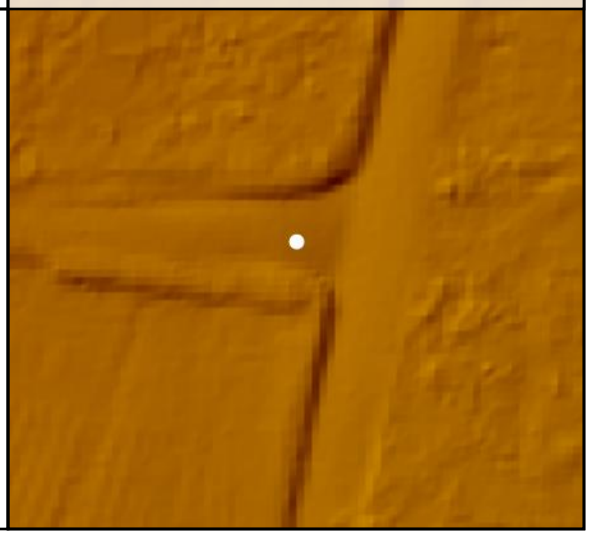


Project Elevation

716.97

103.02

DEM Surface



DEM Dz -0.03 m

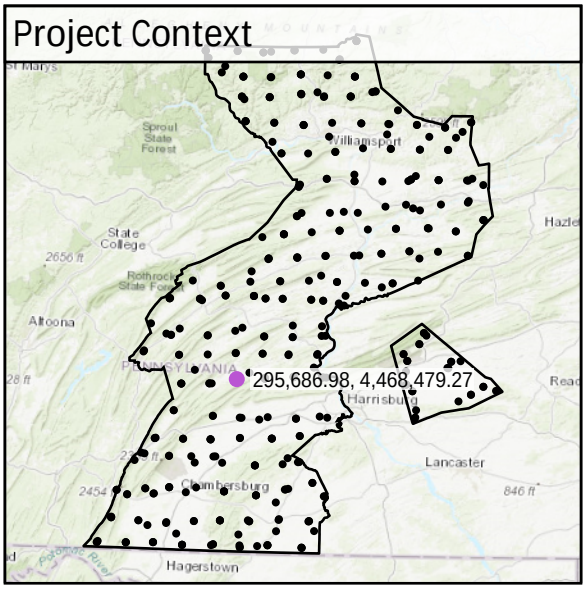
CAL - CA010

All Points TIN Dz -0.03 m

CA0100

Known Z	212.28 m	Point Density	5.31 ppsm
DEM Dz	0.03 m	Ground Density	2.97 ppsm
All Points TIN Dz	0.03 m	Slope	5.38 °

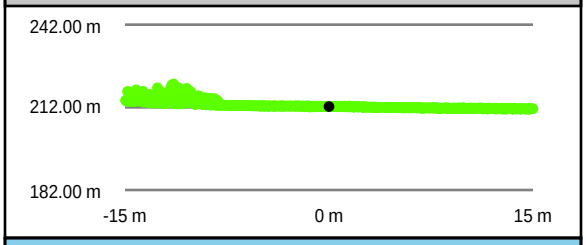
Project Context



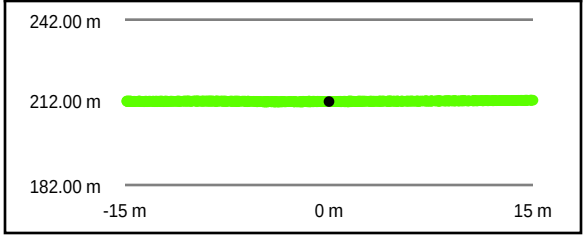
World Imagery



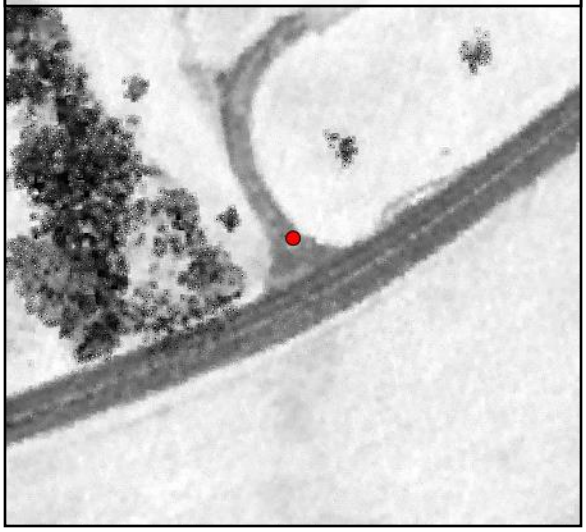
Southwest to Northeast



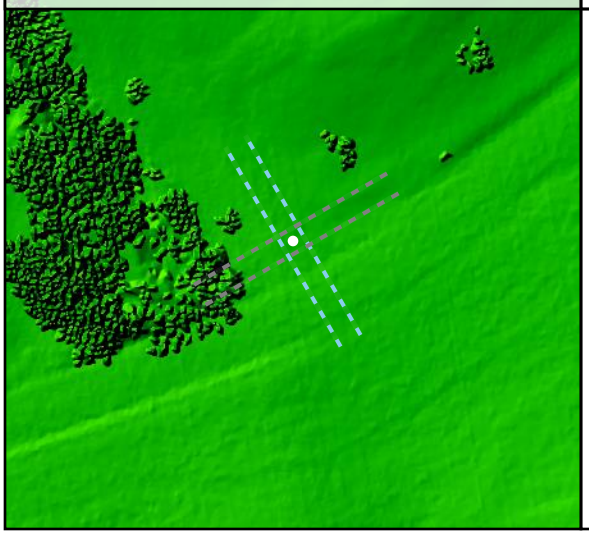
Southeast to Northwest



Intensity Raster



TIN Surface

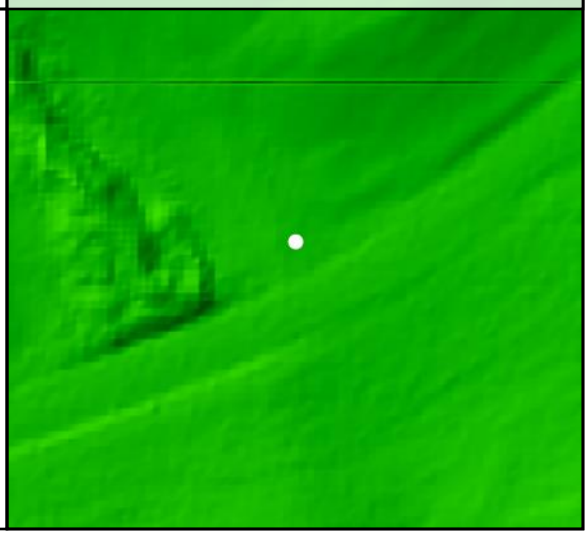


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.03 m

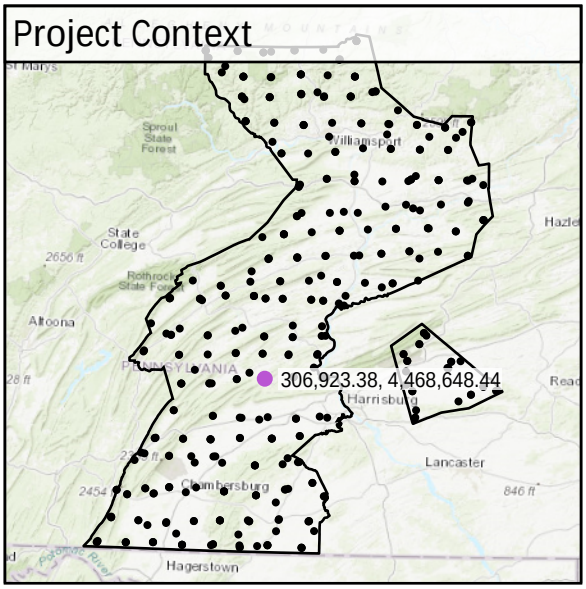
CAL - CA0100

All Points TIN Dz +0.03 m

CA0101

Known Z	186.93 m	Point Density	2.90 ppsm
DEM Dz	0.02 m	Ground Density	2.97 ppsm
All Points TIN Dz	0.02 m	Slope	4.36 °

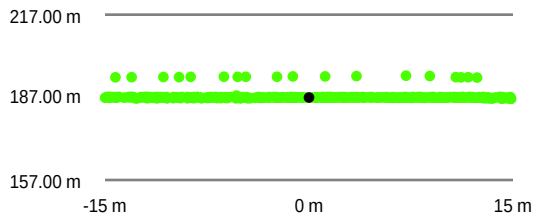
Project Context



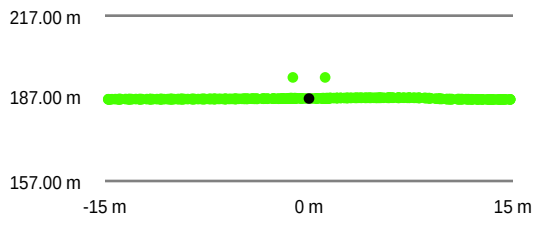
World Imagery



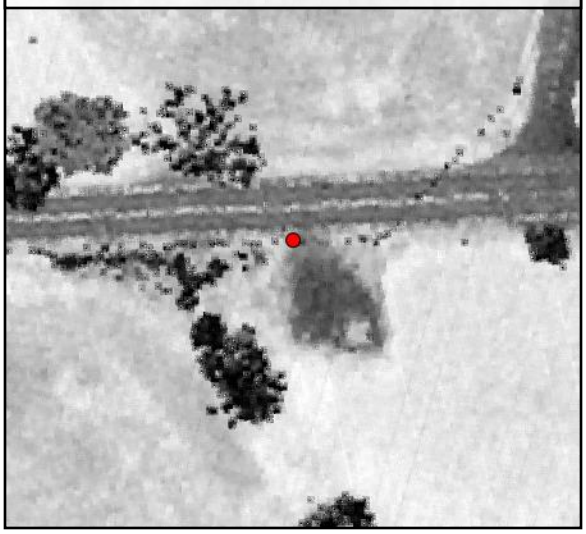
West to East



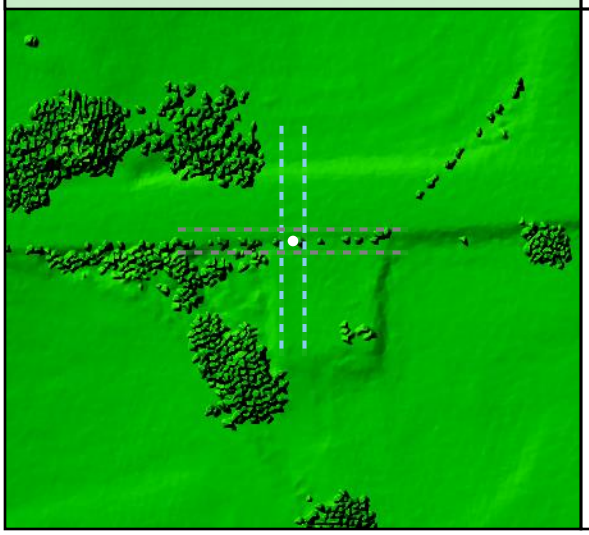
South to North



Intensity Raster



TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.02 m

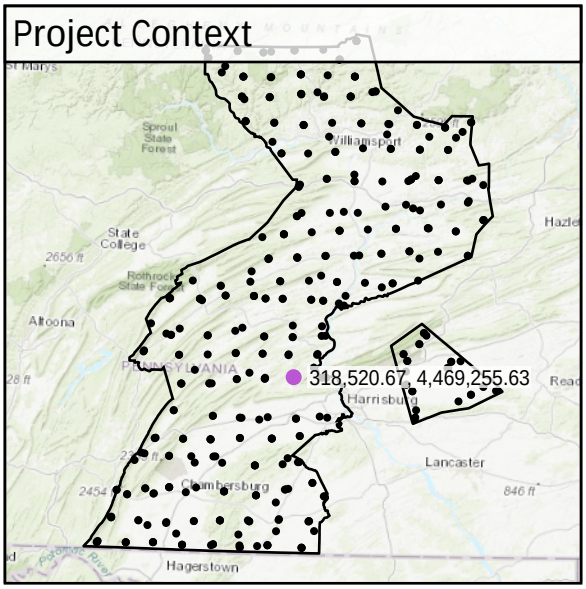
CAL - CA0101

All Points TIN Dz +0.02 m

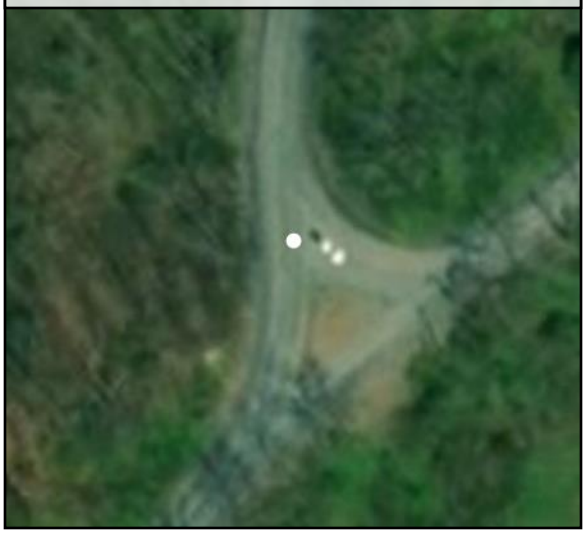
CA0102

Known Z	131.93 m	Point Density	4.95 ppsm
DEM Dz	0.04 m	Ground Density	2.97 ppsm
All Points TIN Dz	0.04 m	Slope	3.61 °

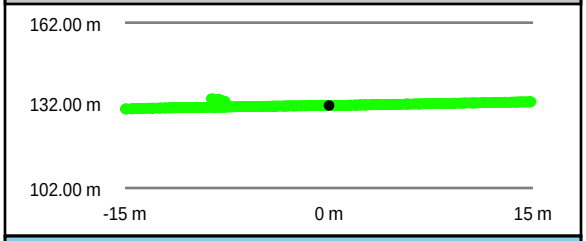
Project Context



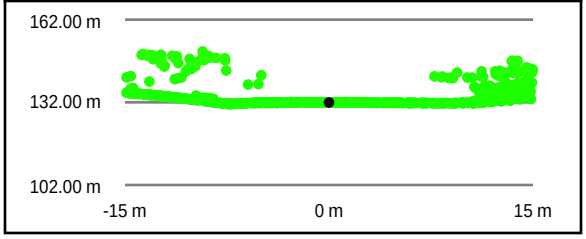
World Imagery



Southeast to Northwest



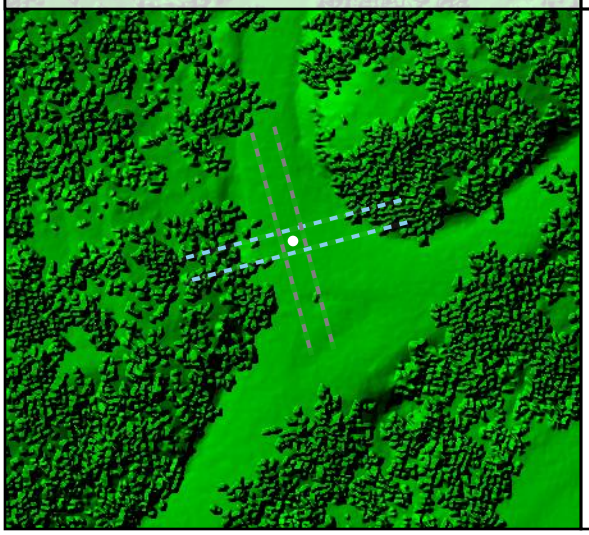
Southwest to Northeast



Intensity Raster



TIN Surface

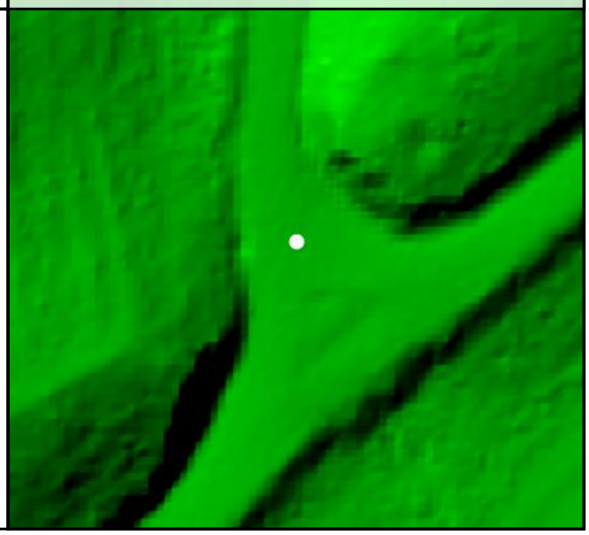


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.04 m

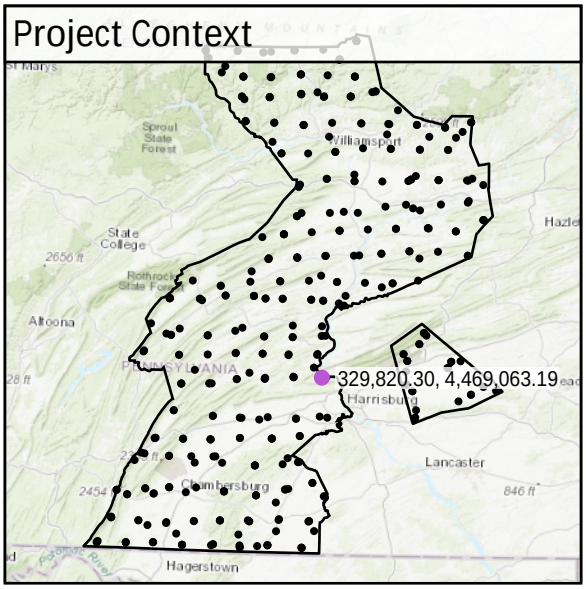
CAL - CA0102

All Points TIN Dz +0.04 m

CA0103

Known Z	112.51 m	Point Density	5.13 ppsm
DEM Dz	0.01 m	Ground Density	2.55 ppsm
All Points TIN Dz	0.01 m	Slope	1.00 °

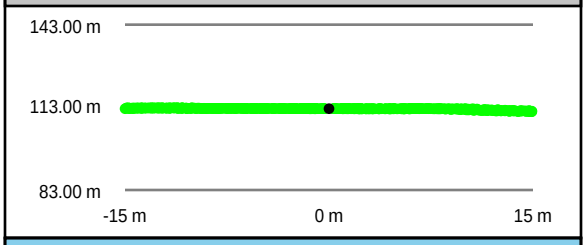
Project Context



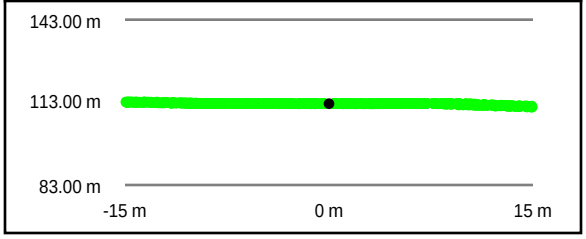
World Imagery



Southwest to Northeast



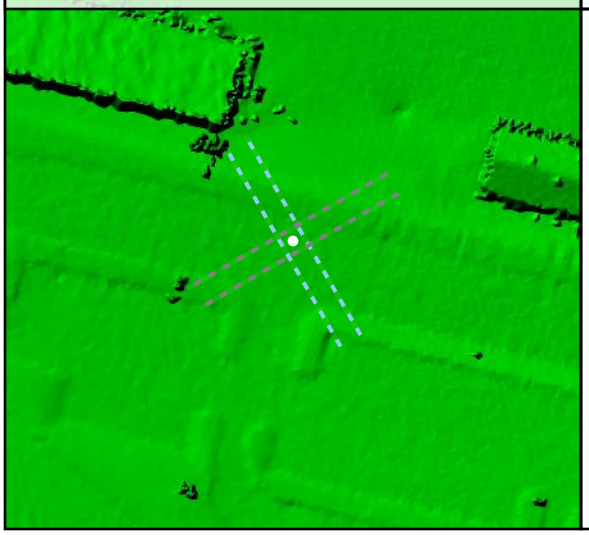
Southeast to Northwest



Intensity Raster



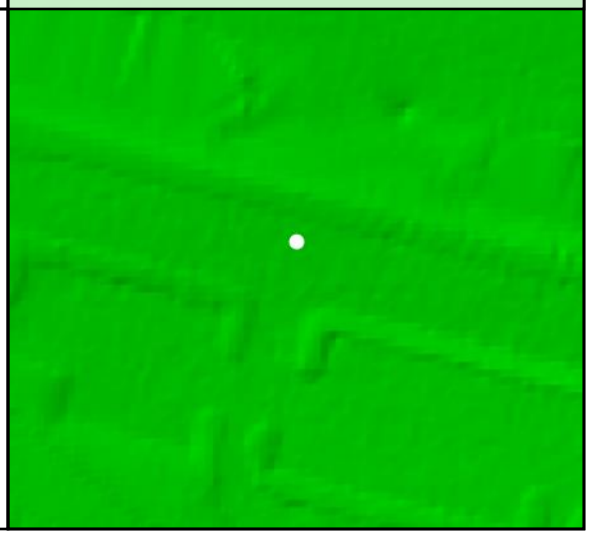
TIN Surface



Project Elevation



DEM Surface



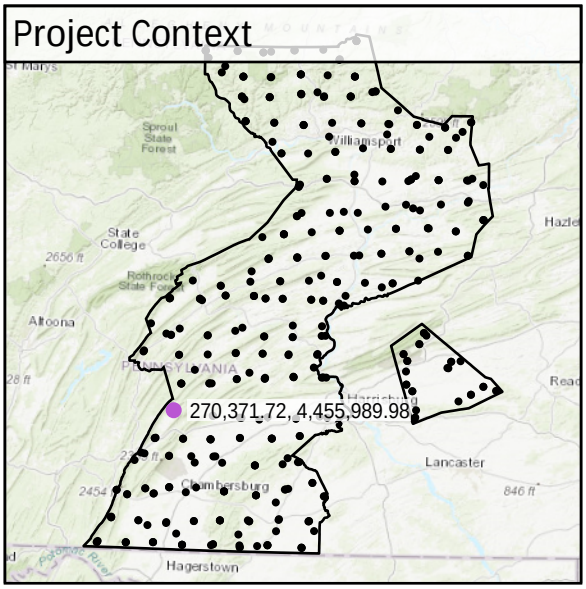
DEM Dz +0.01 m

CAL - CA0103

All Points TIN Dz +0.01 m

CA0104				
	Known Z	286.26 m	Point Density	5.41 ppsm
	DEM Dz	-0.03 m	Ground Density	2.83 ppsm
	All Points TIN Dz	-0.03 m	Slope	1.42 °

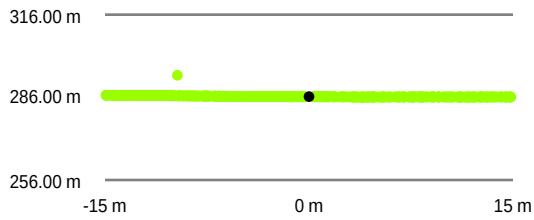
Project Context



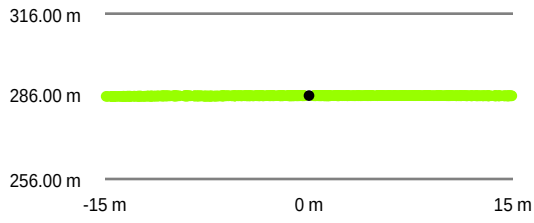
World Imagery



Southeast to Northwest



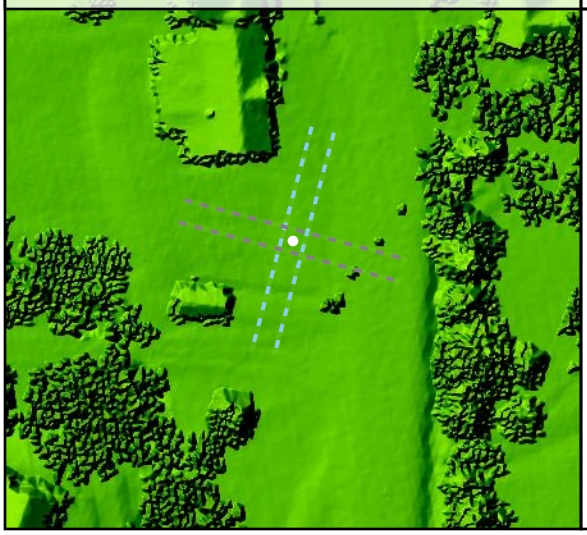
Southwest to Northeast



Intensity Raster



TIN Surface

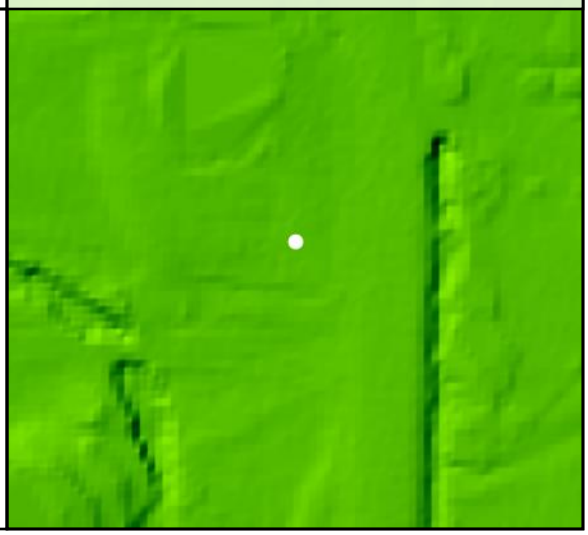


Project Elevation

716.97

103.02

DEM Surface



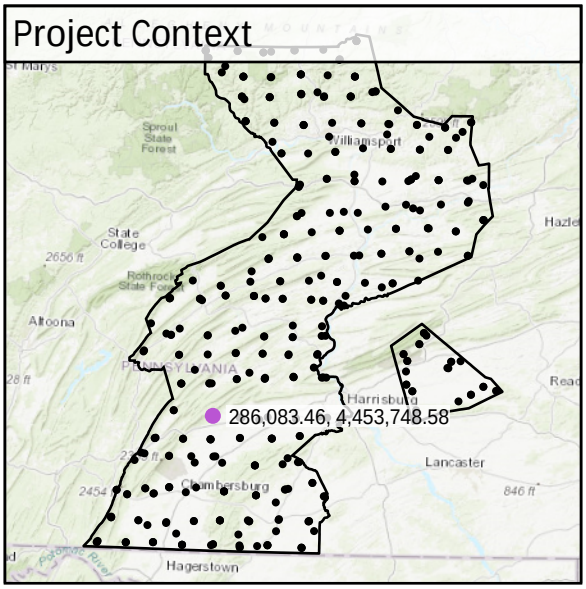
DEM Dz -0.03 m

CAL - CA0104

All Points TIN Dz -0.03 m

CA0105				
	Known Z	221.43 m	Point Density	5.16 ppsm
	DEM Dz	-0.01 m	Ground Density	2.86 ppsm
	All Points TIN Dz	-0.01 m	Slope	1.74 °

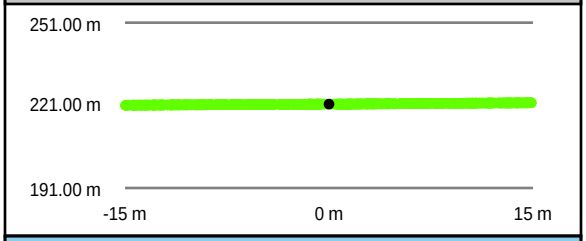
Project Context



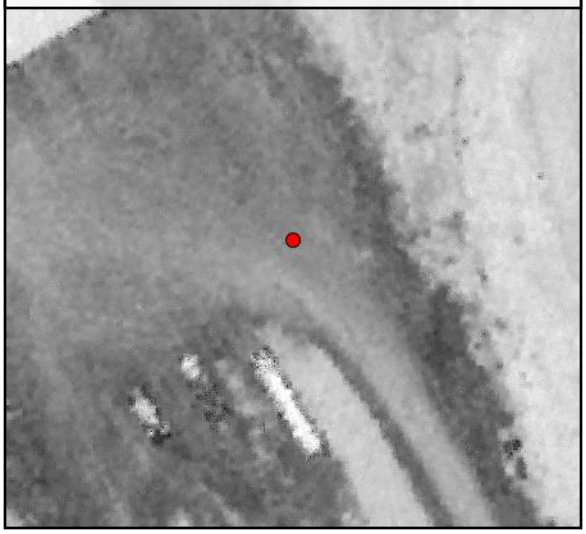
World Imagery



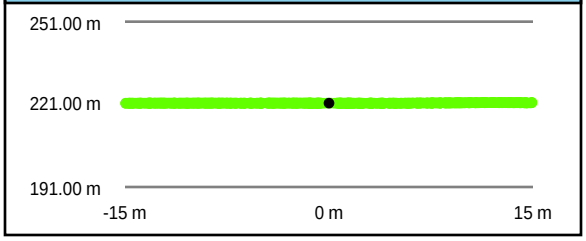
Southeast to Northwest



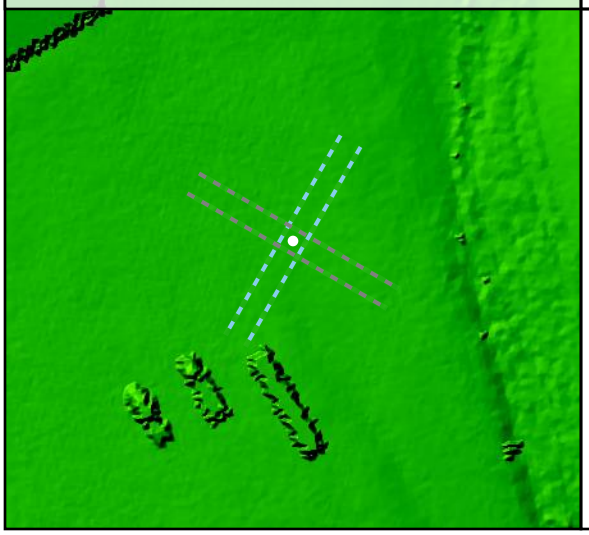
Intensity Raster



Southwest to Northeast



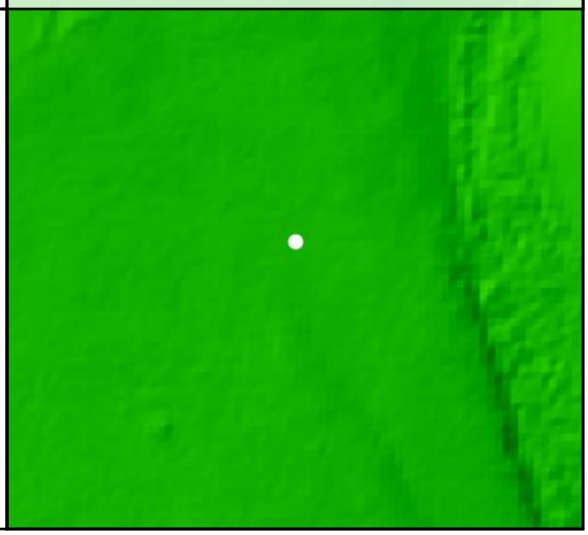
TIN Surface



Project Elevation



DEM Surface



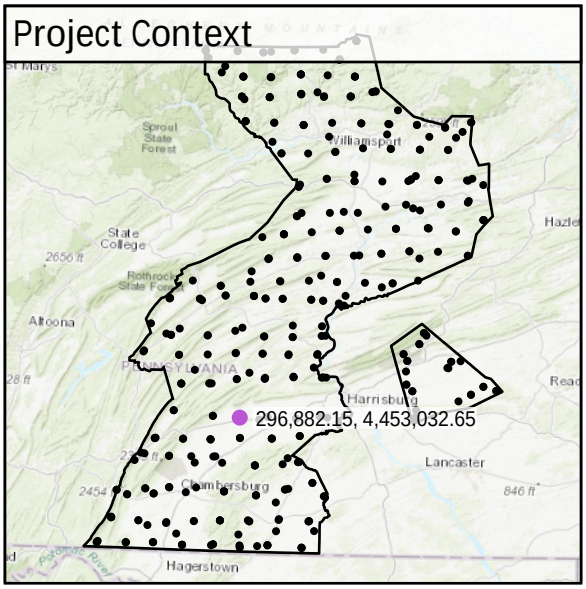
DEM Dz -0.01 m

CAL - CA0105

All Points TIN Dz -0.01 m

CA0106				
	Known Z	171.79 m	Point Density	5.13 ppsm
	DEM Dz	0.04 m	Ground Density	2.90 ppsm
	All Points TIN Dz	0.03 m	Slope	5.17 °

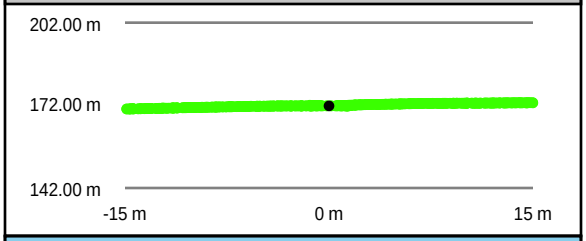
Project Context



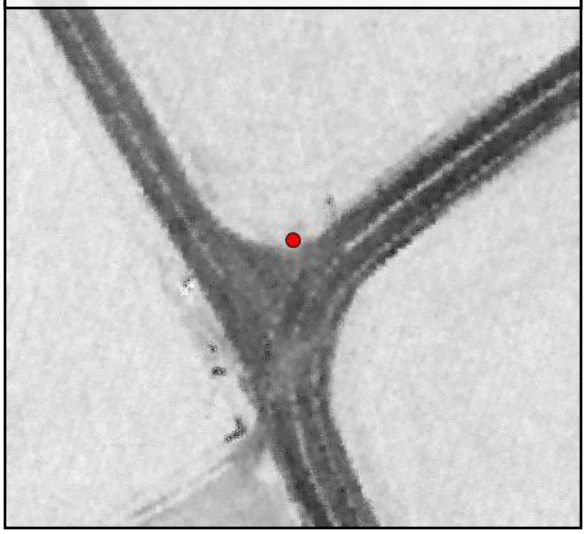
World Imagery



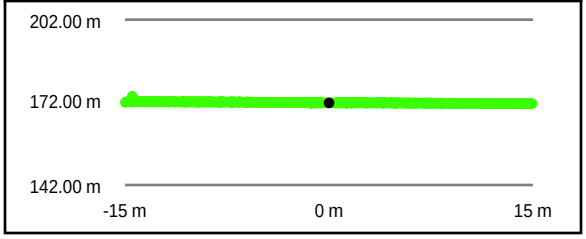
Southeast to Northwest



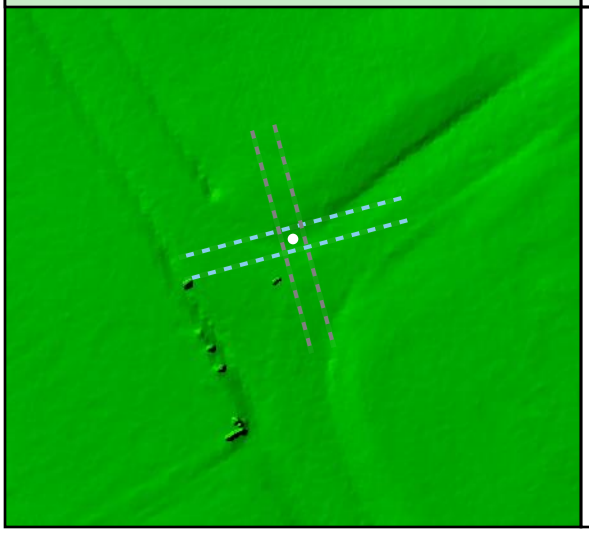
Intensity Raster



Southwest to Northeast



TIN Surface

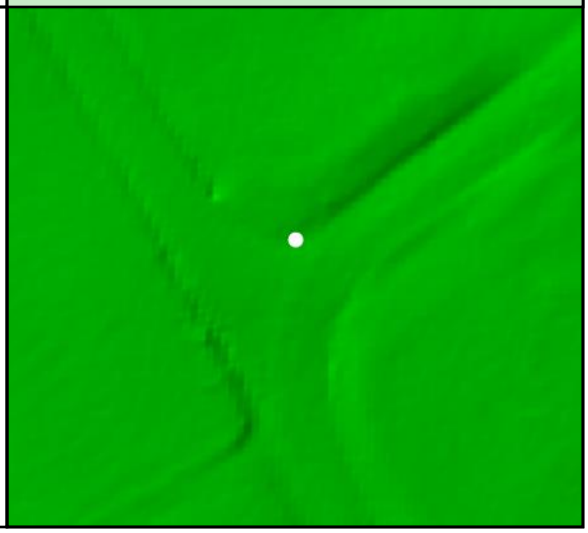


Project Elevation

716.97

103.02

DEM Surface



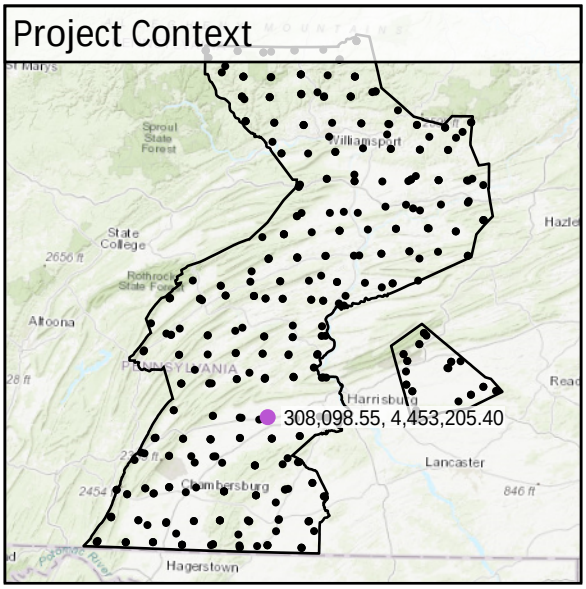
DEM Dz +0.04 m

CAL - CA0106

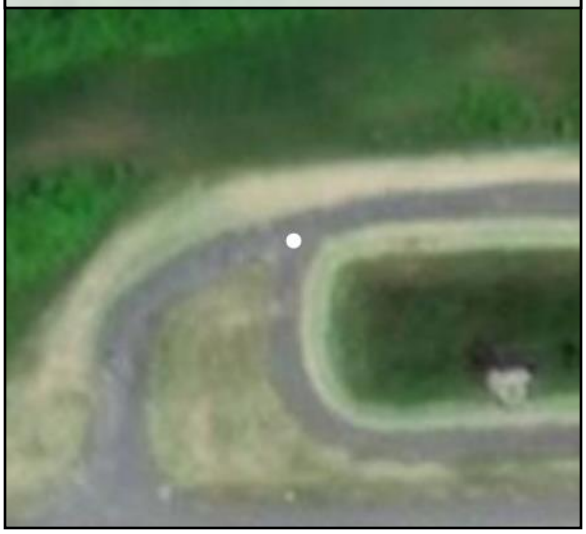
All Points TIN Dz +0.03 m

CA0107				
	Known Z	138.97 m	Point Density	4.95 ppsm
	DEM Dz	-0.02 m	Ground Density	2.69 ppsm
	All Points TIN Dz	-0.02 m	Slope	1.63 °

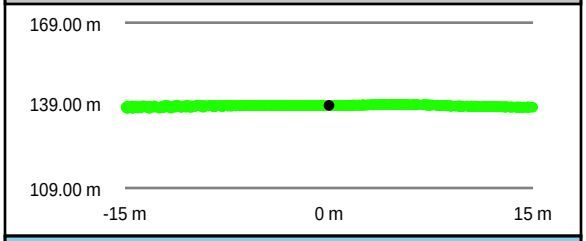
Project Context



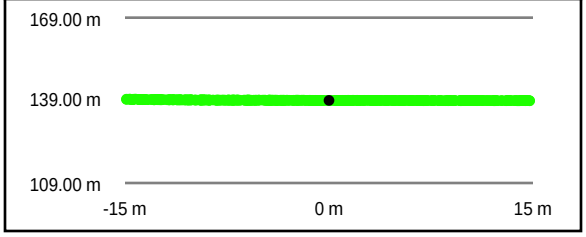
World Imagery



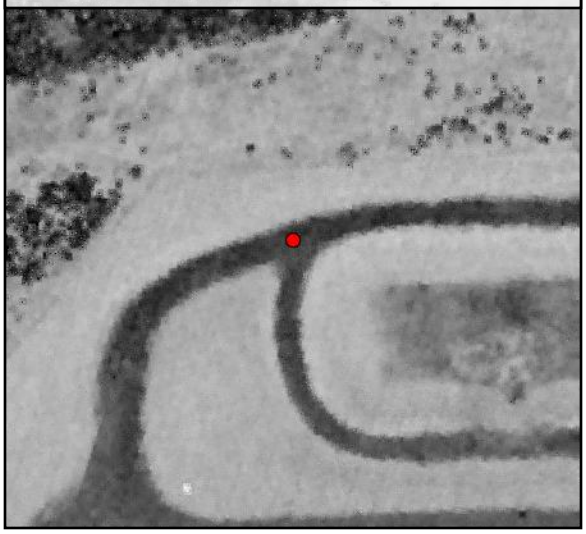
Southeast to Northwest



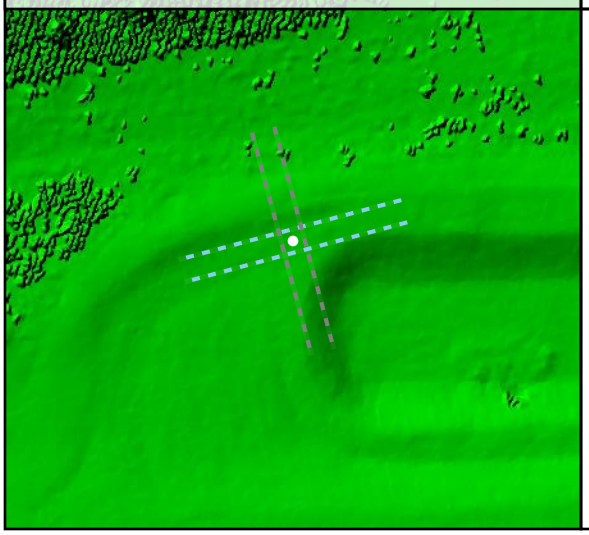
Southwest to Northeast



Intensity Raster



TIN Surface

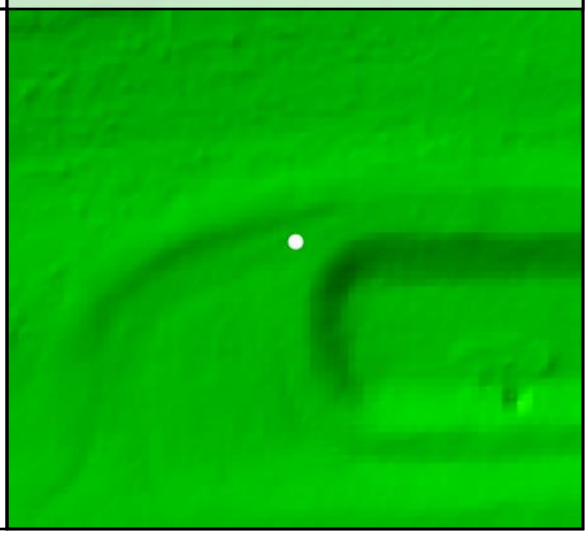


Project Elevation

716.97

103.02

DEM Surface



DEM Dz -0.02 m

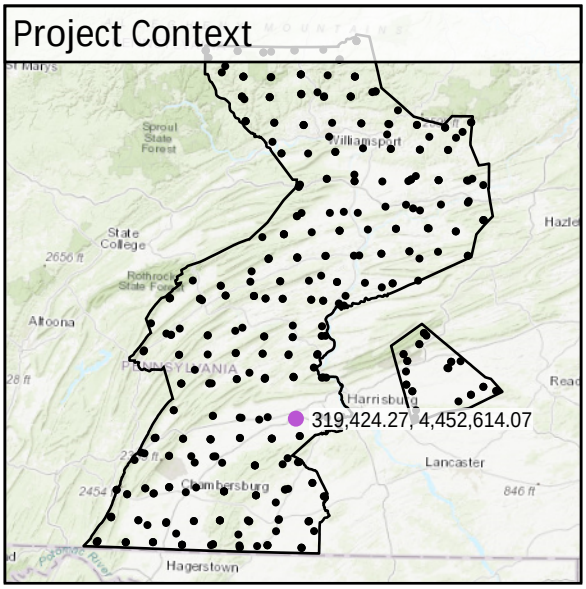
CAL - CA0107

All Points TIN Dz -0.02 m

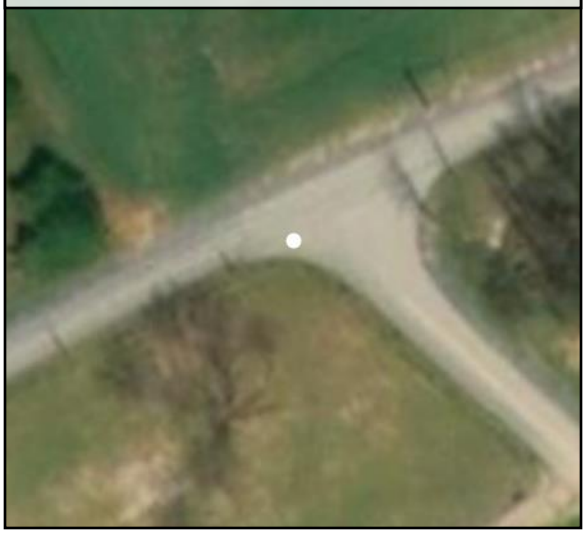
CA0108

Known Z	143.72 m	Point Density	4.53 ppsm
DEM Dz	0.01 m	Ground Density	2.90 ppsm
All Points TIN Dz	0.00 m	Slope	2.49 °

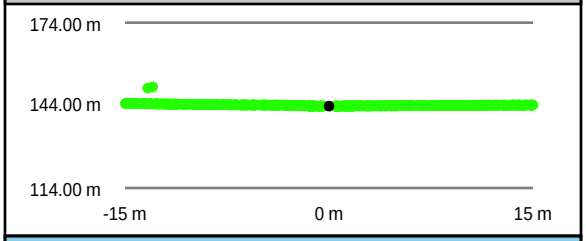
Project Context



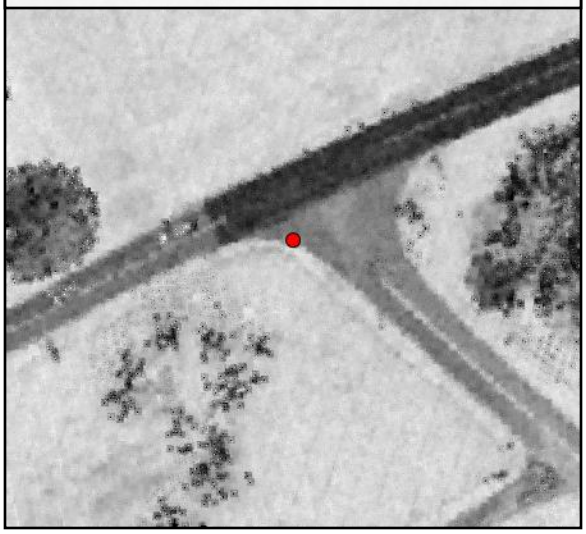
World Imagery



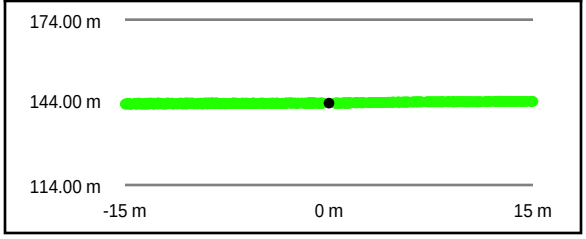
Southwest to Northeast



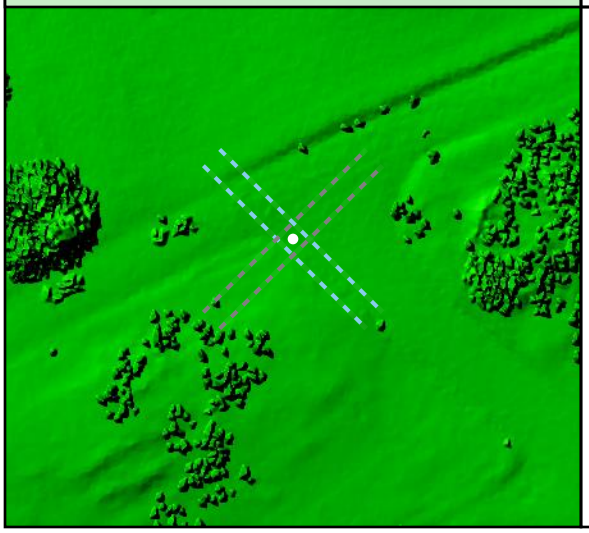
Intensity Raster



Southeast to Northwest



TIN Surface

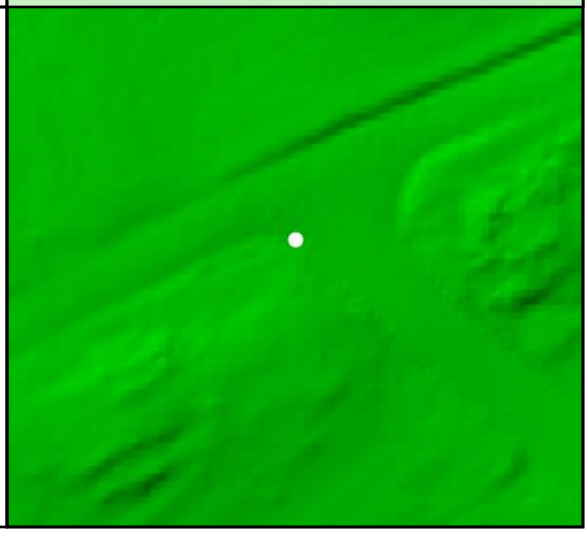


Project Elevation

716.97

103.02

DEM Surface



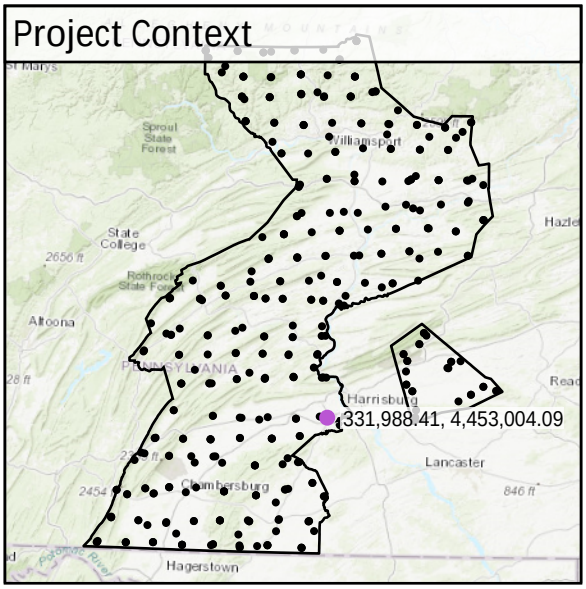
DEM Dz +0.01 m

CAL - CA0108

All Points TIN Dz 0.00 m

CA0109				
	Known Z	133.58 m	Point Density	5.20 ppsm
	DEM Dz	-0.01 m	Ground Density	2.79 ppsm
	All Points TIN Dz	0.00 m	Slope	2.47 °

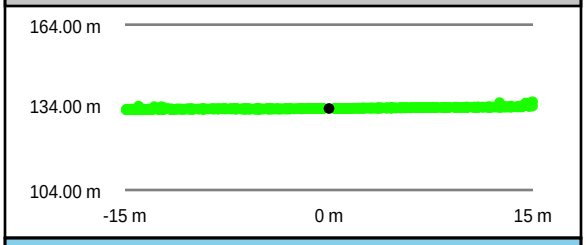
Project Context



World Imagery



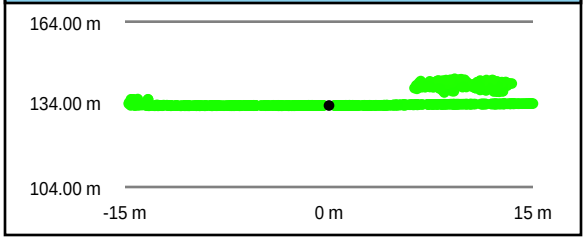
Southwest to Northeast



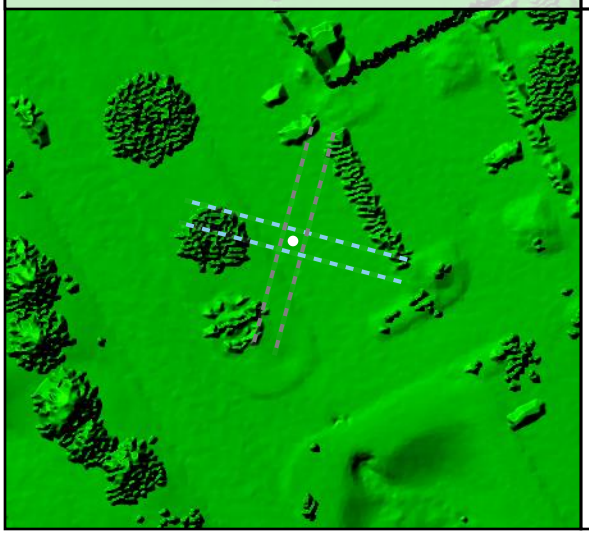
Intensity Raster



Southeast to Northwest



TIN Surface

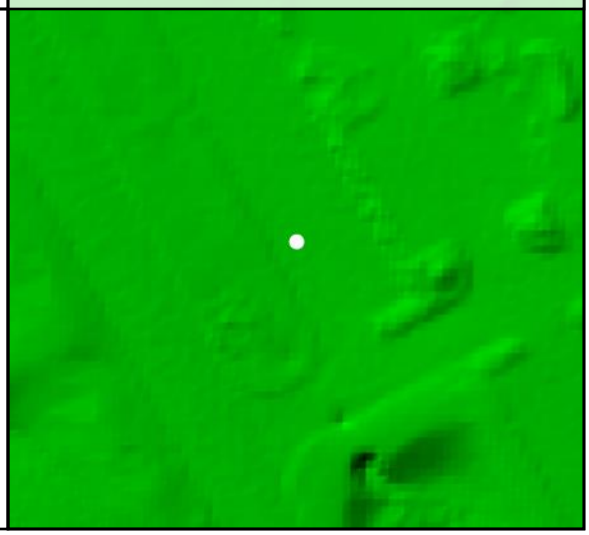


Project Elevation

716.97

103.02

DEM Surface



DEM Dz -0.01 m

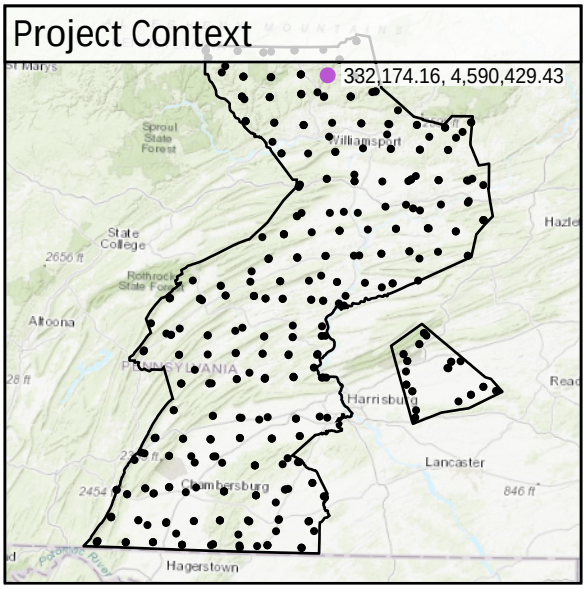
CAL - CA0109

All Points TIN Dz 0.00 m

CA011

Known Z	604.84 m	Point Density	5.84 ppsm
DEM Dz	-0.06 m	Ground Density	2.76 ppsm
All Points TIN Dz	-0.06 m	Slope	0.55 °

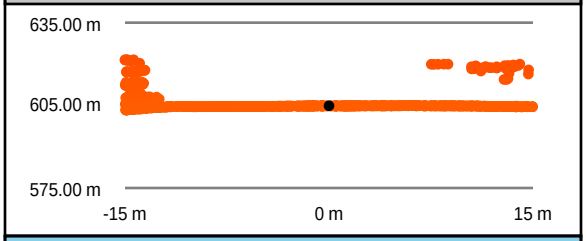
Project Context



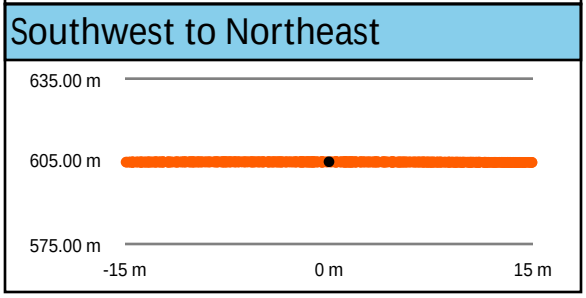
World Imagery



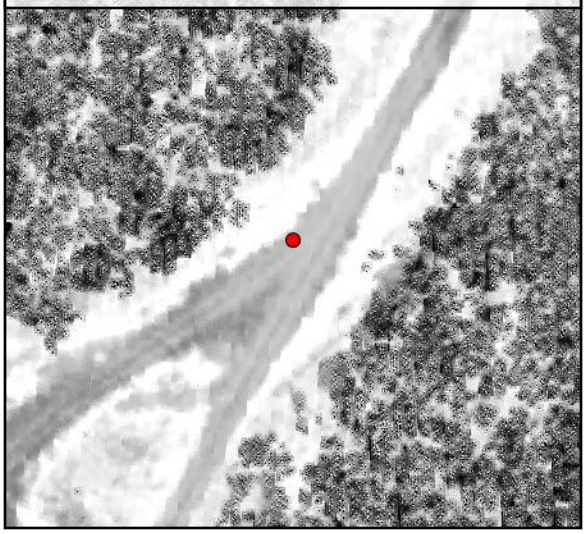
Southeast to Northwest



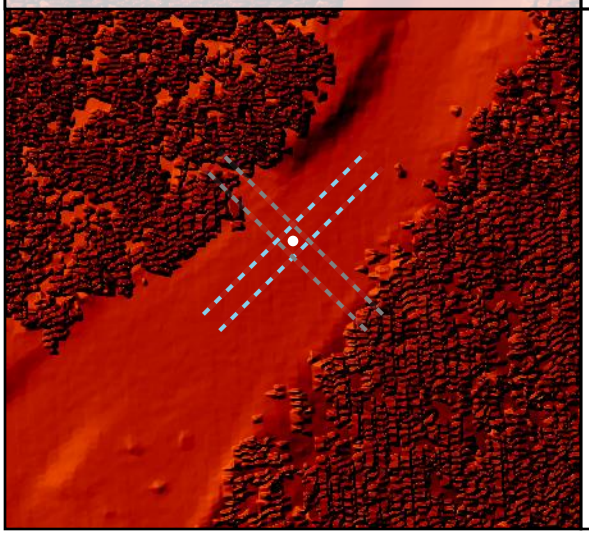
Southwest to Northeast



Intensity Raster



TIN Surface

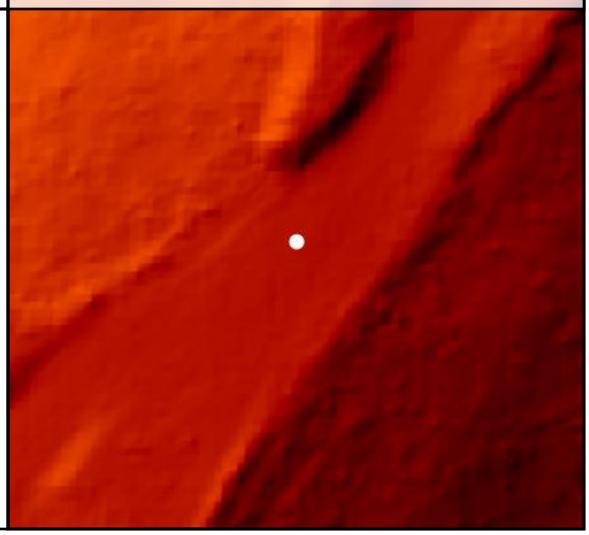


Project Elevation

716.97

103.02

DEM Surface



DEM Dz -0.06 m

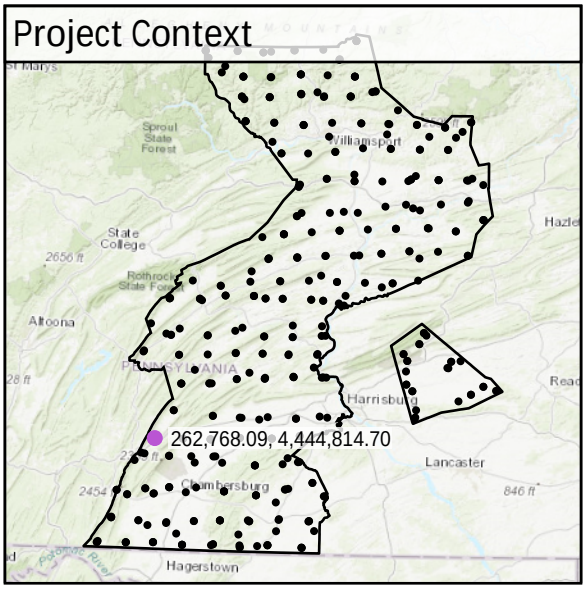
CAL - CA011

All Points TIN Dz -0.06 m

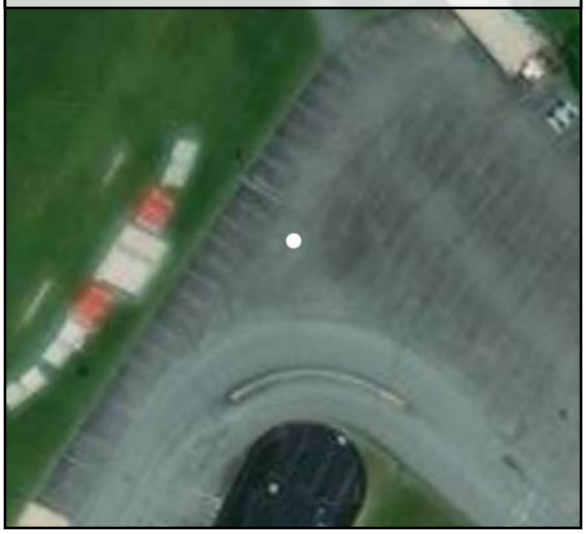
CA0110

Known Z	259.32 m	Point Density	4.92 ppsm
DEM Dz	-0.10 m	Ground Density	2.72 ppsm
All Points TIN Dz	-0.10 m	Slope	2.54 °

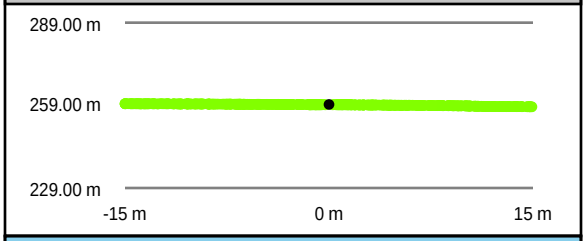
Project Context



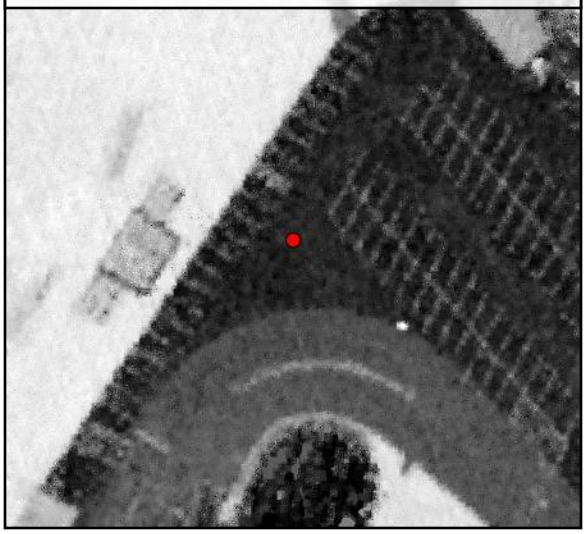
World Imagery



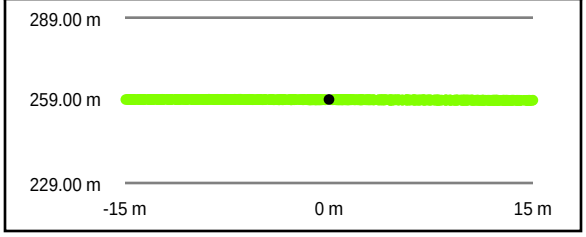
Southeast to Northwest



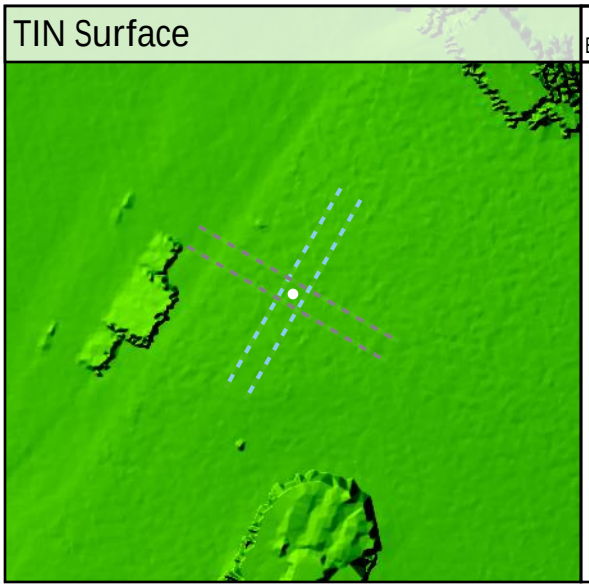
Intensity Raster



Southwest to Northeast



TIN Surface

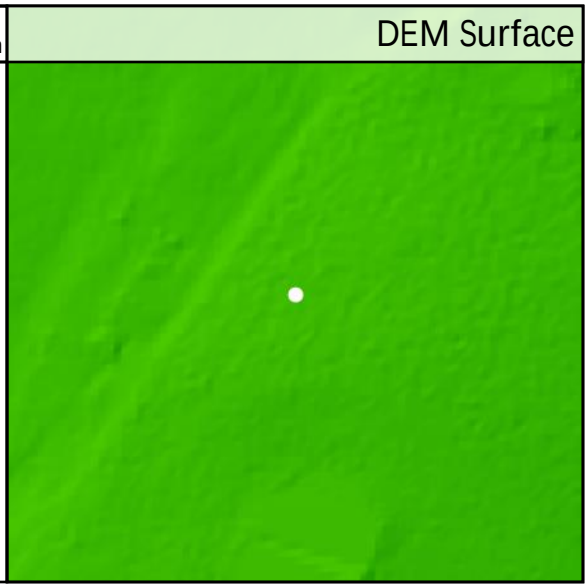


Project Elevation

716.97

103.02

DEM Surface



DEM Dz -0.10 m

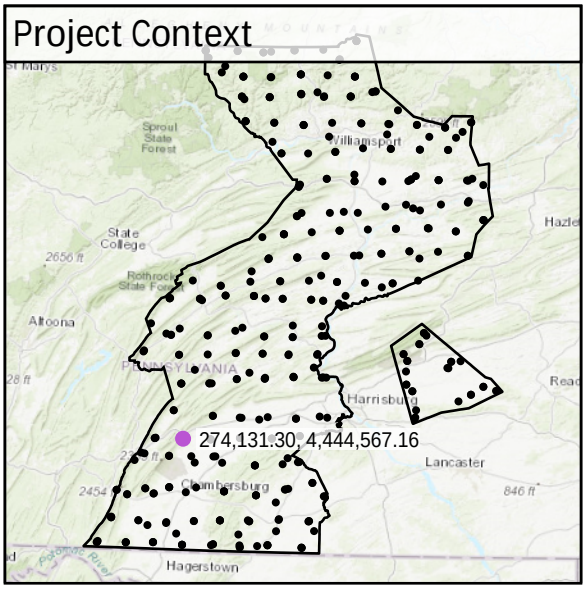
CAL - CA0110

All Points TIN Dz -0.10 m

CA0111

Known Z	224.05 m	Point Density	5.34 ppsm
DEM Dz	-0.05 m	Ground Density	2.90 ppsm
All Points TIN Dz	-0.05 m	Slope	1.18 °

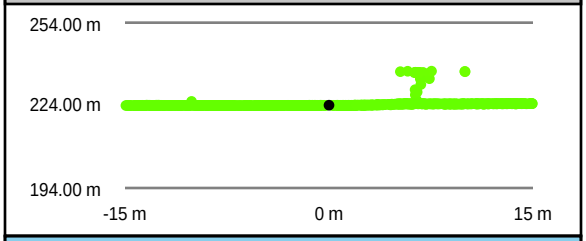
Project Context



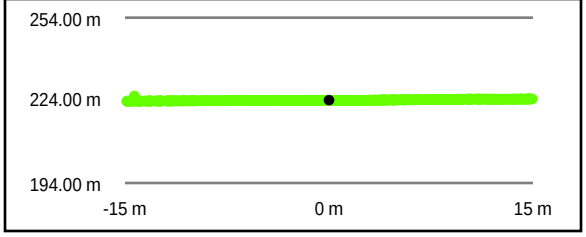
World Imagery



Southwest to Northeast



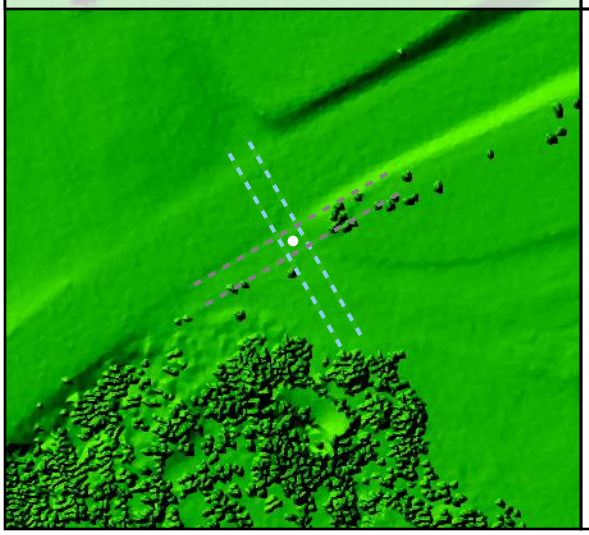
Southeast to Northwest



Intensity Raster



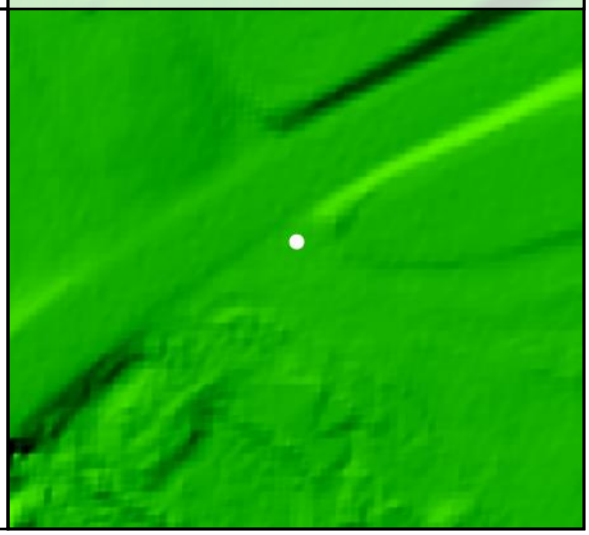
TIN Surface



Project Elevation



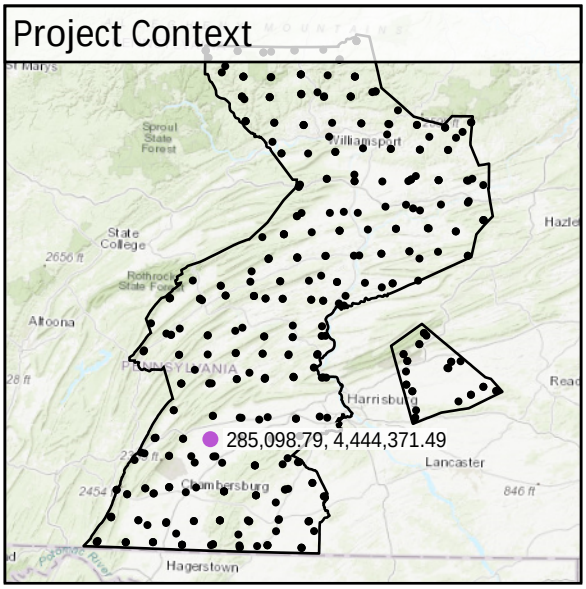
DEM Surface



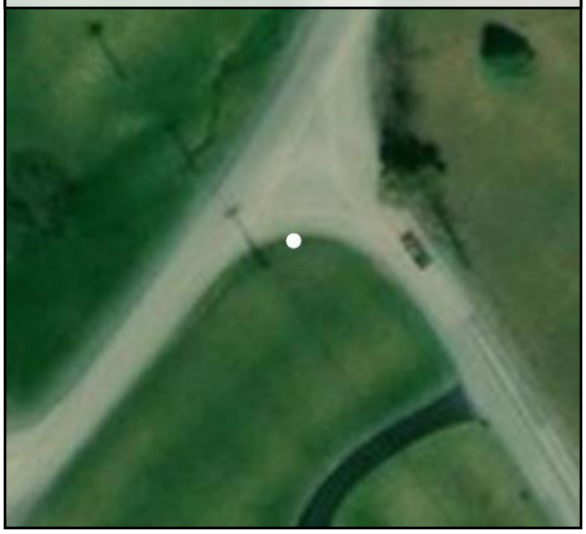
All Points TIN Dz -0.05 m | CAL - CA0111 | DEM Dz -0.05 m

CA0112				
	Known Z	181.96 m	Point Density	5.23 ppsm
	DEM Dz	-0.01 m	Ground Density	3.08 ppsm
	All Points TIN Dz	-0.01 m	Slope	1.29 °

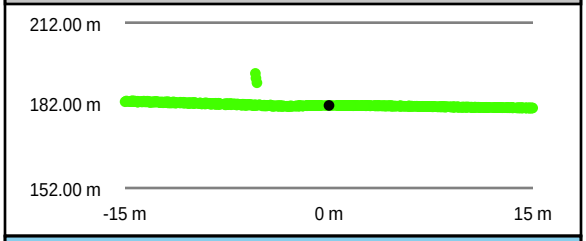
Project Context



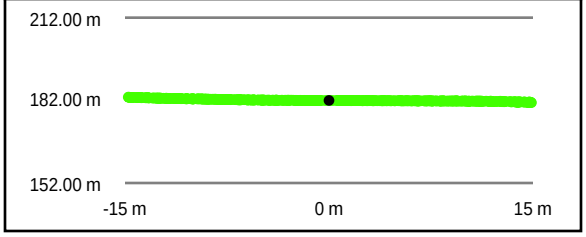
World Imagery



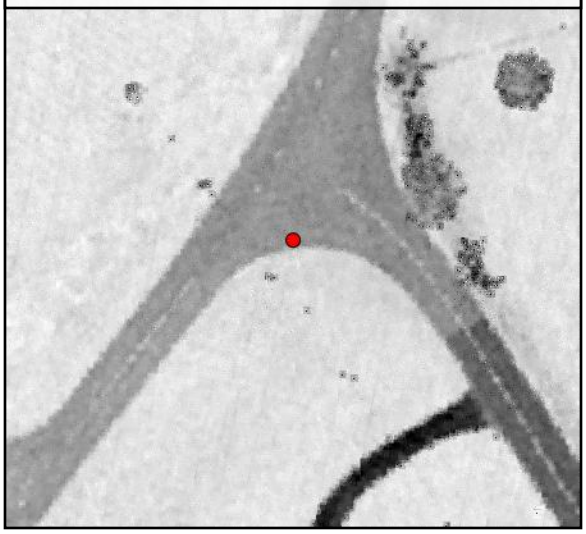
Southwest to Northeast



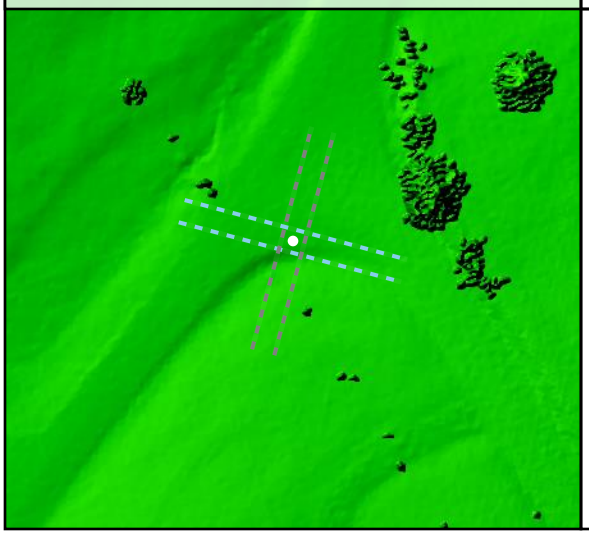
Southeast to Northwest



Intensity Raster



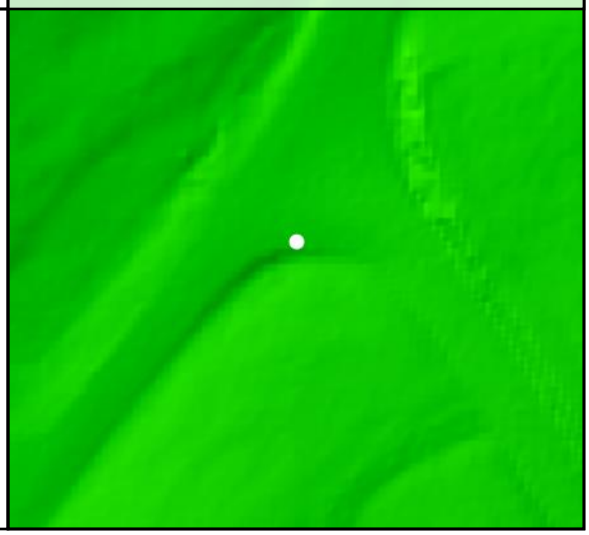
TIN Surface



Project Elevation



DEM Surface



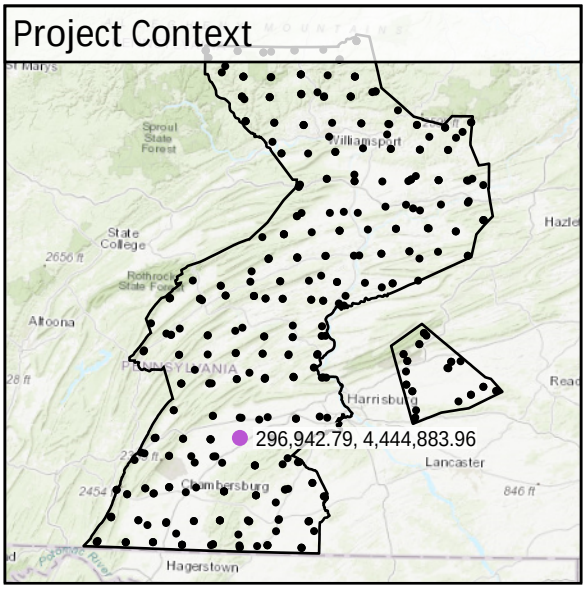
DEM Dz -0.01 m

CAL - CA0112

All Points TIN Dz -0.01 m

CA0113				
	Known Z	196.20 m	Point Density	5.09 ppsm
	DEM Dz	0.00 m	Ground Density	2.94 ppsm
	All Points TIN Dz	-0.02 m	Slope	2.09 °

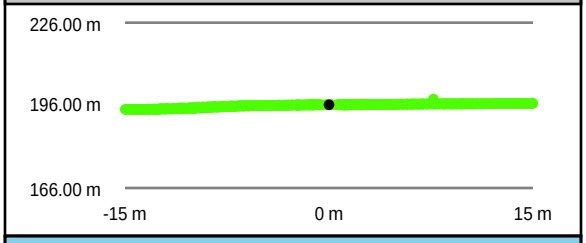
Project Context



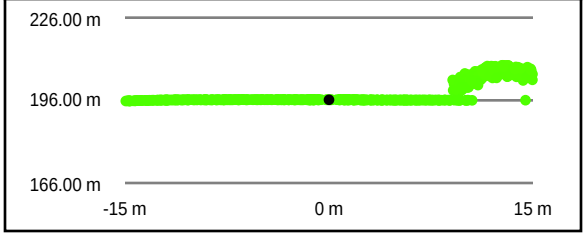
World Imagery



Southeast to Northwest



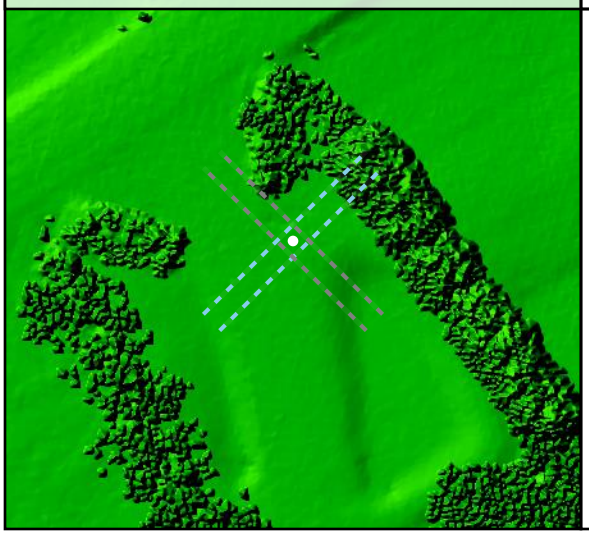
Southwest to Northeast



Intensity Raster



TIN Surface



Project Elevation



DEM Surface



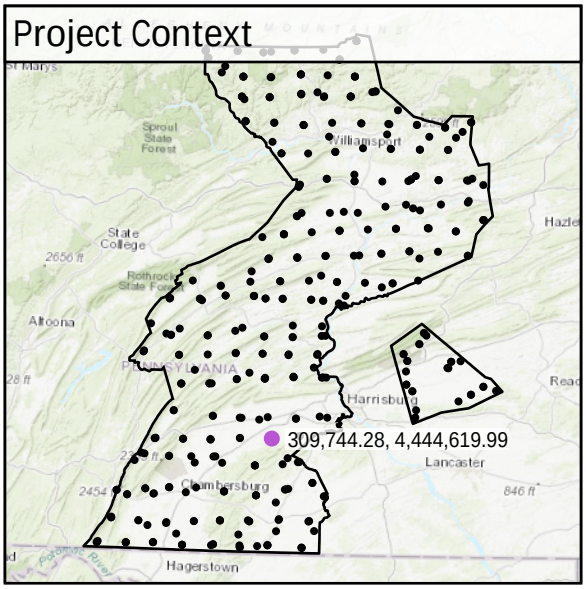
DEM Dz +0.00 m

CAL - CA0113

All Points TIN Dz -0.02 m

CA0114				
	Known Z	173.94 m	Point Density	5.27 ppsm
	DEM Dz	-0.03 m	Ground Density	2.65 ppsm
	All Points TIN Dz	-0.04 m	Slope	1.94 °

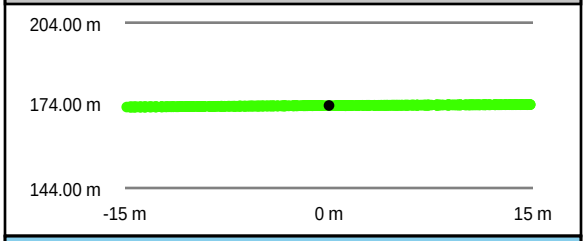
Project Context



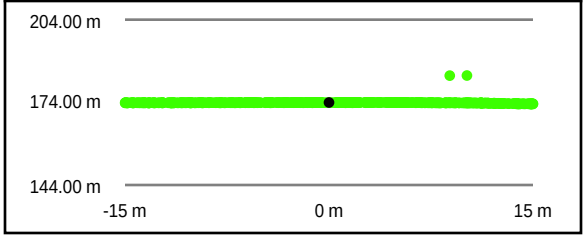
World Imagery



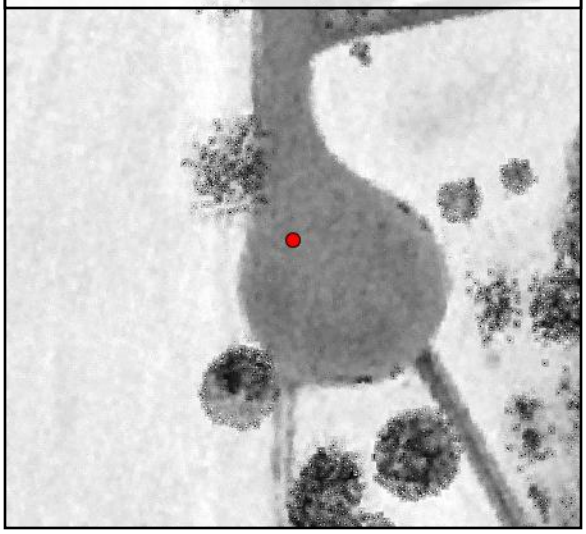
Southwest to Northeast



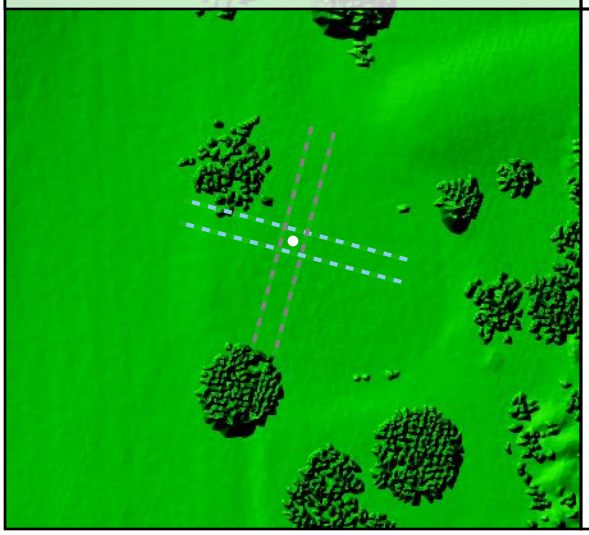
Southeast to Northwest



Intensity Raster



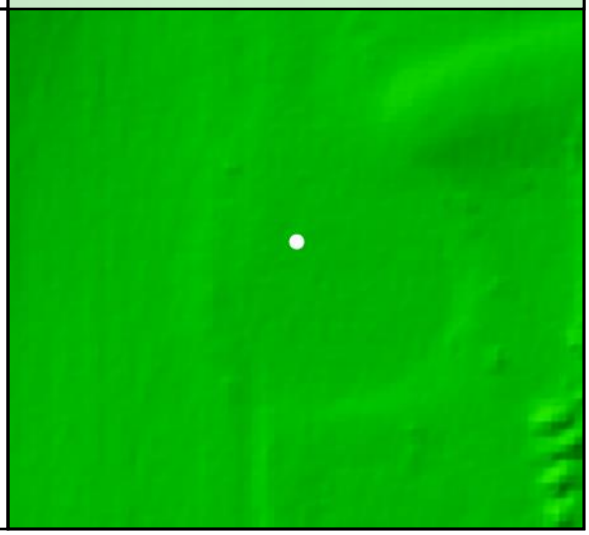
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.03 m

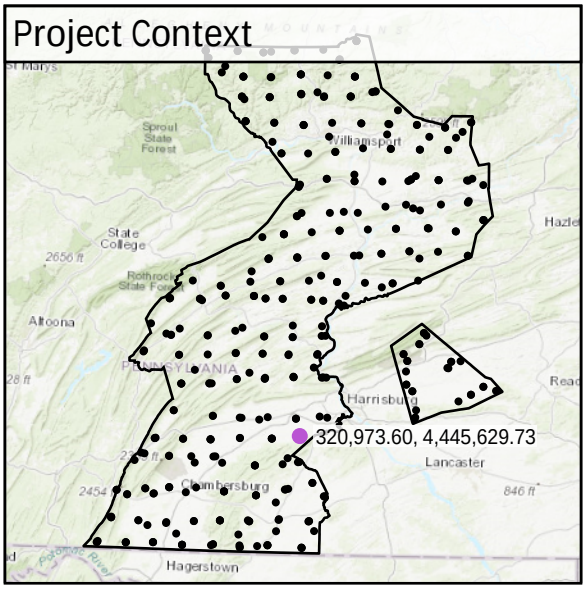
CAL - CA0114

All Points TIN Dz -0.04 m

CA0115

Known Z	155.25 m	Point Density	2.76 ppsm
DEM Dz	0.01 m	Ground Density	2.76 ppsm
All Points TIN Dz	0.01 m	Slope	4.32 °

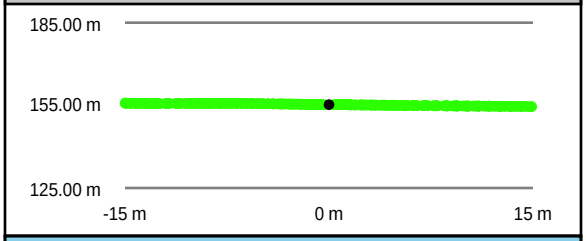
Project Context



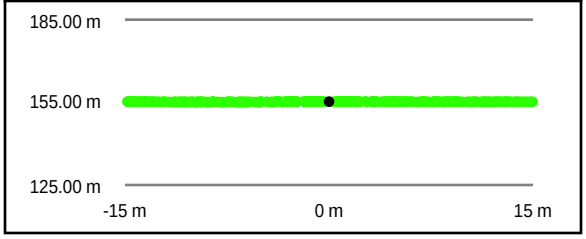
World Imagery



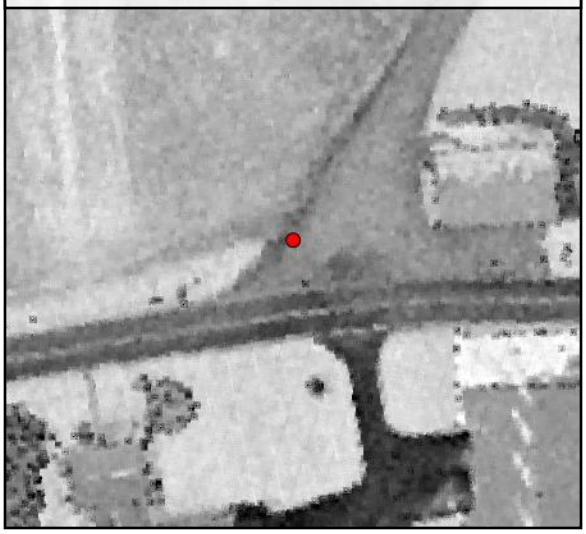
South to North



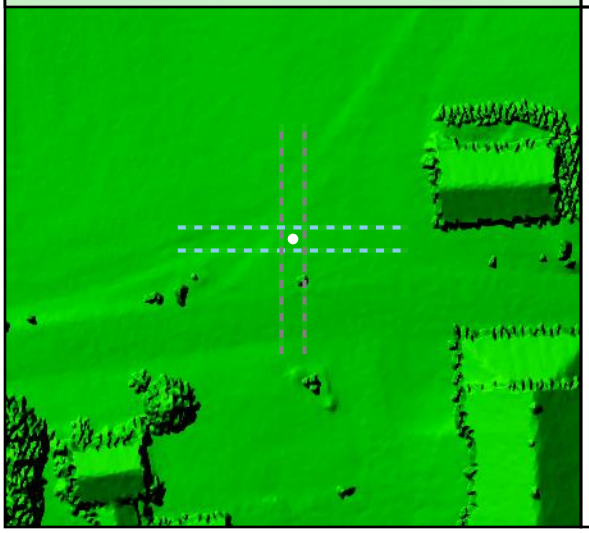
West to East



Intensity Raster



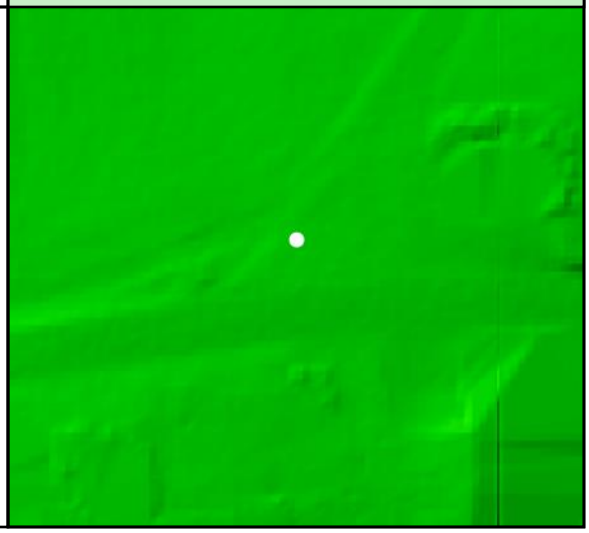
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.01 m

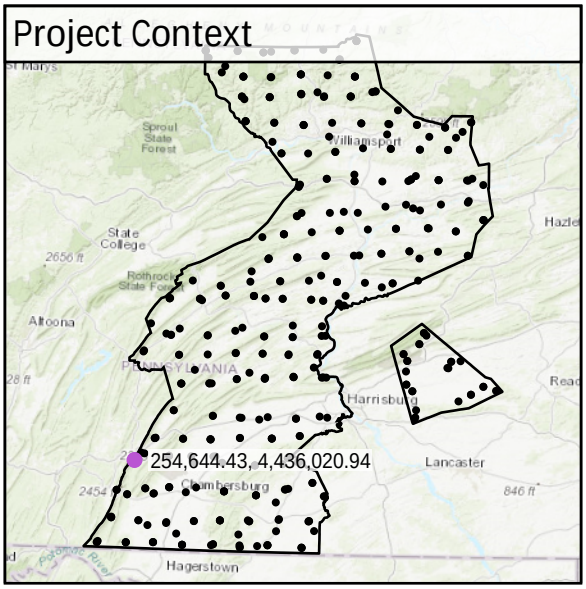
CAL - CA0115

All Points TIN Dz +0.01 m

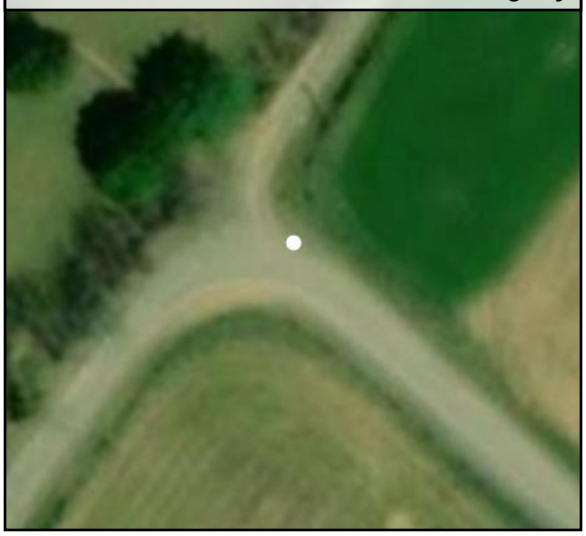
CA0116

Known Z	268.33 m	Point Density	5.13 ppsm
DEM Dz	-0.04 m	Ground Density	2.51 ppsm
All Points TIN Dz	-0.04 m	Slope	2.52 °

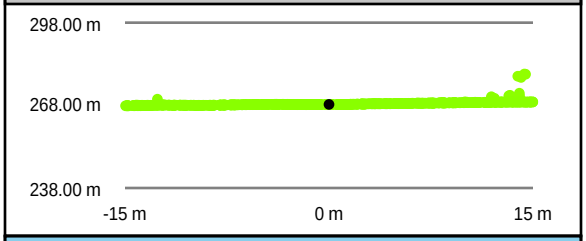
Project Context



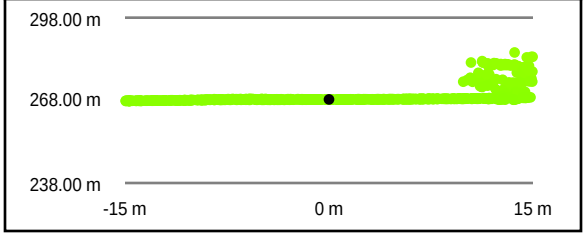
World Imagery



Southwest to Northeast



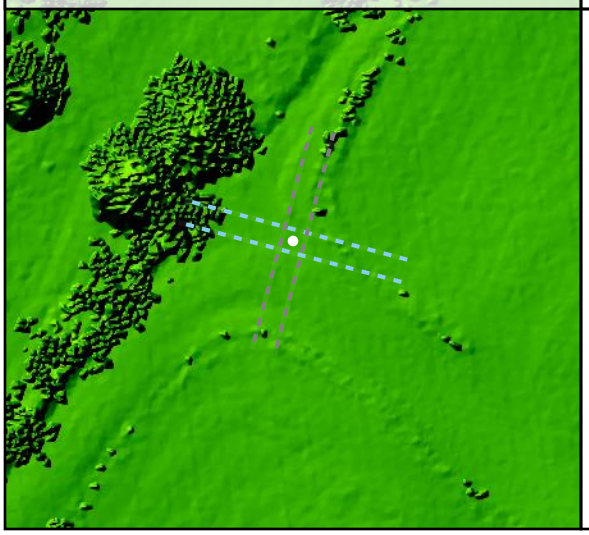
Southeast to Northwest



Intensity Raster



TIN Surface

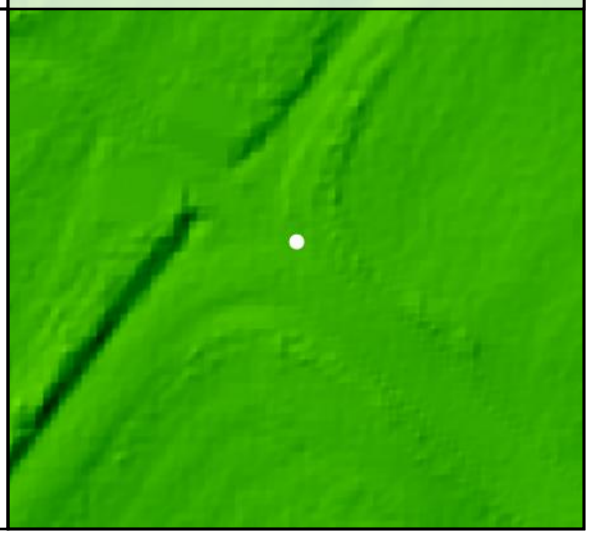


Project Elevation

716.97

103.02

DEM Surface



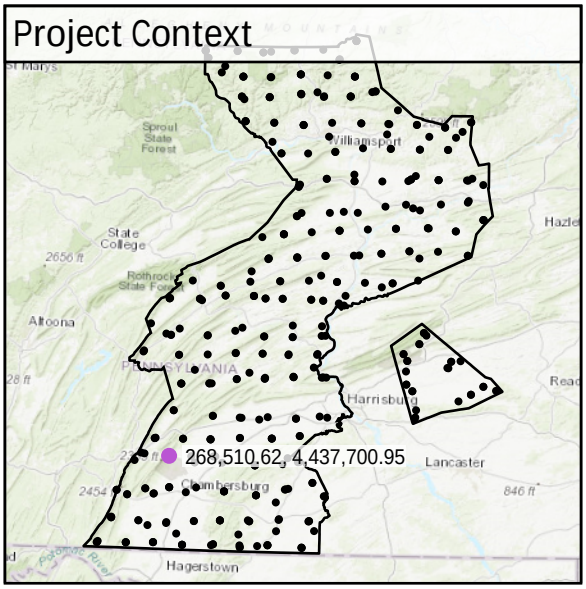
DEM Dz -0.04 m

CAL - CA0116

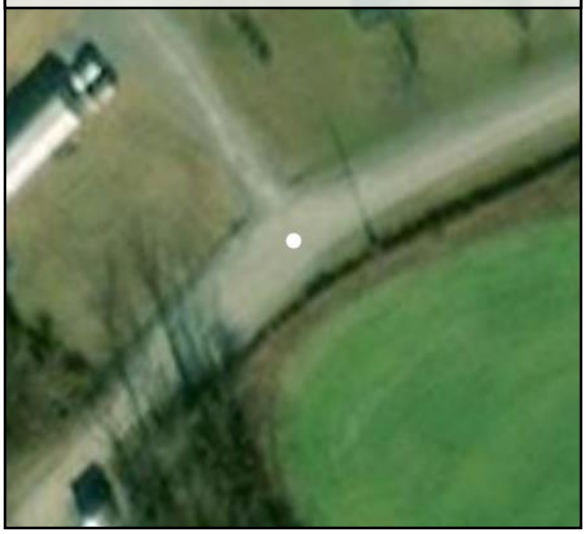
All Points TIN Dz -0.04 m

CA0117				
	Known Z	226.59 m	Point Density	4.85 ppsm
	DEM Dz	-0.05 m	Ground Density	2.58 ppsm
	All Points TIN Dz	-0.04 m	Slope	1.23 °

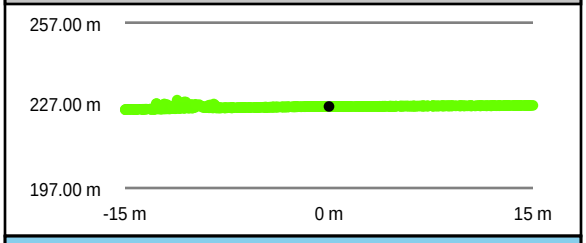
Project Context



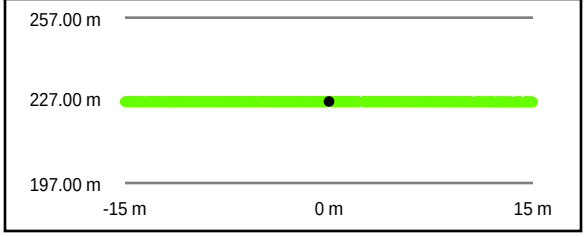
World Imagery



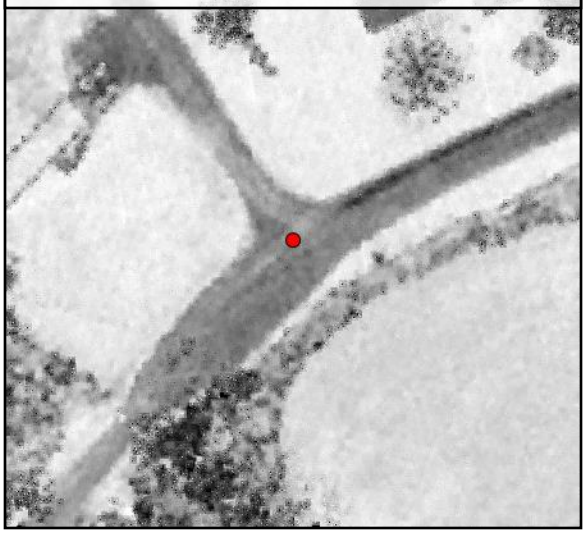
Southeast to Northwest



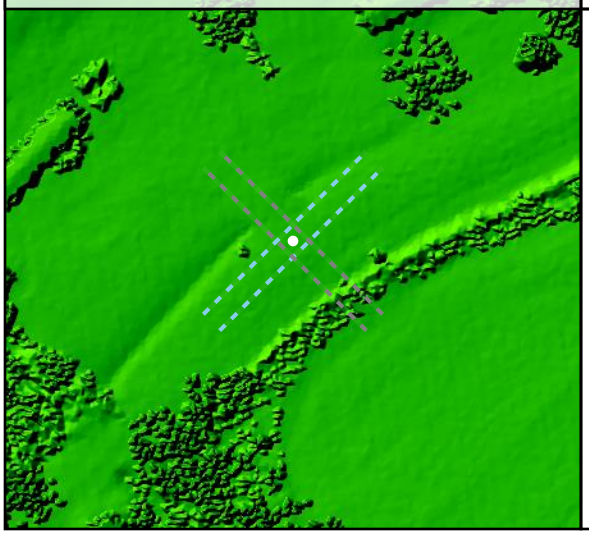
Southwest to Northeast



Intensity Raster



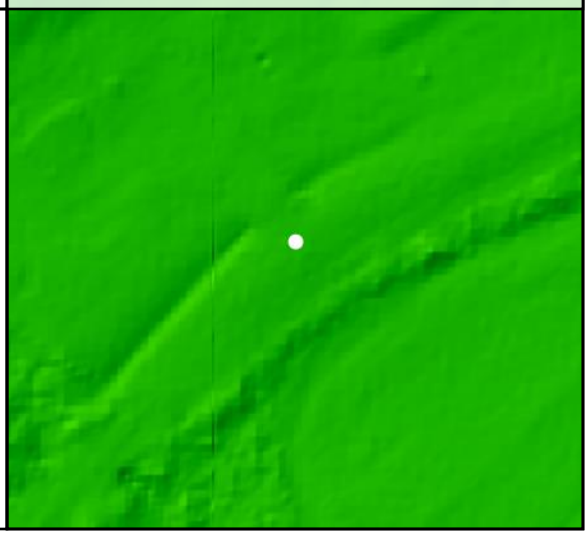
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.05 m

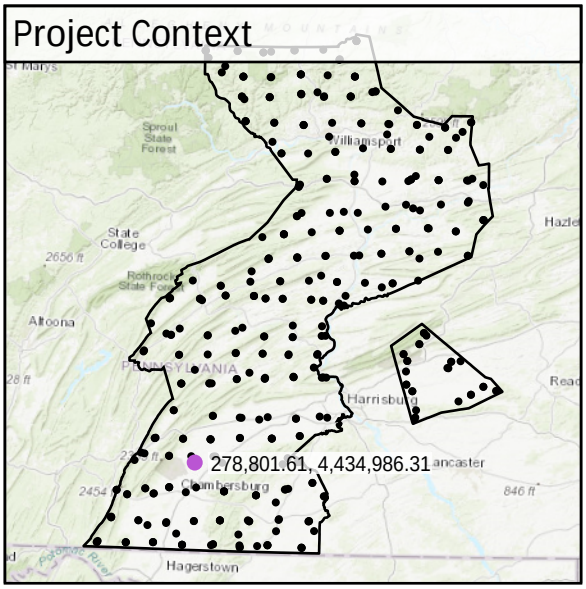
CAL - CA0117

All Points TIN Dz -0.04 m

CA0118

Known Z	191.14 m	Point Density	3.93 ppsm
DEM Dz	0.01 m	Ground Density	2.86 ppsm
All Points TIN Dz	0.01 m	Slope	5.70 °

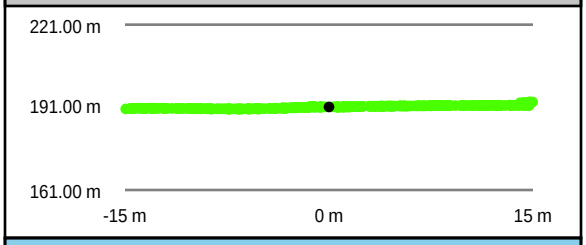
Project Context



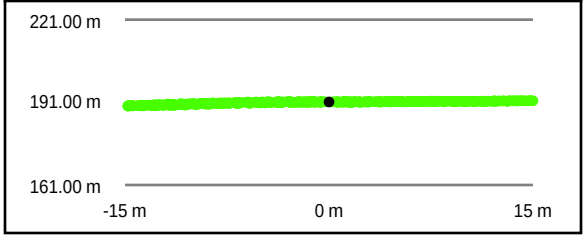
World Imagery



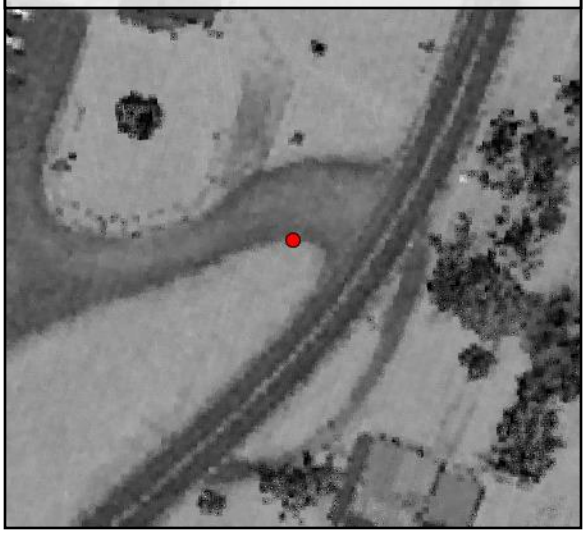
Southeast to Northwest



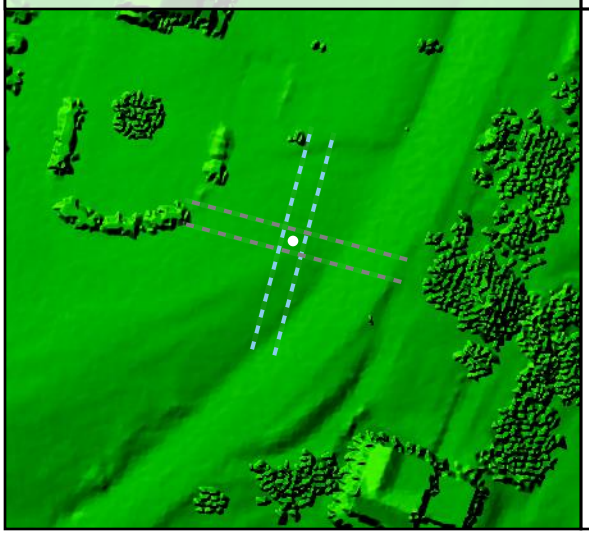
Southwest to Northeast



Intensity Raster



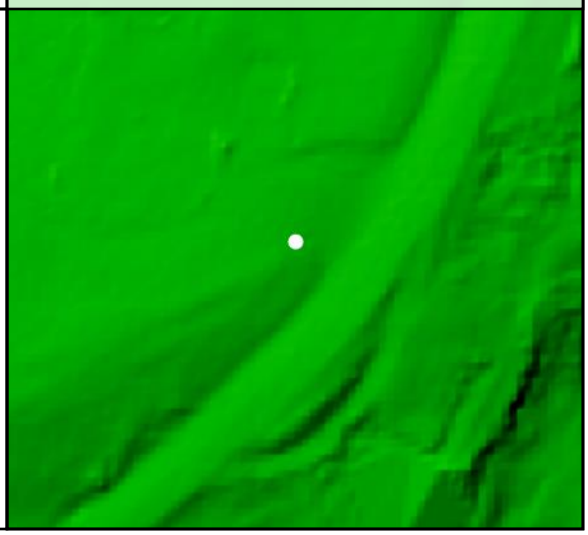
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.01 m

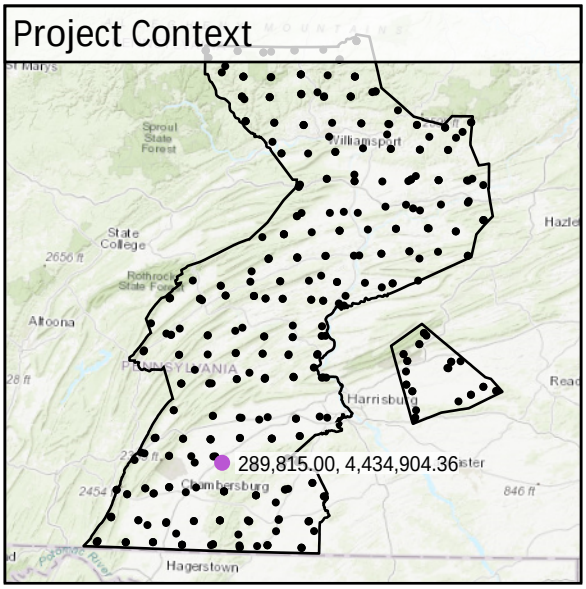
CAL - CA0118

All Points TIN Dz +0.01 m

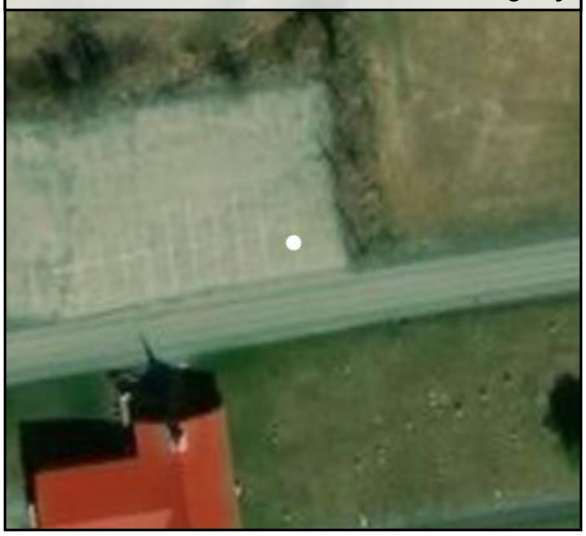
CA0119

Known Z	249.80 m	Point Density	5.41 ppsm
DEM Dz	-0.04 m	Ground Density	2.65 ppsm
All Points TIN Dz	-0.03 m	Slope	1.92 °

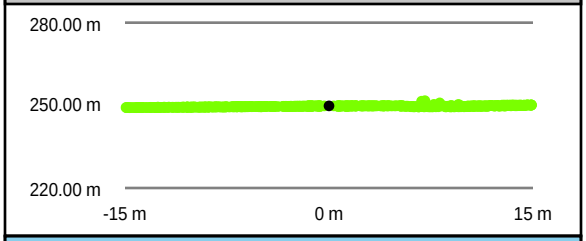
Project Context



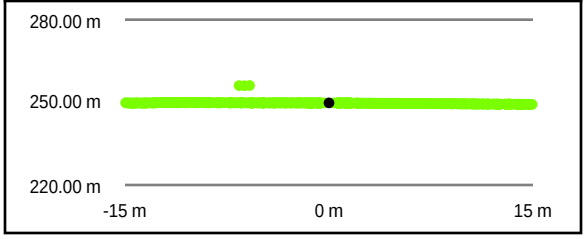
World Imagery



West to East



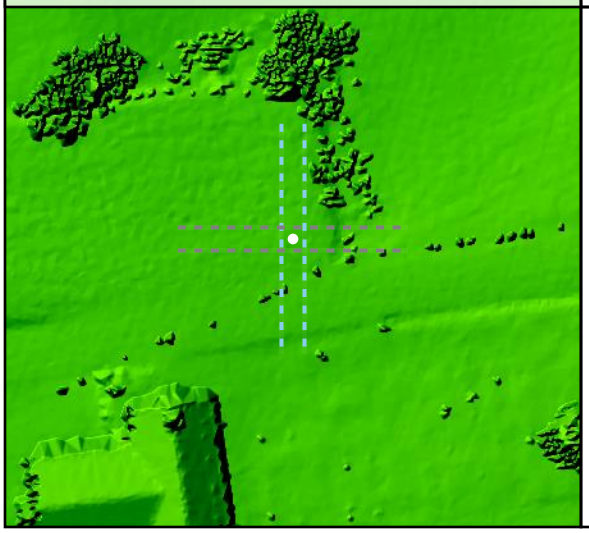
South to North



Intensity Raster



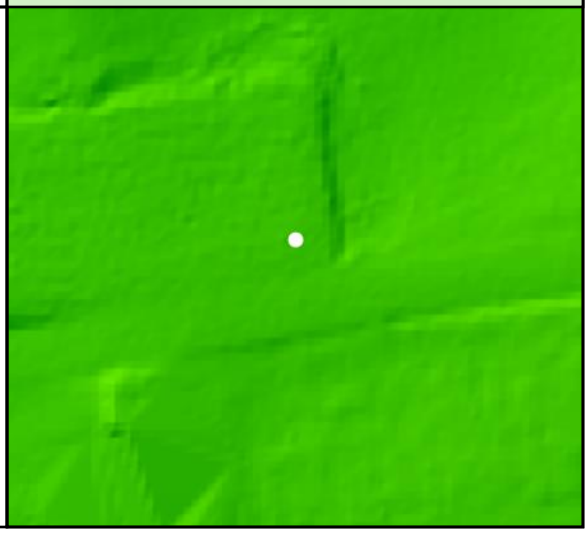
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.04 m

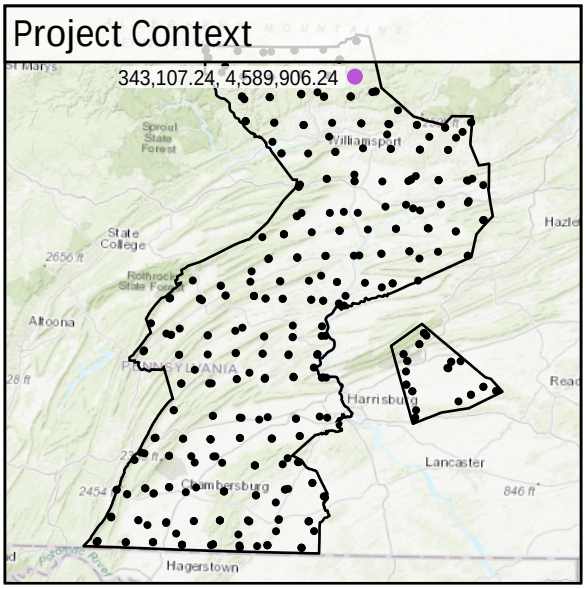
CAL - CA0119

All Points TIN Dz -0.03 m

CA012

Known Z	419.50 m	Point Density	5.31 ppsm
DEM Dz	0.12 m	Ground Density	2.97 ppsm
All Points TIN Dz	0.12 m	Slope	2.51 °

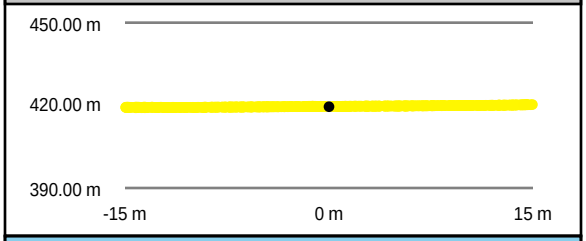
Project Context



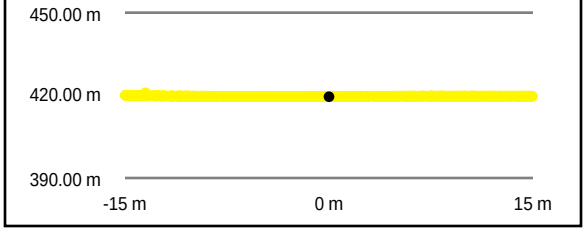
World Imagery



Southeast to Northwest



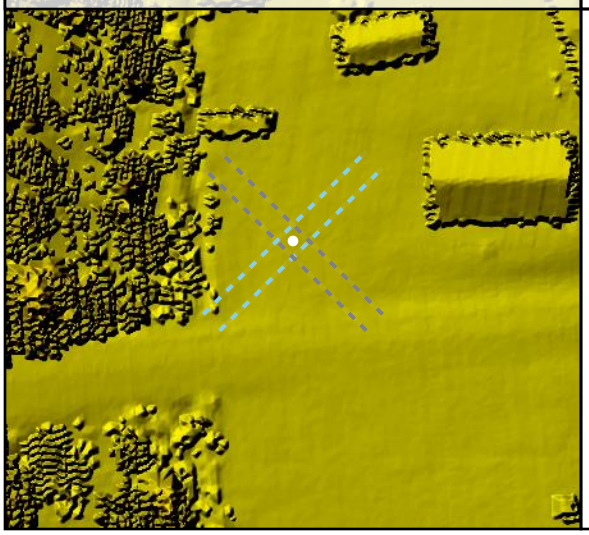
Southwest to Northeast



Intensity Raster



TIN Surface

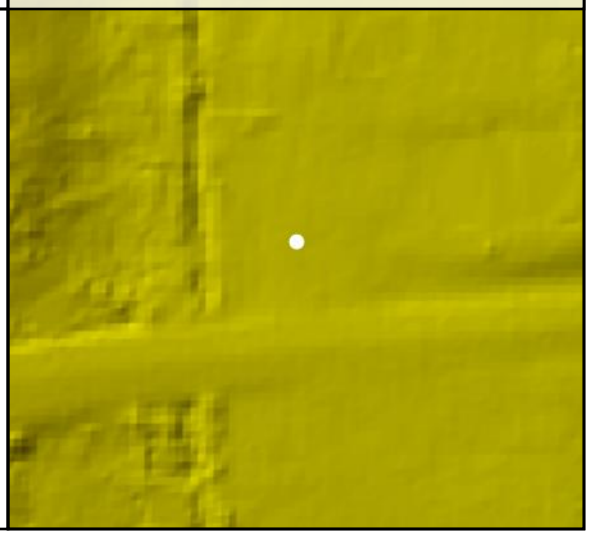


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.12 m

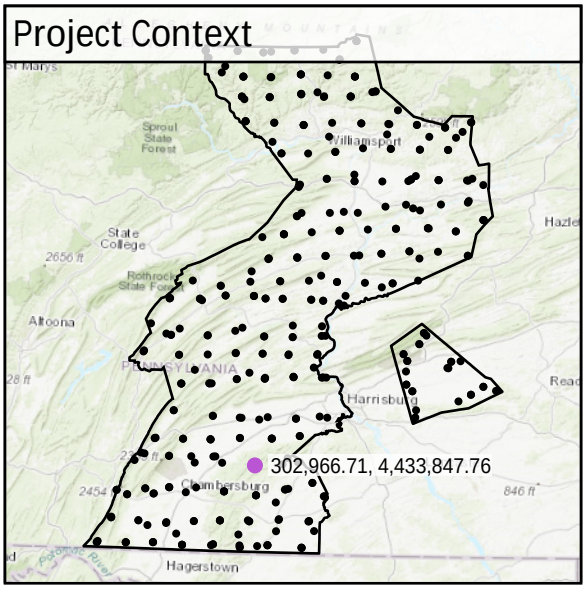
CAL - CA012

All Points TIN Dz +0.12 m

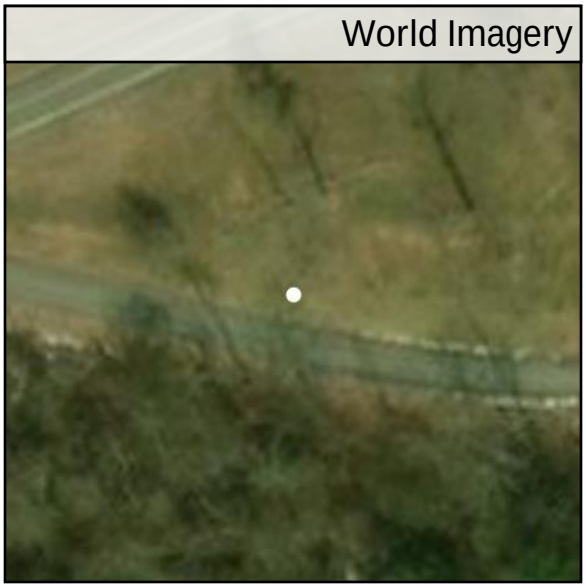
CA0120

Known Z	267.51 m	Point Density	5.02 ppsm
DEM Dz	0.07 m	Ground Density	2.83 ppsm
All Points TIN Dz	0.02 m	Slope	11.90 °

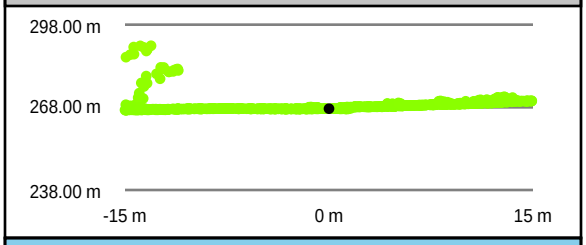
Project Context



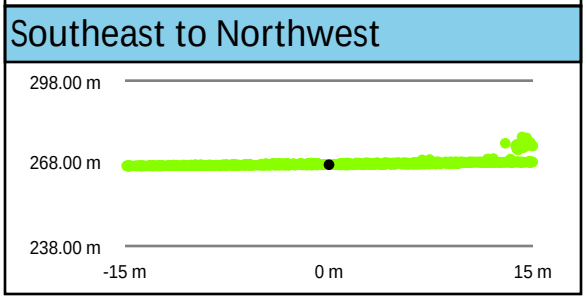
World Imagery



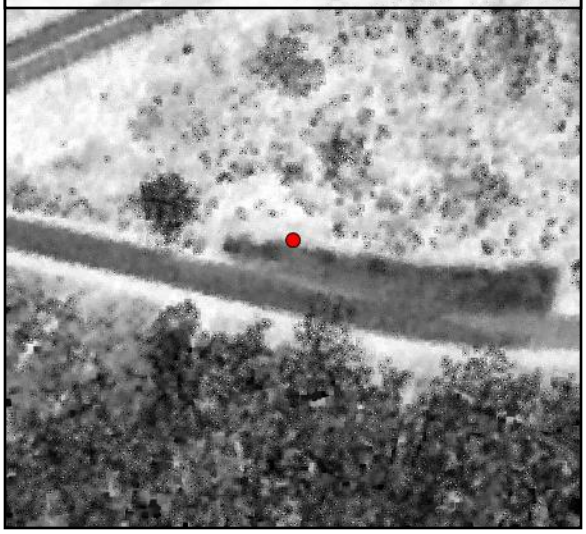
Southwest to Northeast



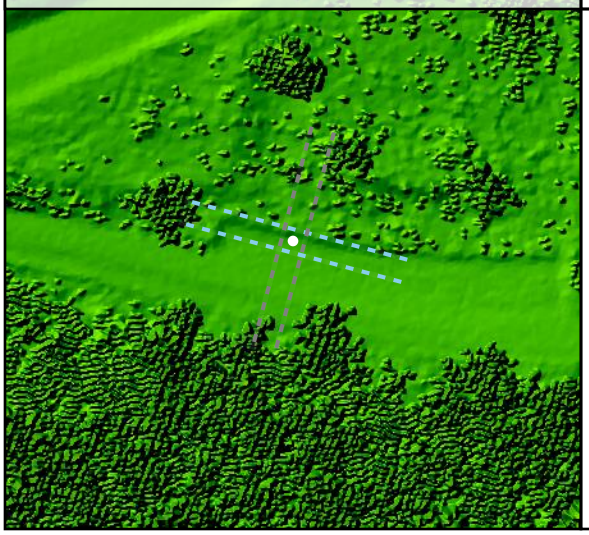
Southeast to Northwest



Intensity Raster



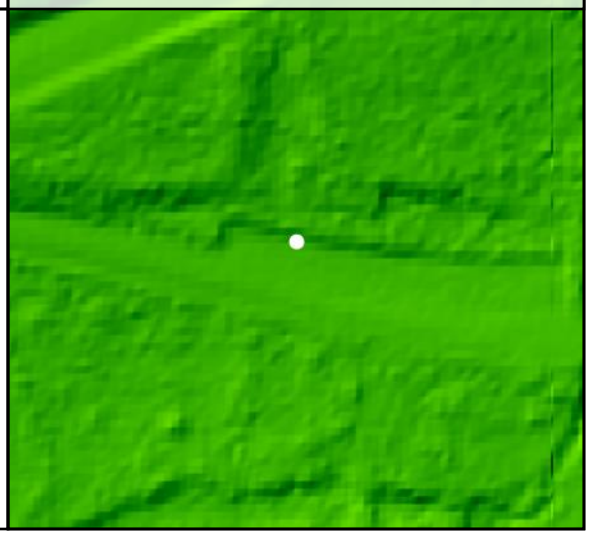
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.07 m

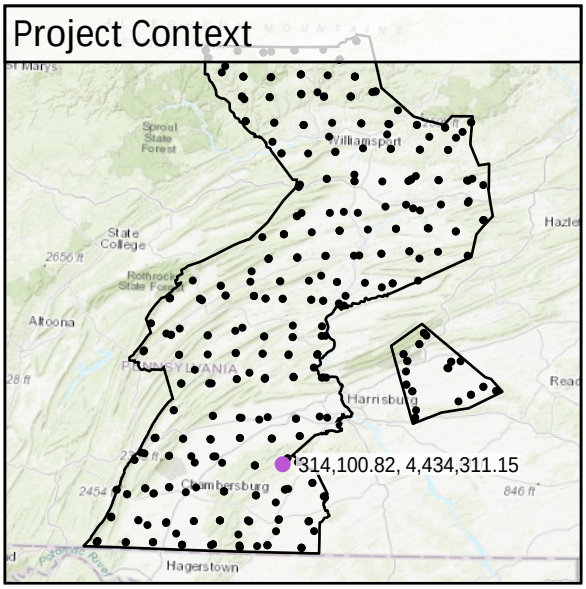
CAL - CA0120

All Points TIN Dz +0.02 m

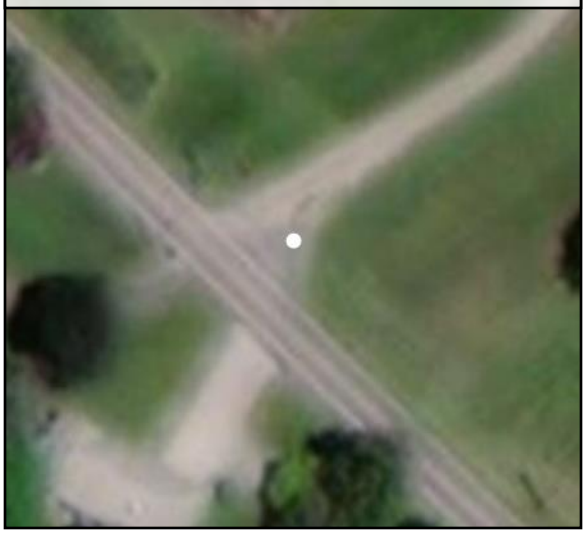
CA0121

Known Z	303.59 m	Point Density	5.38 ppsm
DEM Dz	-0.05 m	Ground Density	2.86 ppsm
All Points TIN Dz	-0.04 m	Slope	0.81 °

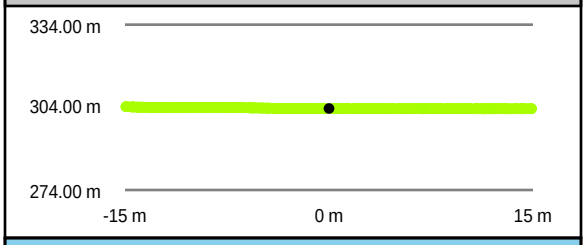
Project Context



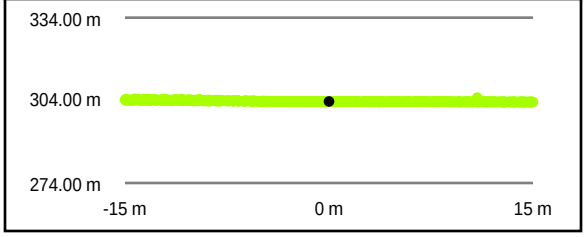
World Imagery



Southwest to Northeast



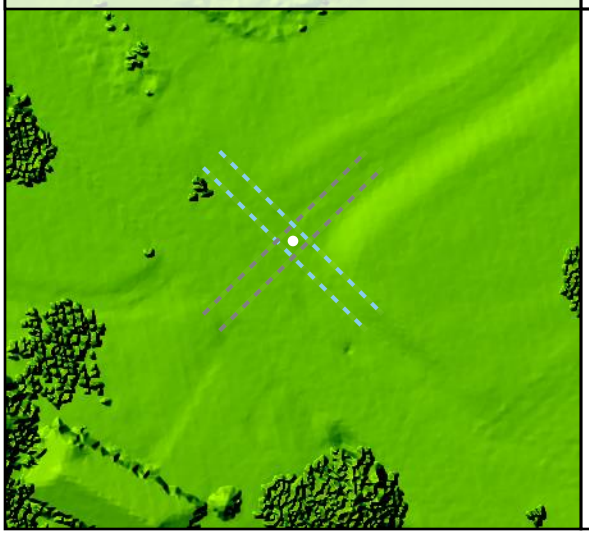
Southeast to Northwest



Intensity Raster



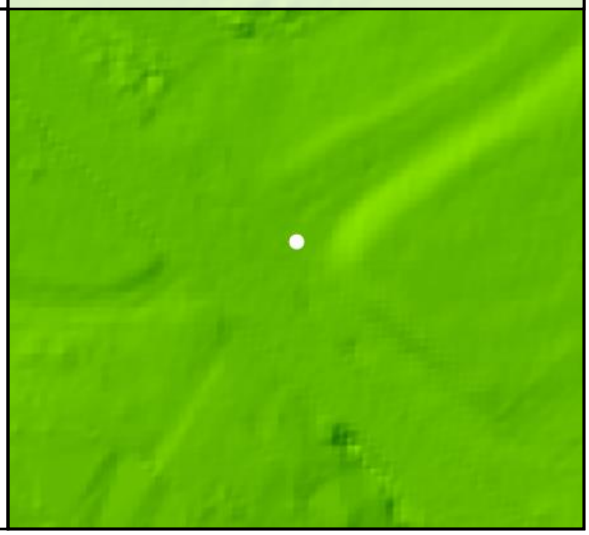
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.05 m

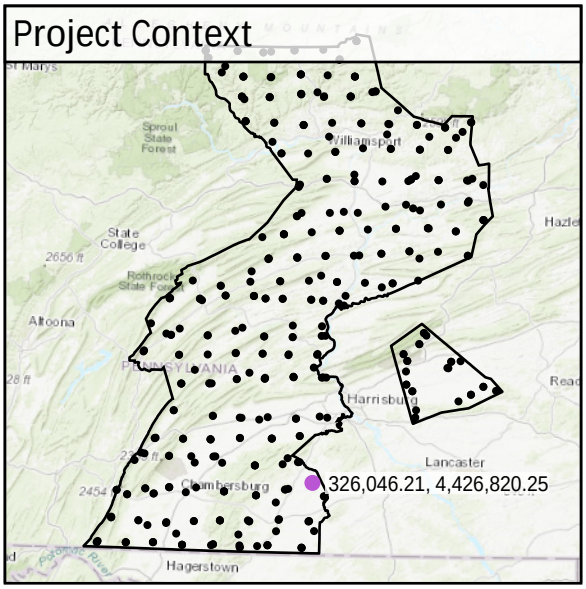
CAL - CA0121

All Points TIN Dz -0.04 m

CA0122

Known Z	154.86 m	Point Density	4.53 ppsm
DEM Dz	0.02 m	Ground Density	2.30 ppsm
All Points TIN Dz	0.01 m	Slope	1.55 °

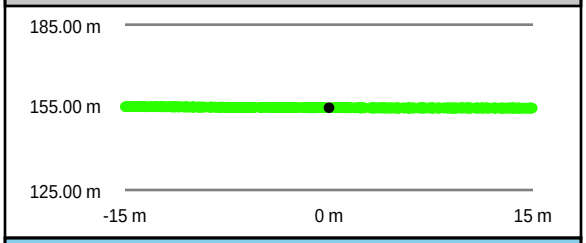
Project Context



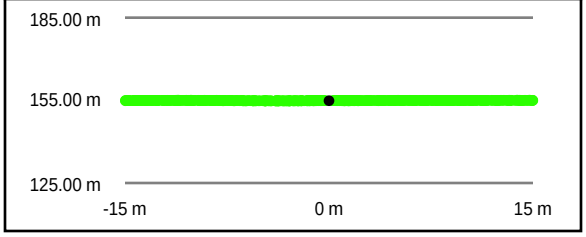
World Imagery



Southeast to Northwest



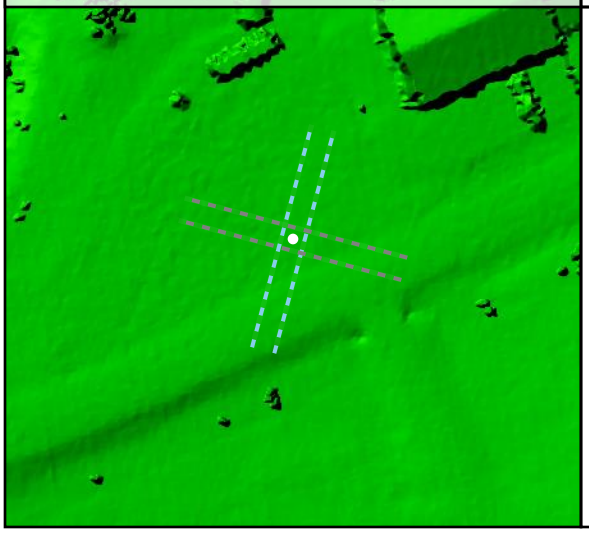
Southwest to Northeast



Intensity Raster



TIN Surface

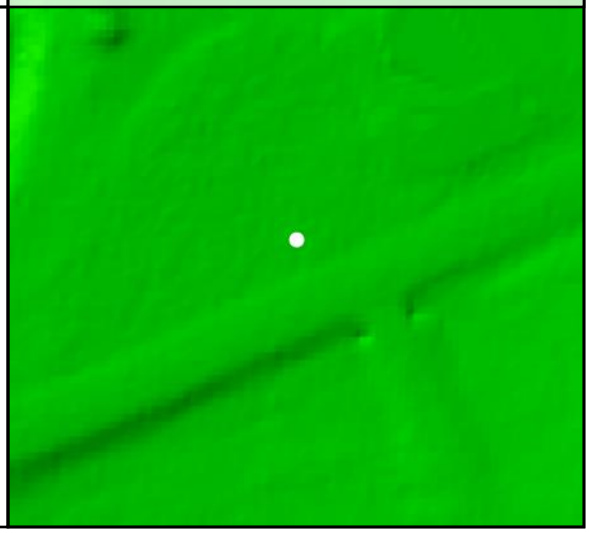


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.02 m

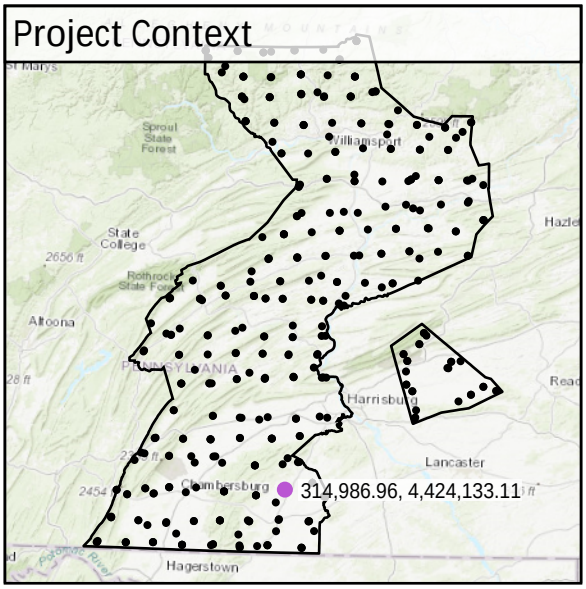
CAL - CA0122

All Points TIN Dz +0.01 m

CA0123

Known Z	175.34 m	Point Density	5.09 ppsm
DEM Dz	0.07 m	Ground Density	2.76 ppsm
All Points TIN Dz	0.06 m	Slope	1.68 °

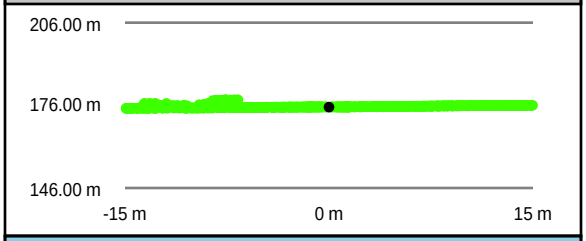
Project Context



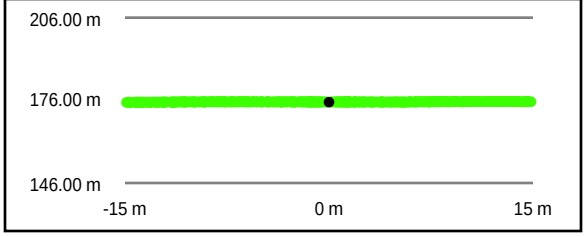
World Imagery



Southeast to Northwest



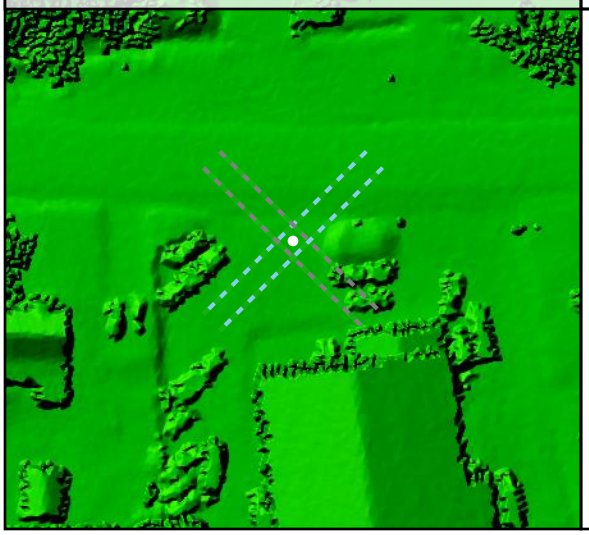
Southwest to Northeast



Intensity Raster



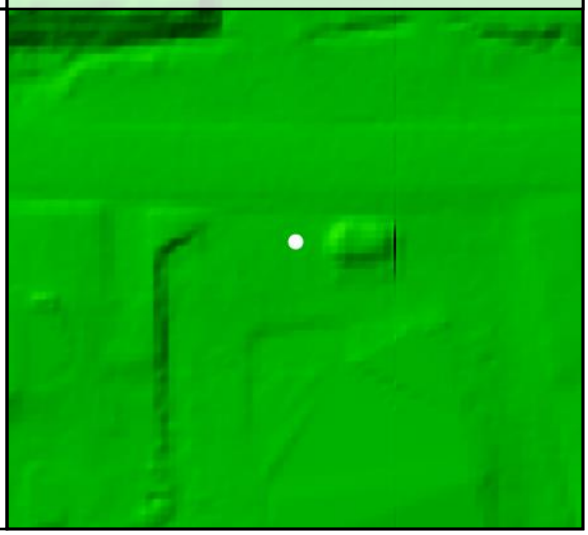
TIN Surface



Project Elevation



DEM Surface



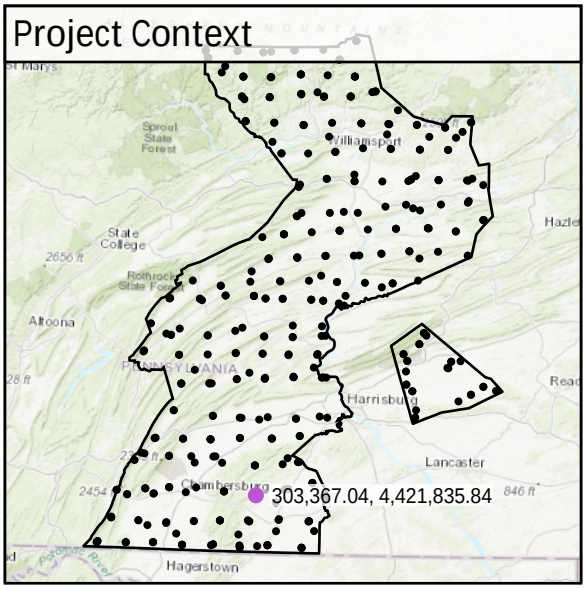
DEM Dz +0.07 m

CAL - CA0123

All Points TIN Dz +0.06 m

CA0124				
	Known Z	218.69 m	Point Density	4.92 ppsm
	DEM Dz	0.04 m	Ground Density	2.69 ppsm
	All Points TIN Dz	0.05 m	Slope	3.71 °

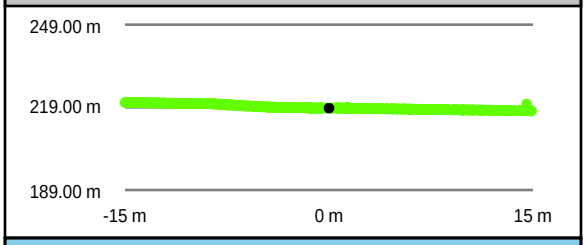
Project Context



World Imagery



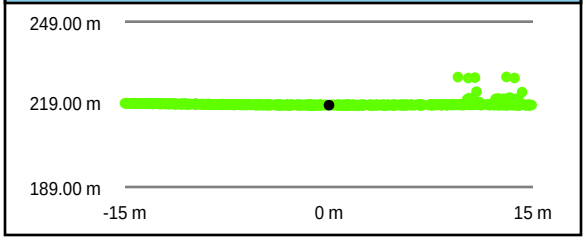
Southwest to Northeast



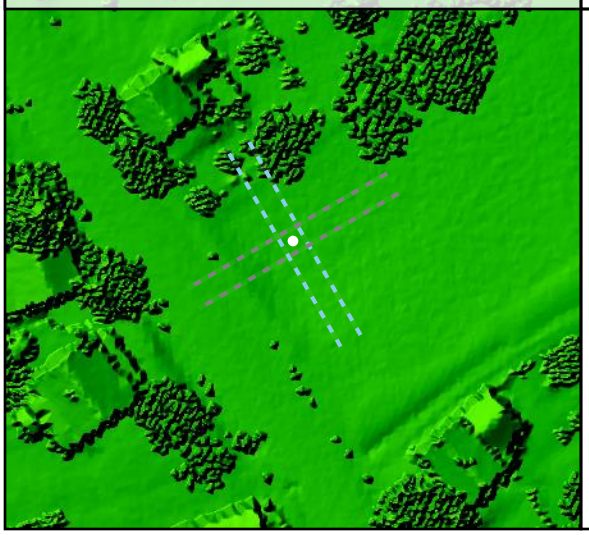
Intensity Raster



Southeast to Northwest



TIN Surface

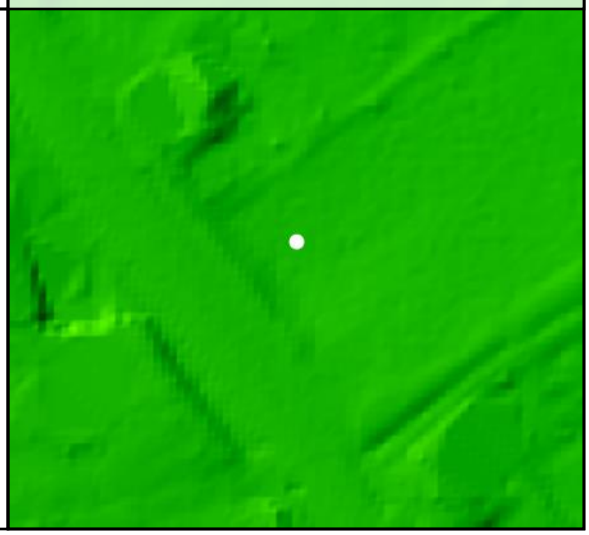


Project Elevation

716.97

103.02

DEM Surface



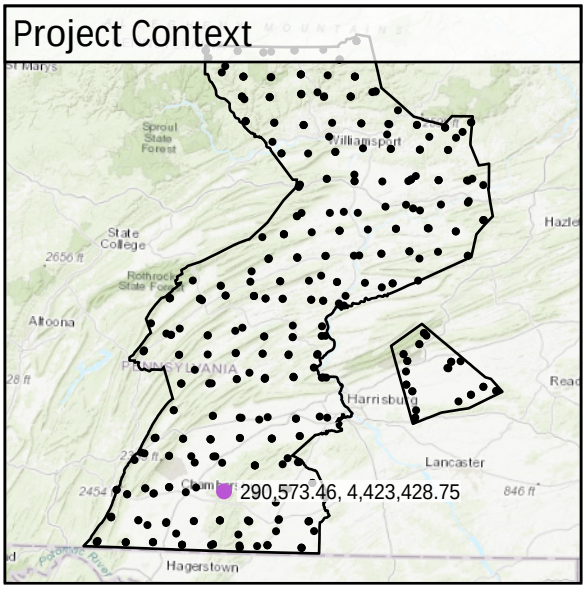
DEM Dz +0.04 m

CAL - CA0124

All Points TIN Dz +0.05 m

CA0125				
	Known Z	415.36 m	Point Density	5.69 ppsm
	DEM Dz	-0.02 m	Ground Density	3.25 ppsm
	All Points TIN Dz	-0.02 m	Slope	1.00 °

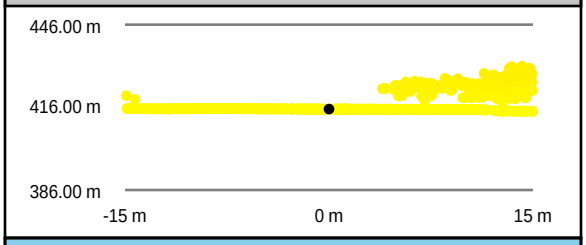
Project Context



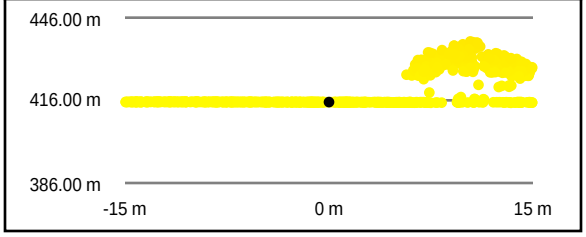
World Imagery



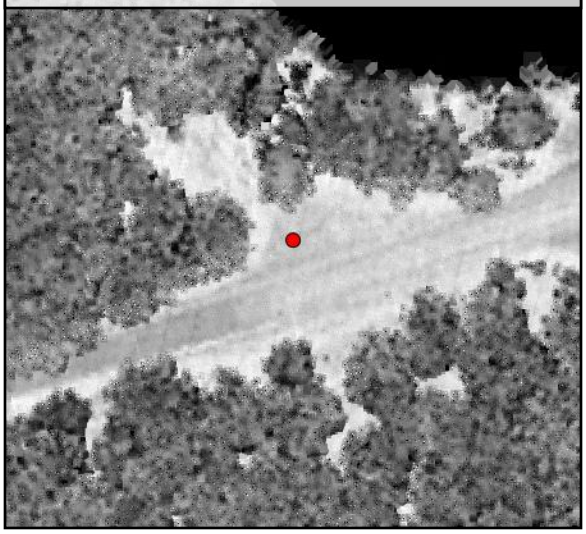
Southwest to Northeast



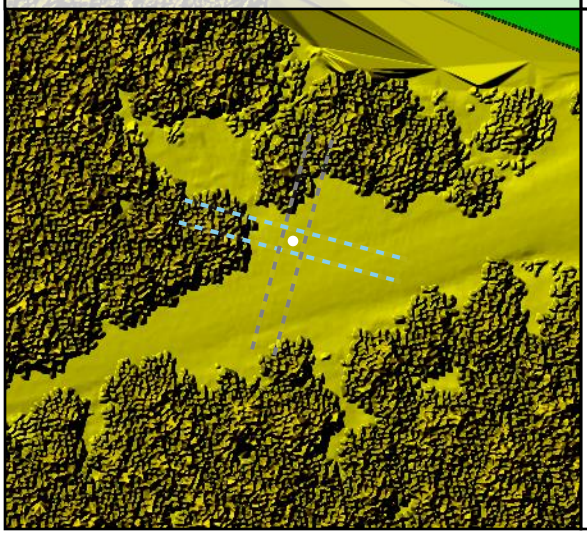
Southeast to Northwest



Intensity Raster



TIN Surface

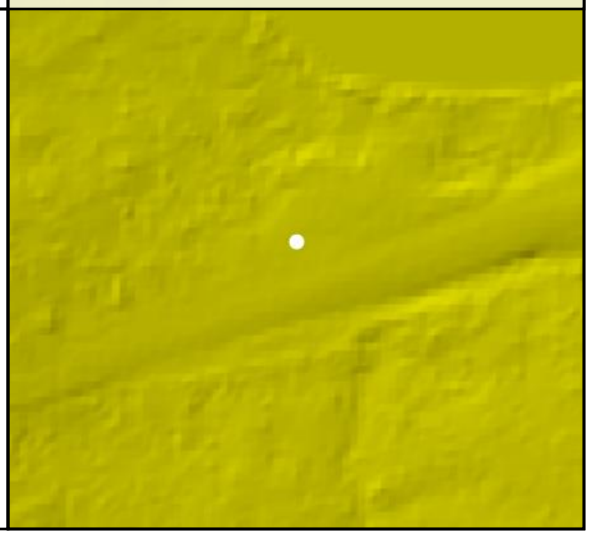


Project Elevation

716.97

103.02

DEM Surface



DEM Dz -0.02 m

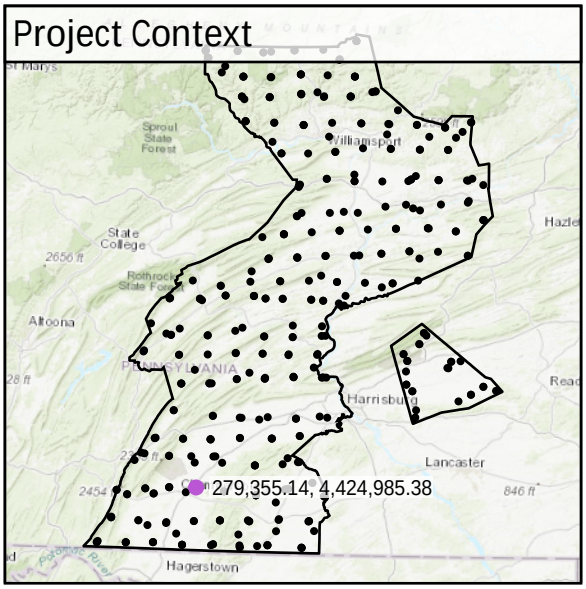
CAL - CA0125

All Points TIN Dz -0.02 m

CA0126

Known Z	218.02 m	Point Density	5.98 ppsm
DEM Dz	0.03 m	Ground Density	3.22 ppsm
All Points TIN Dz	0.03 m	Slope	1.88 °

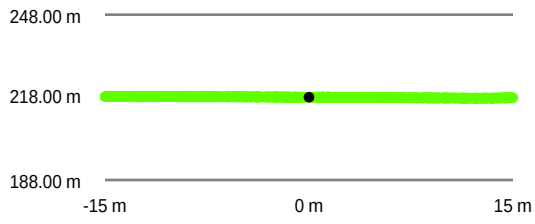
Project Context



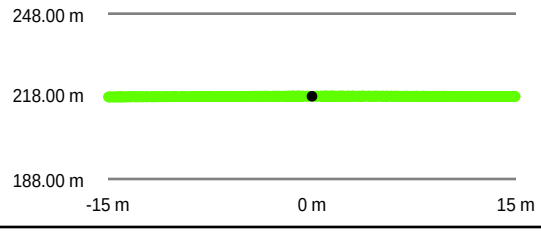
World Imagery



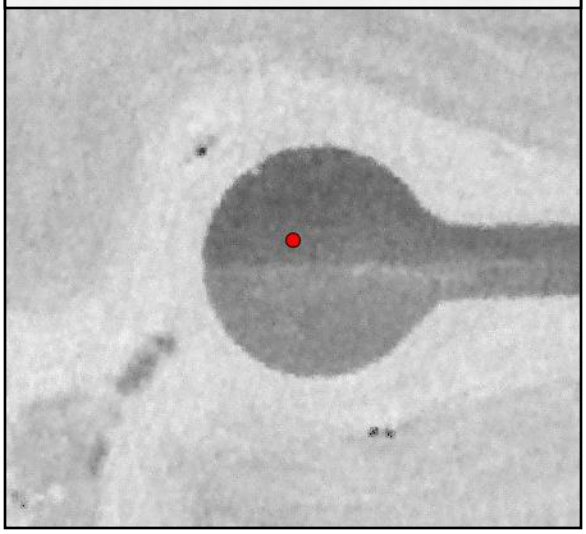
Southeast to Northwest



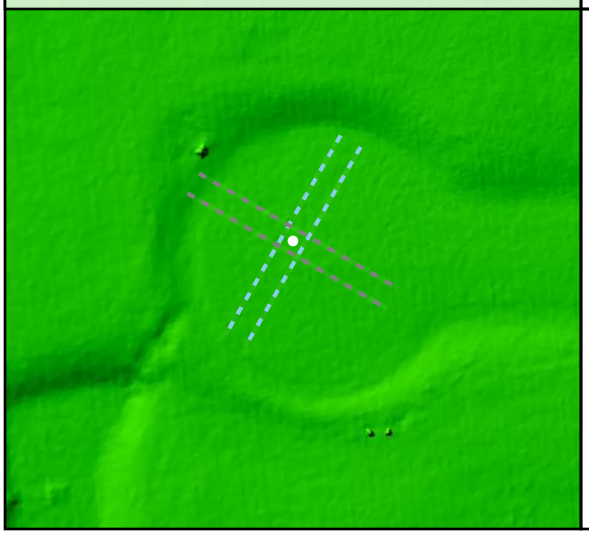
Southwest to Northeast



Intensity Raster



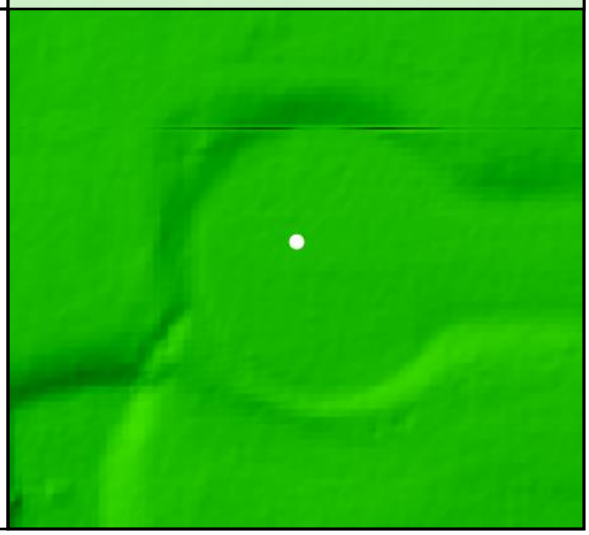
TIN Surface



Project Elevation



DEM Surface



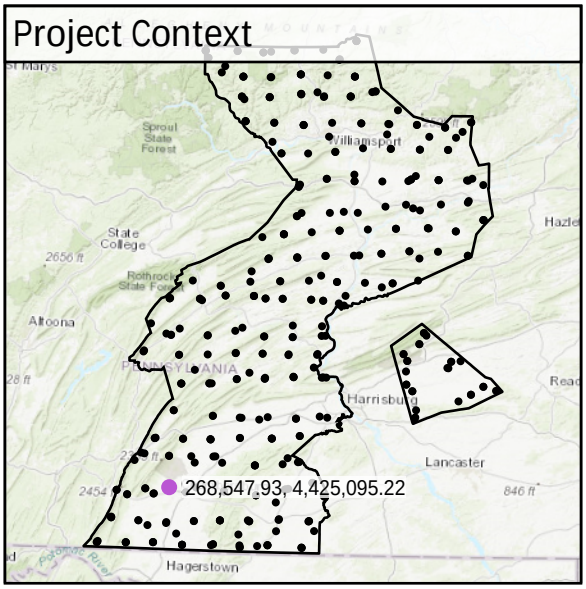
DEM Dz +0.03 m

CAL - CA0126

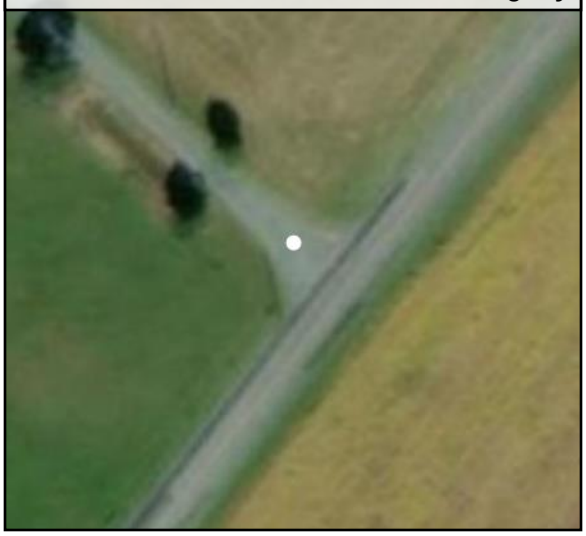
All Points TIN Dz +0.03 m

CA0127				
	Known Z	226.94 m	Point Density	5.13 ppsm
	DEM Dz	0.04 m	Ground Density	2.94 ppsm
	All Points TIN Dz	0.03 m	Slope	2.10 °

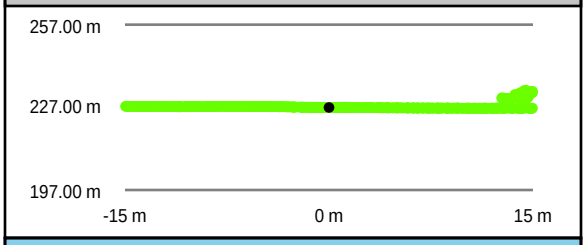
Project Context



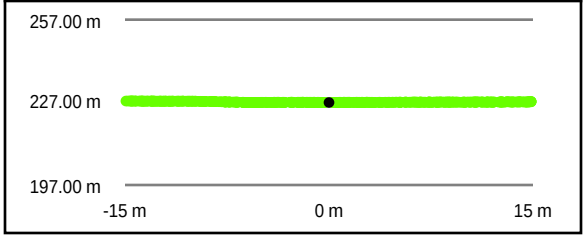
World Imagery



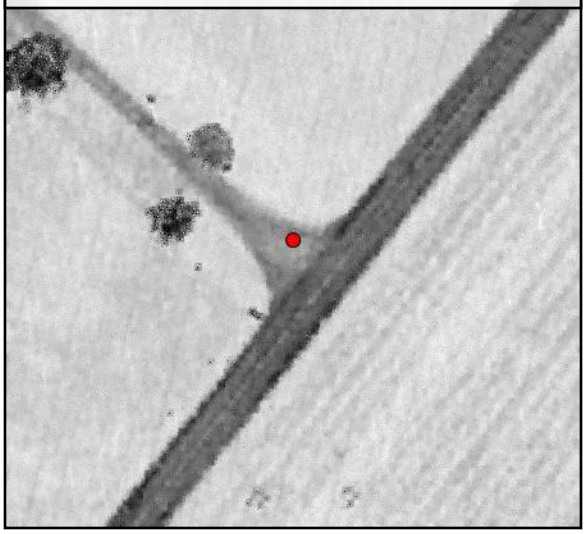
Southeast to Northwest



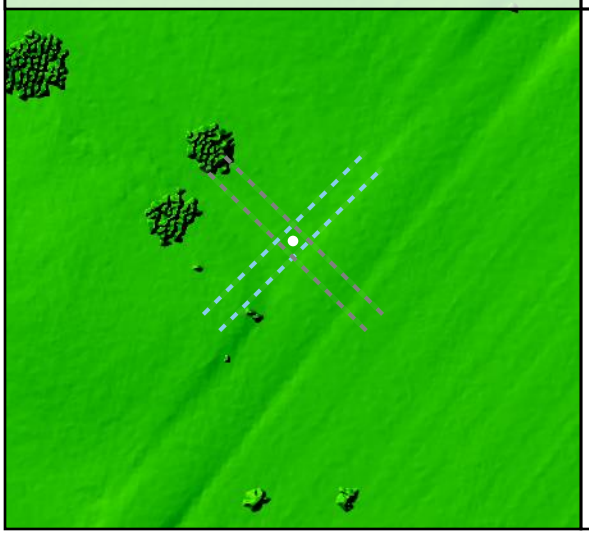
Southwest to Northeast



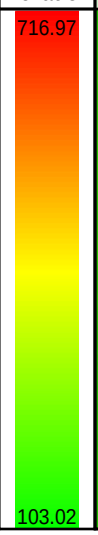
Intensity Raster



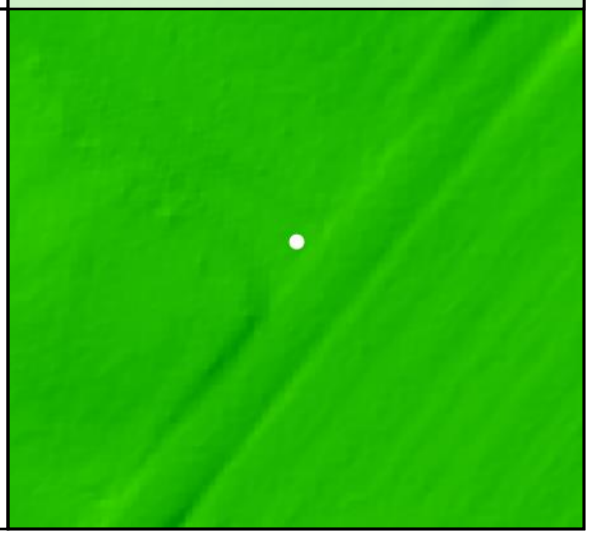
TIN Surface



Project Elevation



DEM Surface



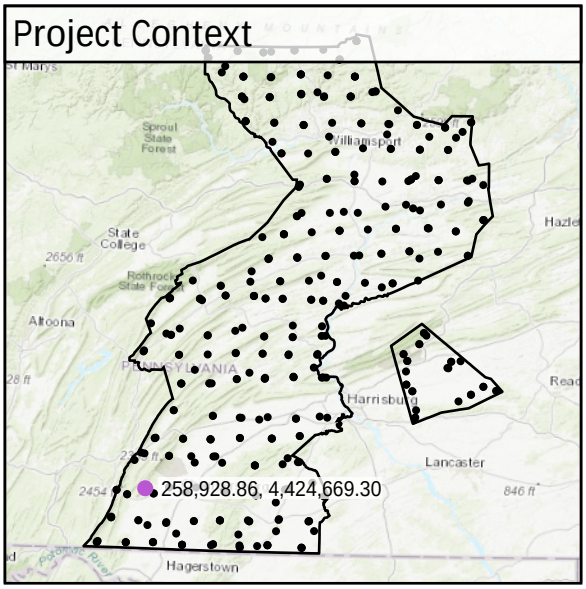
DEM Dz +0.04 m

CAL - CA0127

All Points TIN Dz +0.03 m

CA0128				
	Known Z	222.26 m	Point Density	5.20 ppsm
	DEM Dz	0.04 m	Ground Density	2.79 ppsm
	All Points TIN Dz	0.04 m	Slope	1.02 °

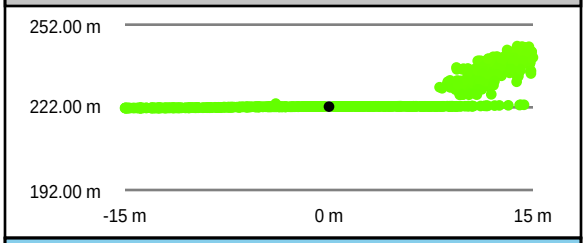
Project Context



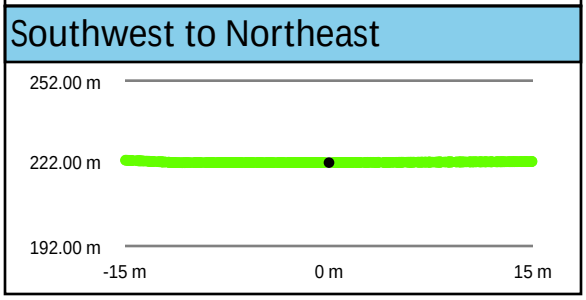
World Imagery



Southeast to Northwest



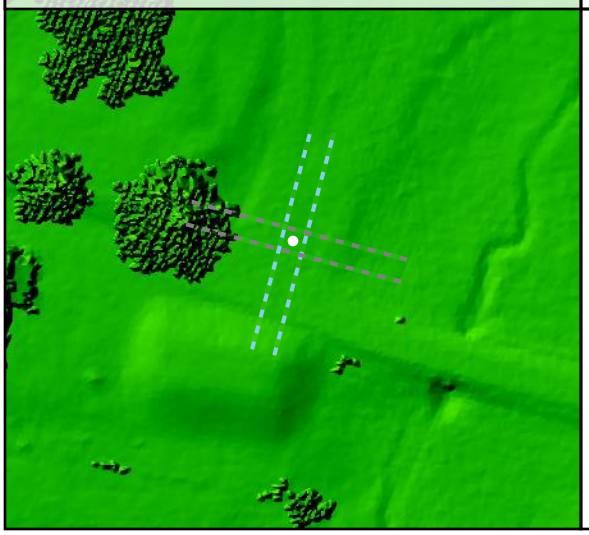
Southwest to Northeast



Intensity Raster



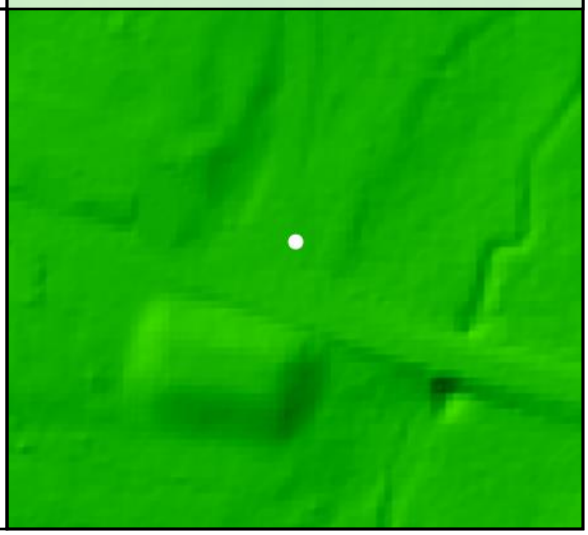
TIN Surface



Project Elevation



DEM Surface



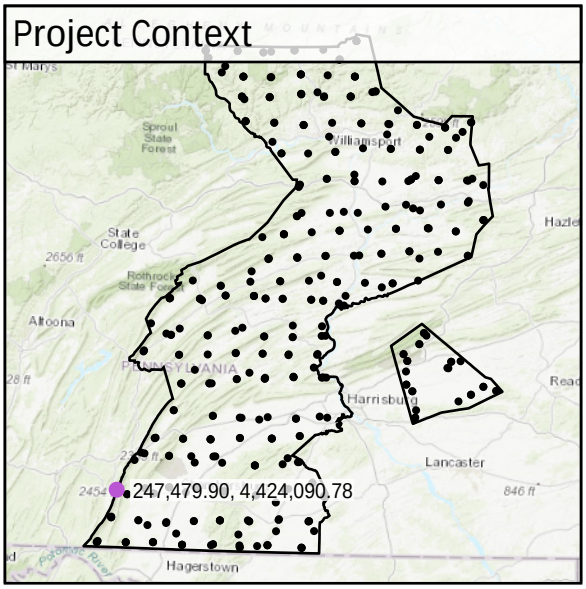
DEM Dz +0.04 m

CAL - CA0128

All Points TIN Dz +0.04 m

CA0129				
	Known Z	697.54 m	Point Density	4.03 ppsm
	DEM Dz	0.00 m	Ground Density	4.03 ppsm
	All Points TIN Dz	0.01 m	Slope	5.80 °

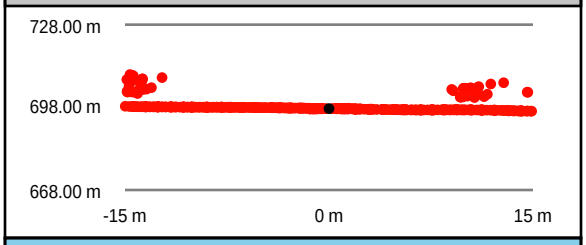
Project Context



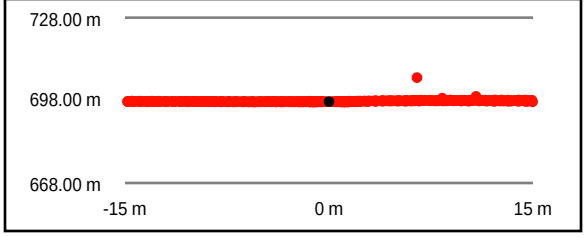
World Imagery



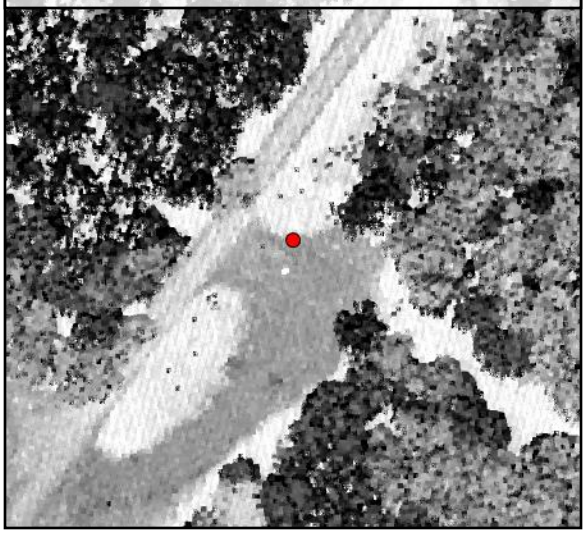
Southeast to Northwest



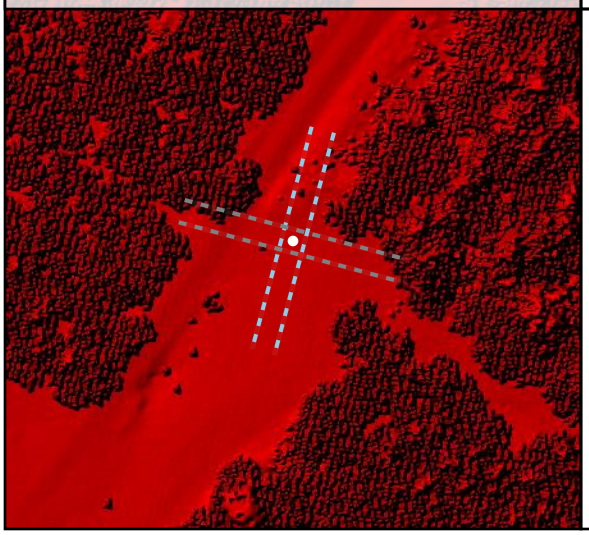
Southwest to Northeast



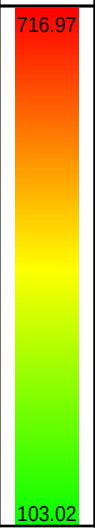
Intensity Raster



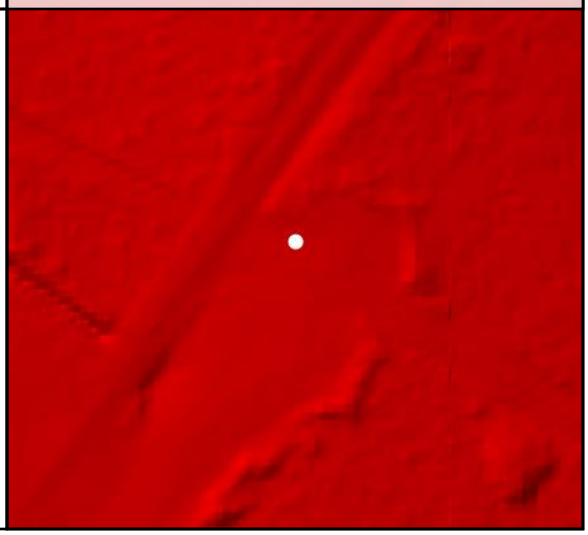
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.00 m

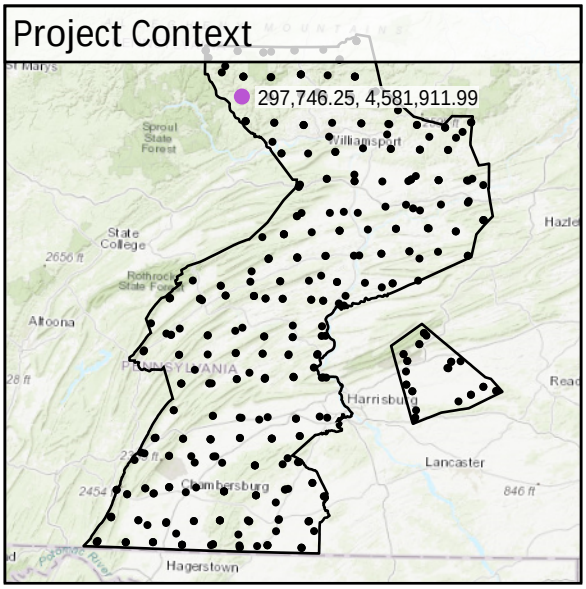
CAL - CA0129

All Points TIN Dz +0.01 m

CA013

Known Z	199.76 m	Point Density	2.72 ppsm
DEM Dz	0.10 m	Ground Density	2.72 ppsm
All Points TIN Dz	0.10 m	Slope	0.93 °

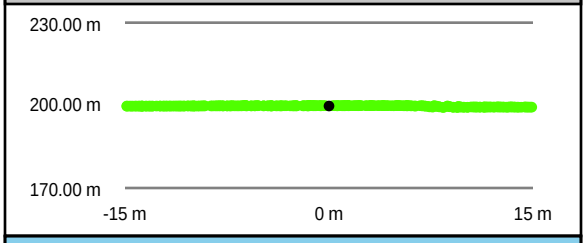
Project Context



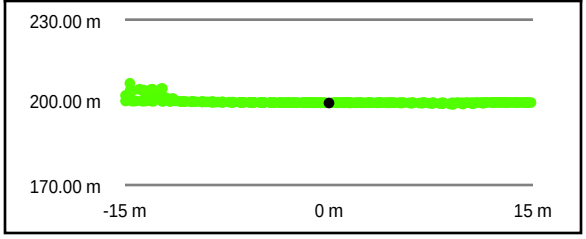
World Imagery



Southeast to Northwest



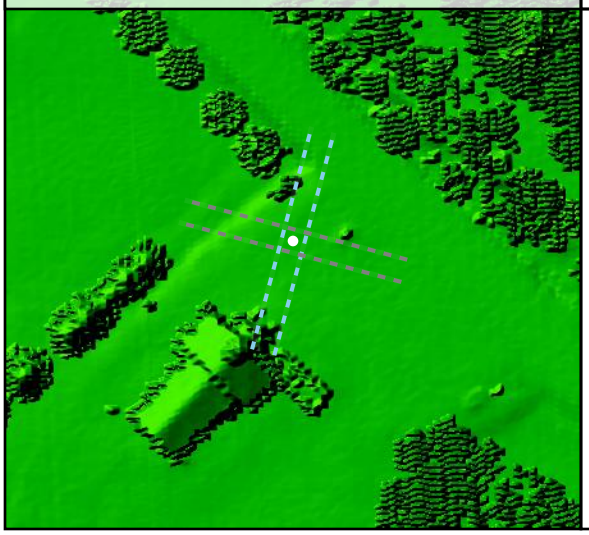
Southwest to Northeast



Intensity Raster



TIN Surface

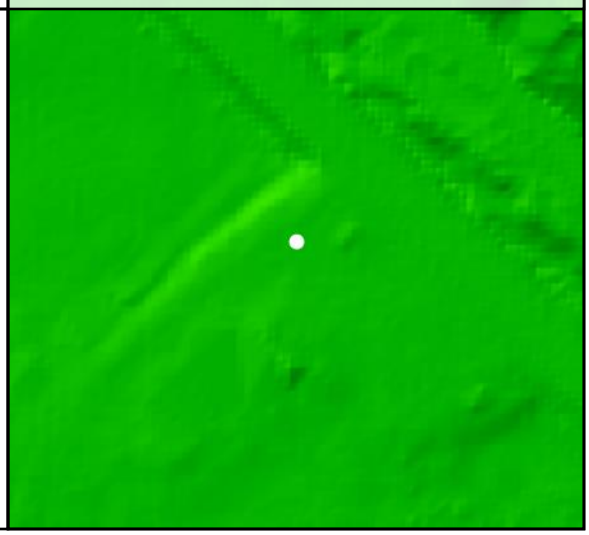


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.10 m

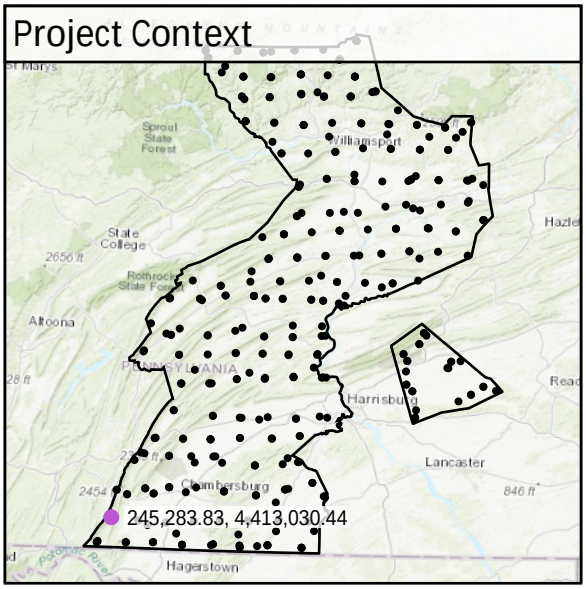
CAL - CA013

All Points TIN Dz +0.10 m

CA0130

Known Z	224.90 m	Point Density	5.45 ppsm
DEM Dz	0.00 m	Ground Density	2.79 ppsm
All Points TIN Dz	-0.01 m	Slope	1.43 °

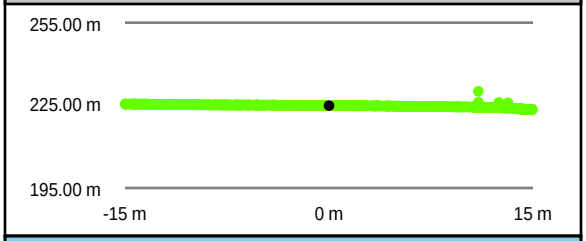
Project Context



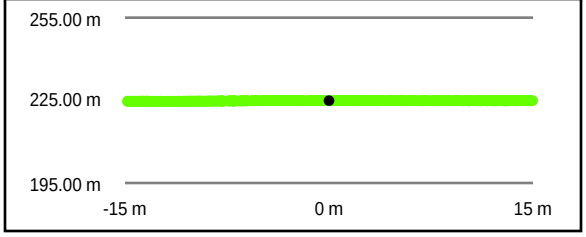
World Imagery



Southeast to Northwest



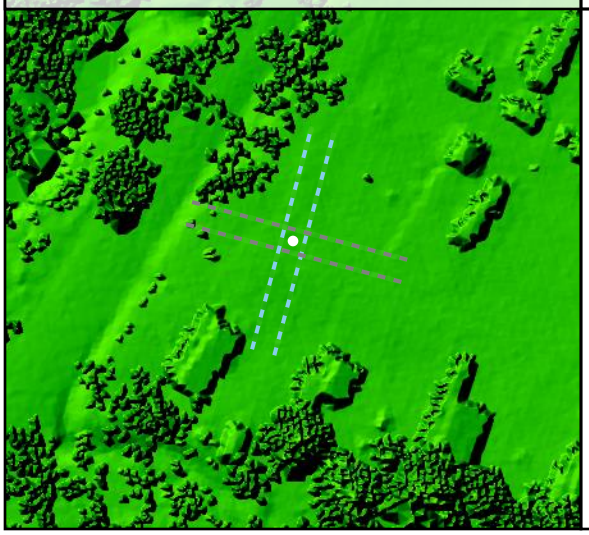
Southwest to Northeast



Intensity Raster



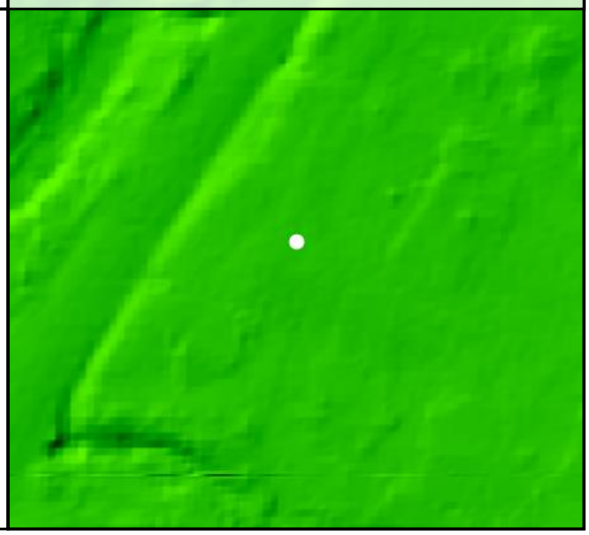
TIN Surface



Project Elevation



DEM Surface

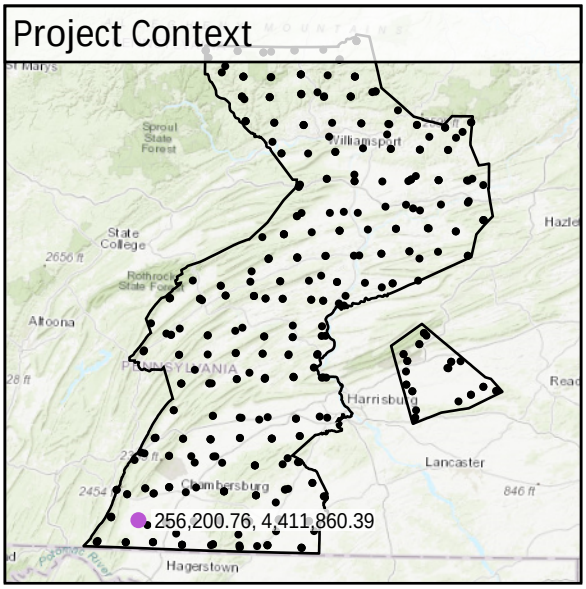


All Points TIN Dz -0.01 m | CAL - CA0130 | DEM Dz 0.00 m

CA0131

Known Z	173.12 m	Point Density	4.07 ppsm
DEM Dz	0.03 m	Ground Density	3.01 ppsm
All Points TIN Dz	0.02 m	Slope	0.97 °

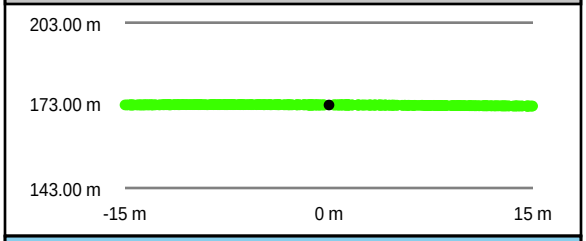
Project Context



World Imagery



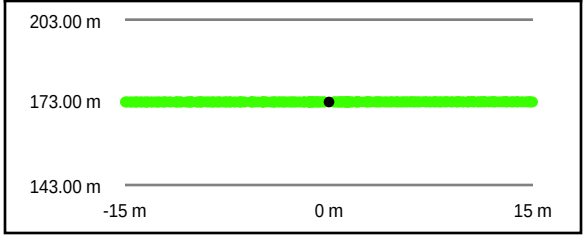
Southeast to Northwest



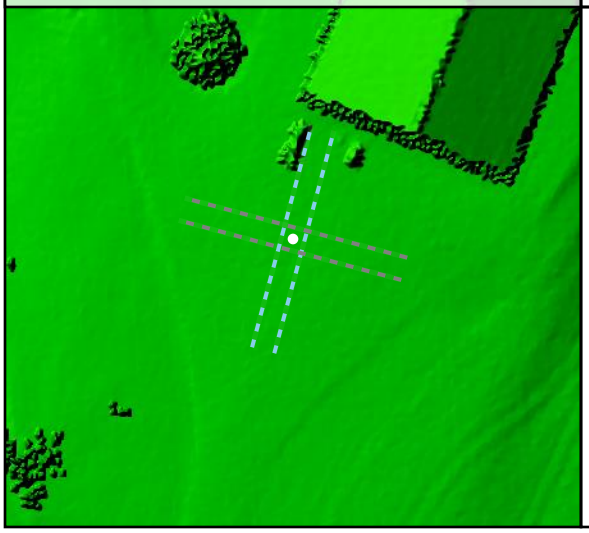
Intensity Raster



Southwest to Northeast



TIN Surface

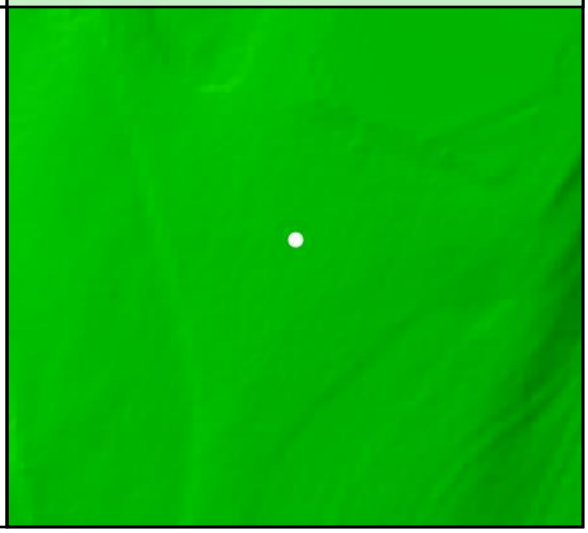


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.03 m

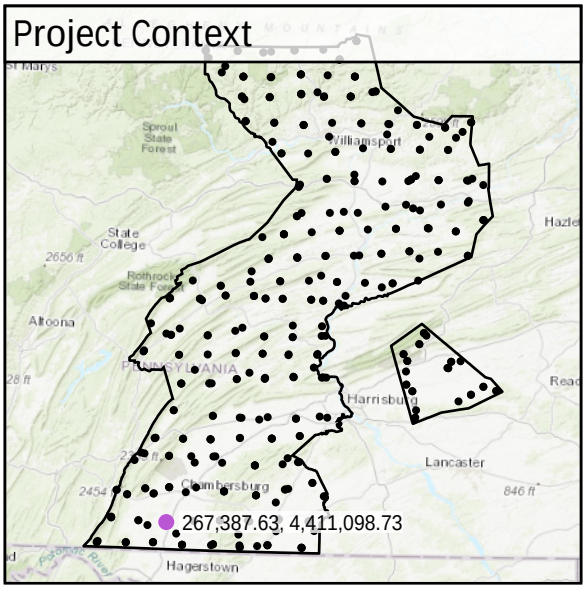
CAL - CA0131

All Points TIN Dz +0.02 m

CA0132

Known Z	172.11 m	Point Density	3.93 ppsm
DEM Dz	0.02 m	Ground Density	3.01 ppsm
All Points TIN Dz	0.03 m	Slope	1.17 °

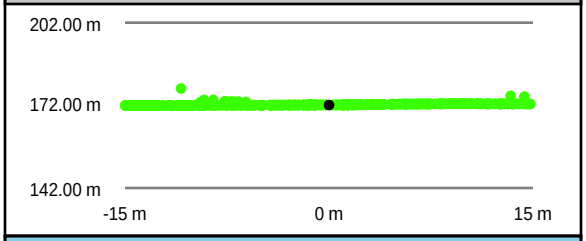
Project Context



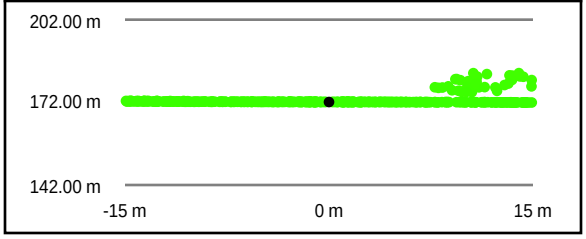
World Imagery



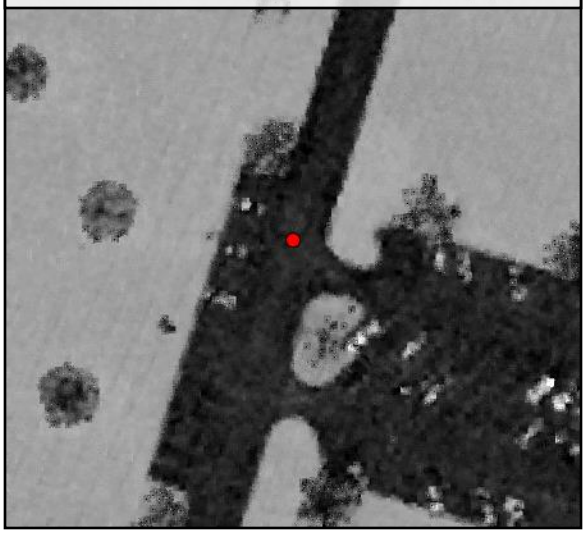
West to East



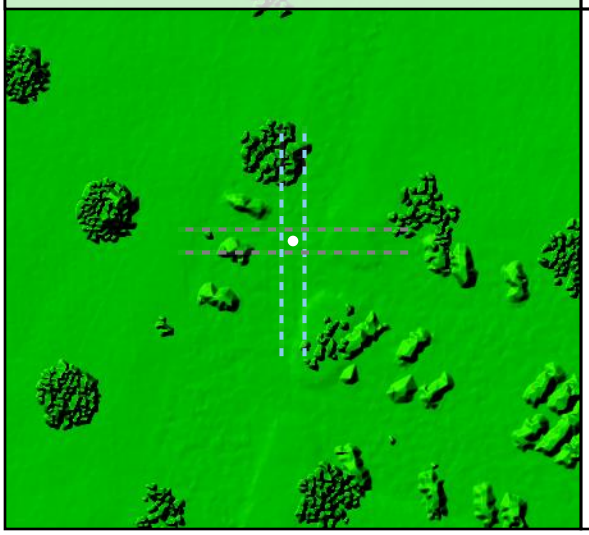
South to North



Intensity Raster



TIN Surface

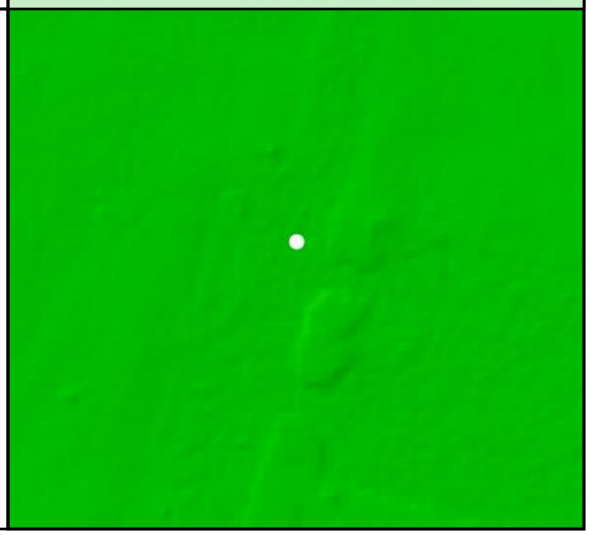


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.02 m

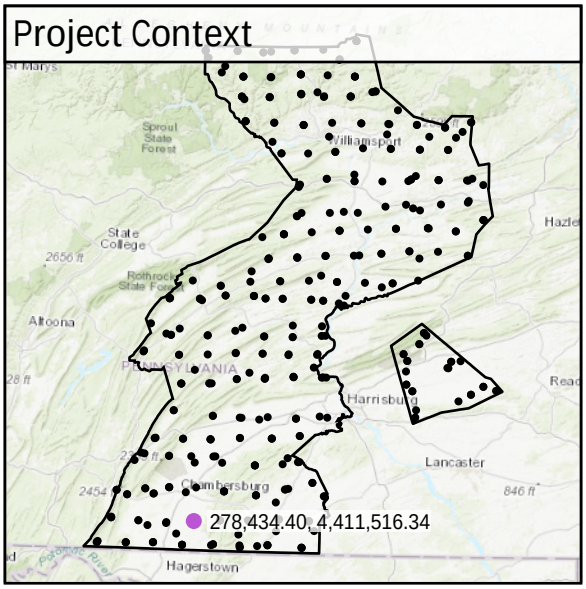
CAL - CA0132

All Points TIN Dz +0.03 m

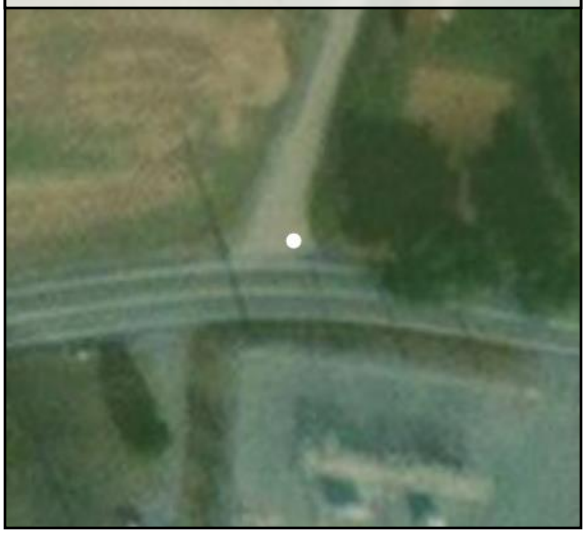
CA0133

Known Z	255.70 m	Point Density	5.69 ppsm
DEM Dz	0.03 m	Ground Density	3.40 ppsm
All Points TIN Dz	0.03 m	Slope	3.79 °

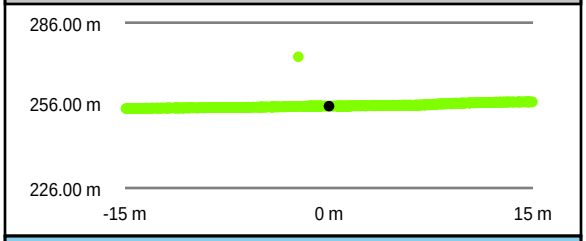
Project Context



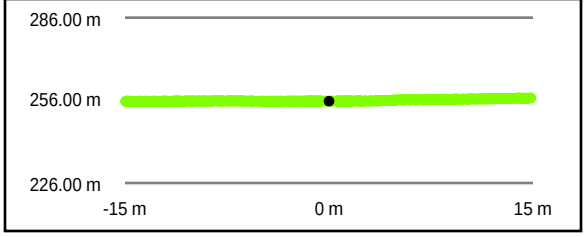
World Imagery



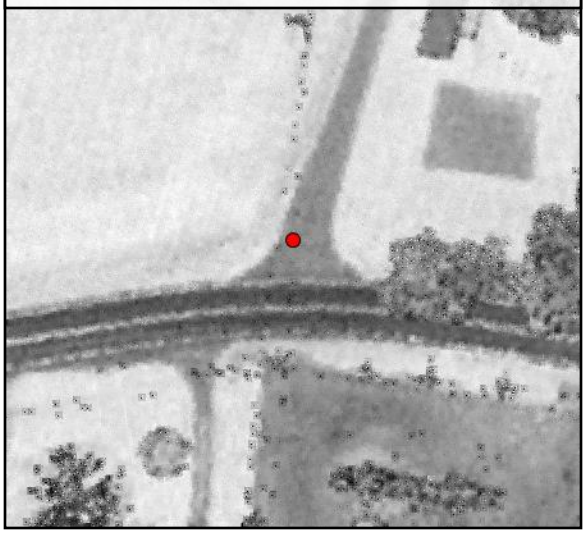
Southwest to Northeast



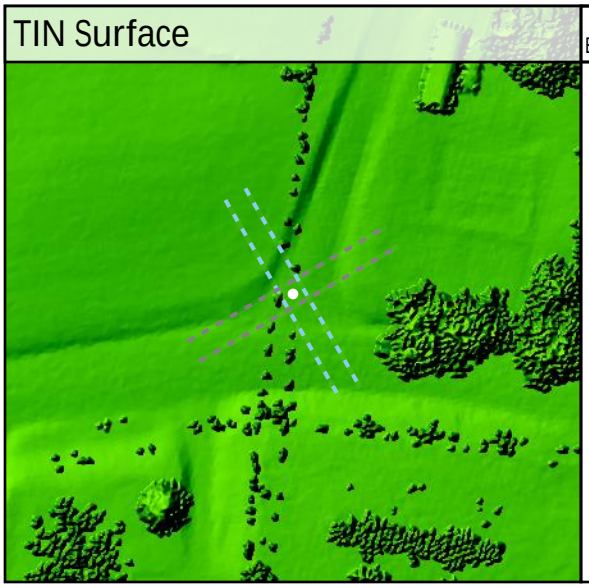
Southeast to Northwest



Intensity Raster



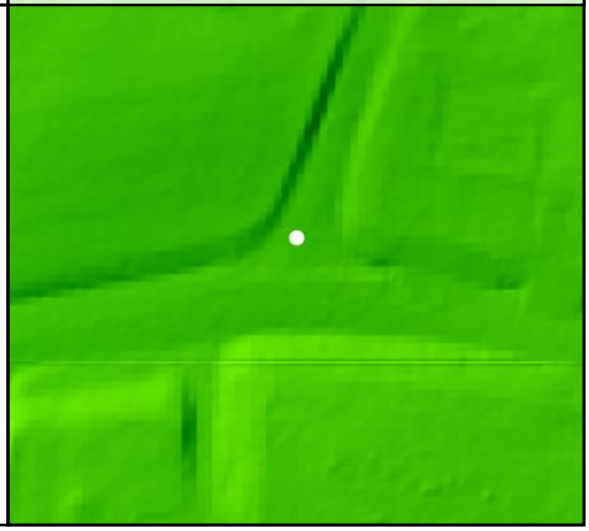
TIN Surface



Project Elevation



DEM Surface



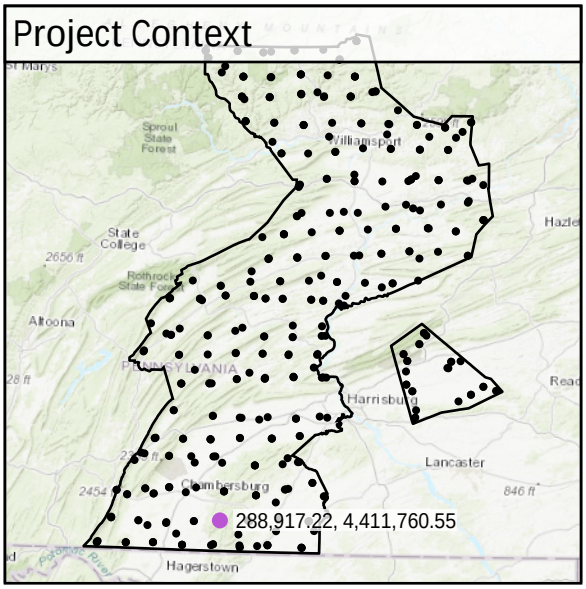
DEM Dz +0.03 m

CAL - CA0133

All Points TIN Dz +0.03 m

CA0134				
	Known Z	429.54 m	Point Density	6.12 ppsm
	DEM Dz	0.08 m	Ground Density	3.36 ppsm
	All Points TIN Dz	0.08 m	Slope	5.27 °

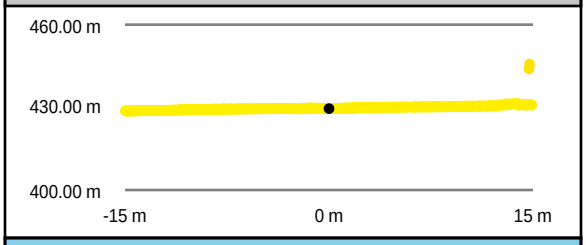
Project Context



World Imagery



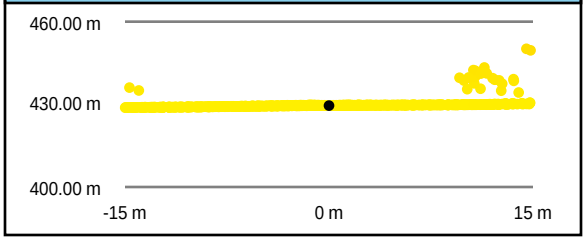
Southwest to Northeast



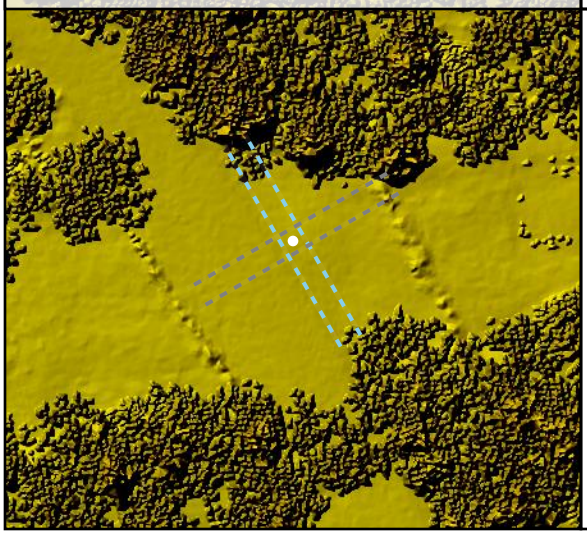
Intensity Raster



Southeast to Northwest



TIN Surface

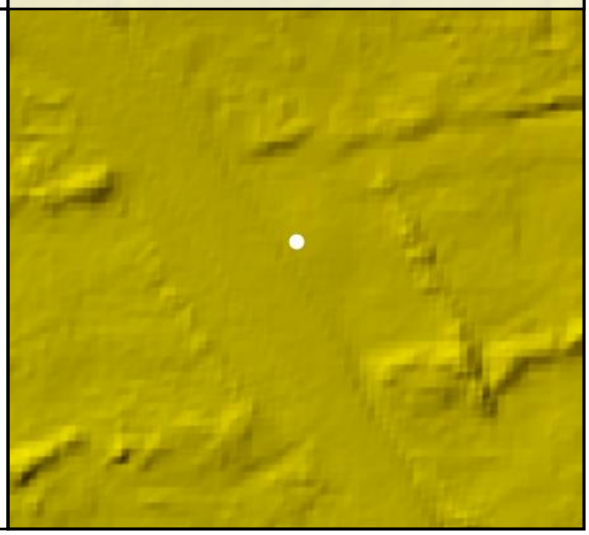


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.08 m

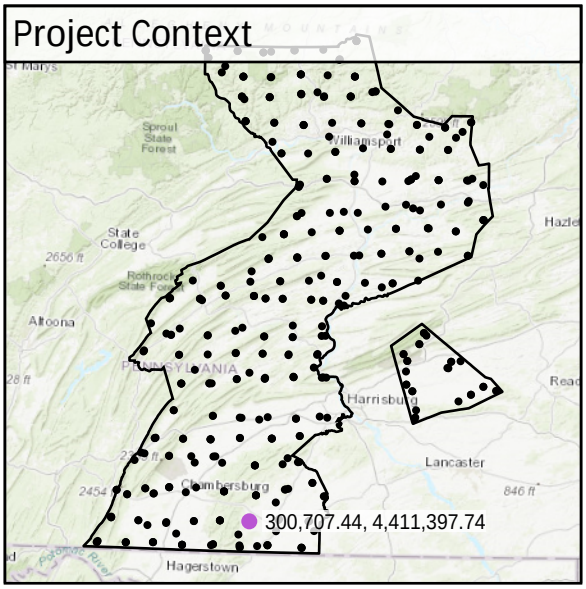
CAL - CA0134

All Points TIN Dz +0.08 m

CA0135

Known Z	190.32 m	Point Density	4.67 ppsm
DEM Dz	-0.03 m	Ground Density	3.15 ppsm
All Points TIN Dz	-0.02 m	Slope	3.74 °

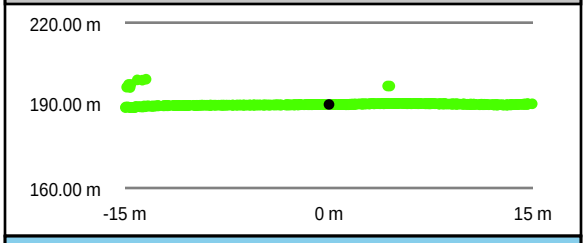
Project Context



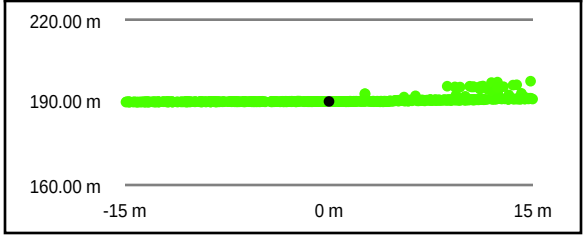
World Imagery



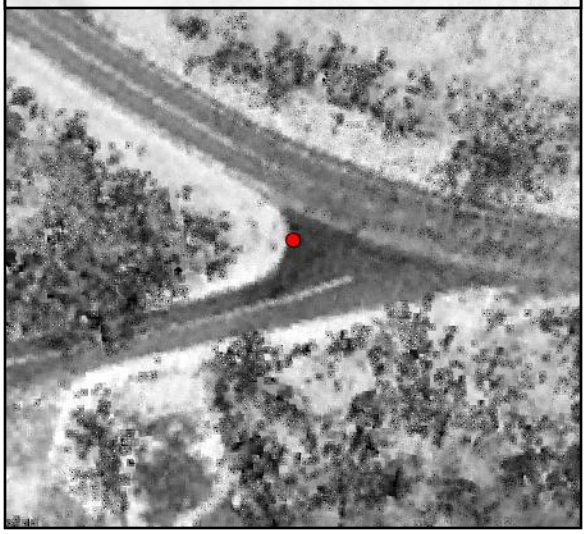
Southwest to Northeast



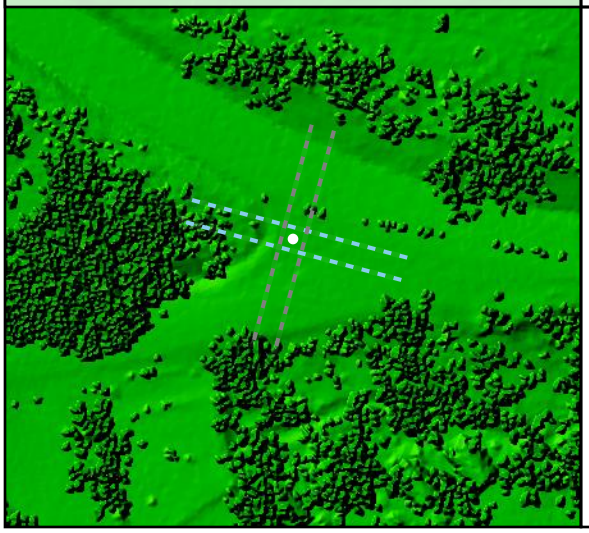
Southeast to Northwest



Intensity Raster



TIN Surface

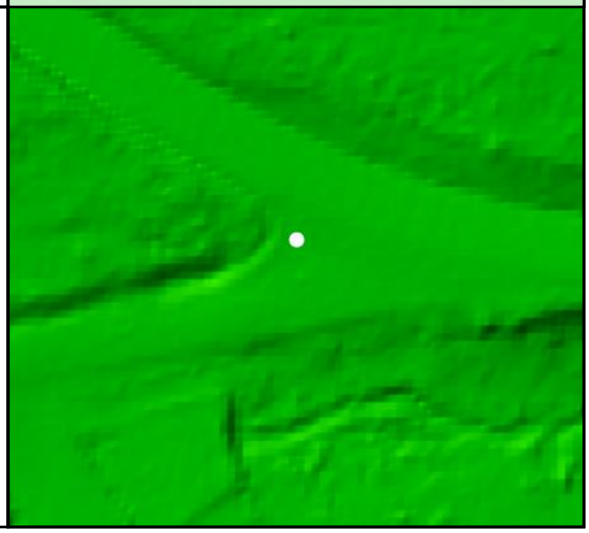


Project Elevation

716.97

103.02

DEM Surface



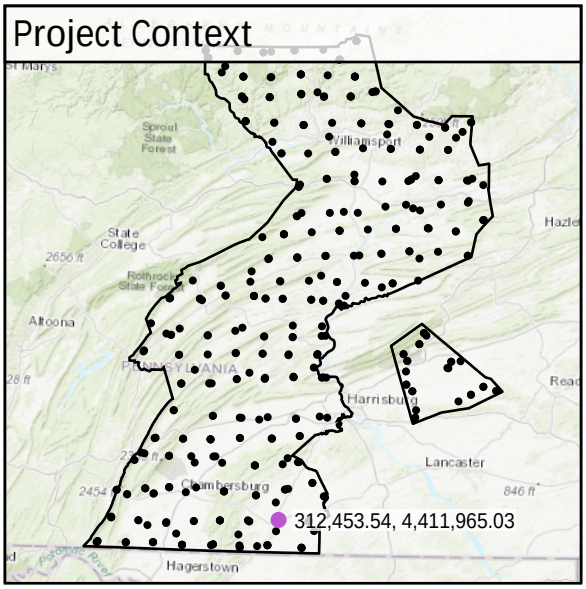
DEM Dz -0.03 m

CAL - CA0135

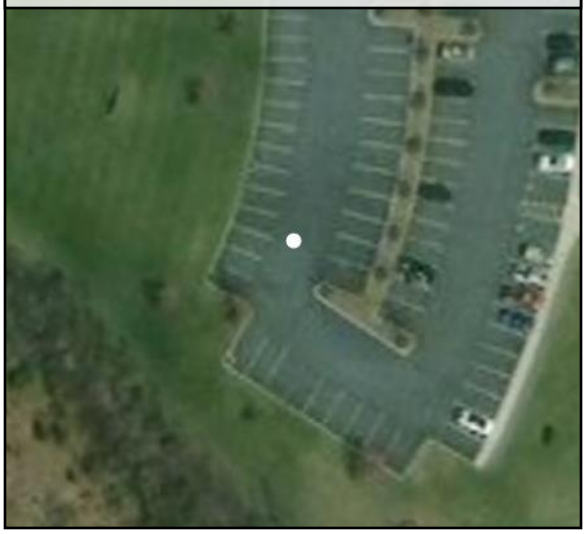
All Points TIN Dz -0.02 m

CA0136				
	Known Z	170.35 m	Point Density	5.62 ppsm
	DEM Dz	0.02 m	Ground Density	3.57 ppsm
	All Points TIN Dz	0.02 m	Slope	2.49 °

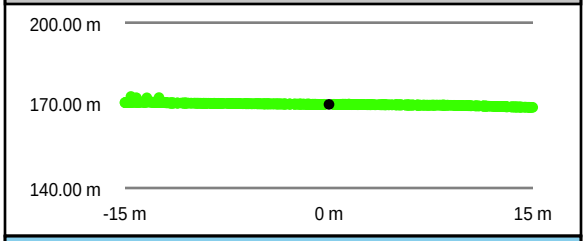
Project Context



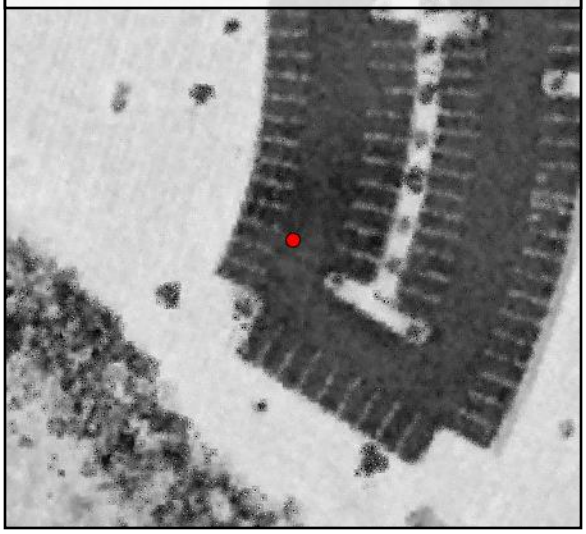
World Imagery



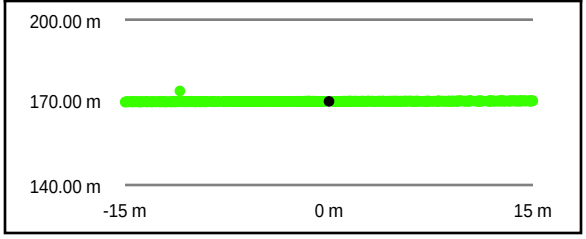
Southeast to Northwest



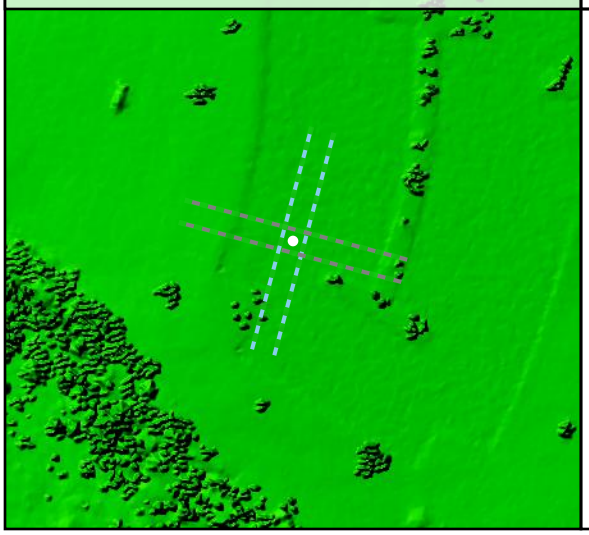
Intensity Raster



Southwest to Northeast



TIN Surface

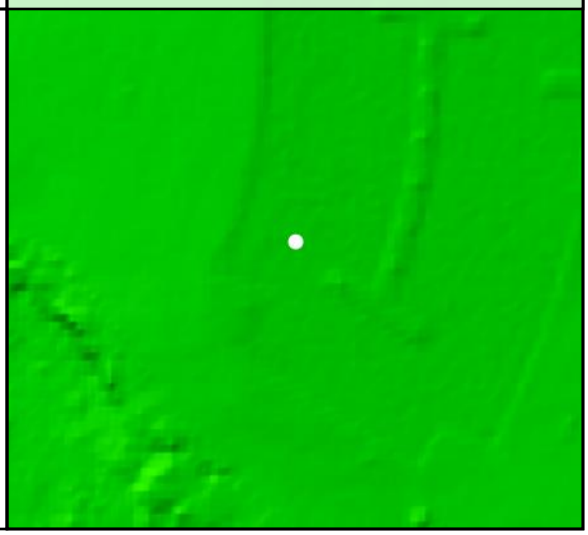


Project Elevation

716.97

103.02

DEM Surface



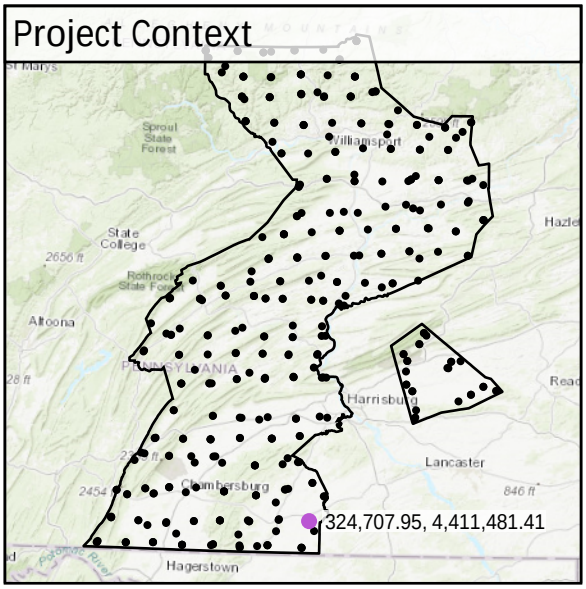
DEM Dz +0.02 m

CAL - CA0136

All Points TIN Dz +0.02 m

CA0137				
	Known Z	167.05 m	Point Density	5.31 ppsm
	DEM Dz	-0.01 m	Ground Density	2.33 ppsm
	All Points TIN Dz	-0.01 m	Slope	2.54 °

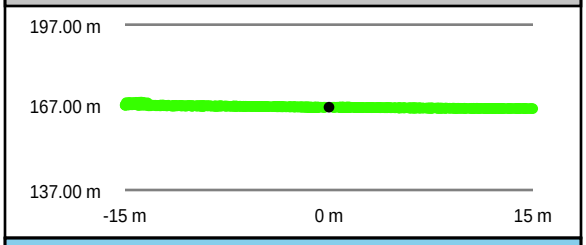
Project Context



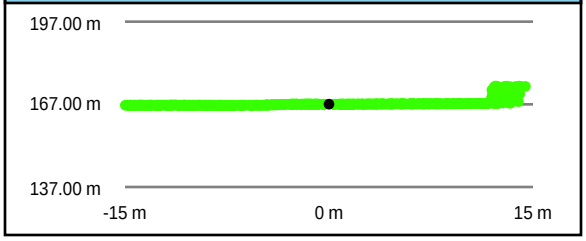
World Imagery



Southeast to Northwest



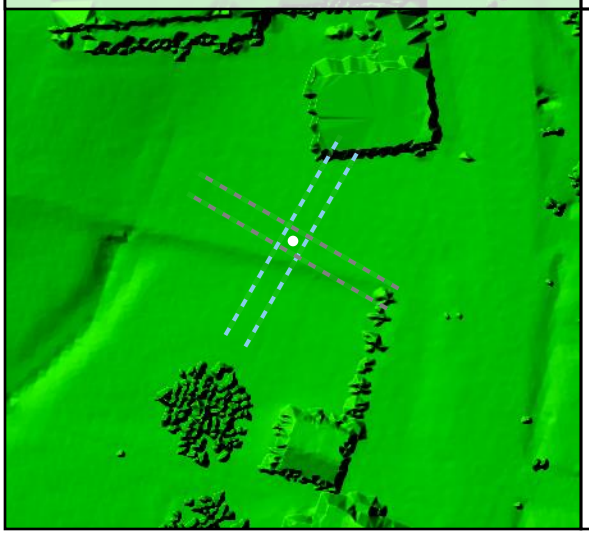
Southwest to Northeast



Intensity Raster



TIN Surface

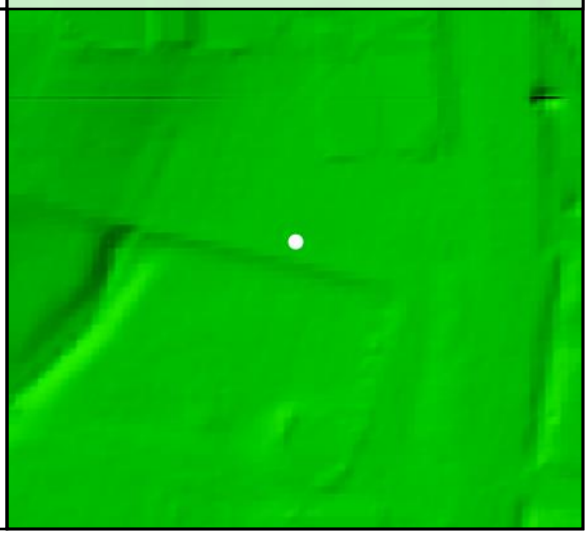


Project Elevation

716.97

103.02

DEM Surface



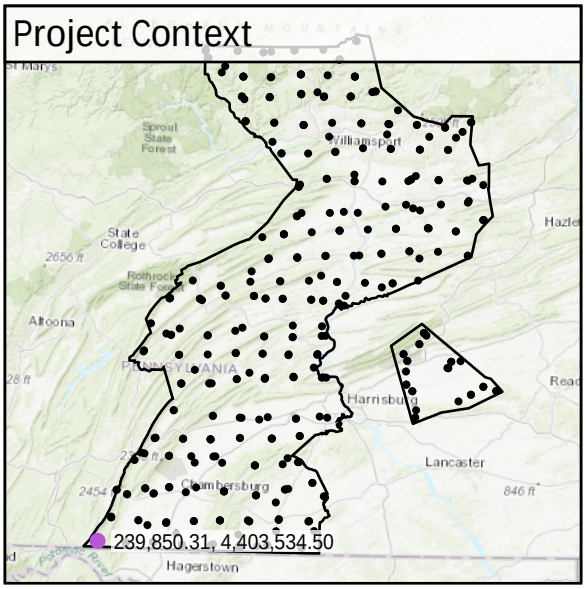
DEM Dz -0.01 m

CAL - CA0137

All Points TIN Dz -0.01 m

CA0138				
	Known Z	160.73 m	Point Density	5.31 ppsm
	DEM Dz	0.05 m	Ground Density	3.04 ppsm
	All Points TIN Dz	0.05 m	Slope	4.43 °

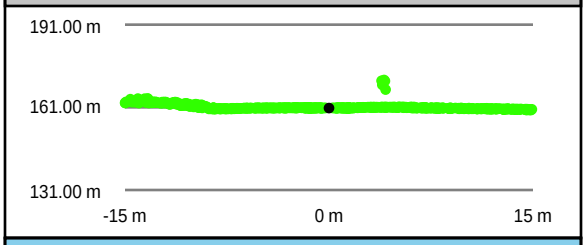
Project Context



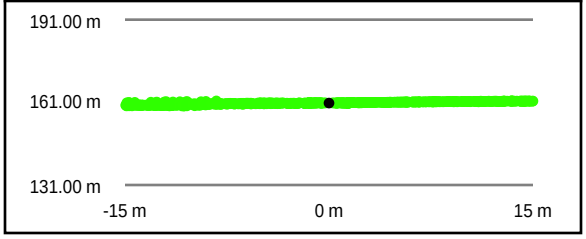
World Imagery



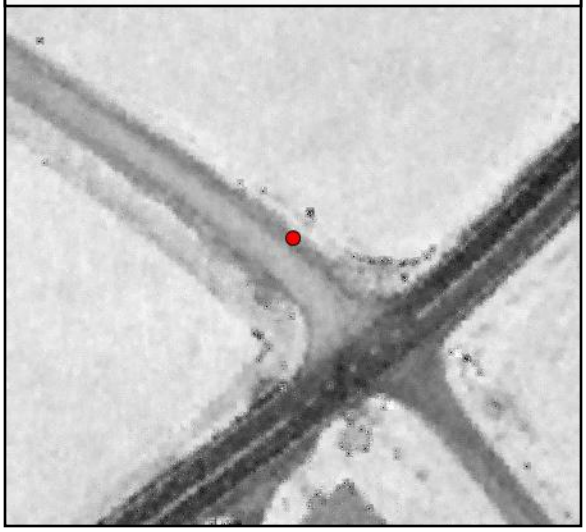
Southwest to Northeast



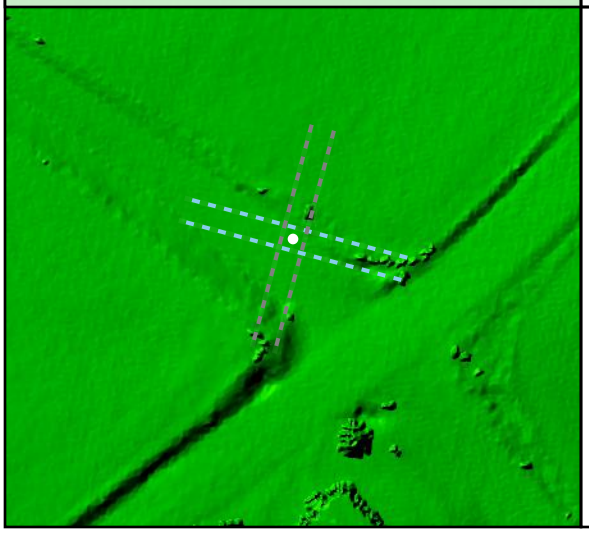
Southeast to Northwest



Intensity Raster



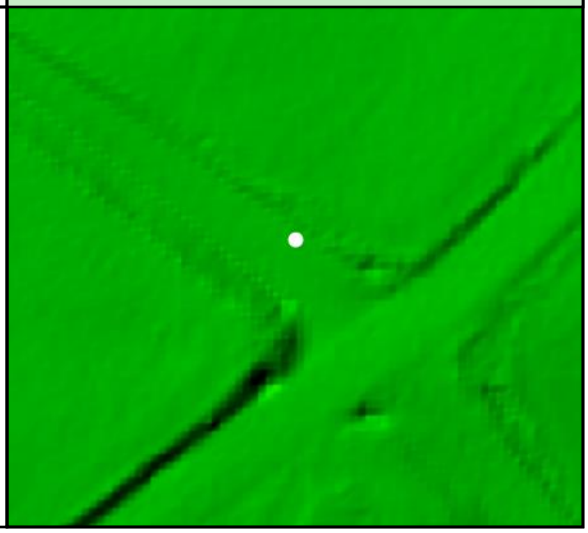
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.05 m

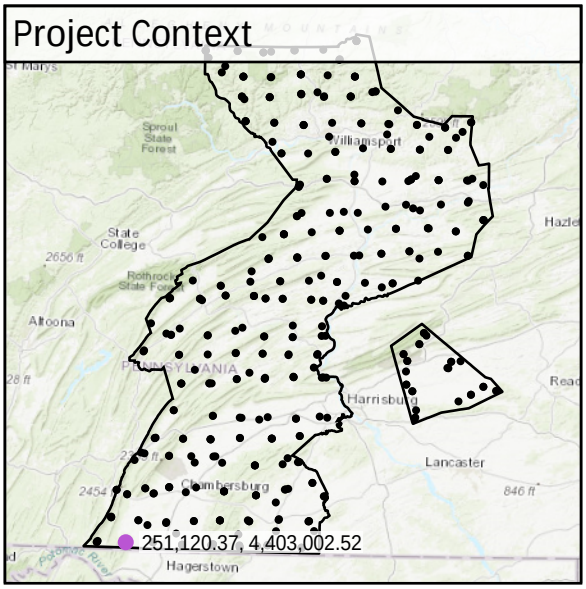
CAL - CA0138

All Points TIN Dz +0.05 m

CA0139

Known Z	247.13 m	Point Density	4.92 ppsm
DEM Dz	0.01 m	Ground Density	2.90 ppsm
All Points TIN Dz	0.01 m	Slope	5.36 °

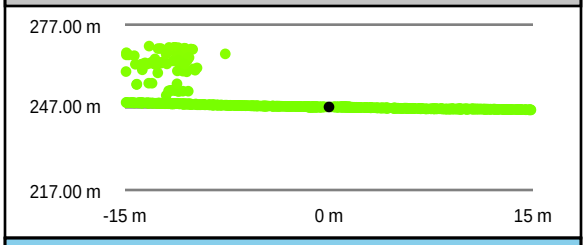
Project Context



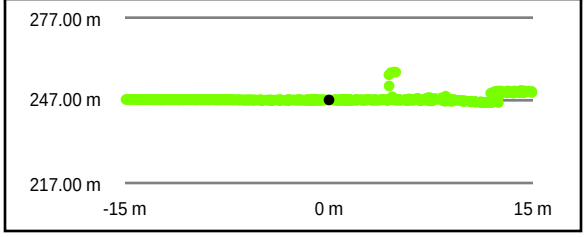
World Imagery



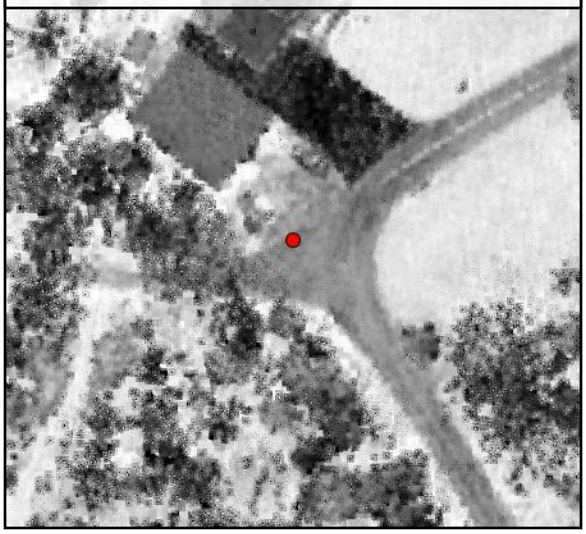
Southwest to Northeast



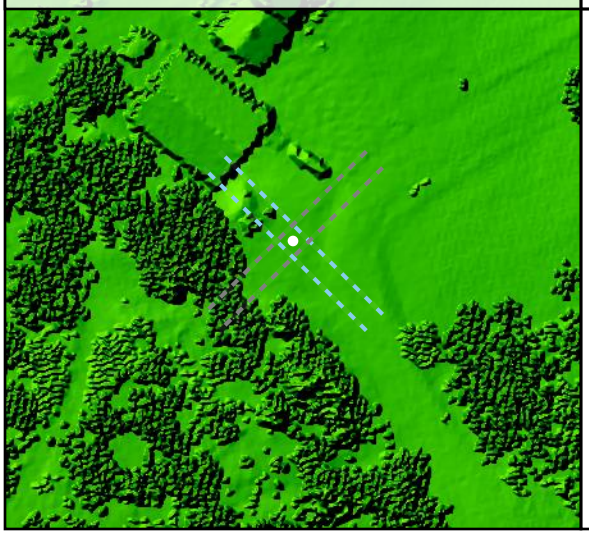
Southeast to Northwest



Intensity Raster



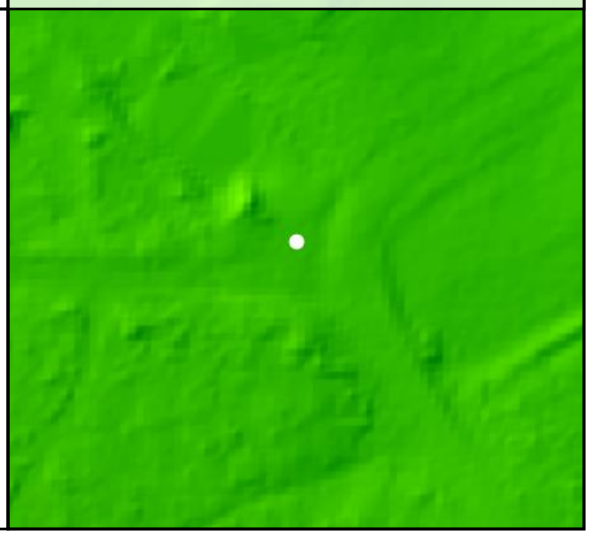
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.01 m

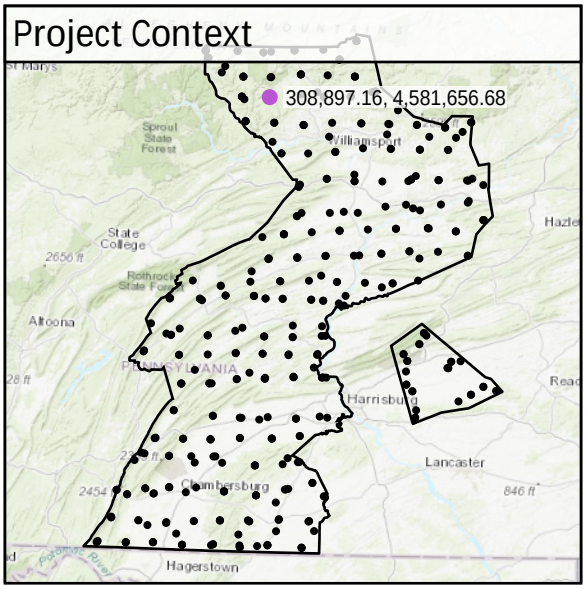
CAL - CA0139

All Points TIN Dz +0.01 m

CA014

Known Z	588.89 m	Point Density	6.30 ppsm
DEM Dz	0.02 m	Ground Density	3.36 ppsm
All Points TIN Dz	0.03 m	Slope	0.22 °

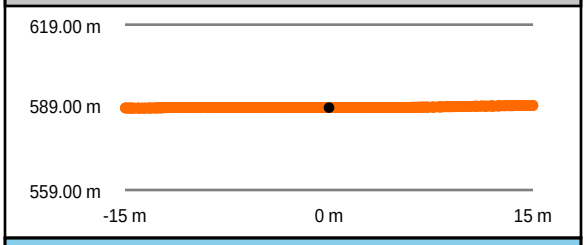
Project Context



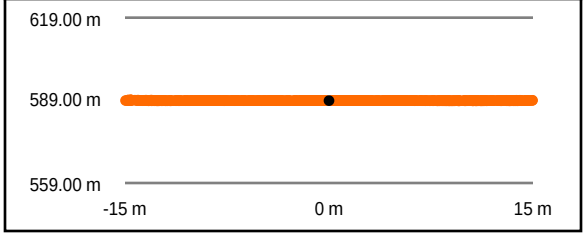
World Imagery



Southeast to Northwest



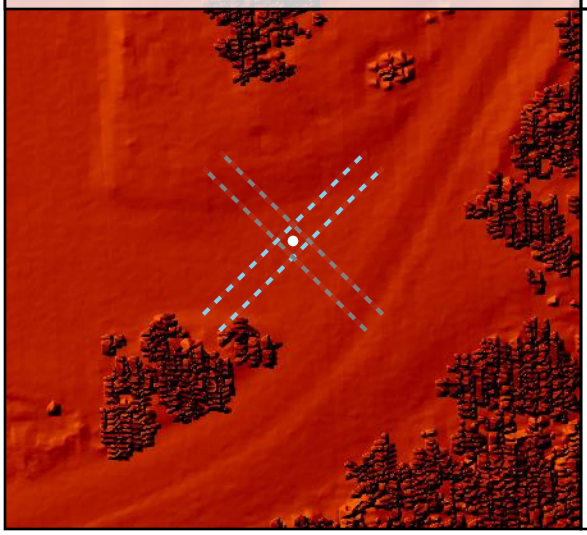
Southwest to Northeast



Intensity Raster



TIN Surface

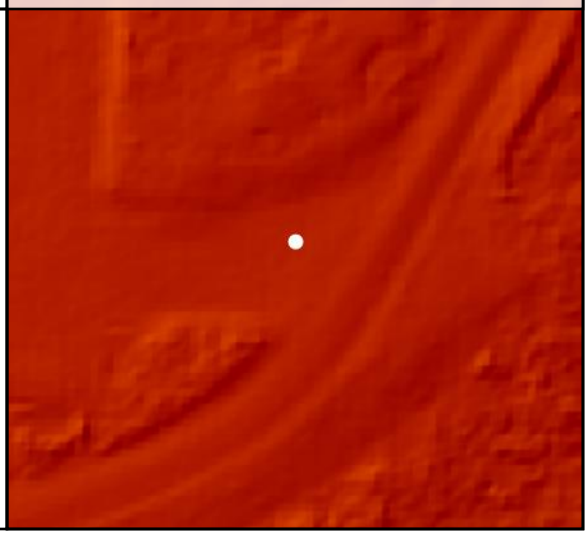


Project Elevation

716.97

103.02

DEM Surface



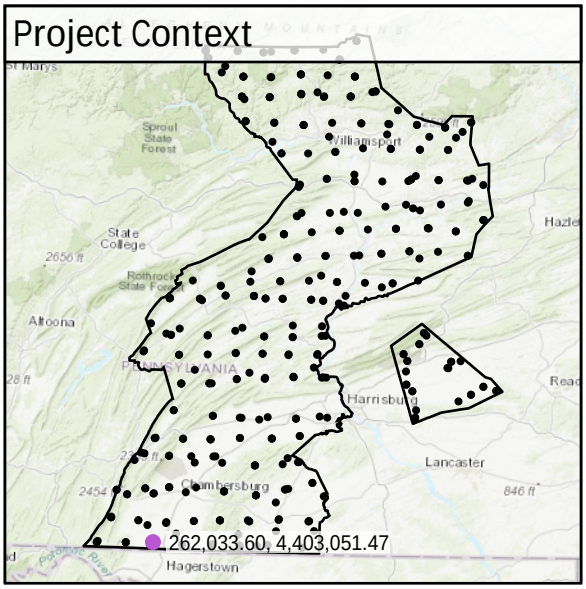
DEM Dz +0.02 m

CAL - CA014

All Points TIN Dz +0.03 m

CA0140				
	Known Z	177.46 m	Point Density	4.95 ppsm
	DEM Dz	-0.03 m	Ground Density	2.69 ppsm
	All Points TIN Dz	-0.03 m	Slope	0.63 °

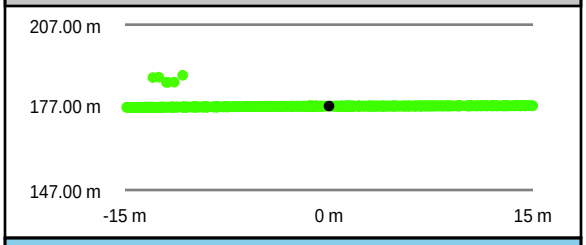
Project Context



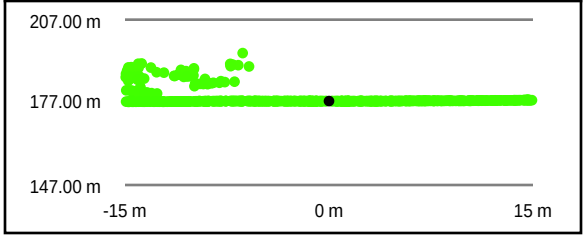
World Imagery



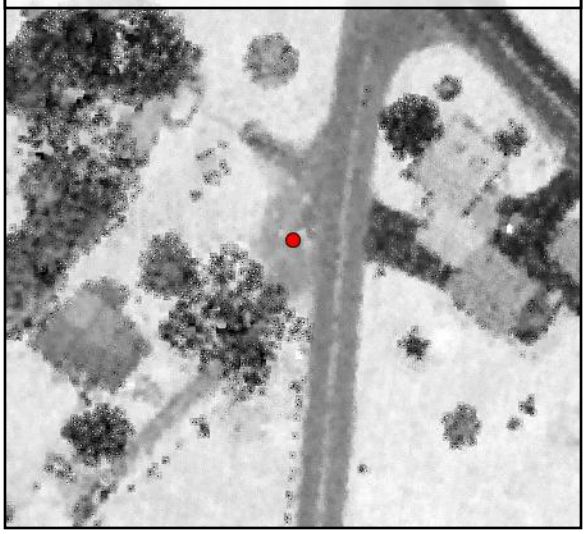
Southeast to Northwest



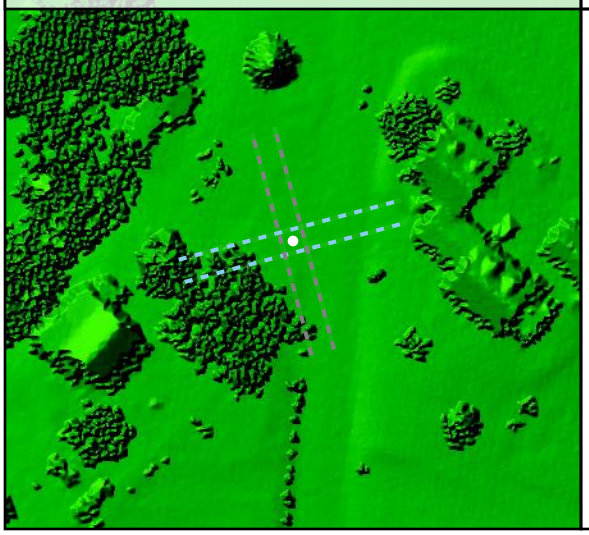
Southwest to Northeast



Intensity Raster



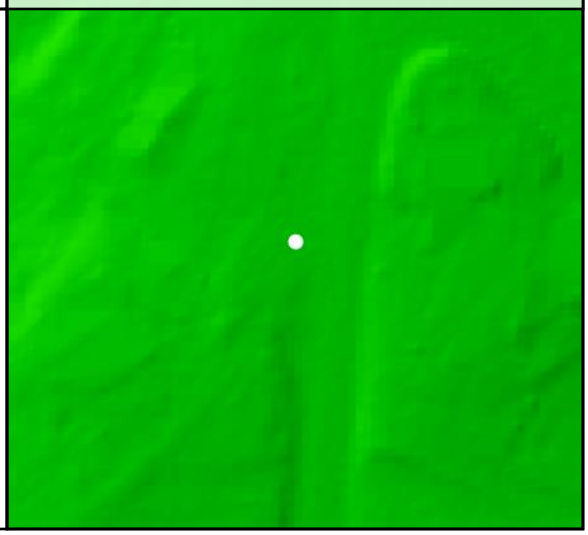
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.03 m

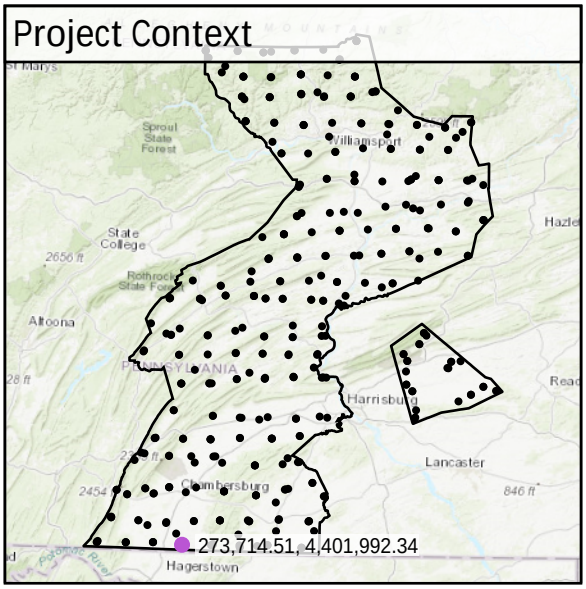
CAL - CA0140

All Points TIN Dz -0.03 m

CA0141

Known Z	203.14 m	Point Density	3.11 ppsm
DEM Dz	-0.02 m	Ground Density	3.11 ppsm
All Points TIN Dz	-0.01 m	Slope	0.69 °

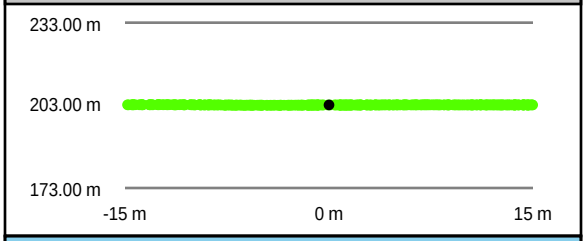
Project Context



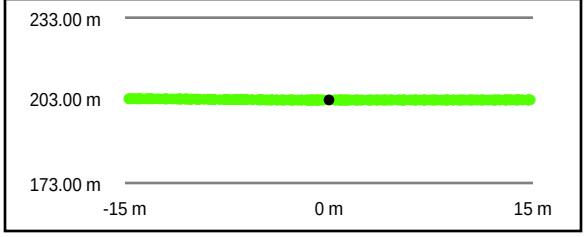
World Imagery



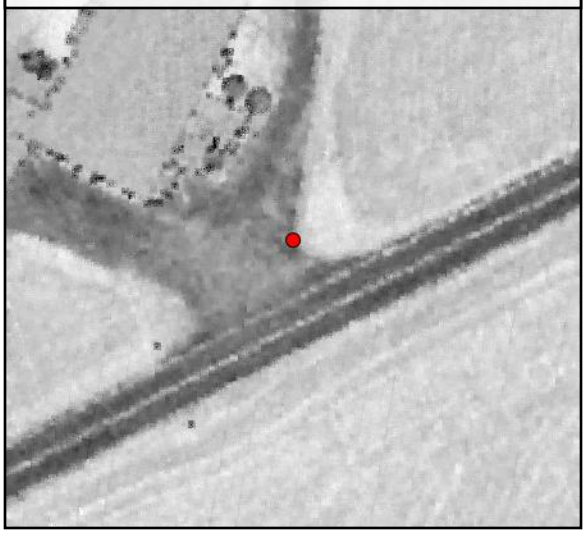
Southwest to Northeast



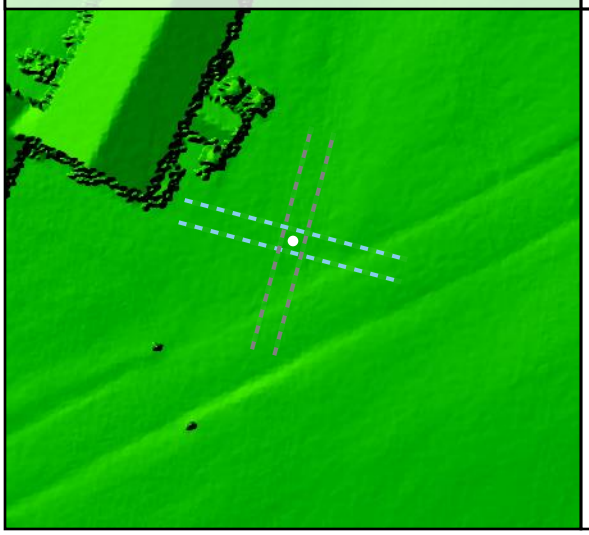
Southeast to Northwest



Intensity Raster



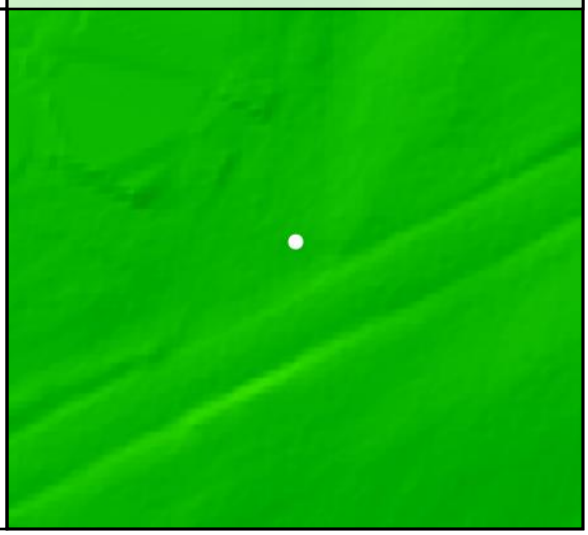
TIN Surface



Project Elevation



DEM Surface



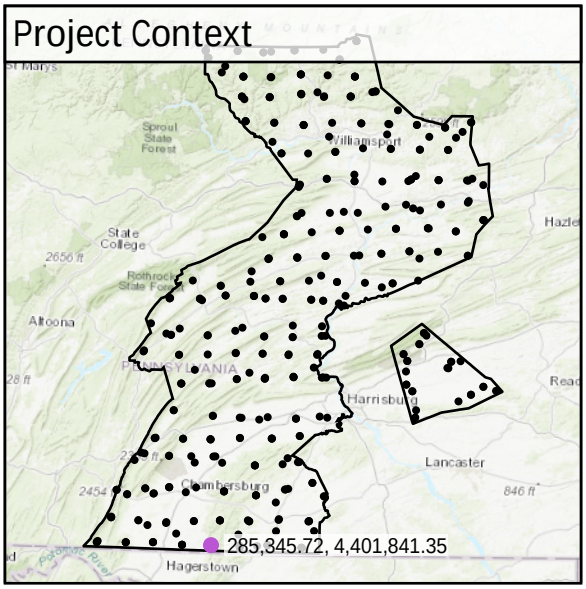
DEM Dz -0.02 m

CAL - CA0141

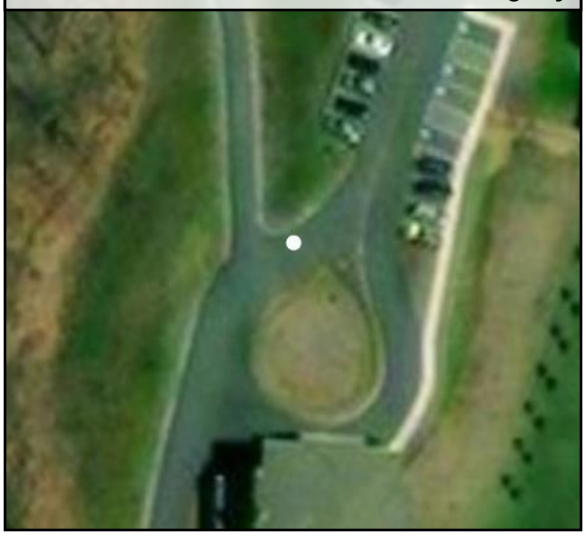
All Points TIN Dz -0.01 m

CA0142				
	Known Z	306.33 m	Point Density	5.69 ppsm
	DEM Dz	-0.05 m	Ground Density	3.08 ppsm
	All Points TIN Dz	-0.04 m	Slope	4.12 °

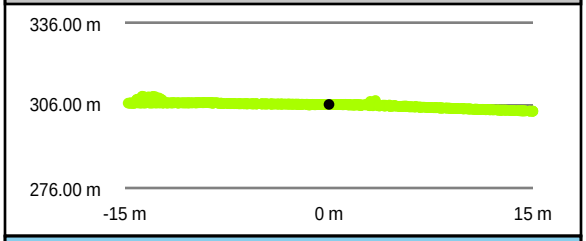
Project Context



World Imagery



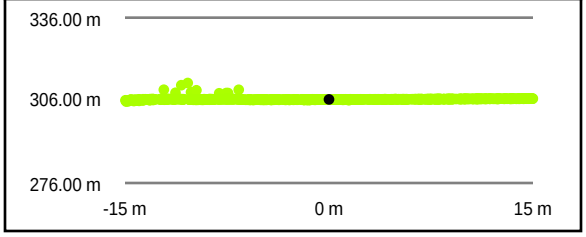
Southeast to Northwest



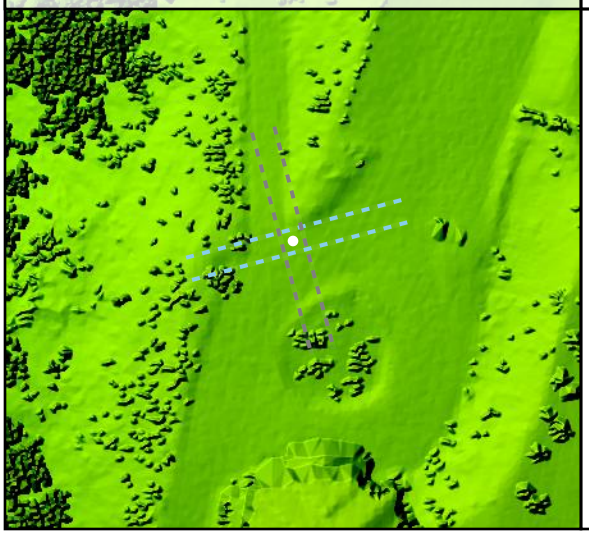
Intensity Raster



Southwest to Northeast



TIN Surface

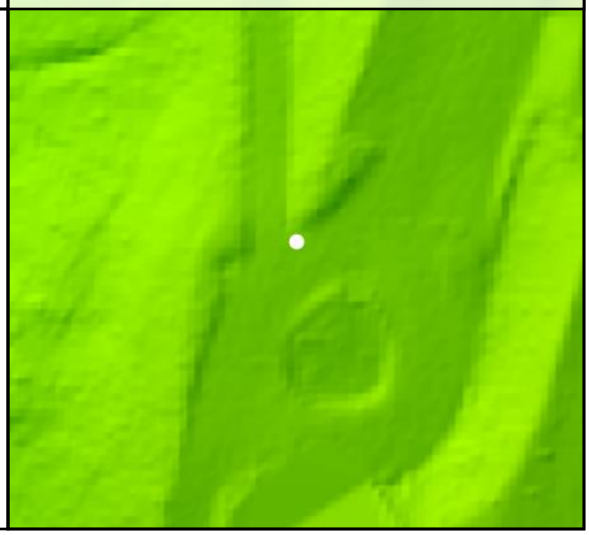


Project Elevation

716.97

103.02

DEM Surface



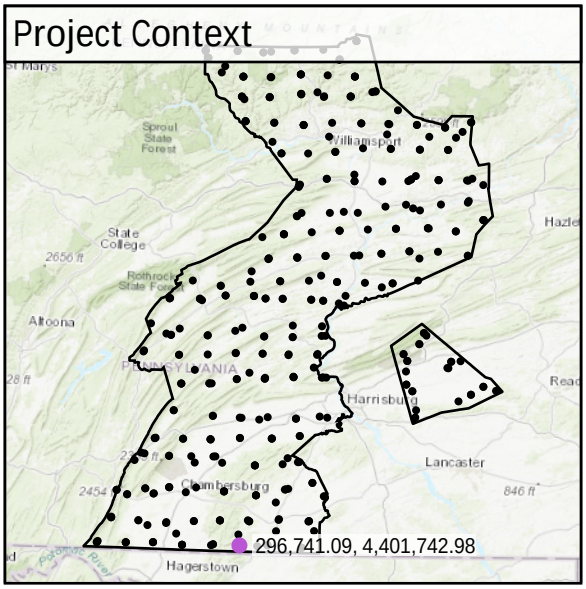
DEM Dz -0.05 m

CAL - CA0142

All Points TIN Dz -0.04 m

CA0143				
	Known Z	154.97 m	Point Density	3.08 ppsm
	DEM Dz	-0.01 m	Ground Density	3.08 ppsm
	All Points TIN Dz	-0.03 m	Slope	2.10 °

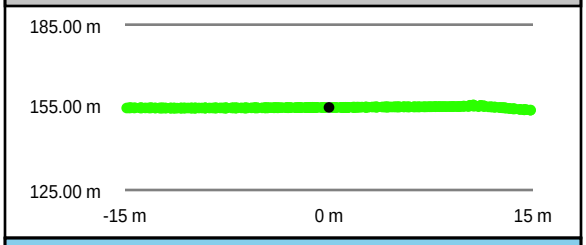
Project Context



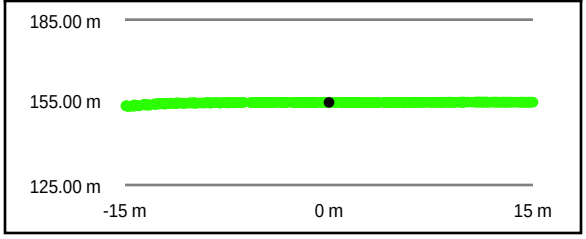
World Imagery



Southwest to Northeast



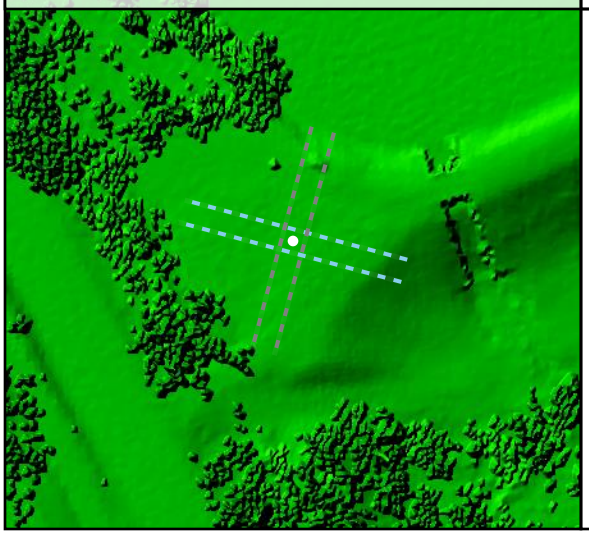
Southeast to Northwest



Intensity Raster



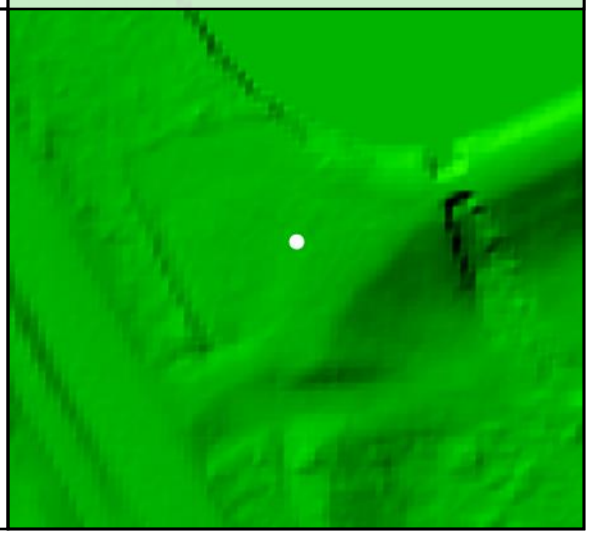
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.01 m

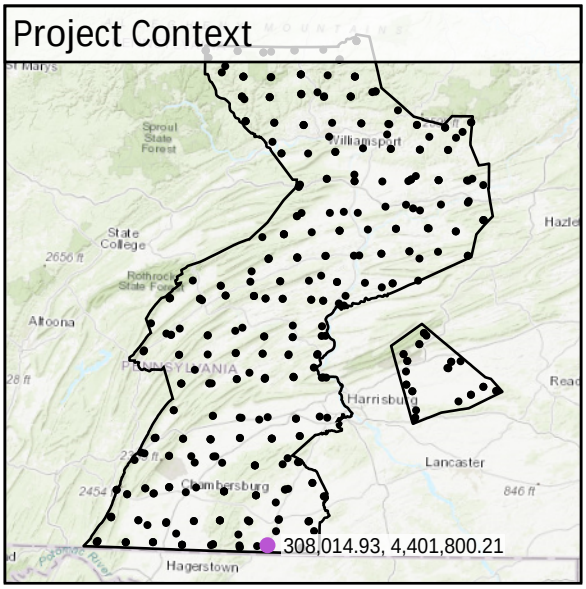
CAL - CA0143

All Points TIN Dz -0.03 m

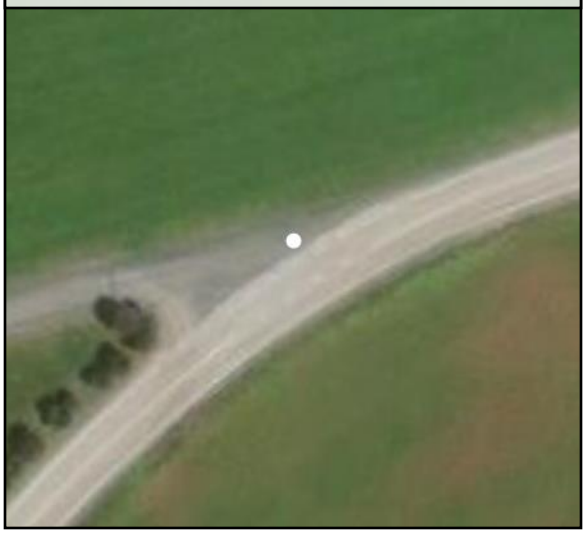
CA0144

Known Z	129.78 m	Point Density	5.52 ppsm
DEM Dz	-0.03 m	Ground Density	2.90 ppsm
All Points TIN Dz	-0.03 m	Slope	2.27 °

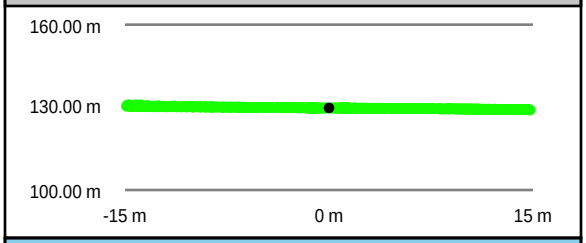
Project Context



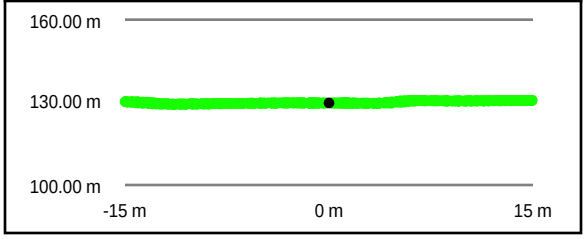
World Imagery



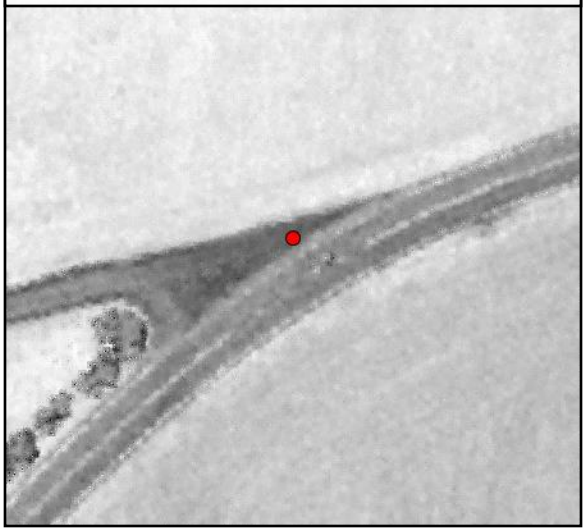
West to East



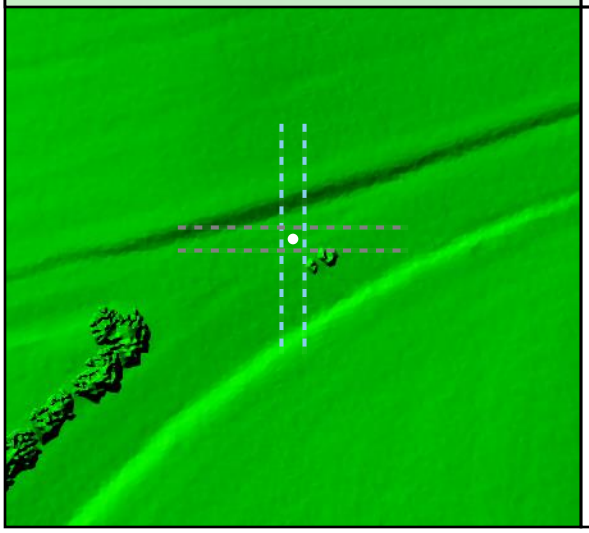
South to North



Intensity Raster



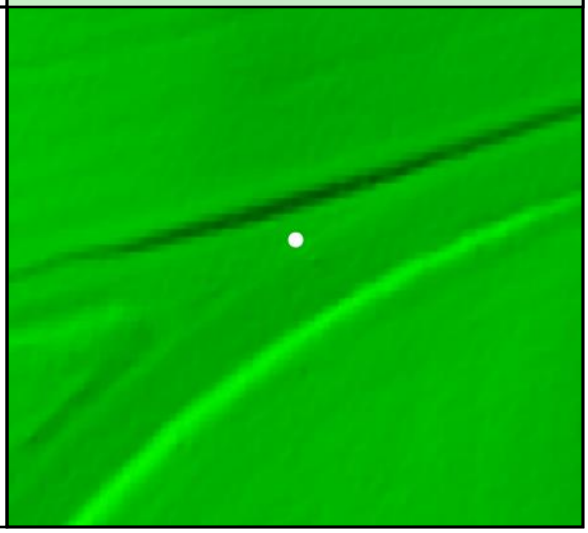
TIN Surface



Project Elevation



DEM Surface



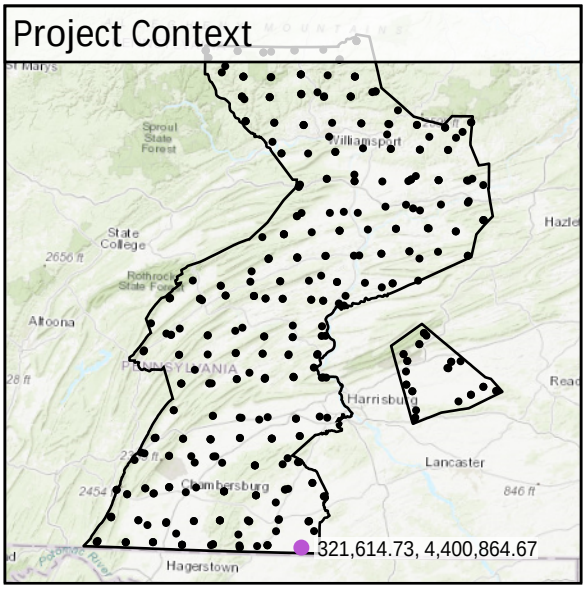
DEM Dz -0.03 m

CAL - CA0144

All Points TIN Dz -0.03 m

CA0145				
	Known Z	177.11 m	Point Density	5.13 ppsm
	DEM Dz	-0.01 m	Ground Density	2.83 ppsm
	All Points TIN Dz	-0.01 m	Slope	1.17 °

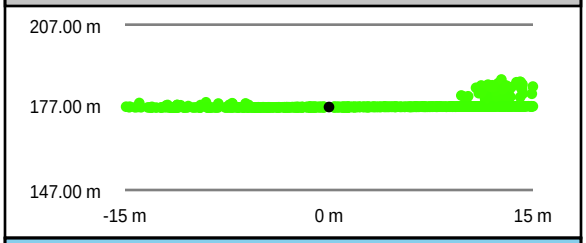
Project Context



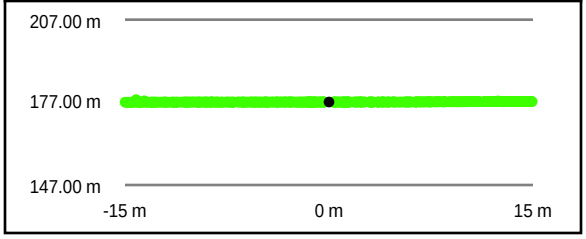
World Imagery



Southwest to Northeast



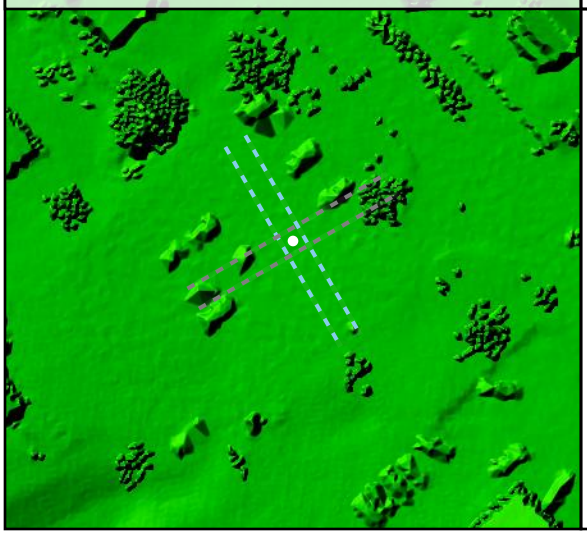
Southeast to Northwest



Intensity Raster



TIN Surface

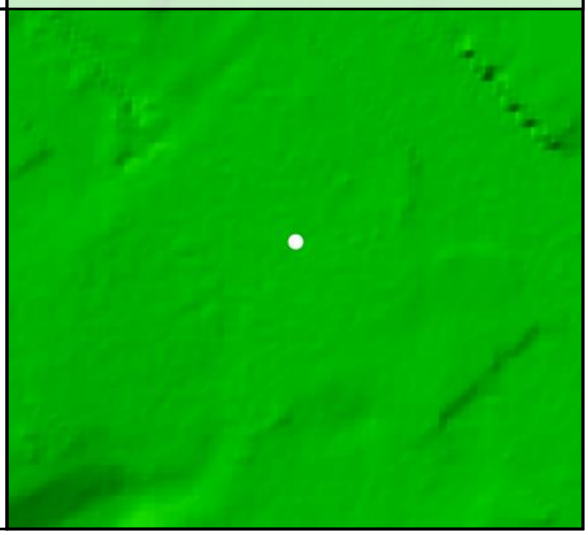


Project Elevation

716.97

103.02

DEM Surface



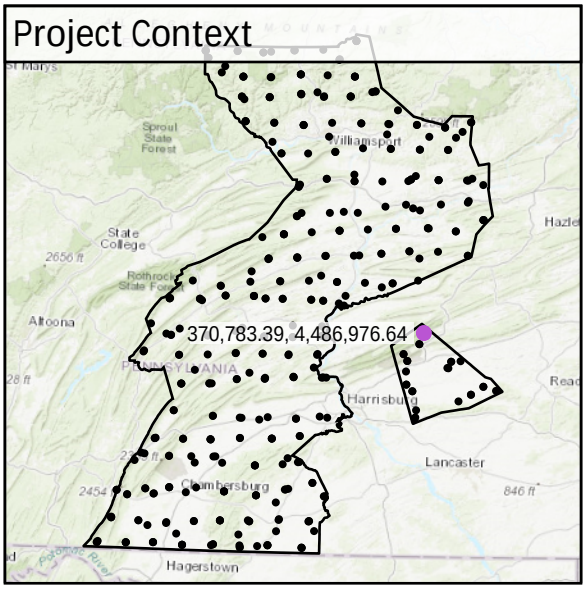
DEM Dz -0.01 m

CAL - CA0145

All Points TIN Dz -0.01 m

CA0146				
	Known Z	279.04 m	Point Density	4.21 ppsm
	DEM Dz	-0.04 m	Ground Density	3.25 ppsm
	All Points TIN Dz	-0.05 m	Slope	8.78 °

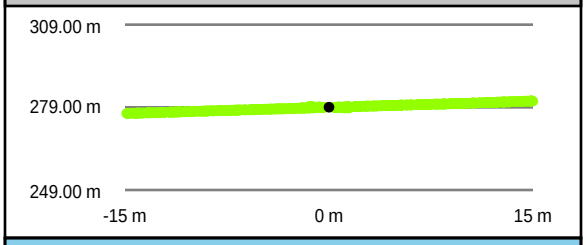
Project Context



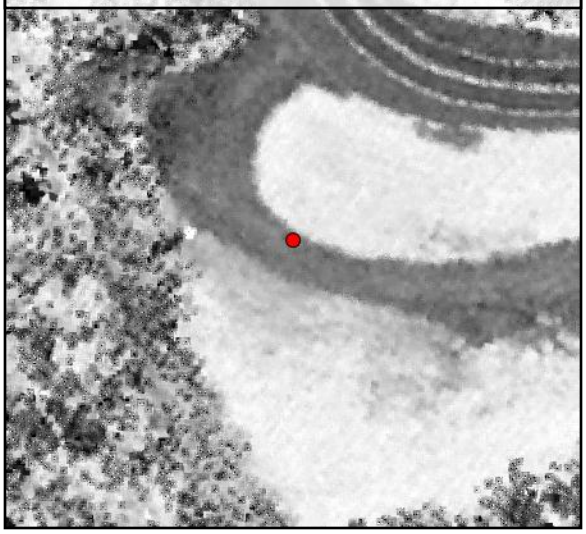
World Imagery



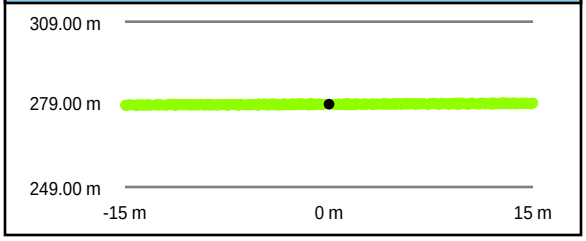
Southeast to Northwest



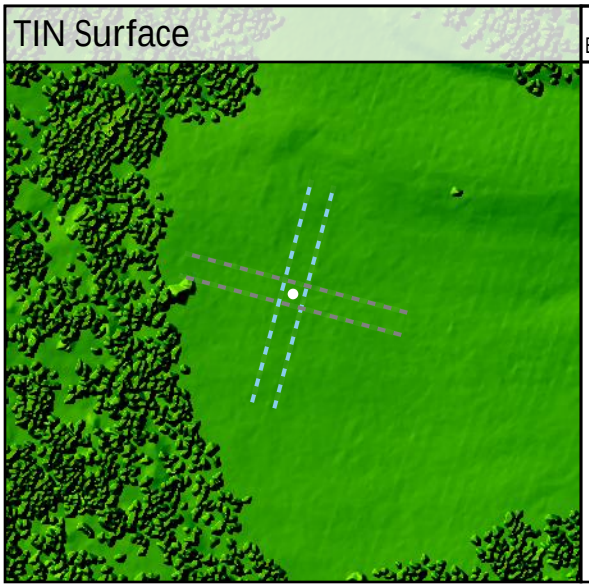
Intensity Raster



Southwest to Northeast



TIN Surface

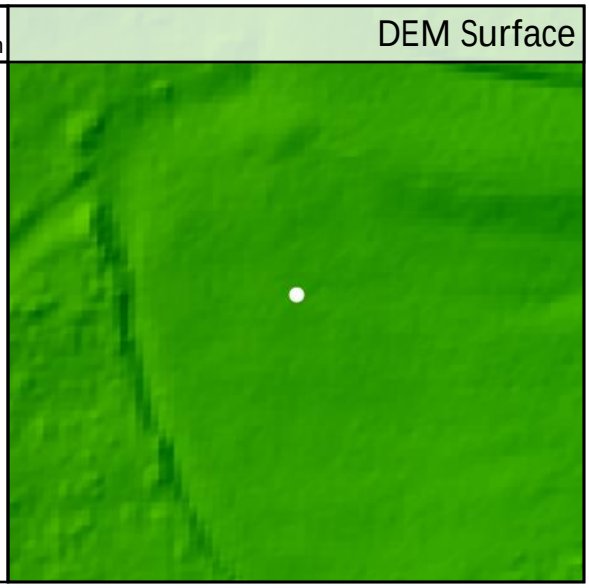


Project Elevation

716.97

103.02

DEM Surface



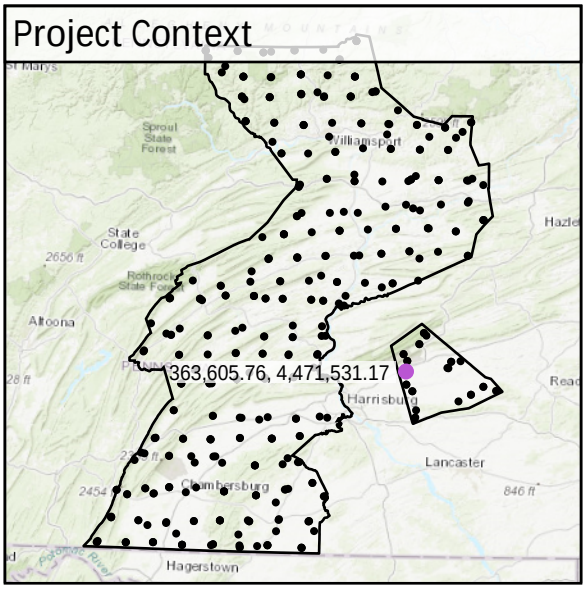
DEM Dz -0.04 m

CAL - CA0146

All Points TIN Dz -0.05 m

CA0147				
	Known Z	146.60 m	Point Density	3.22 ppsm
	DEM Dz	-0.02 m	Ground Density	3.22 ppsm
	All Points TIN Dz	-0.02 m	Slope	2.18 °

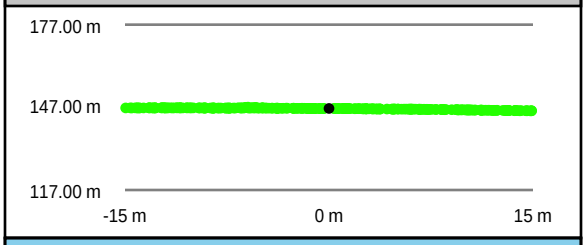
Project Context



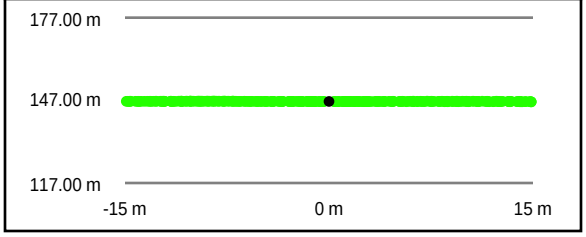
World Imagery



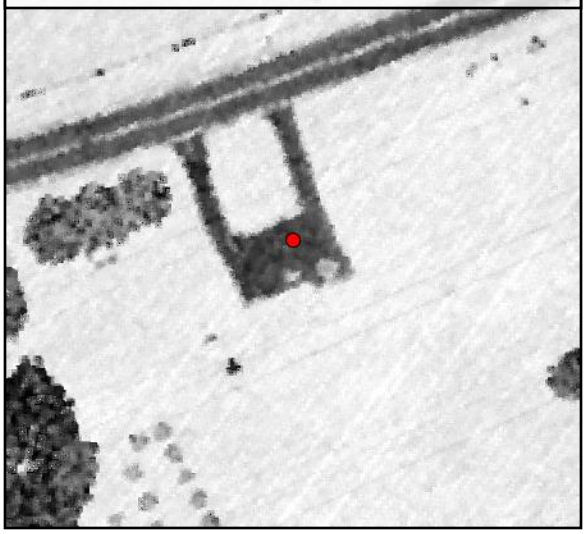
Southeast to Northwest



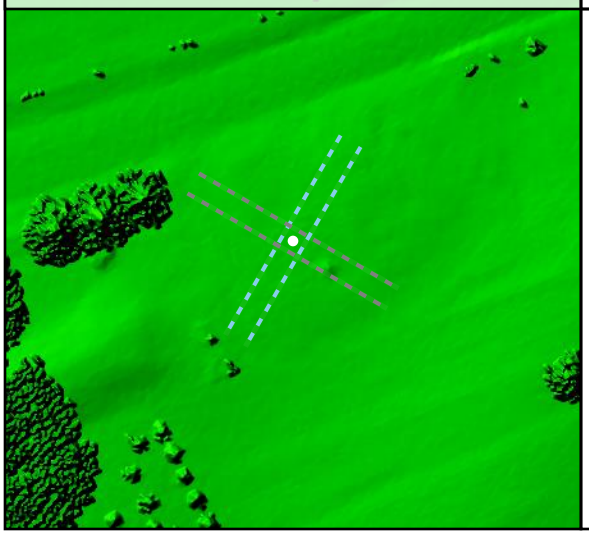
Southwest to Northeast



Intensity Raster



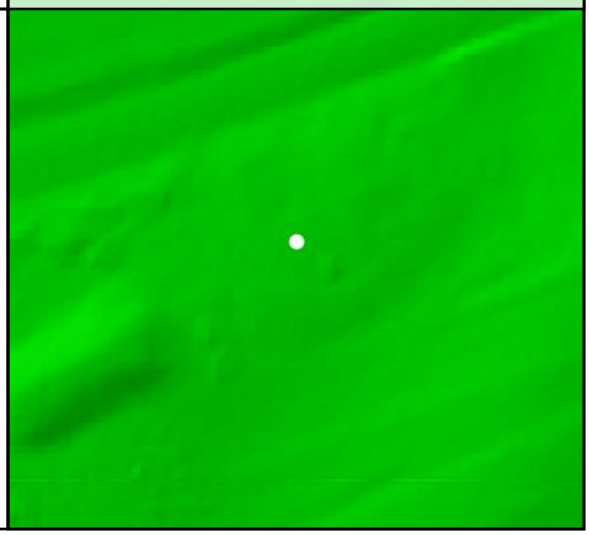
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.02 m

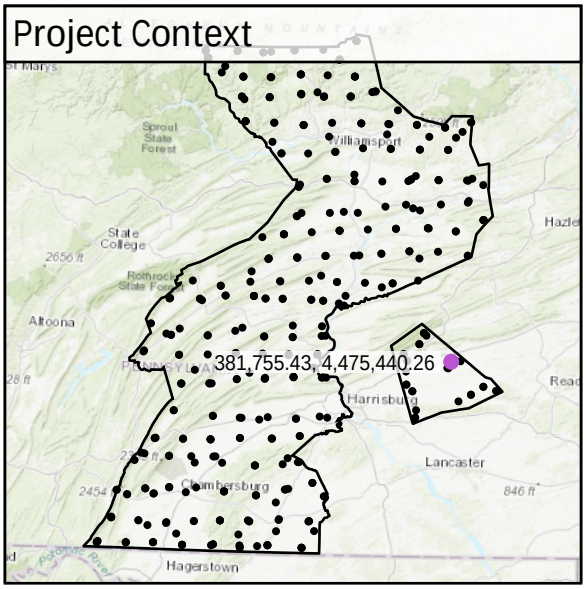
CAL - CA0147

All Points TIN Dz -0.02 m

CA0148

Known Z	145.42 m	Point Density	5.76 ppsm
DEM Dz	0.02 m	Ground Density	2.79 ppsm
All Points TIN Dz	0.02 m	Slope	0.95 °

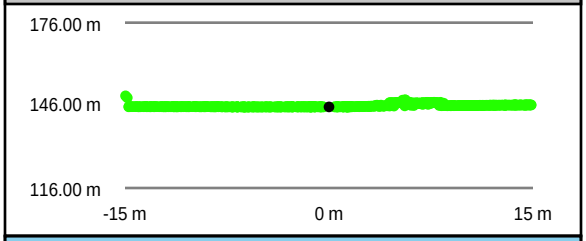
Project Context



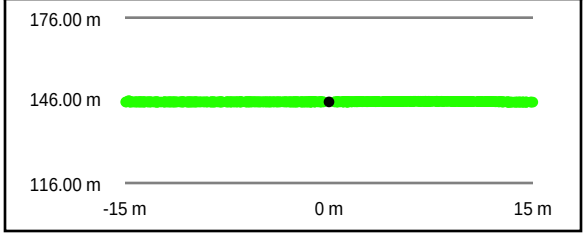
World Imagery



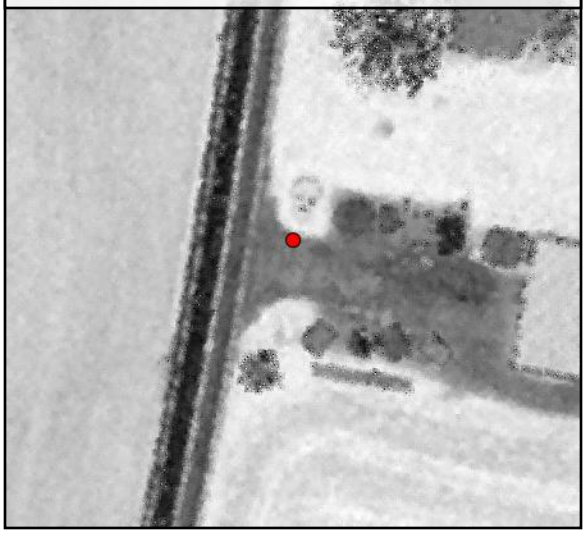
Southwest to Northeast



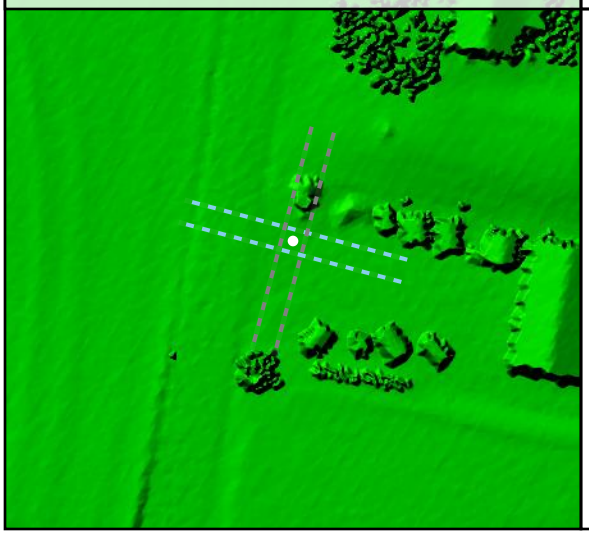
Southeast to Northwest



Intensity Raster



TIN Surface

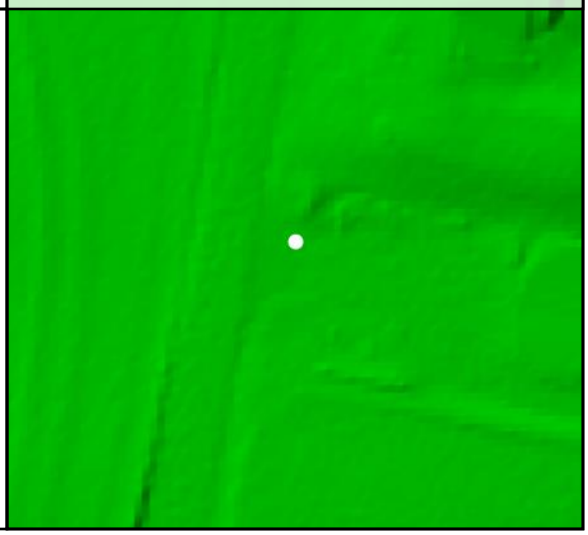


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.02 m

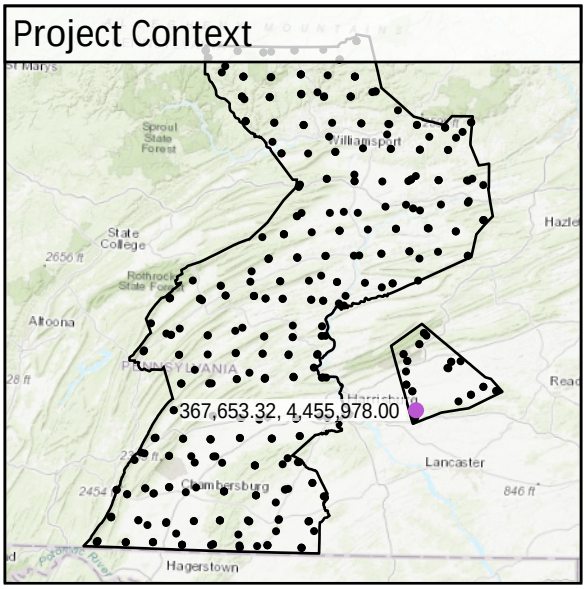
CAL - CA0148

All Points TIN Dz +0.02 m

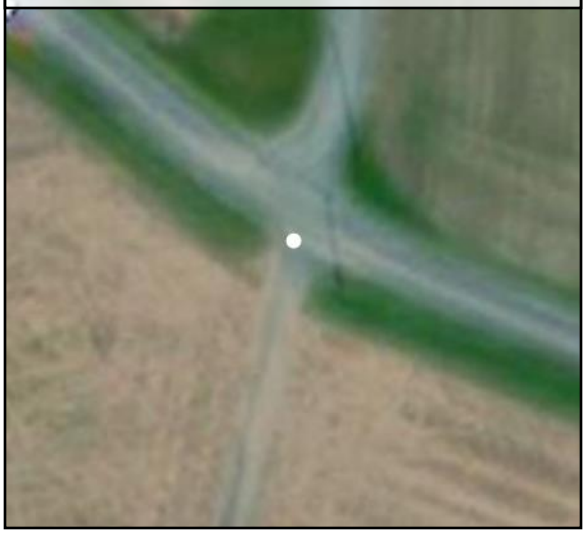
CA0149

Known Z	164.21 m	Point Density	5.73 ppsm
DEM Dz	0.02 m	Ground Density	3.50 ppsm
All Points TIN Dz	0.03 m	Slope	2.04 °

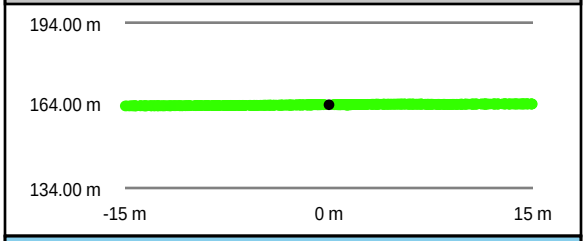
Project Context



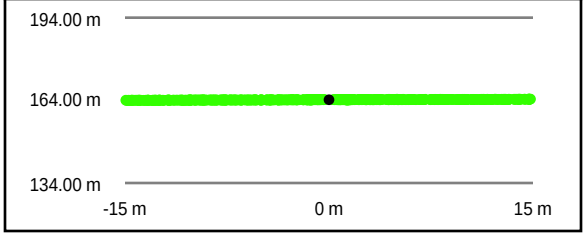
World Imagery



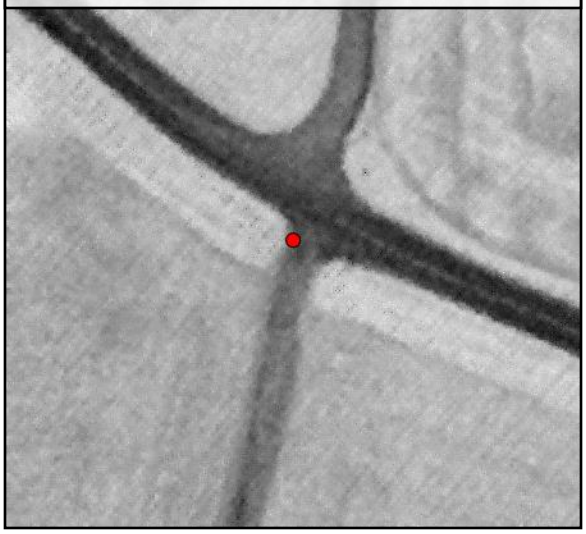
Southwest to Northeast



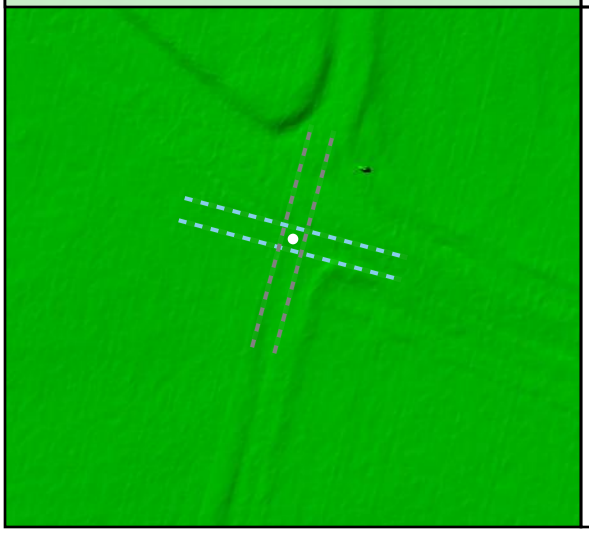
Southeast to Northwest



Intensity Raster



TIN Surface

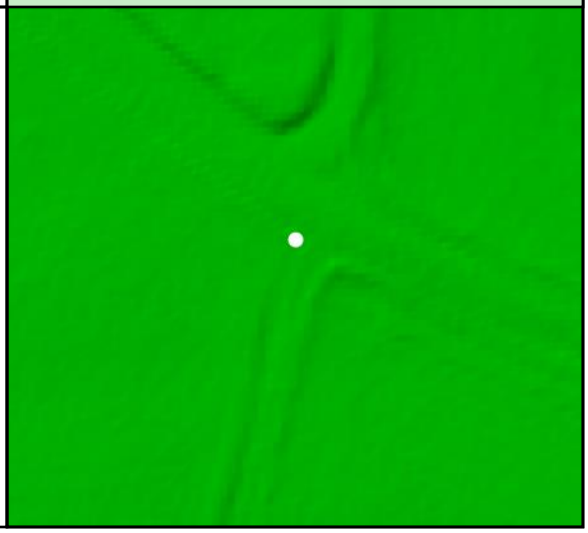


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.02 m

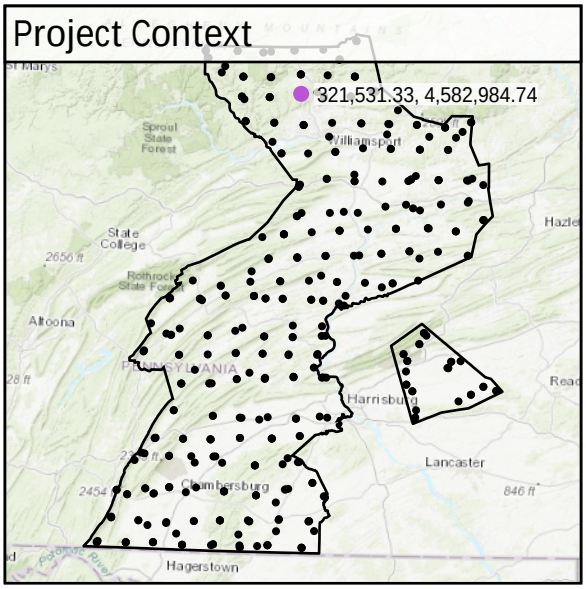
CAL - CA0149

All Points TIN Dz +0.03 m

CA015

Known Z	441.50 m	Point Density	5.55 ppsm
DEM Dz	0.04 m	Ground Density	2.58 ppsm
All Points TIN Dz	0.05 m	Slope	5.57 °

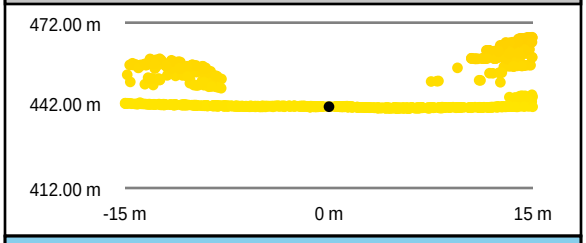
Project Context



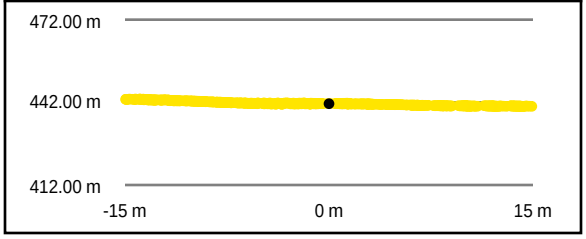
World Imagery



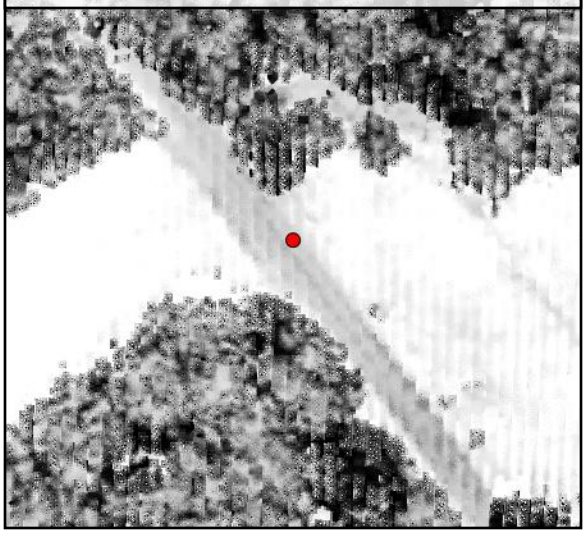
Southwest to Northeast



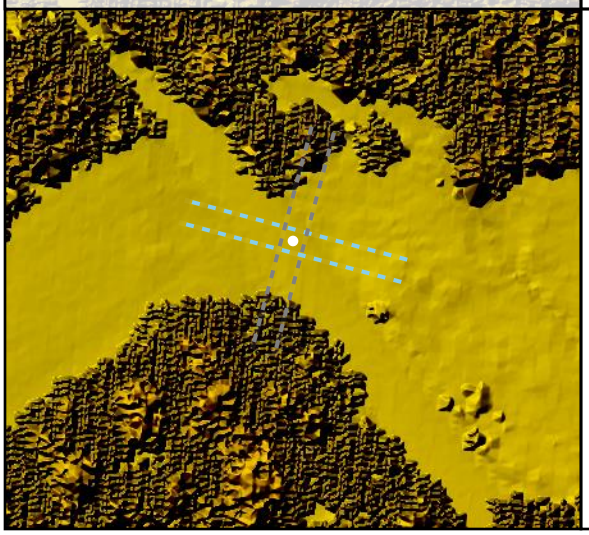
Southeast to Northwest



Intensity Raster



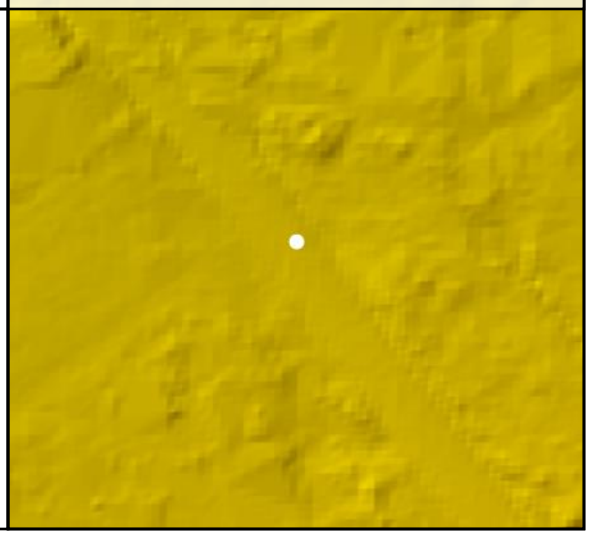
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.04 m

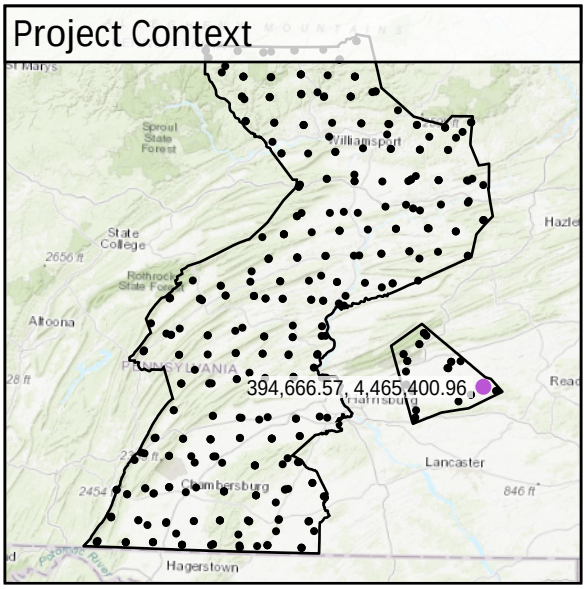
CAL - CA015

All Points TIN Dz +0.05 m

CA0150

Known Z	150.74 m	Point Density	2.79 ppsm
DEM Dz	0.04 m	Ground Density	2.79 ppsm
All Points TIN Dz	0.03 m	Slope	2.96 °

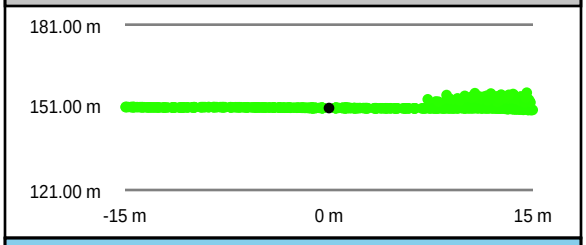
Project Context



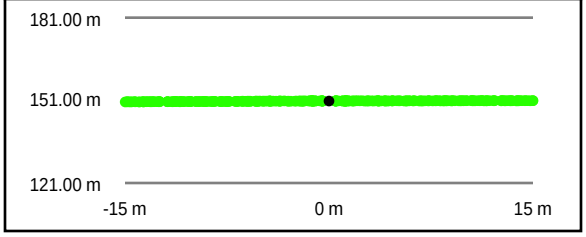
World Imagery



Southwest to Northeast



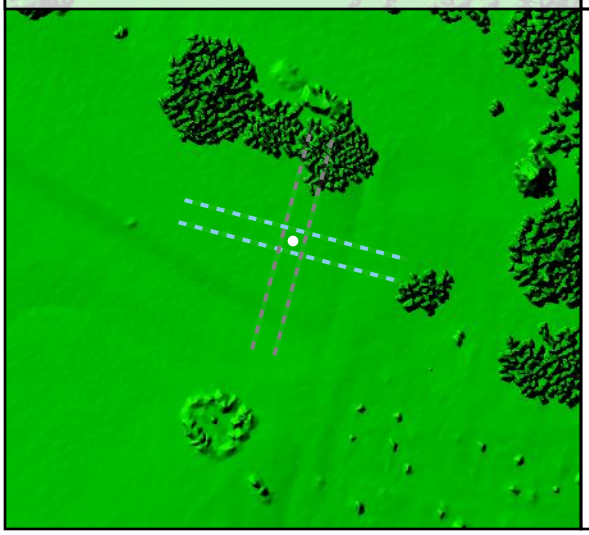
Southeast to Northwest



Intensity Raster



TIN Surface

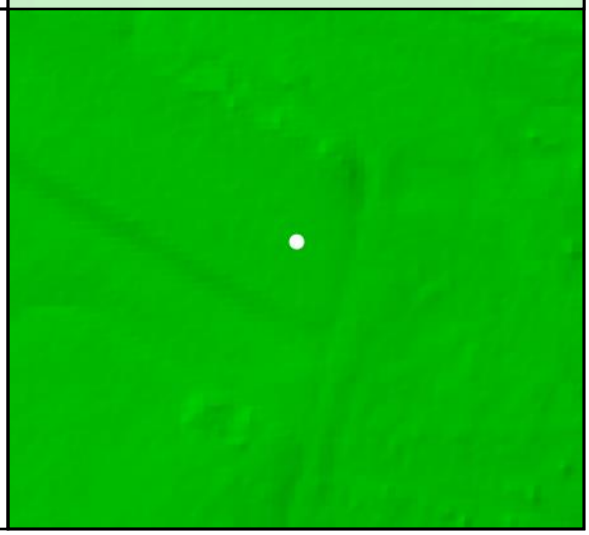


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.04 m

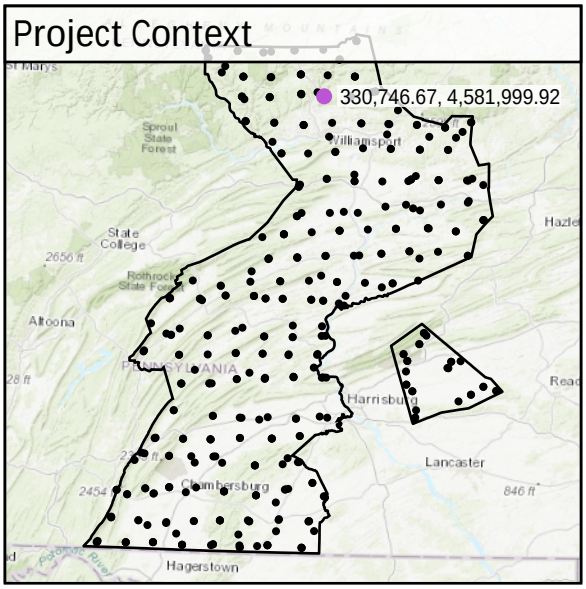
CAL - CA0150

All Points TIN Dz +0.03 m

CA016

Known Z	396.20 m	Point Density	2.79 ppsm
DEM Dz	0.05 m	Ground Density	2.79 ppsm
All Points TIN Dz	0.05 m	Slope	3.96 °

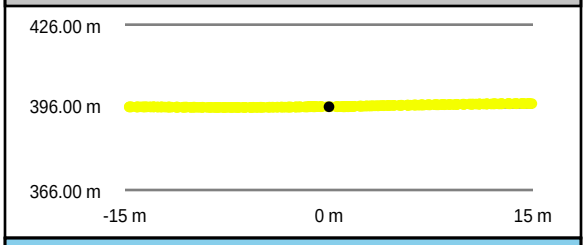
Project Context



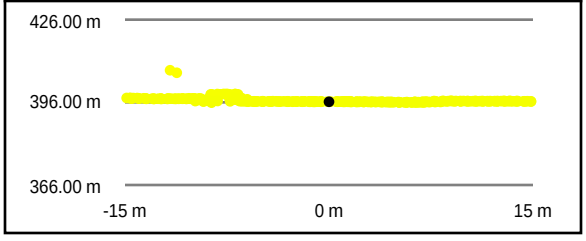
World Imagery



Southeast to Northwest



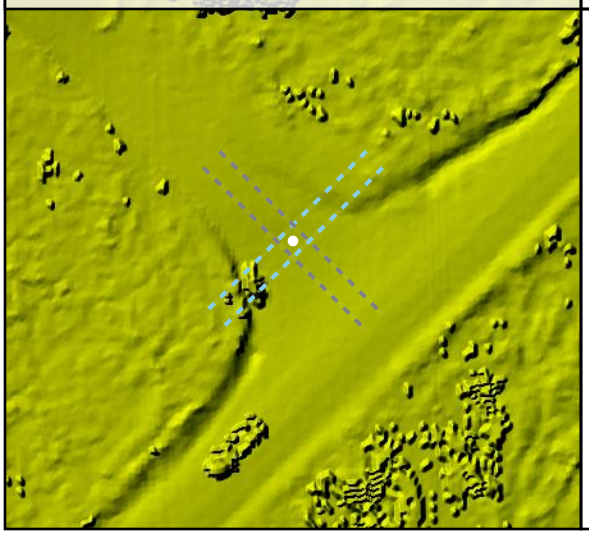
Southwest to Northeast



Intensity Raster



TIN Surface

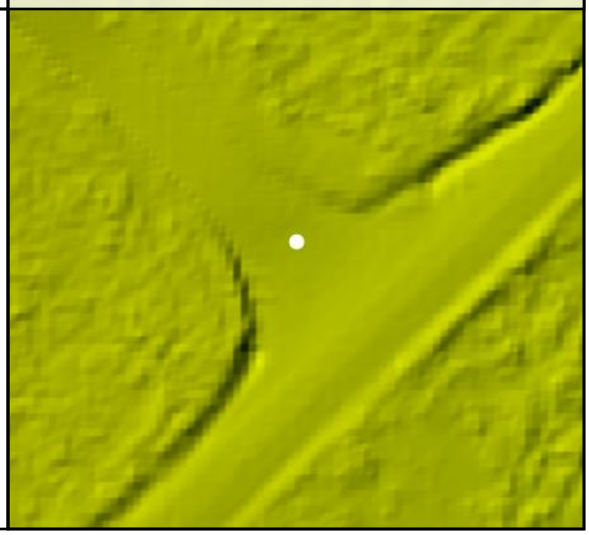


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.05 m

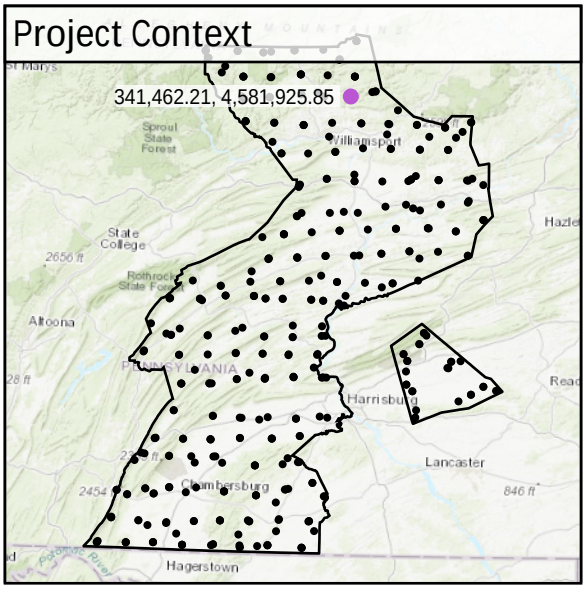
CAL - CA016

All Points TIN Dz +0.05 m

CA017

Known Z	464.22 m	Point Density	5.20 ppsm
DEM Dz	0.03 m	Ground Density	2.72 ppsm
All Points TIN Dz	0.04 m	Slope	2.15 °

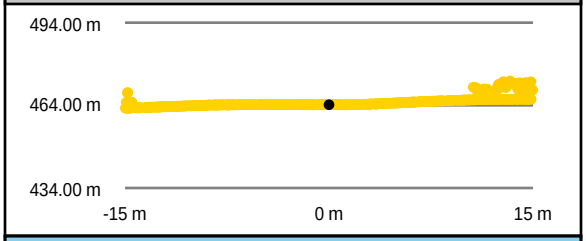
Project Context



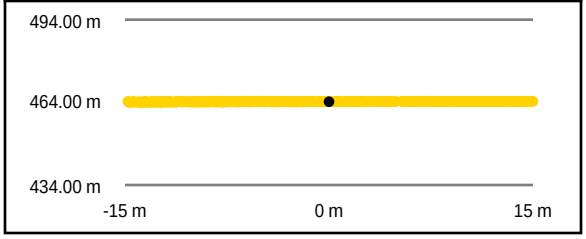
World Imagery



Southeast to Northwest



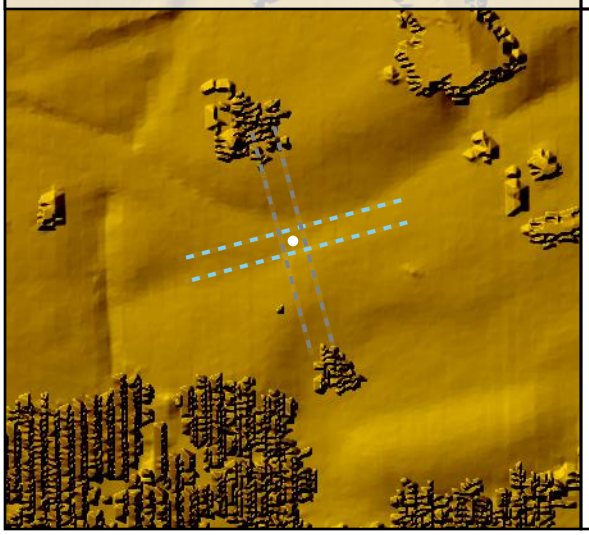
Southwest to Northeast



Intensity Raster



TIN Surface

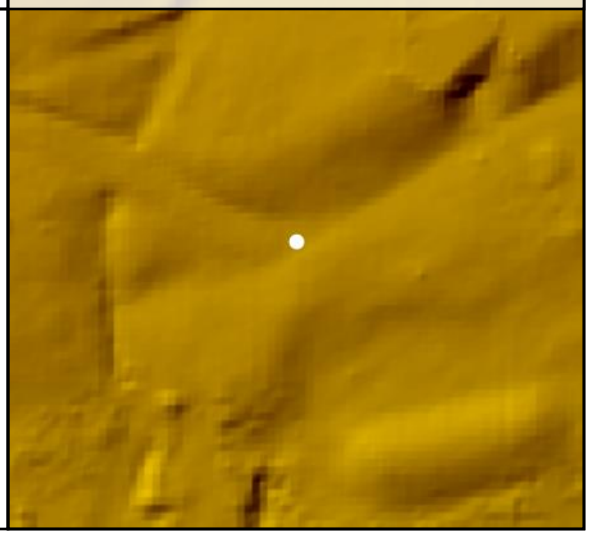


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.03 m

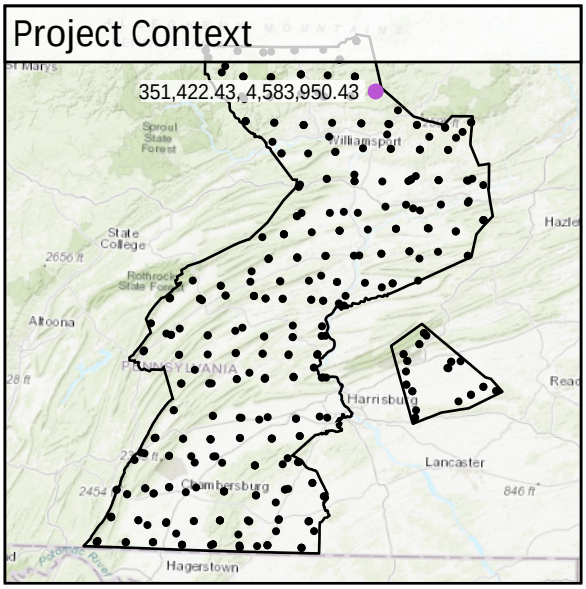
CAL - CA017

All Points TIN Dz +0.04 m

CA018

Known Z	228.90 m	Point Density	4.28 ppsm
DEM Dz	0.01 m	Ground Density	2.30 ppsm
All Points TIN Dz	0.01 m	Slope	0.12 °

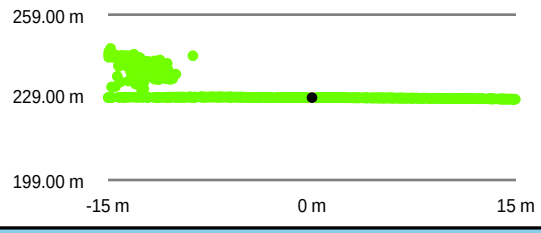
Project Context



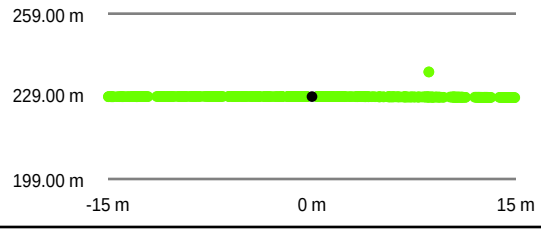
World Imagery



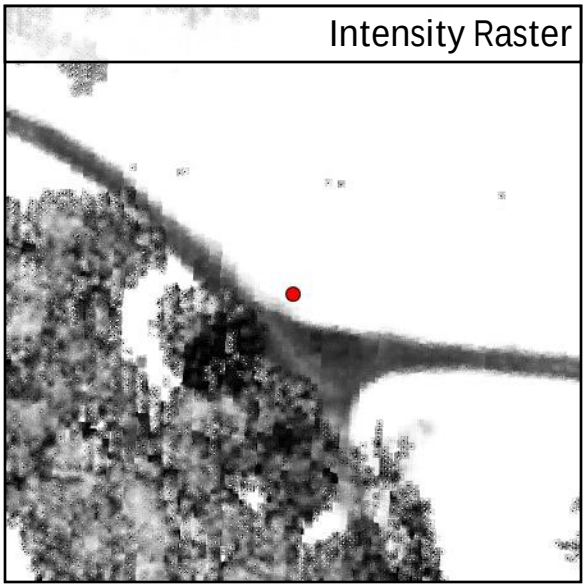
Southwest to Northeast



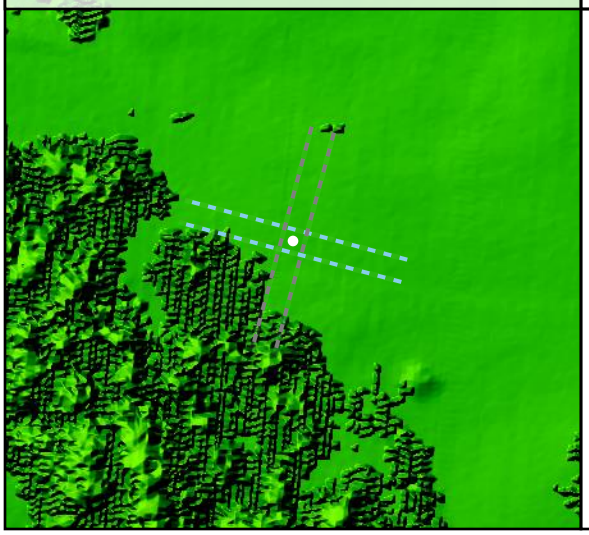
Southeast to Northwest



Intensity Raster



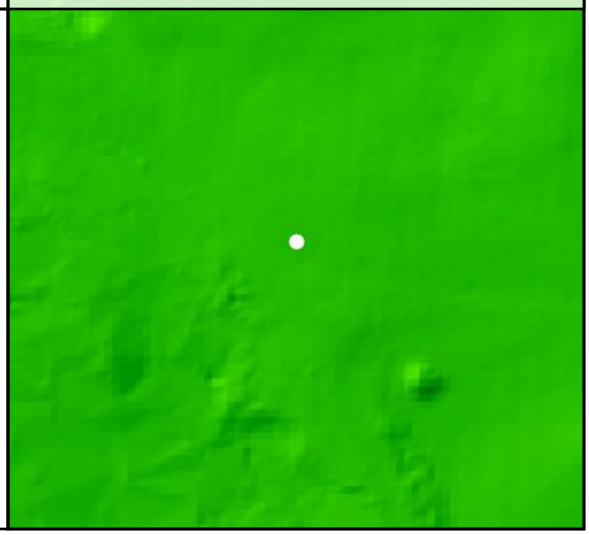
TIN Surface



Project Elevation



DEM Surface



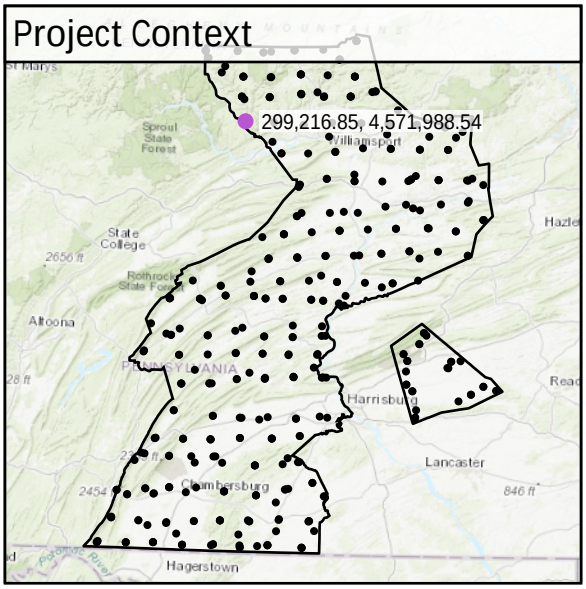
DEM Dz +0.01 m

CAL - CA018

All Points TIN Dz +0.01 m

CA019				
	Known Z	571.80 m	Point Density	6.72 ppsm
	DEM Dz	-0.14 m	Ground Density	3.43 ppsm
	All Points TIN Dz	-0.14 m	Slope	5.69 °

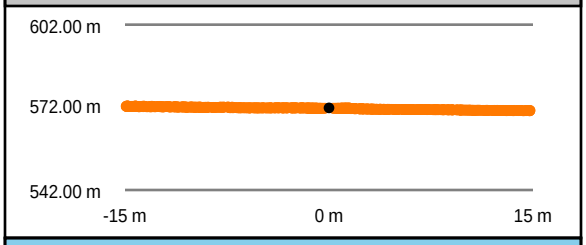
Project Context



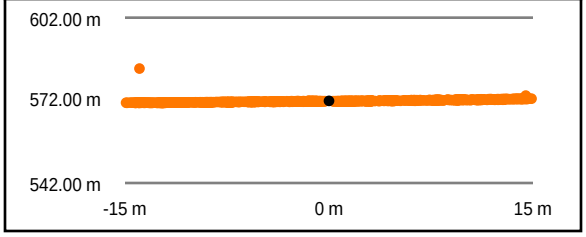
World Imagery



South to North



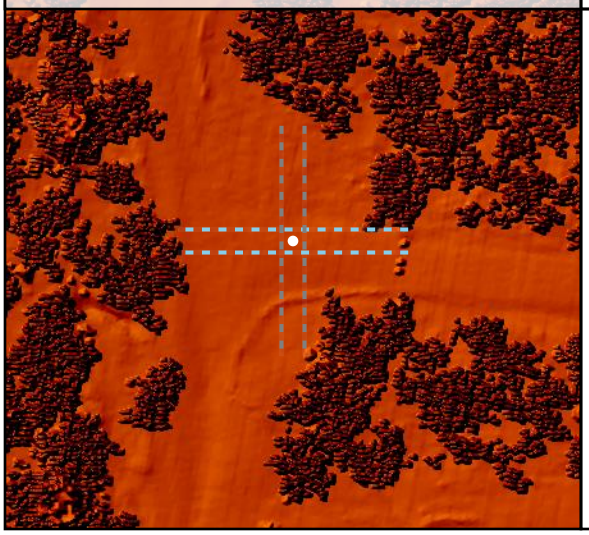
West to East



Intensity Raster



TIN Surface

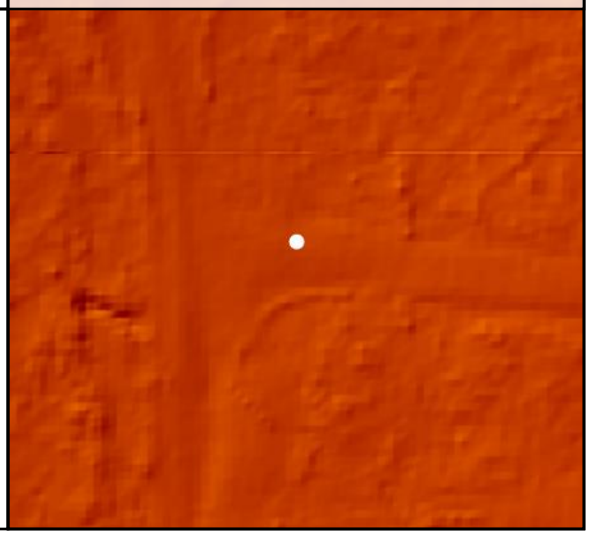


Project Elevation

716.97

103.02

DEM Surface



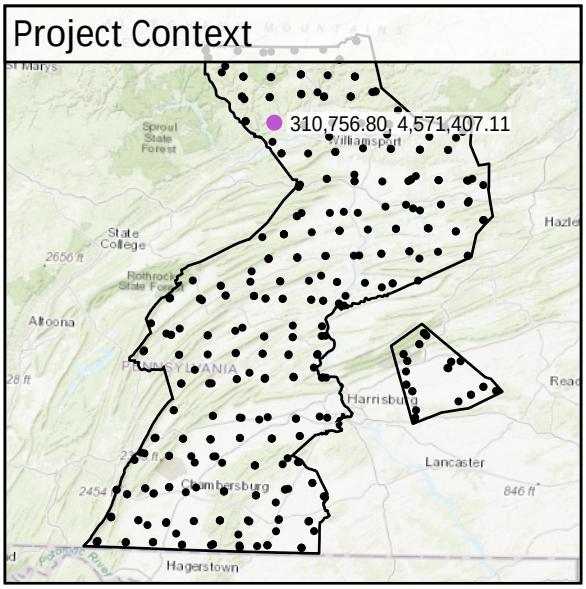
DEM Dz -0.14 m

CAL - CA019

All Points TIN Dz -0.14 m

CA020				
	Known Z	240.82 m	Point Density	5.98 ppsm
	DEM Dz	-0.10 m	Ground Density	3.29 ppsm
	All Points TIN Dz	-0.09 m	Slope	0.28 °

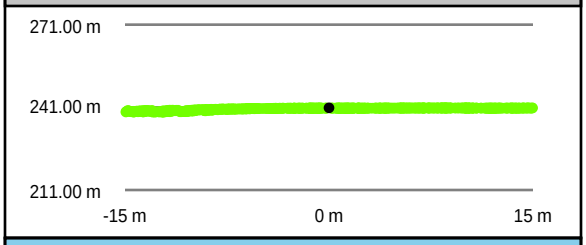
Project Context



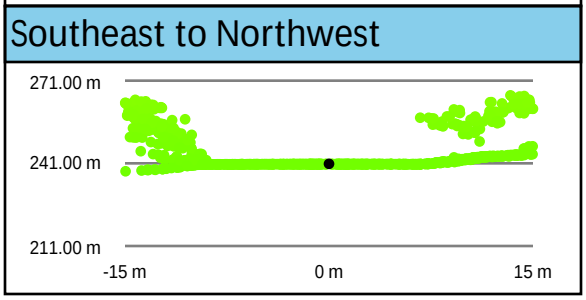
World Imagery



Southwest to Northeast



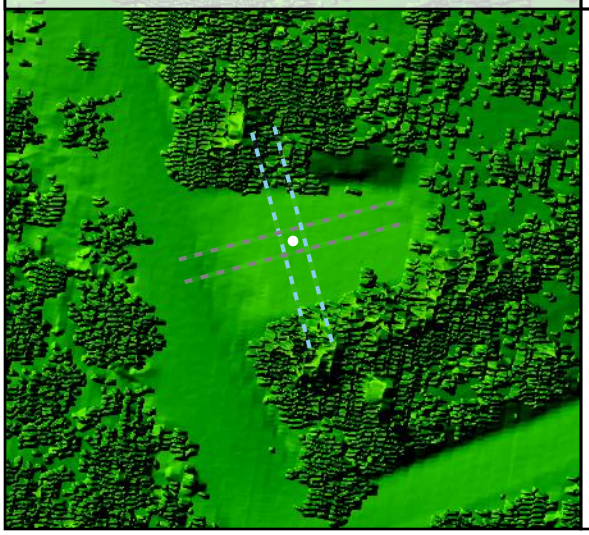
Southeast to Northwest



Intensity Raster



TIN Surface

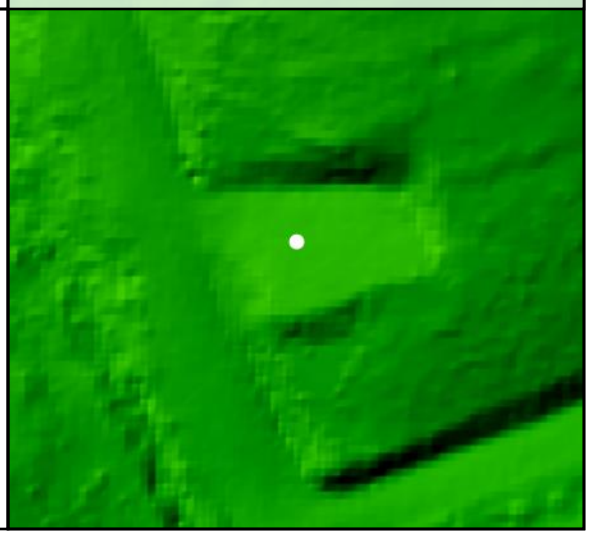


Project Elevation

716.97

103.02

DEM Surface



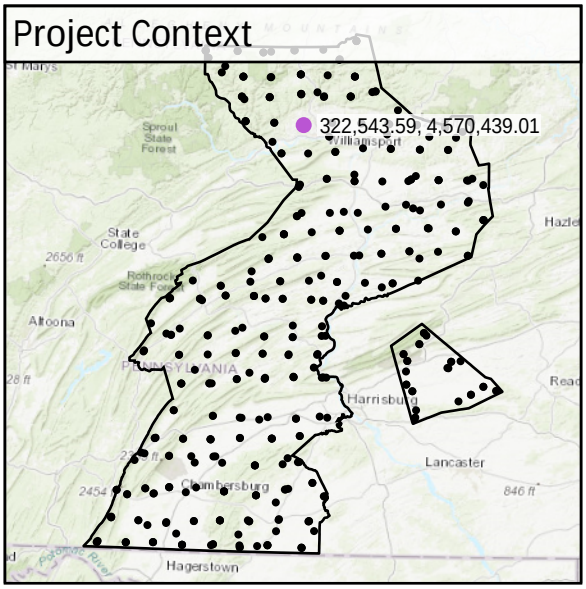
DEM Dz -0.10 m

CAL - CA020

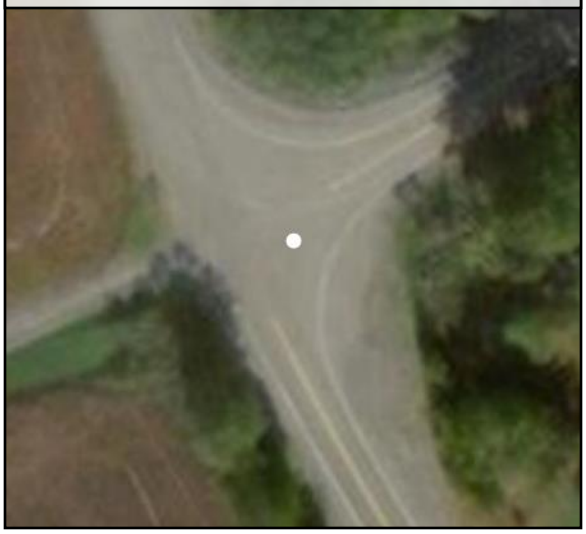
All Points TIN Dz -0.09 m

CA021				
	Known Z	303.11 m	Point Density	5.13 ppsm
	DEM Dz	-0.01 m	Ground Density	5.13 ppsm
	All Points TIN Dz	-0.02 m	Slope	1.49 °

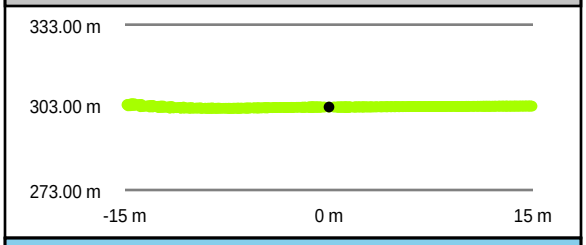
Project Context



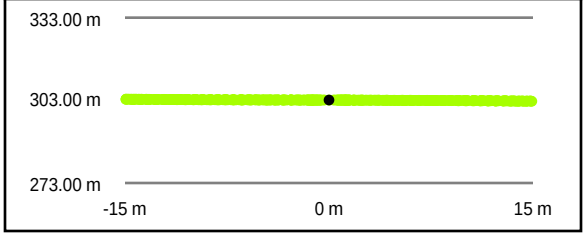
World Imagery



Southeast to Northwest



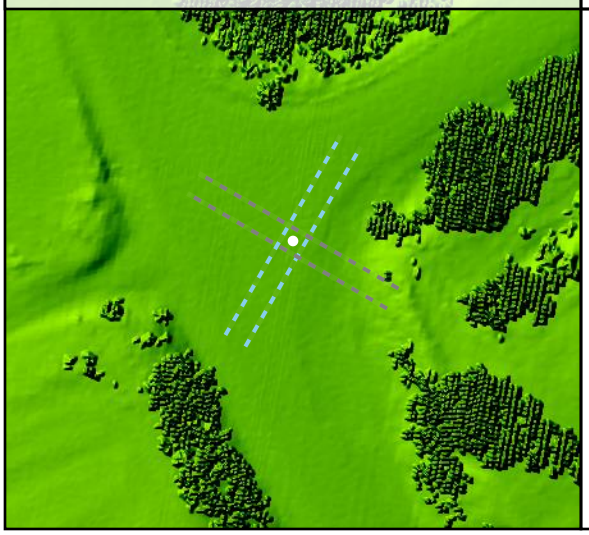
Southwest to Northeast



Intensity Raster



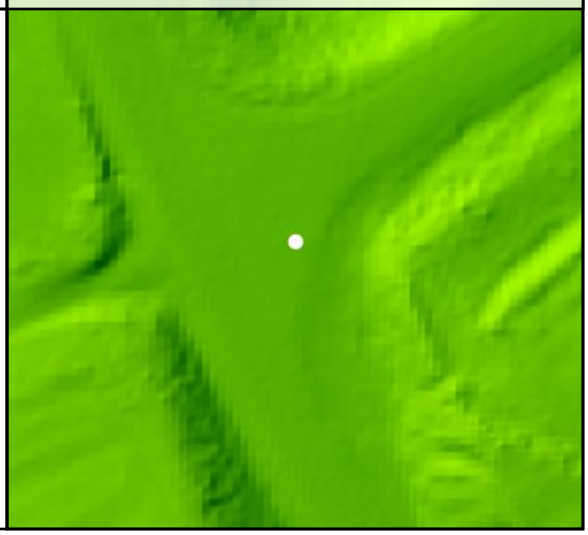
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.01 m

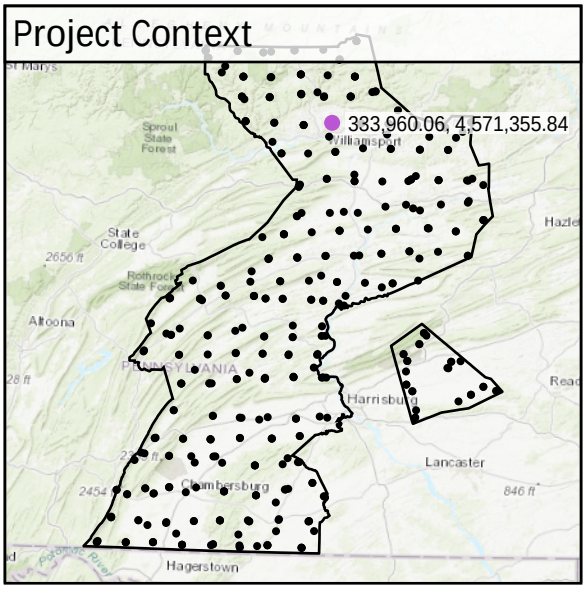
CAL - CA021

All Points TIN Dz -0.02 m

CA022

Known Z	187.40 m	Point Density	4.77 ppsm
DEM Dz	0.08 m	Ground Density	2.79 ppsm
All Points TIN Dz	0.09 m	Slope	0.39 °

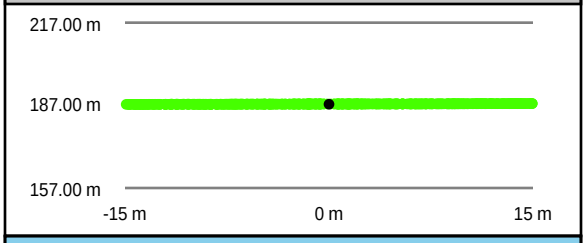
Project Context



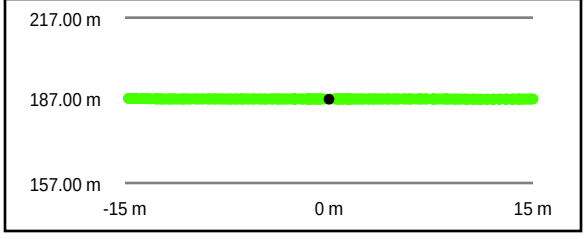
World Imagery



Southwest to Northeast



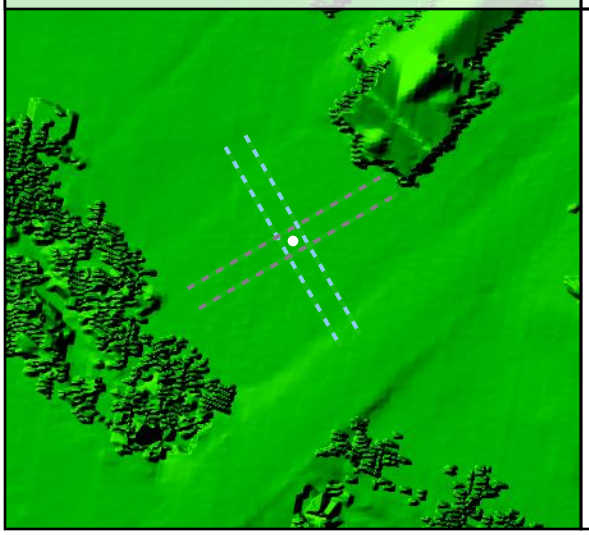
Southeast to Northwest



Intensity Raster



TIN Surface

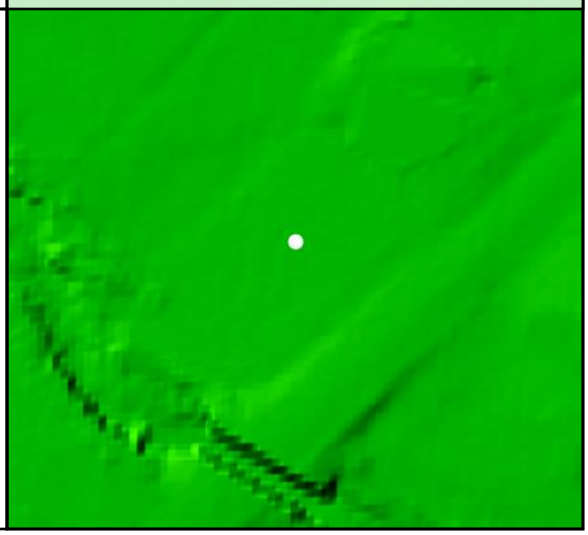


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.08 m

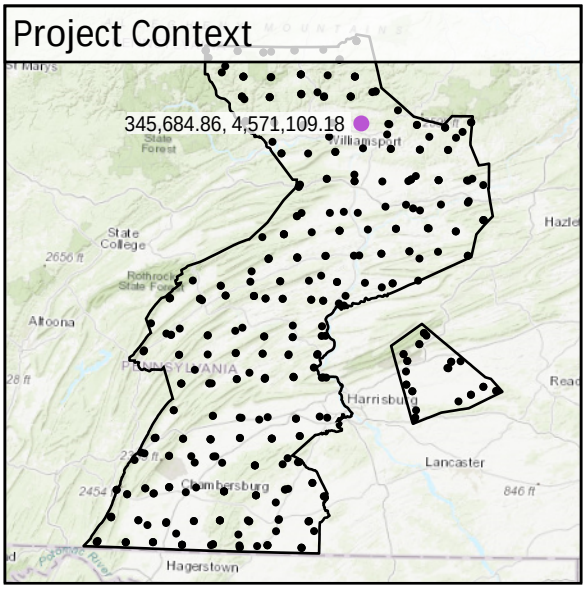
CAL - CA022

All Points TIN Dz +0.09 m

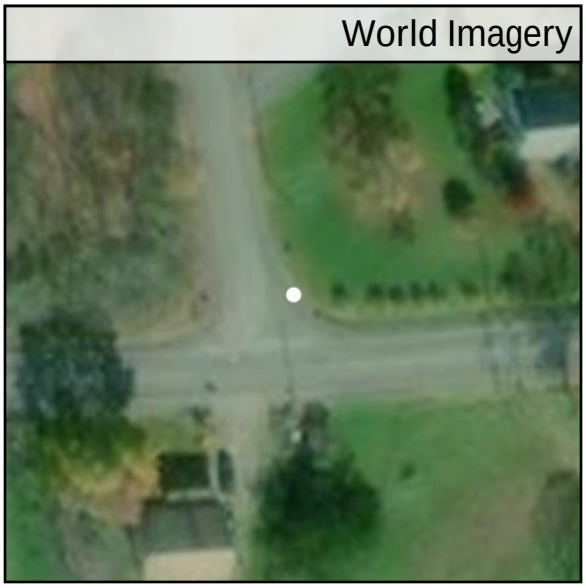
CA023

Known Z	292.91 m	Point Density	3.93 ppsm
DEM Dz	0.02 m	Ground Density	3.93 ppsm
All Points TIN Dz	0.03 m	Slope	2.93 °

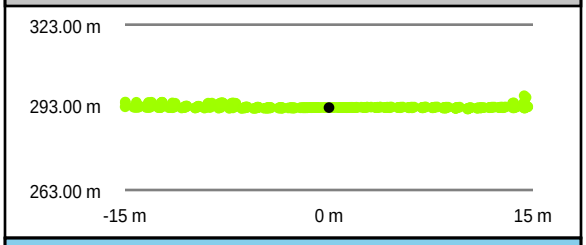
Project Context



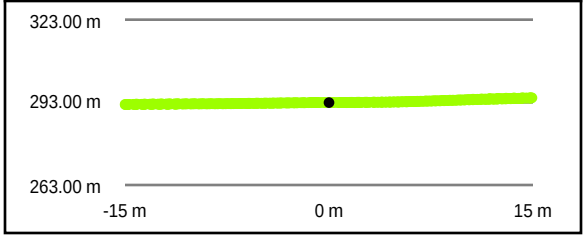
World Imagery



Southeast to Northwest



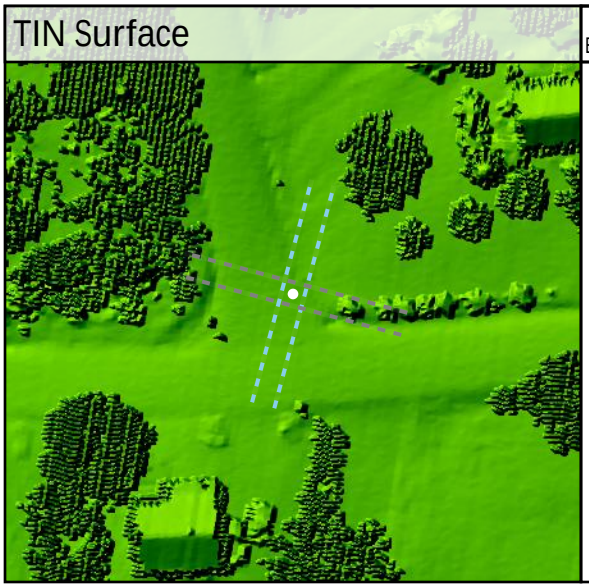
Southwest to Northeast



Intensity Raster



TIN Surface

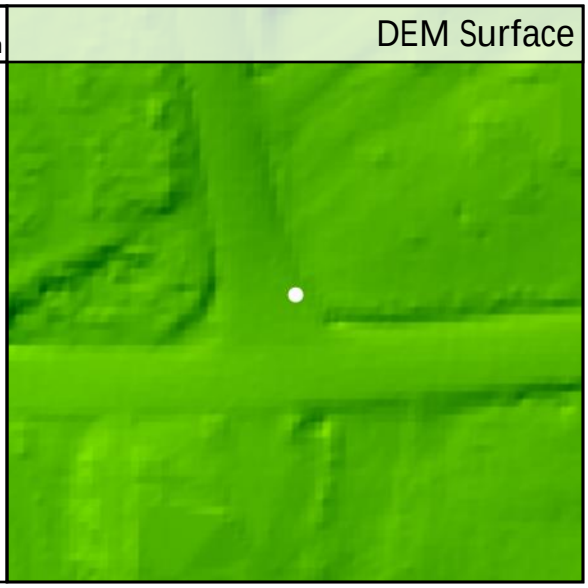


Project Elevation

716.97

103.02

DEM Surface



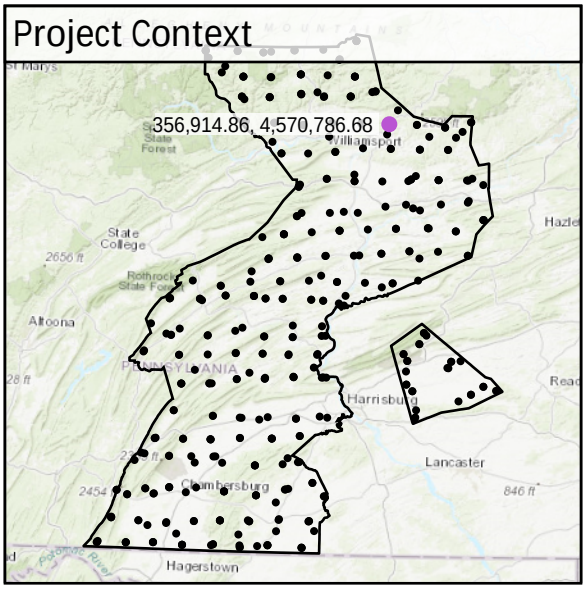
DEM Dz +0.02 m

CAL - CA023

All Points TIN Dz +0.03 m

CA024				
	Known Z	200.10 m	Point Density	3.47 ppsm
	DEM Dz	0.04 m	Ground Density	3.47 ppsm
	All Points TIN Dz	0.04 m	Slope	1.88 °

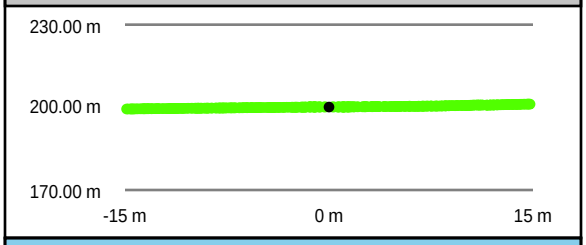
Project Context



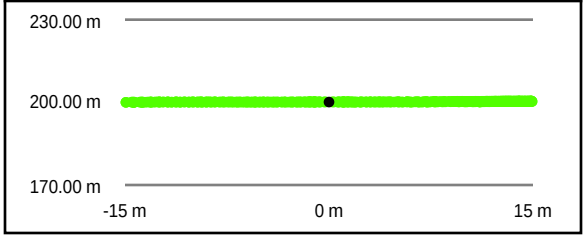
World Imagery



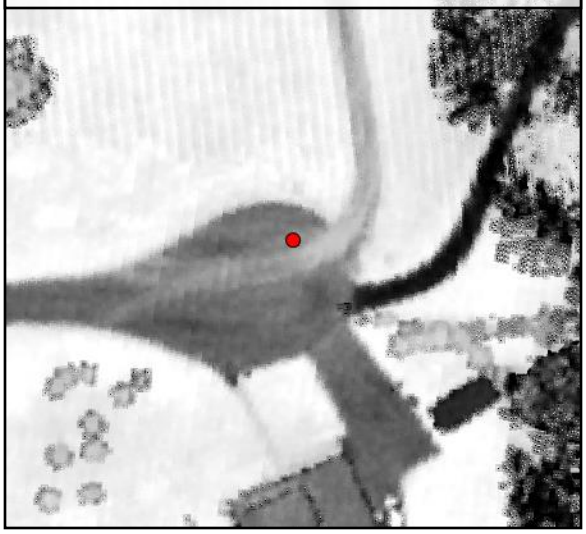
Southwest to Northeast



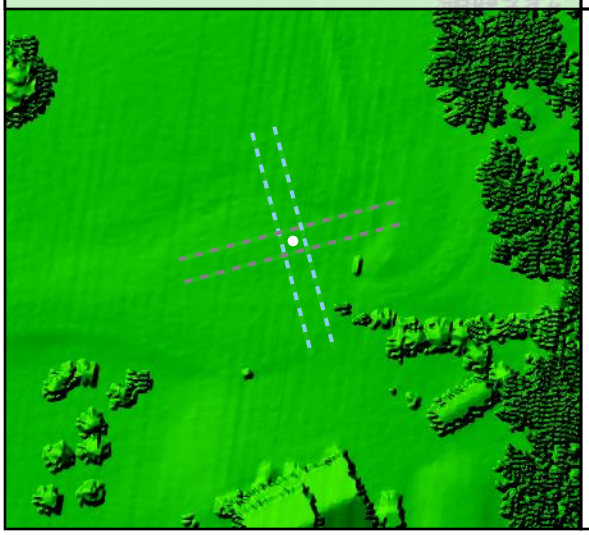
Southeast to Northwest



Intensity Raster



TIN Surface

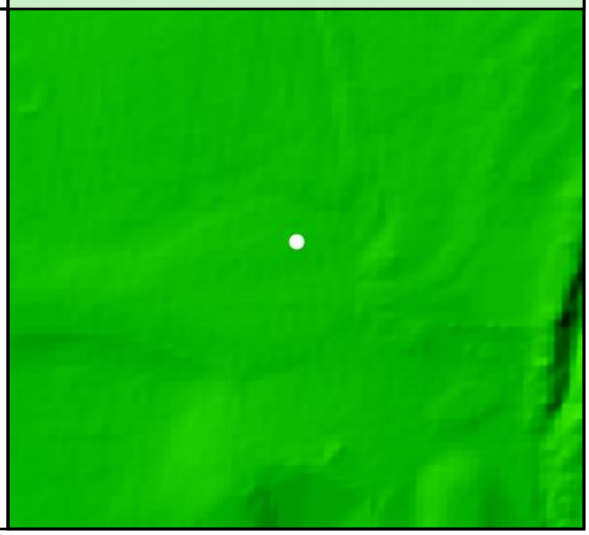


Project Elevation

716.97

103.02

DEM Surface



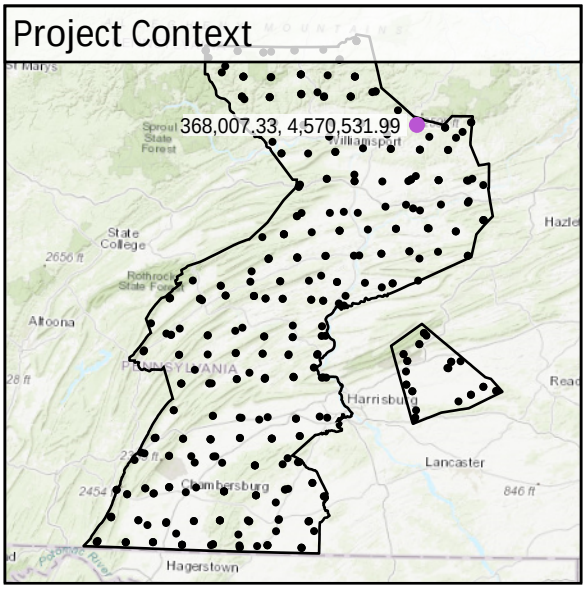
DEM Dz +0.04 m

CAL - CA024

All Points TIN Dz +0.04 m

CA025				
	Known Z	361.72 m	Point Density	5.84 ppsm
	DEM Dz	-0.01 m	Ground Density	3.82 ppsm
	All Points TIN Dz	0.00 m	Slope	1.56 °

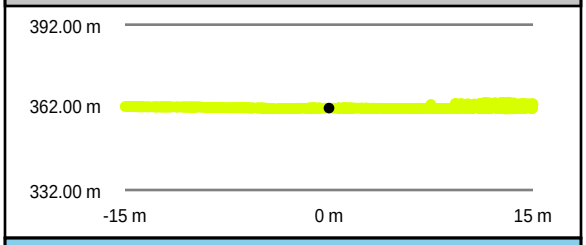
Project Context



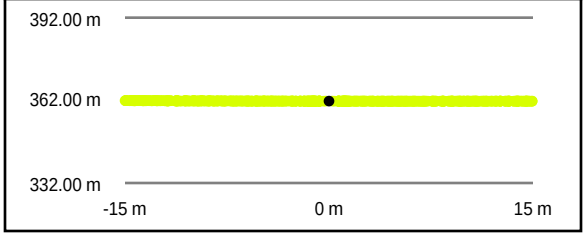
World Imagery



Southeast to Northwest



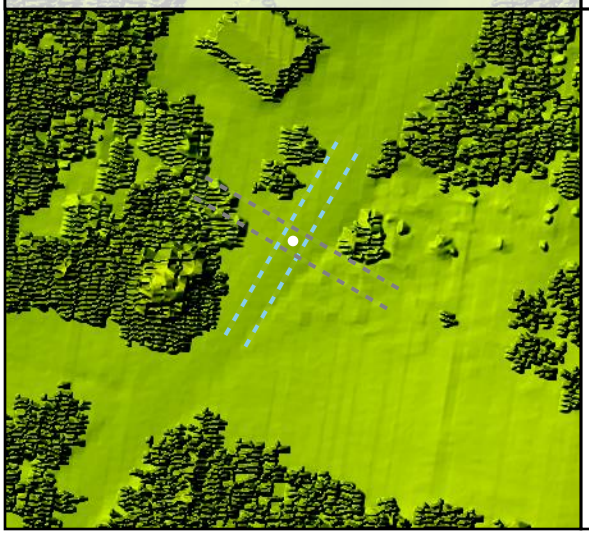
Southwest to Northeast



Intensity Raster



TIN Surface

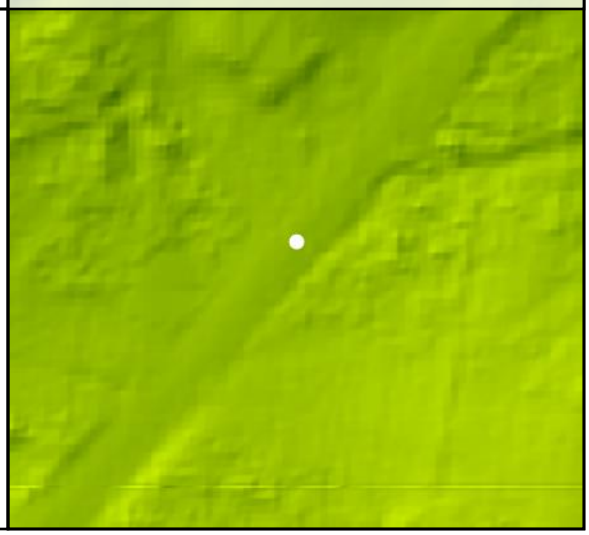


Project Elevation

716.97

103.02

DEM Surface



DEM Dz -0.01 m

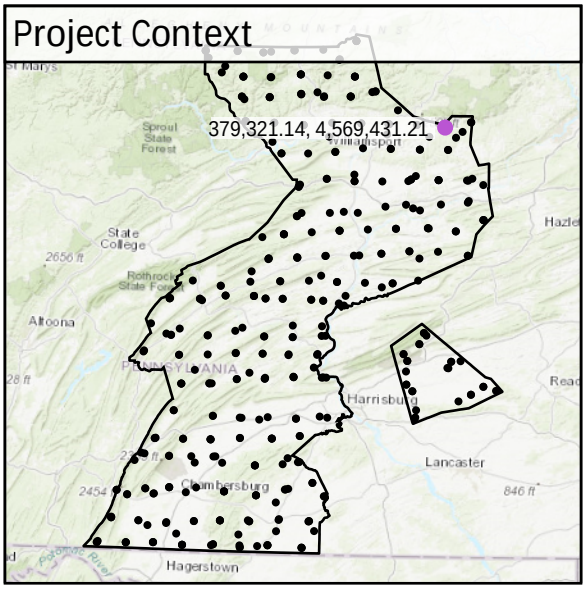
CAL - CA025

All Points TIN Dz 0.00 m

CA026

Known Z	353.18 m	Point Density	3.36 ppsm
DEM Dz	0.04 m	Ground Density	3.36 ppsm
All Points TIN Dz	0.04 m	Slope	3.71 °

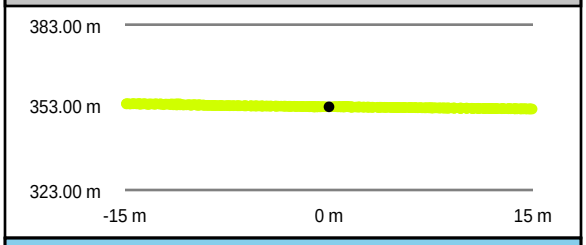
Project Context



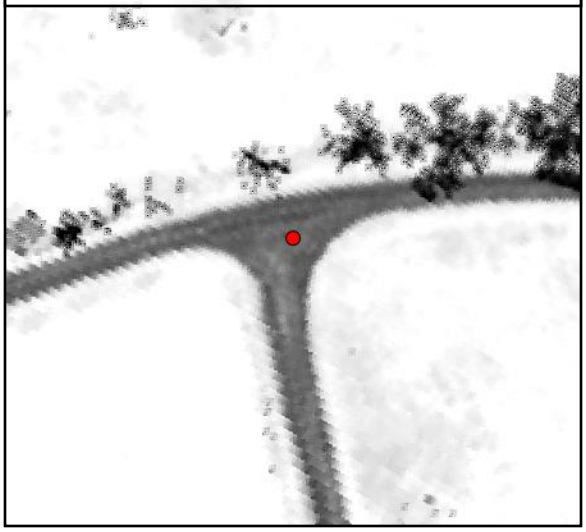
World Imagery



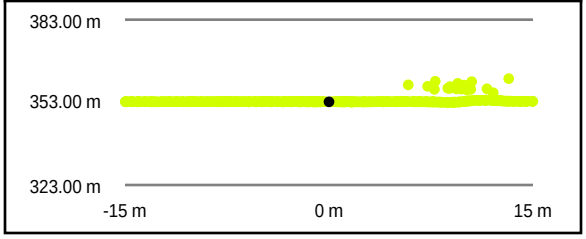
Southwest to Northeast



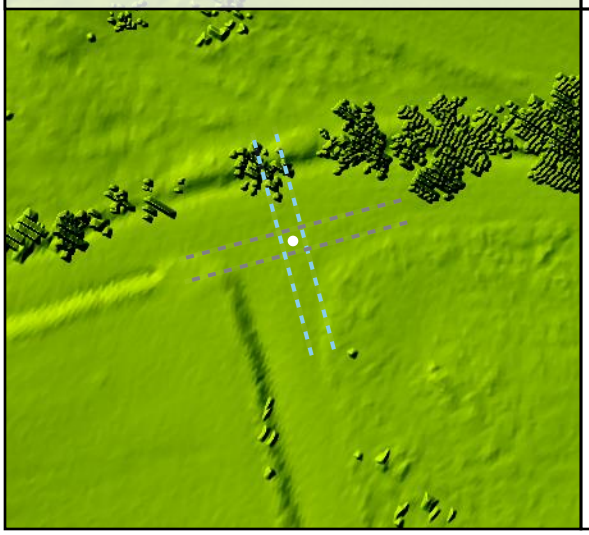
Intensity Raster



Southeast to Northwest



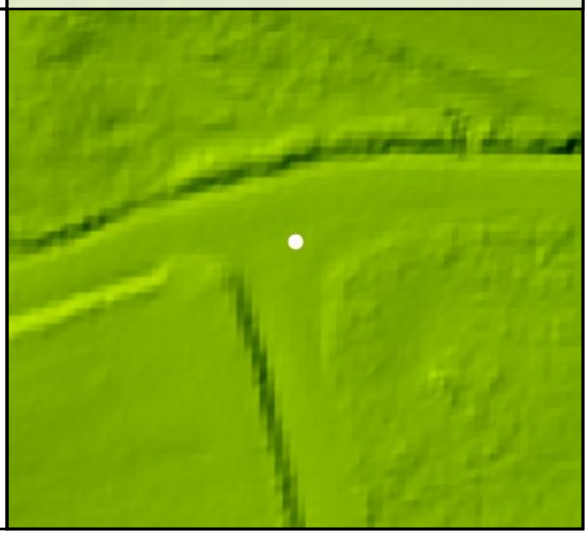
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.04 m

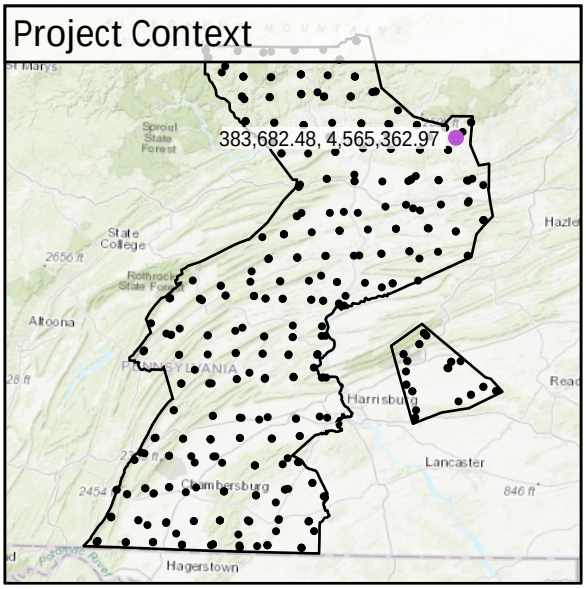
CAL - CA026

All Points TIN Dz +0.04 m

CA027

Known Z	264.17 m	Point Density	6.65 ppsm
DEM Dz	0.03 m	Ground Density	3.22 ppsm
All Points TIN Dz	0.02 m	Slope	3.70 °

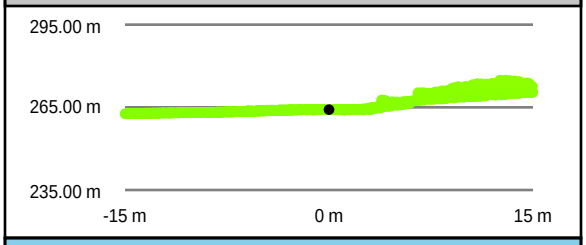
Project Context



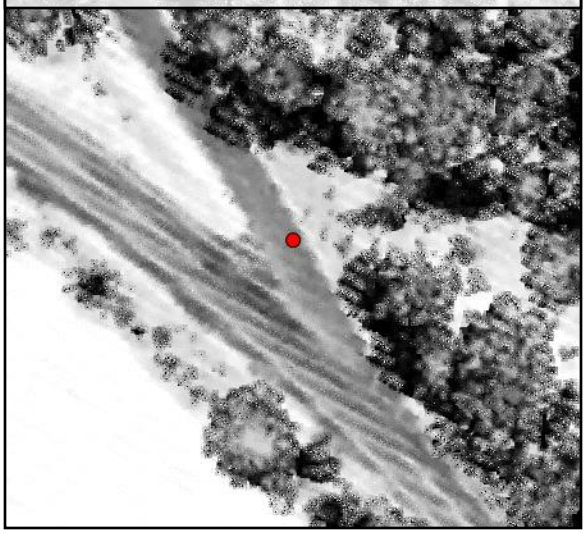
World Imagery



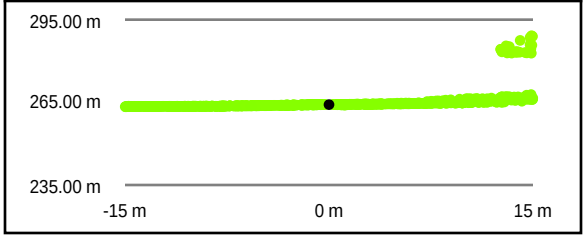
Southwest to Northeast



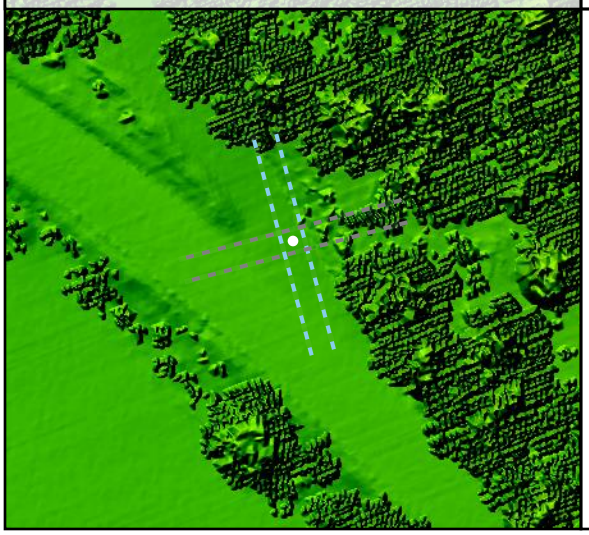
Intensity Raster



Southeast to Northwest



TIN Surface

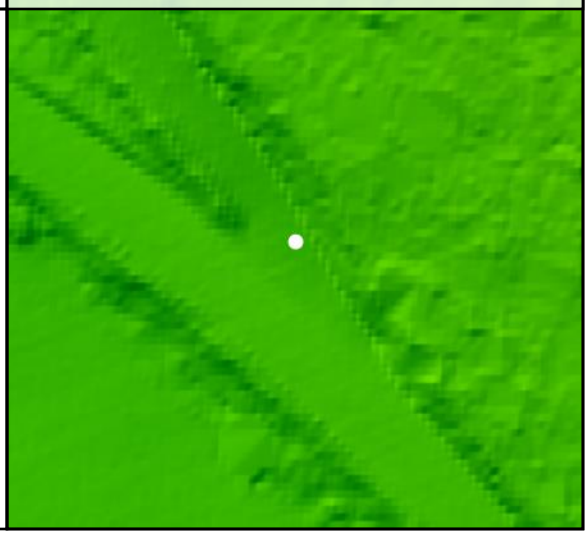


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.03 m

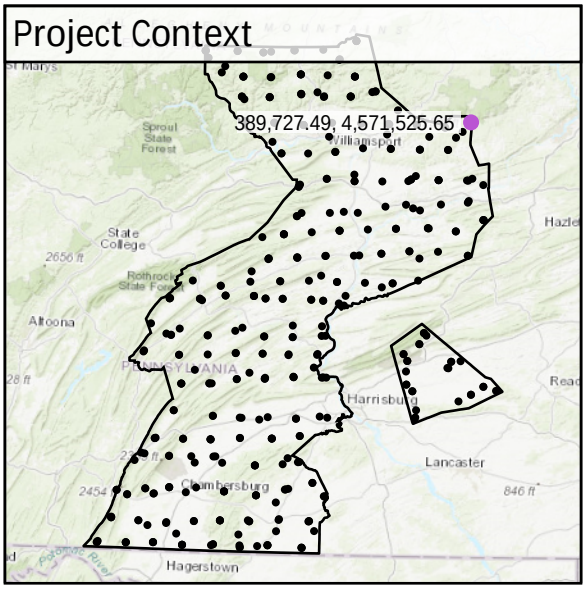
CAL - CA027

All Points TIN Dz +0.02 m

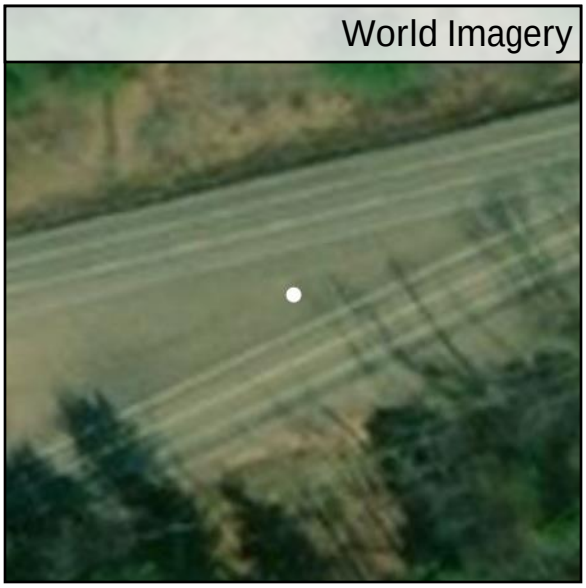
CA028

Known Z	359.31 m	Point Density	28.54 ppsm
DEM Dz	0.03 m	Ground Density	4.92 ppsm
All Points TIN Dz	0.03 m	Slope	3.55 °

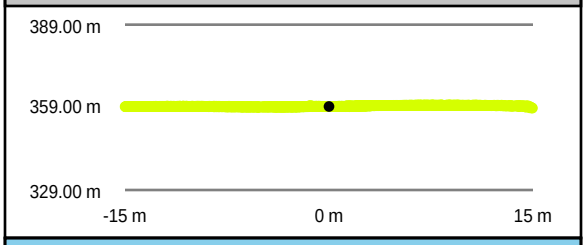
Project Context



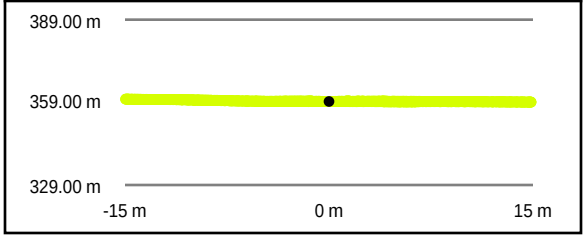
World Imagery



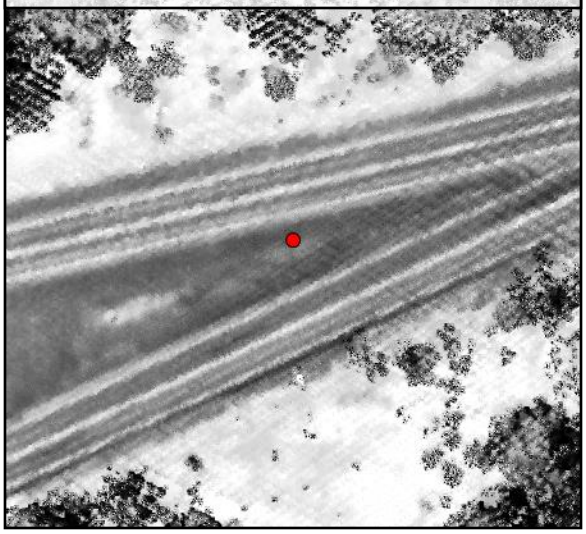
Southwest to Northeast



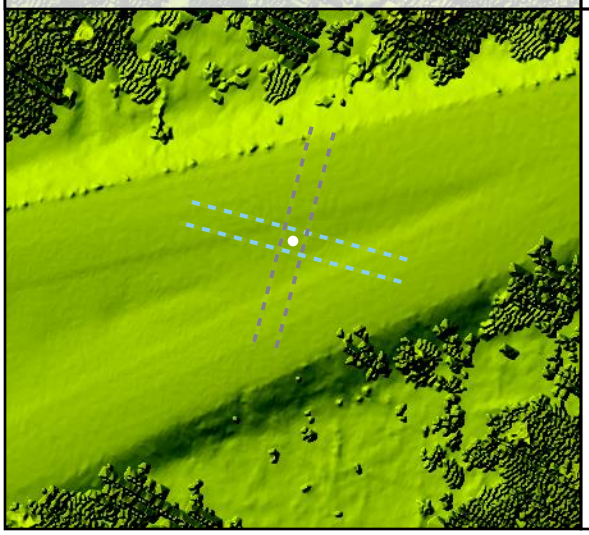
Southeast to Northwest



Intensity Raster



TIN Surface

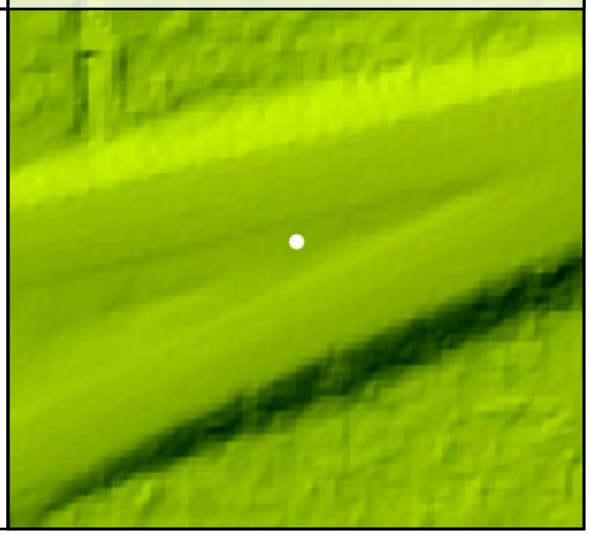


Project Elevation

716.97

103.02

DEM Surface



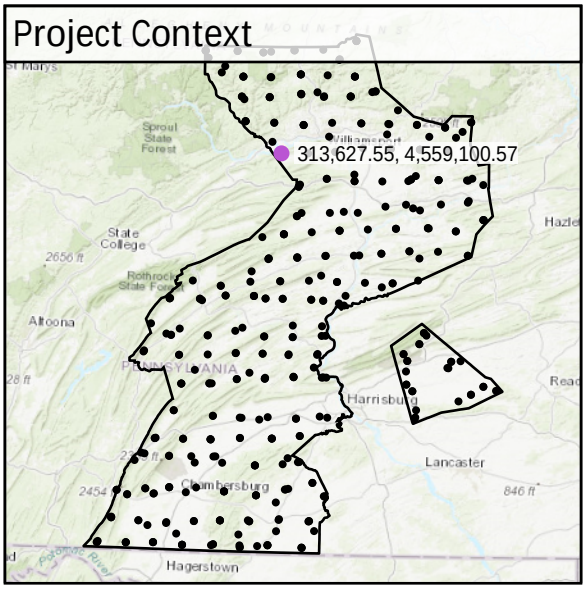
DEM Dz +0.03 m

CAL - CA028

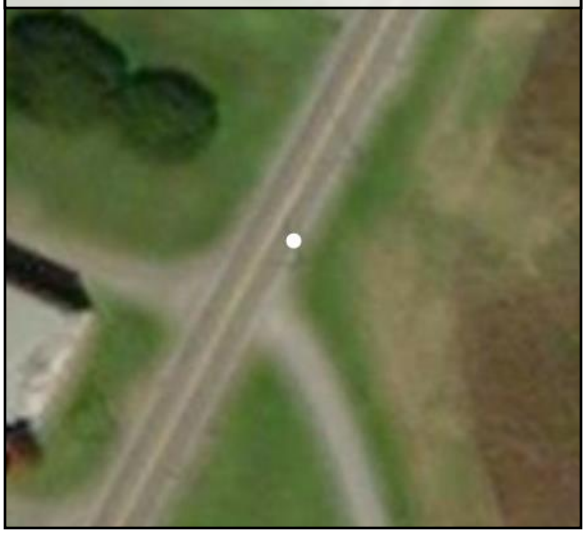
All Points TIN Dz +0.03 m

CA029				
	Known Z	194.39 m	Point Density	13.16 ppsm
	DEM Dz	-0.03 m	Ground Density	2.62 ppsm
	All Points TIN Dz	-0.03 m	Slope	2.59 °

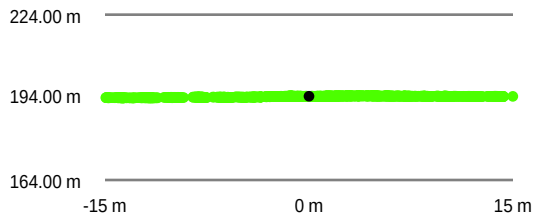
Project Context



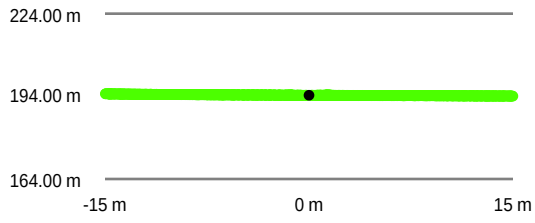
World Imagery



Southeast to Northwest



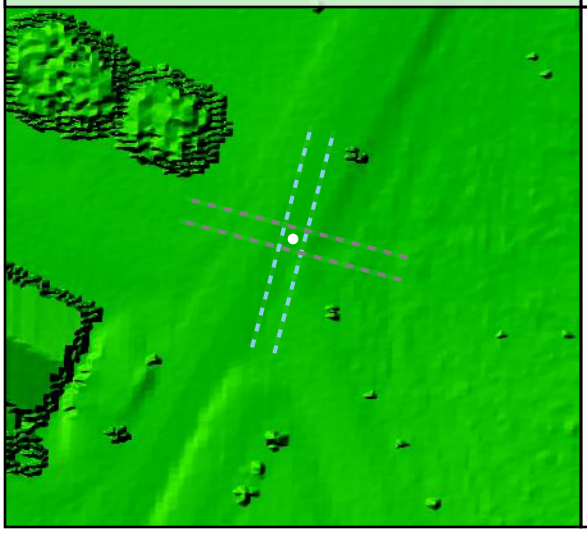
Southwest to Northeast



Intensity Raster



TIN Surface

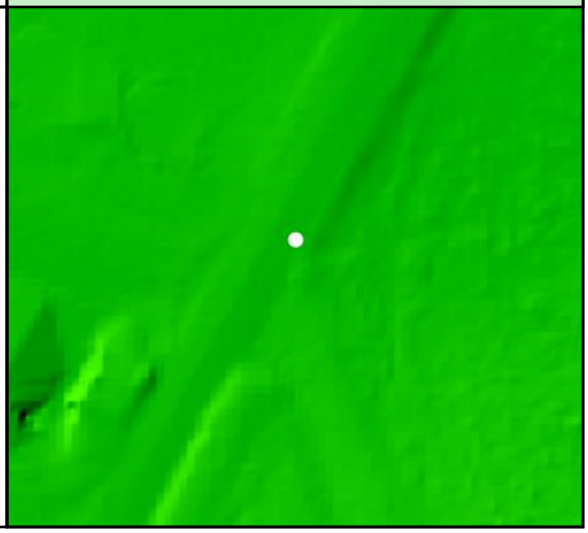


Project Elevation

716.97

103.02

DEM Surface



DEM Dz -0.03 m

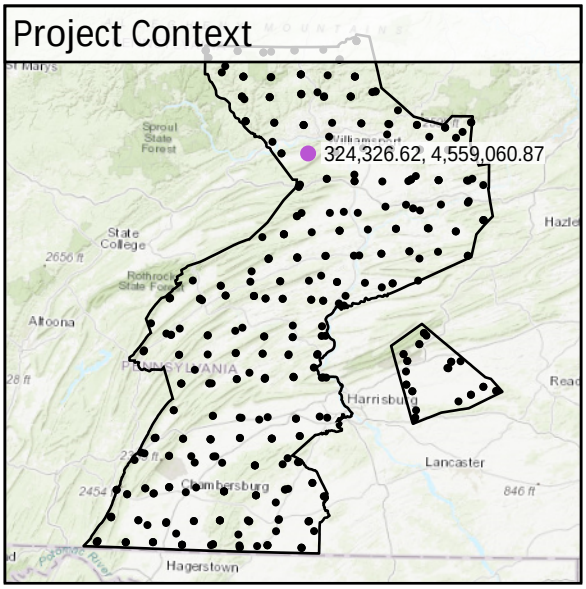
CAL - CA029

All Points TIN Dz -0.03 m

CA030

Known Z	486.44 m	Point Density	5.69 ppsm
DEM Dz	-0.04 m	Ground Density	2.37 ppsm
All Points TIN Dz	-0.03 m	Slope	3.57 °

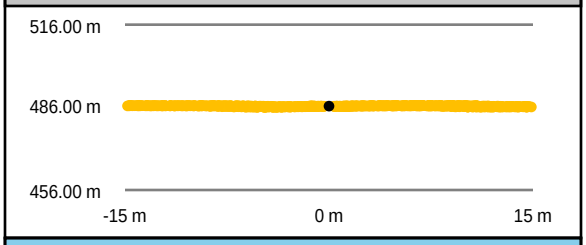
Project Context



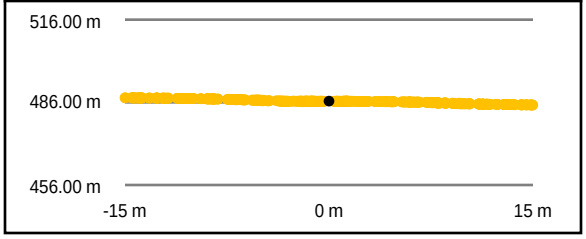
World Imagery



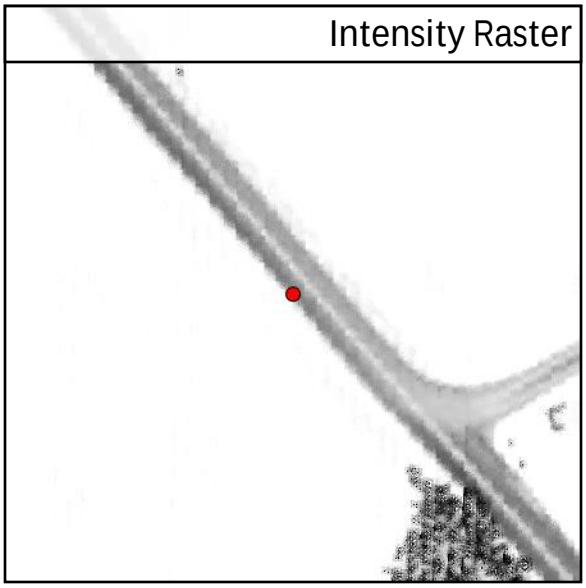
South to North



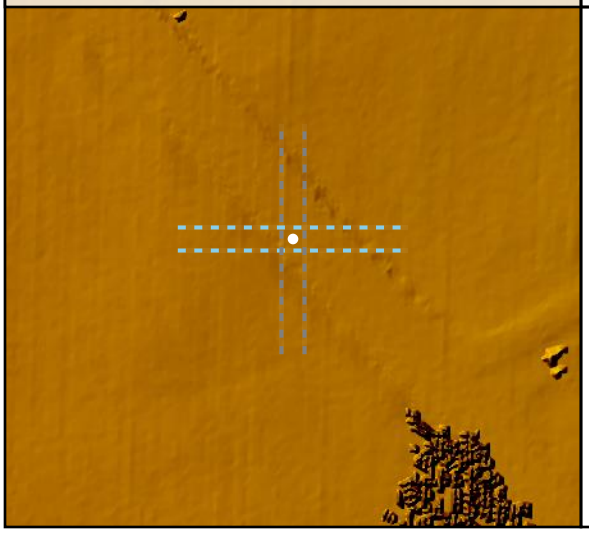
West to East



Intensity Raster



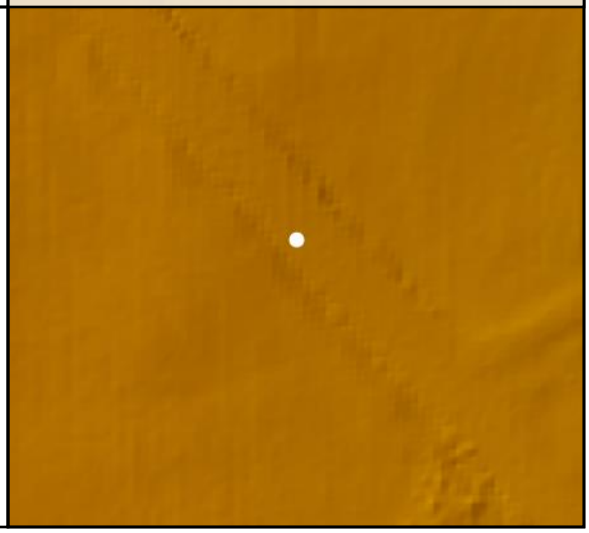
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.04 m

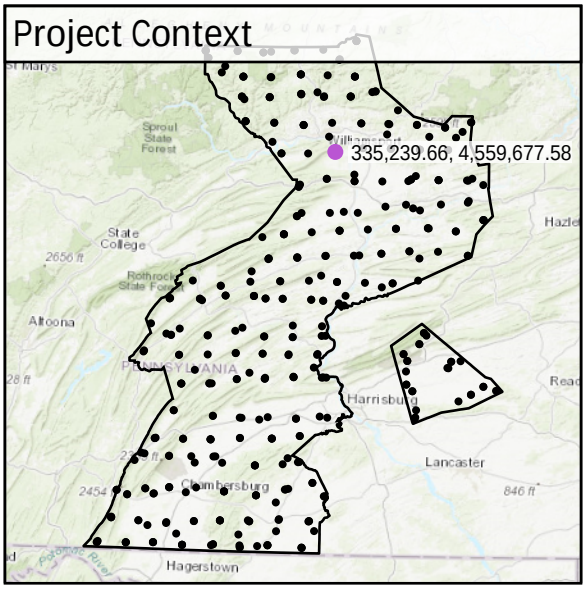
CAL - CA030

All Points TIN Dz -0.03 m

CA031

Known Z	206.38 m	Point Density	6.19 ppsm
DEM Dz	0.03 m	Ground Density	2.44 ppsm
All Points TIN Dz	0.03 m	Slope	4.73 °

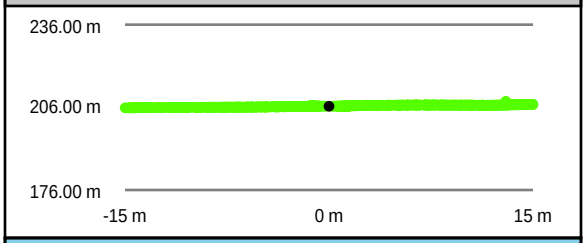
Project Context



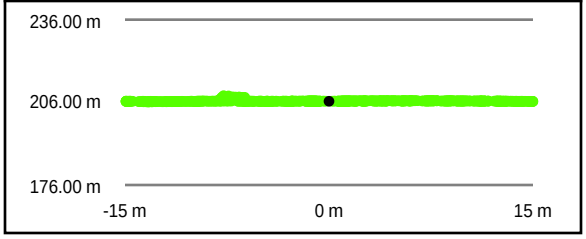
World Imagery



Southwest to Northeast



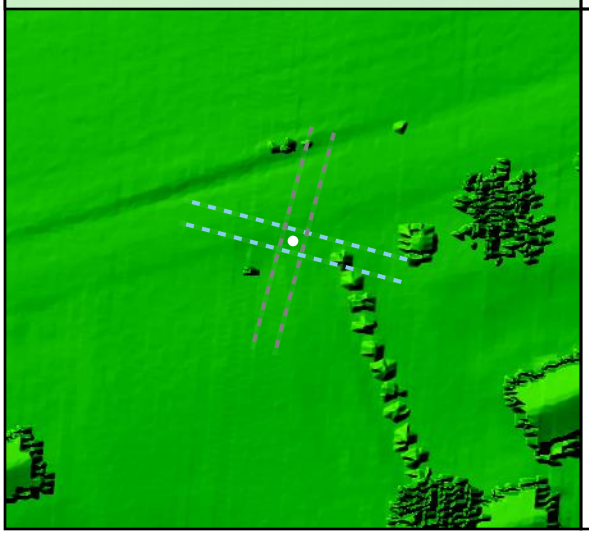
Southeast to Northwest



Intensity Raster



TIN Surface

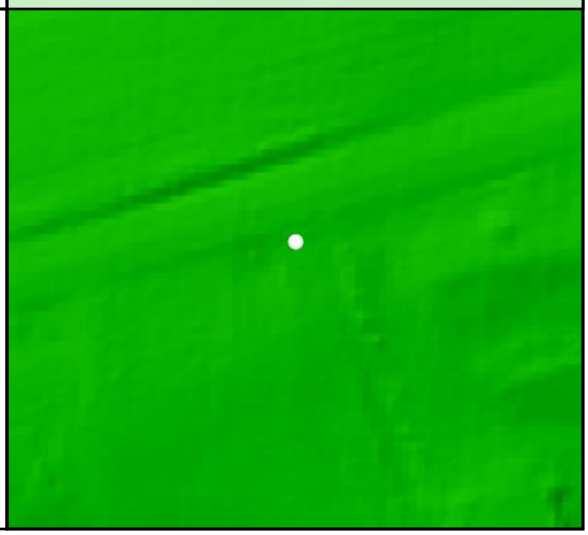


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.03 m

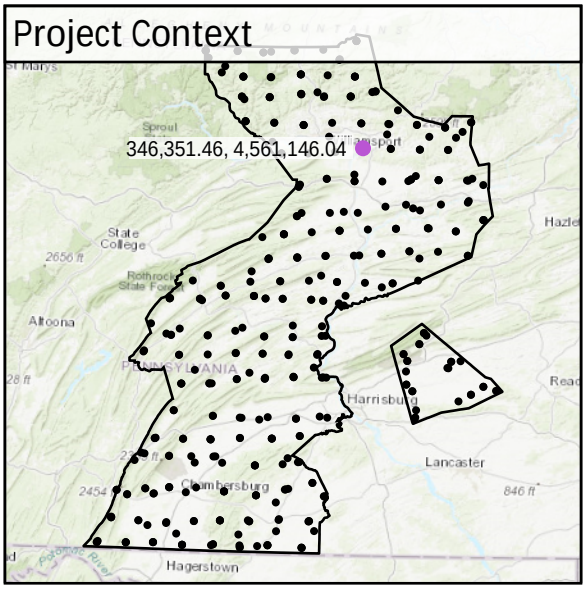
CAL - CA031

All Points TIN Dz +0.03 m

CA032

Known Z	155.11 m	Point Density	2.55 ppsm
DEM Dz	-0.01 m	Ground Density	2.55 ppsm
All Points TIN Dz	-0.01 m	Slope	1.06 °

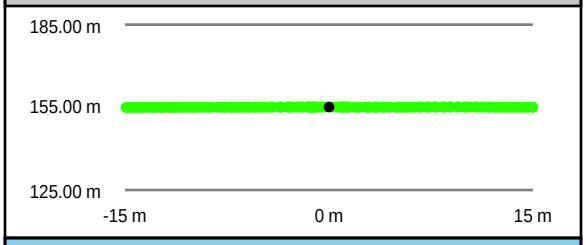
Project Context



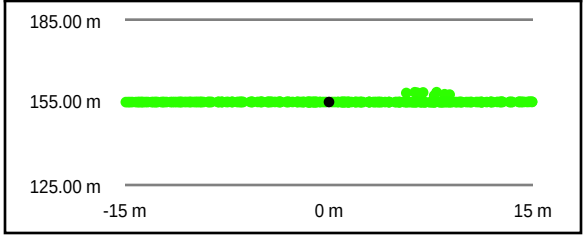
World Imagery



Southwest to Northeast



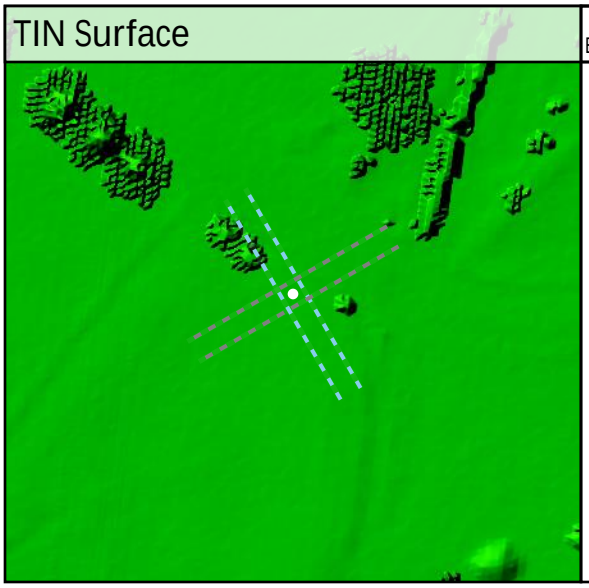
Southeast to Northwest



Intensity Raster



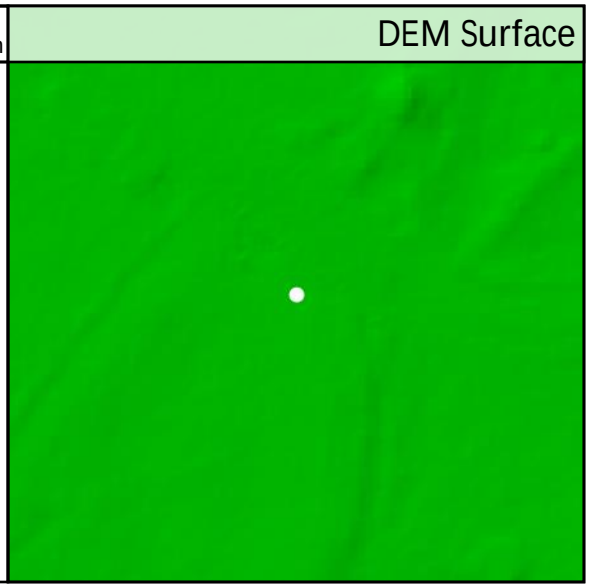
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.01 m

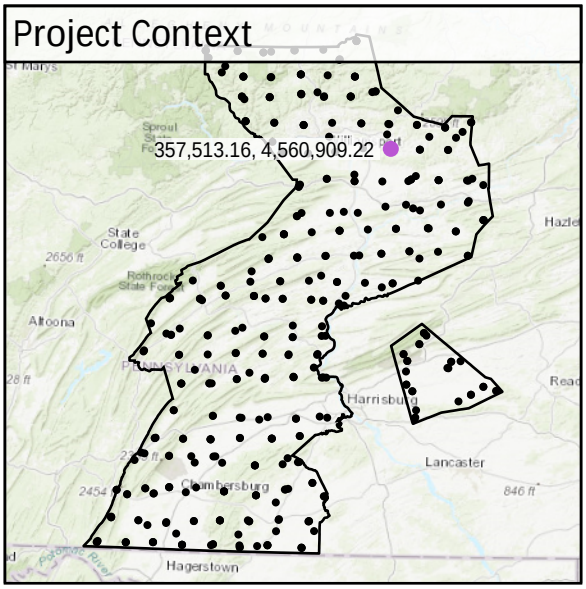
CAL - CA032

All Points TIN Dz -0.01 m

CA033

Known Z	207.21 m	Point Density	10.47 ppsm
DEM Dz	-0.01 m	Ground Density	2.62 ppsm
All Points TIN Dz	-0.01 m	Slope	3.91 °

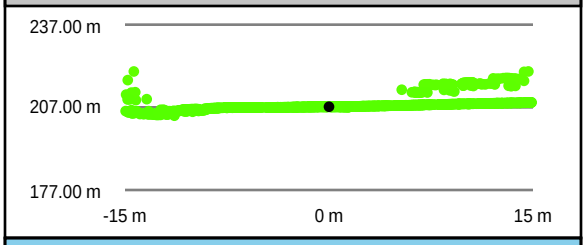
Project Context



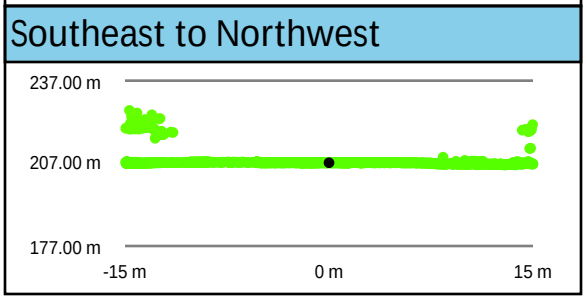
World Imagery



Southwest to Northeast



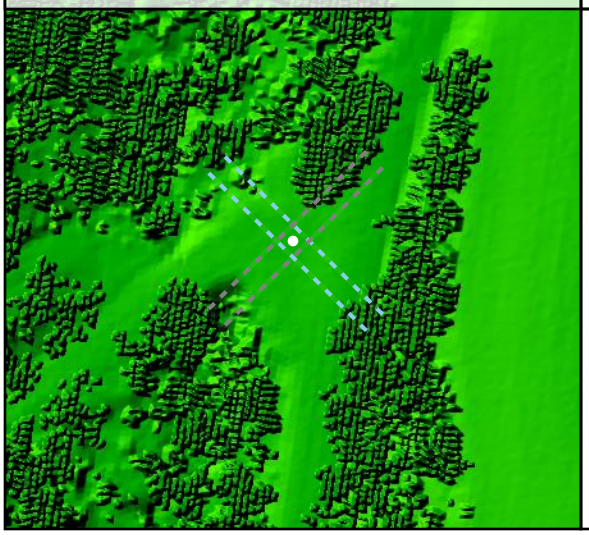
Southeast to Northwest



Intensity Raster



TIN Surface

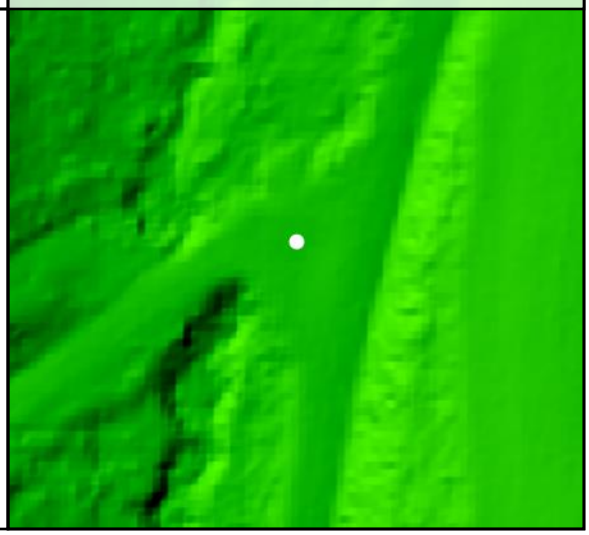


Project Elevation

716.97

103.02

DEM Surface



DEM Dz -0.01 m

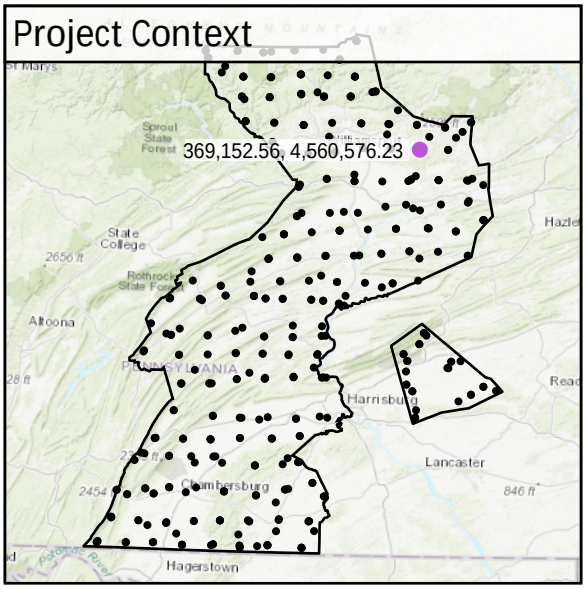
CAL - CA033

All Points TIN Dz -0.01 m

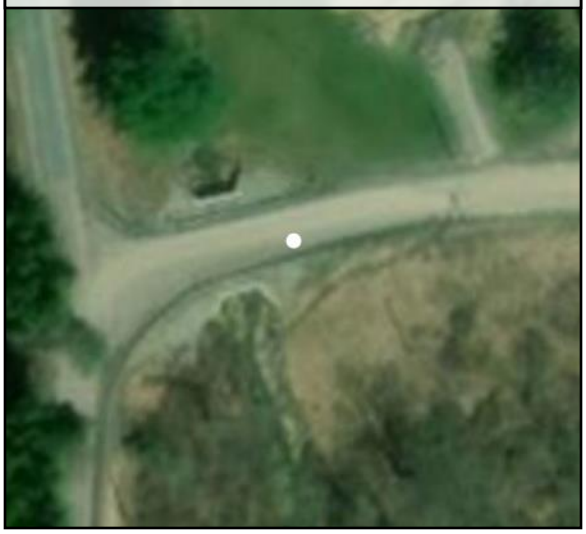
CA034

Known Z	284.18 m	Point Density	4.92 ppsm
DEM Dz	0.03 m	Ground Density	1.98 ppsm
All Points TIN Dz	0.03 m	Slope	2.63 °

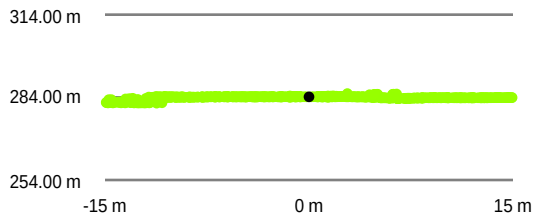
Project Context



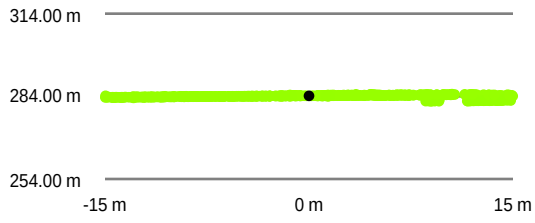
World Imagery



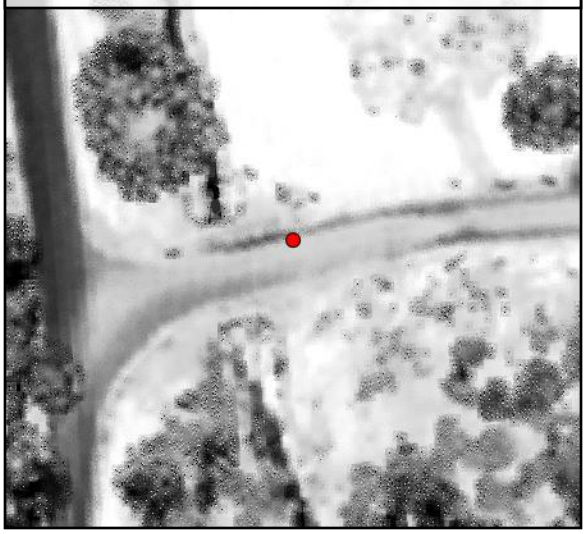
Southwest to Northeast



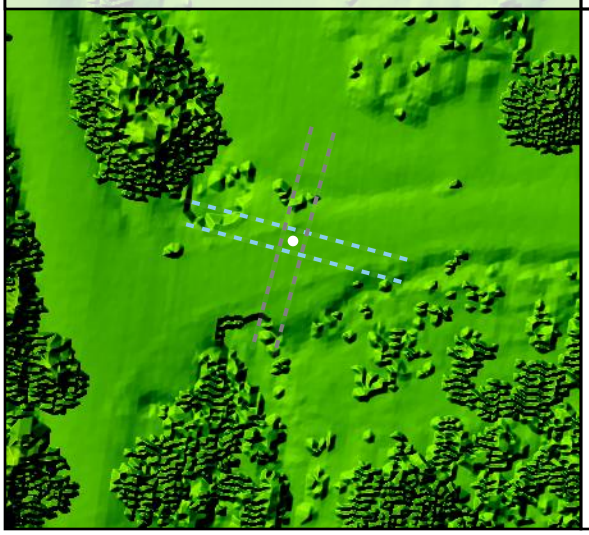
Southeast to Northwest



Intensity Raster



TIN Surface

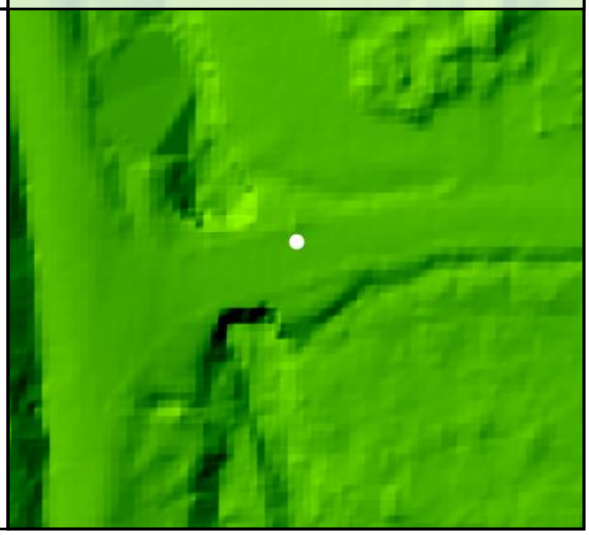


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.03 m

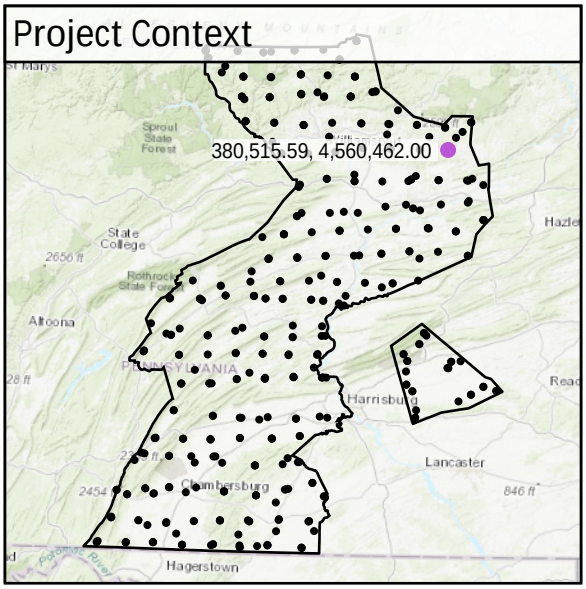
CAL - CA034

All Points TIN Dz +0.03 m

CA035

Known Z	259.21 m	Point Density	7.71 ppsm
DEM Dz	0.03 m	Ground Density	3.04 ppsm
All Points TIN Dz	0.03 m	Slope	2.45 °

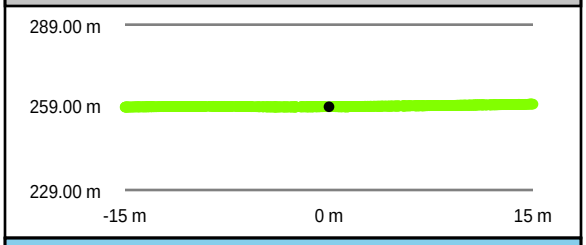
Project Context



World Imagery



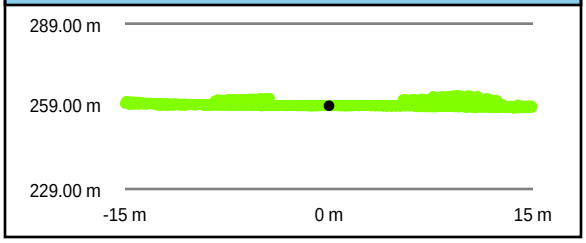
Southwest to Northeast



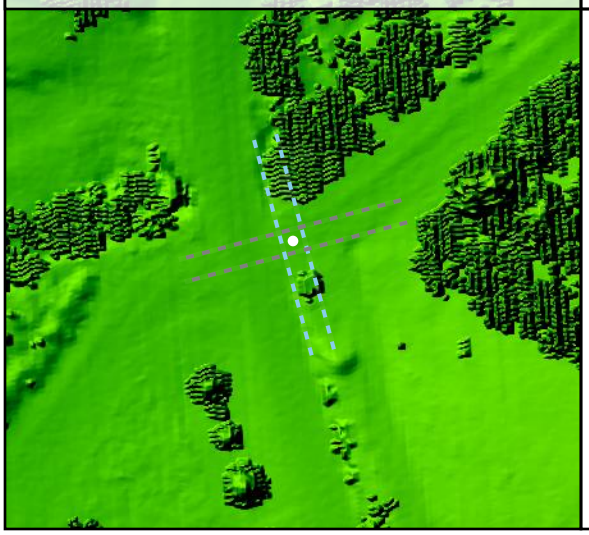
Intensity Raster



Southeast to Northwest



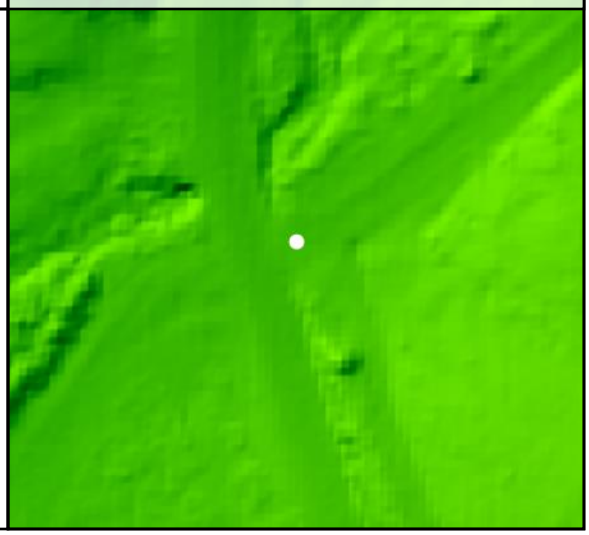
TIN Surface



Project Elevation



DEM Surface



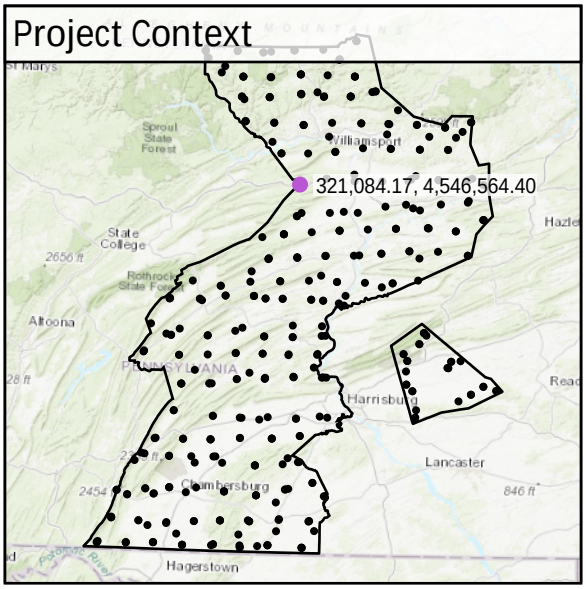
DEM Dz +0.03 m

CAL - CA035

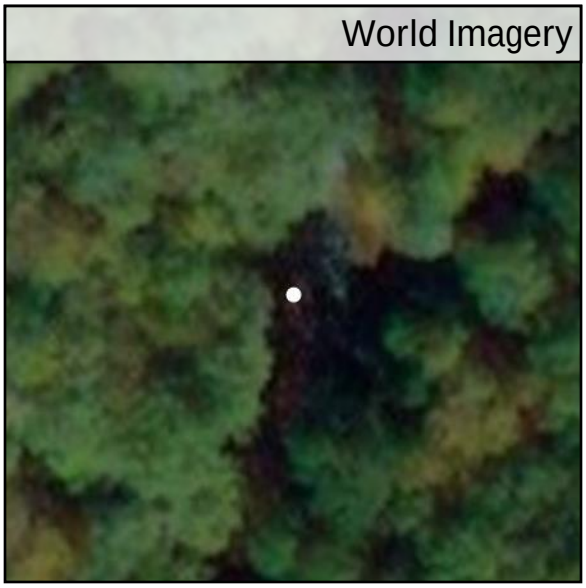
All Points TIN Dz +0.03 m

CA036				
	Known Z	471.22 m	Point Density	6.40 ppsm
	DEM Dz	-0.02 m	Ground Density	3.61 ppsm
	All Points TIN Dz	-0.01 m	Slope	0.80 °

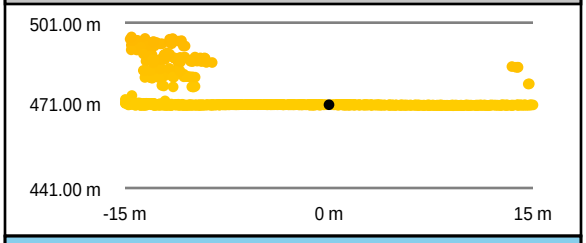
Project Context



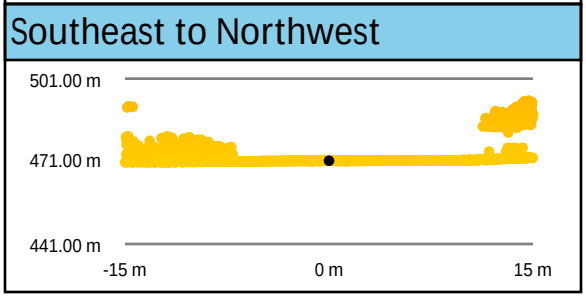
World Imagery



Southwest to Northeast



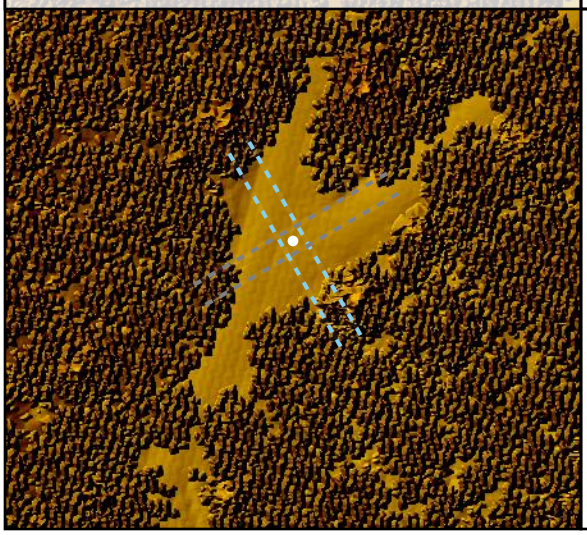
Southeast to Northwest



Intensity Raster



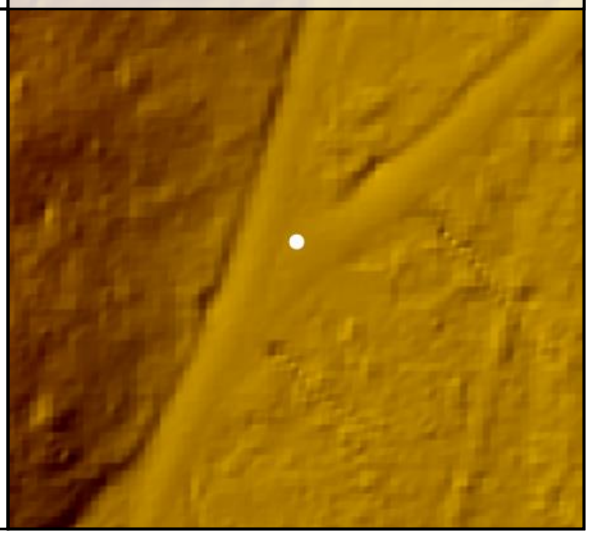
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.02 m

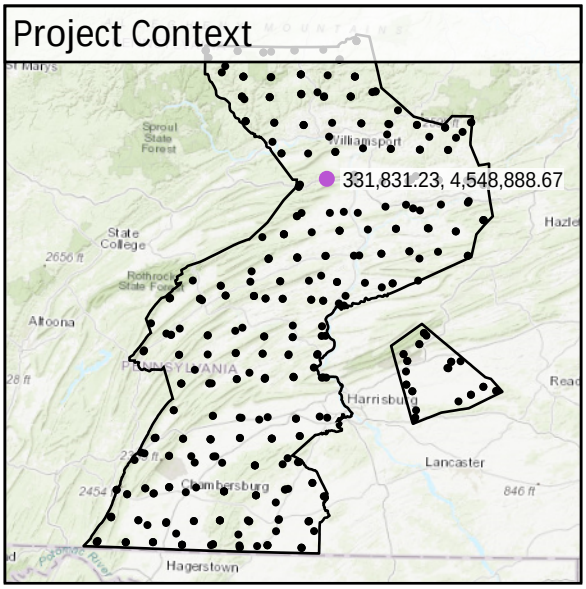
CAL - CA036

All Points TIN Dz -0.01 m

CA037

Known Z	250.28 m	Point Density	5.20 ppsm
DEM Dz	-0.06 m	Ground Density	2.48 ppsm
All Points TIN Dz	-0.06 m	Slope	2.42 °

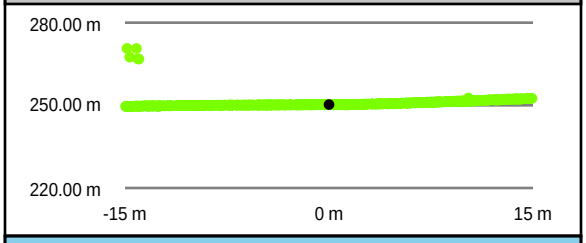
Project Context



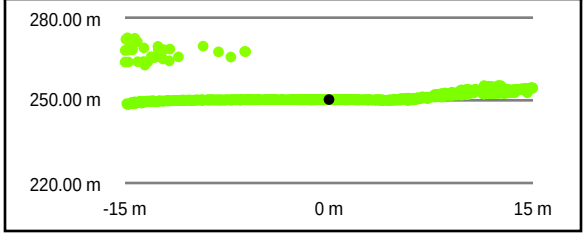
World Imagery



Southeast to Northwest



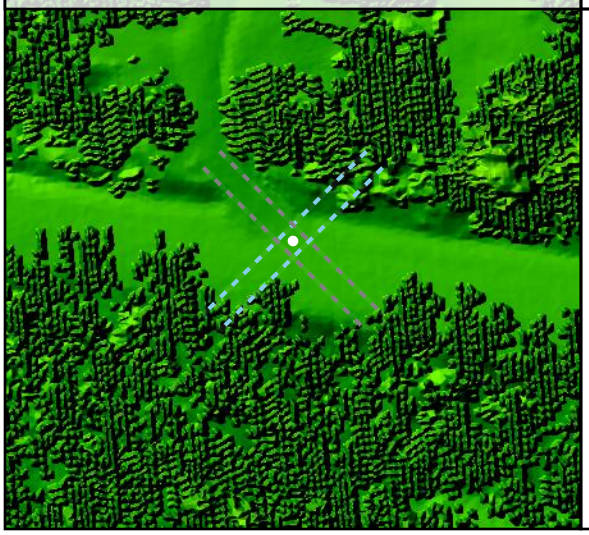
Southwest to Northeast



Intensity Raster



TIN Surface

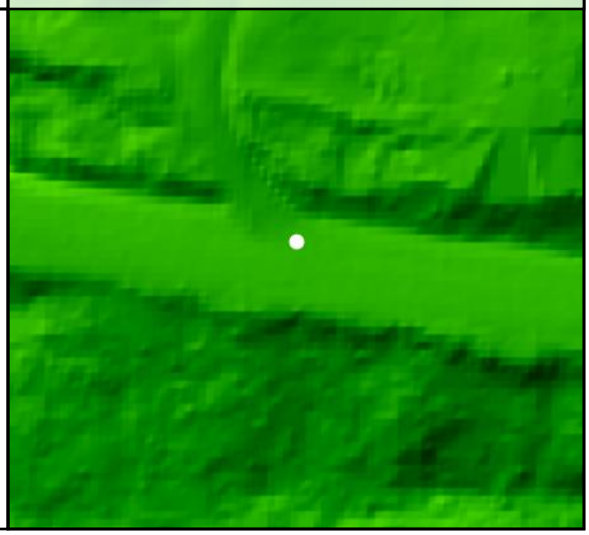


Project Elevation

716.97

103.02

DEM Surface



All Points TIN Dz -0.06 m

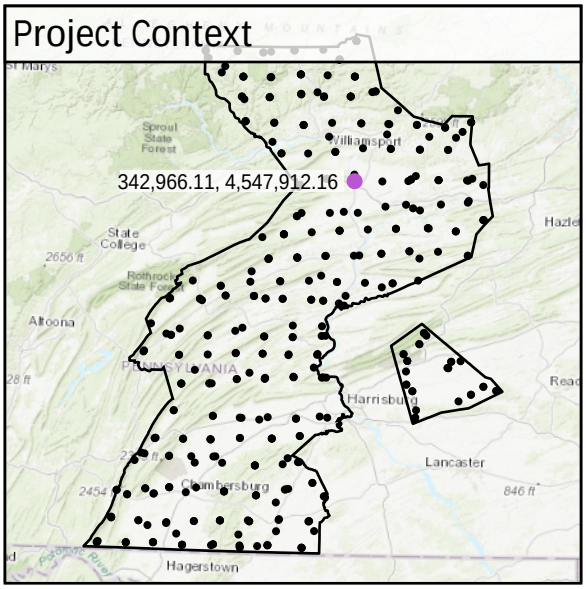
CAL - CA037

DEM Dz -0.06 m

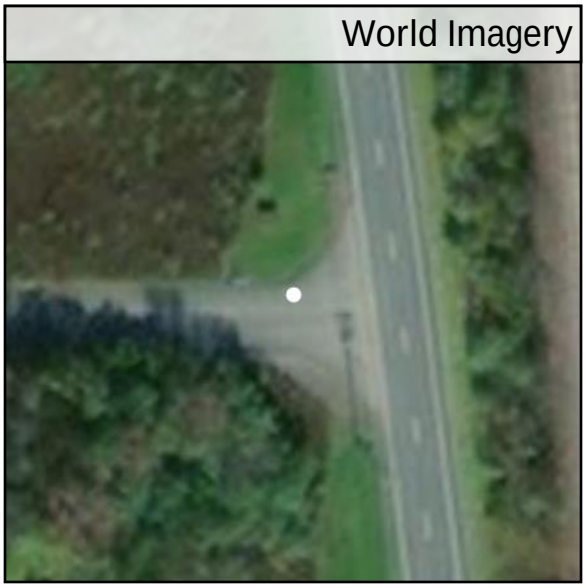
CA038

Known Z	150.73 m	Point Density	7.29 ppsm
DEM Dz	0.01 m	Ground Density	2.72 ppsm
All Points TIN Dz	0.01 m	Slope	1.06 °

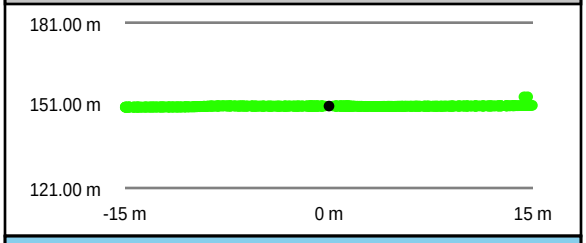
Project Context



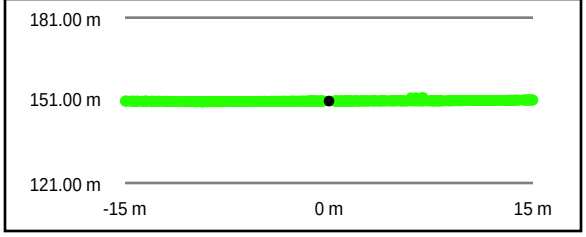
World Imagery



Southwest to Northeast



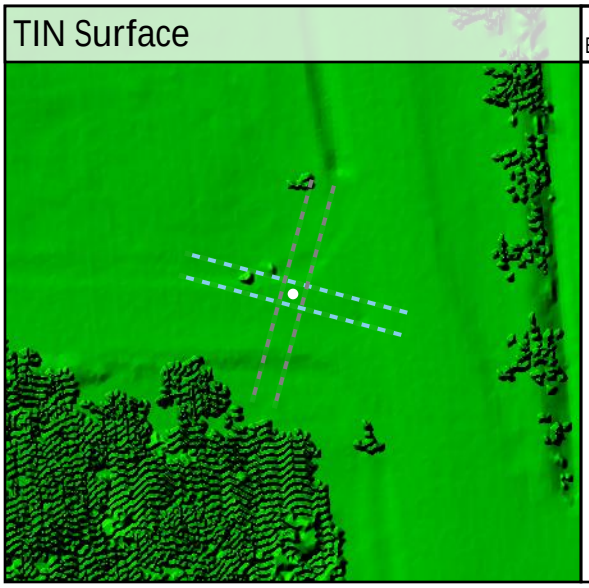
Southeast to Northwest



Intensity Raster



TIN Surface

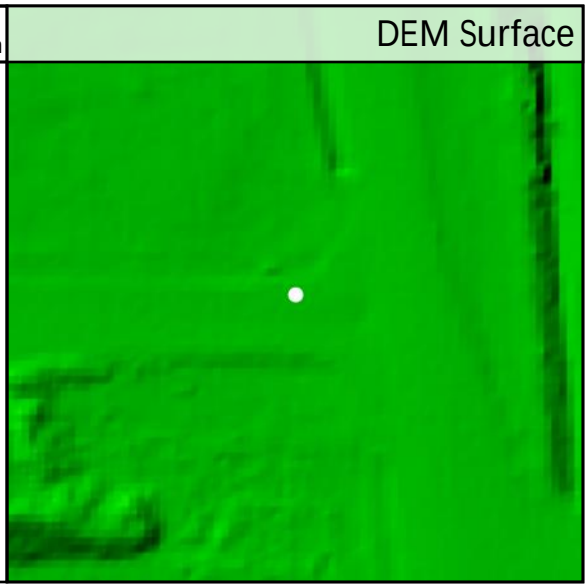


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.01 m

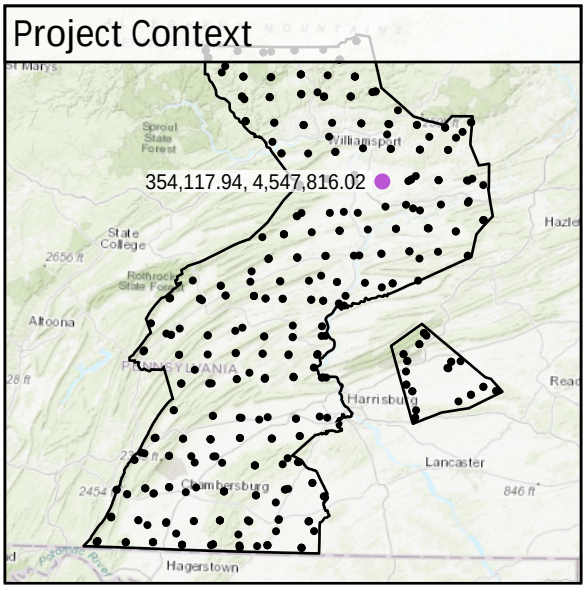
CAL - CA038

All Points TIN Dz +0.01 m

CA039

Known Z	191.30 m	Point Density	5.20 ppsm
DEM Dz	0.02 m	Ground Density	2.51 ppsm
All Points TIN Dz	0.02 m	Slope	5.07 °

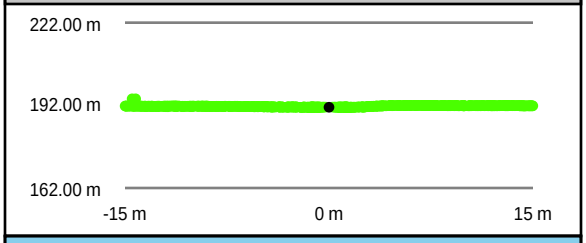
Project Context



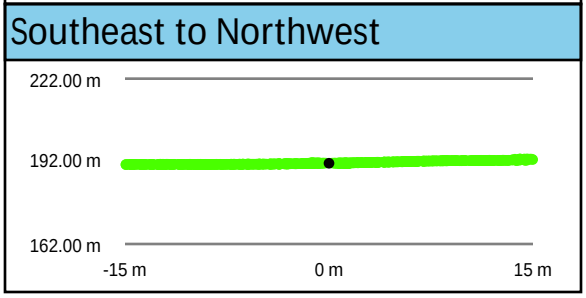
World Imagery



Southwest to Northeast



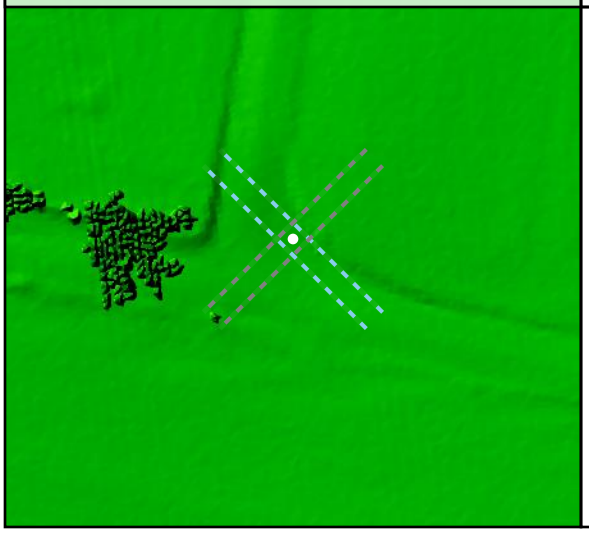
Southeast to Northwest



Intensity Raster



TIN Surface

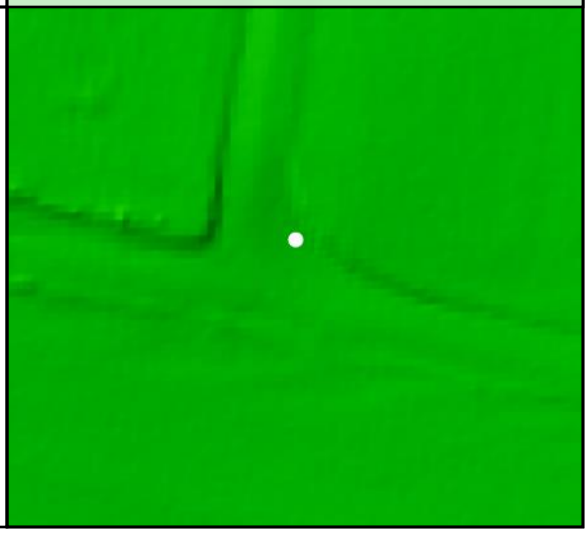


Project Elevation

716.97

103.02

DEM Surface



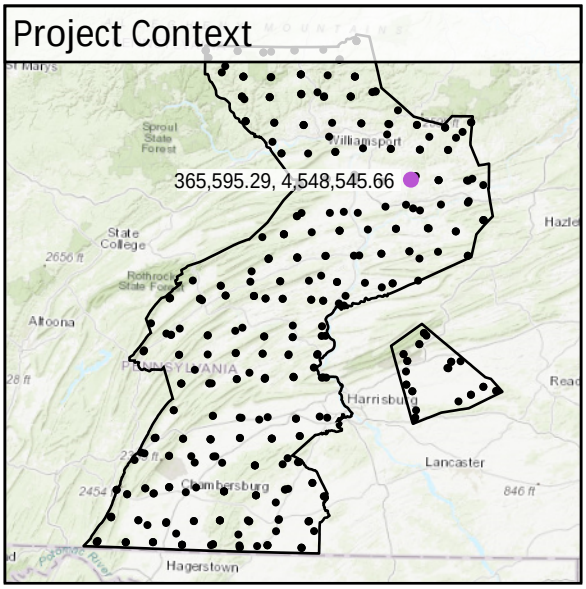
DEM Dz +0.02 m

CAL - CA039

All Points TIN Dz +0.02 m

CA040				
	Known Z	171.83 m	Point Density	6.01 ppsm
	DEM Dz	0.00 m	Ground Density	3.64 ppsm
	All Points TIN Dz	0.01 m	Slope	2.66 °

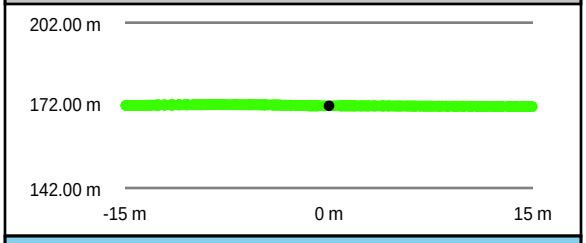
Project Context



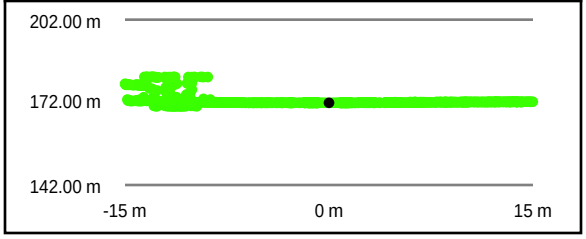
World Imagery



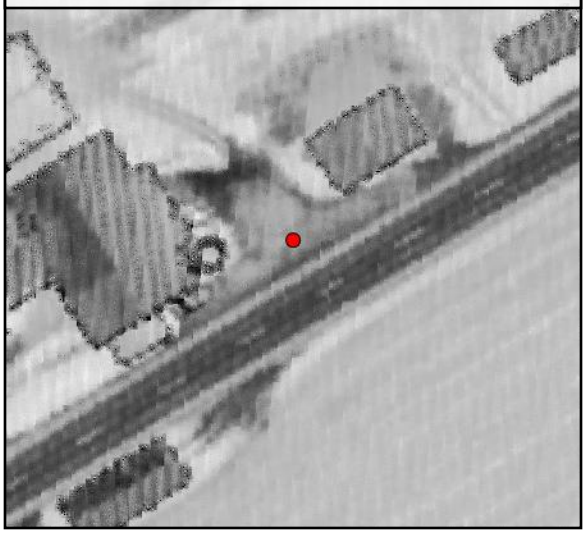
Southeast to Northwest



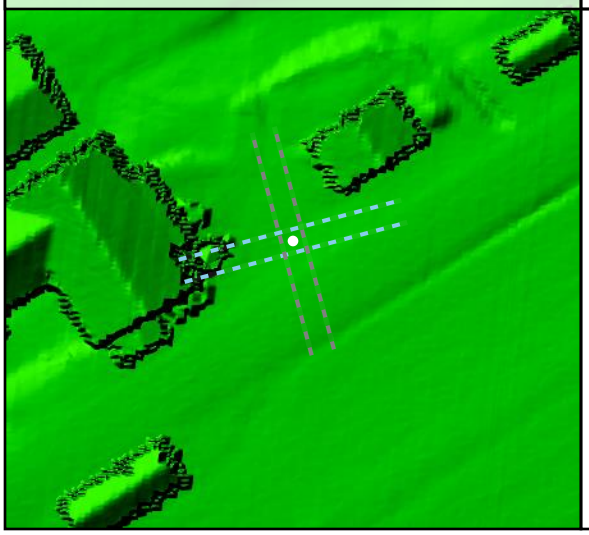
Southwest to Northeast



Intensity Raster



TIN Surface

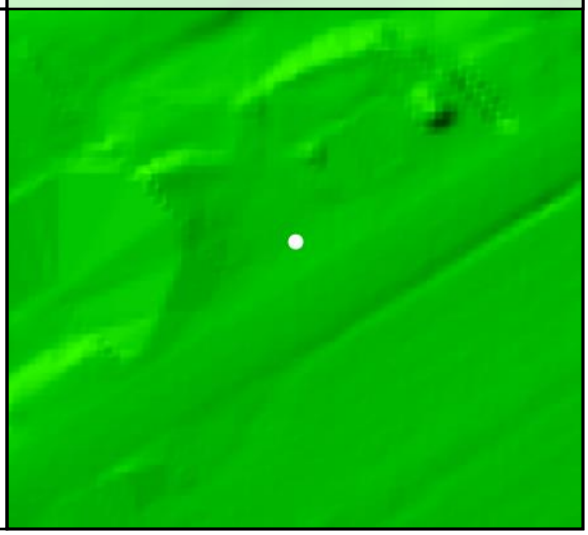


Project Elevation

716.97

103.02

DEM Surface



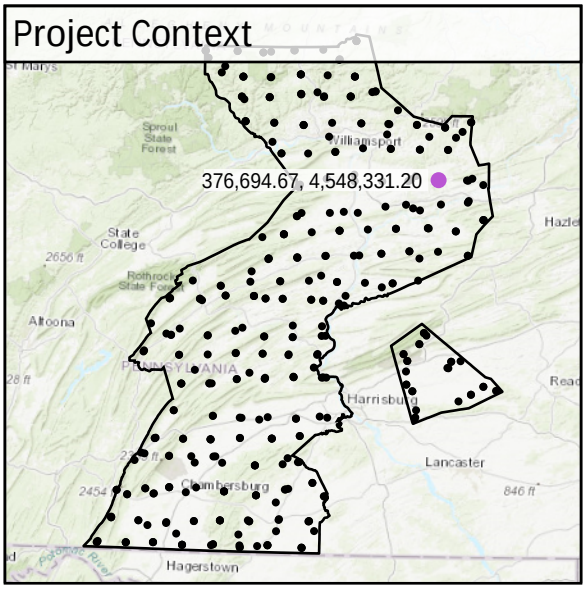
DEM Dz +0.00 m

CAL - CA040

All Points TIN Dz +0.01 m

CA041				
	Known Z	251.27 m	Point Density	4.28 ppsm
	DEM Dz	0.02 m	Ground Density	4.28 ppsm
	All Points TIN Dz	0.01 m	Slope	3.36 °

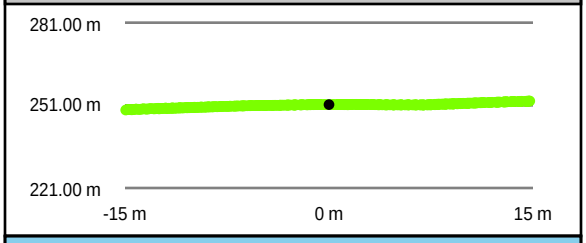
Project Context



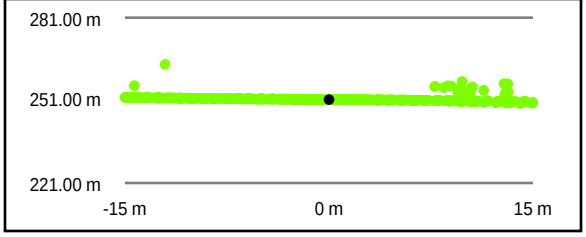
World Imagery



South to North



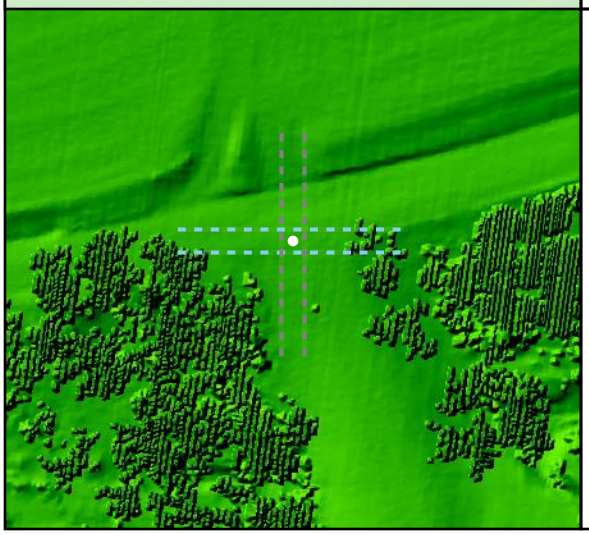
West to East



Intensity Raster



TIN Surface

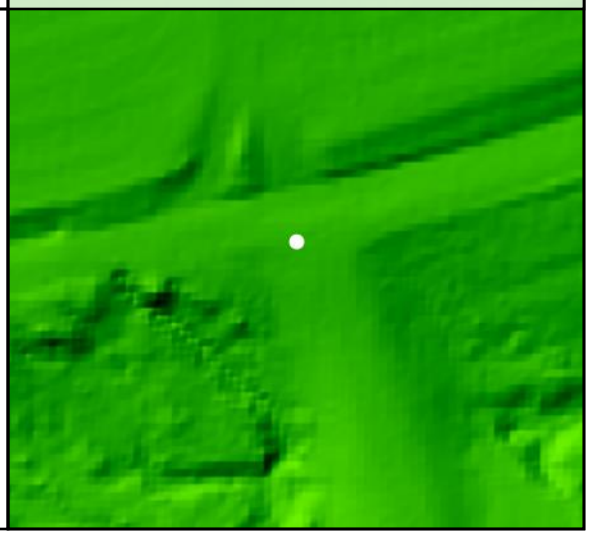


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.02 m

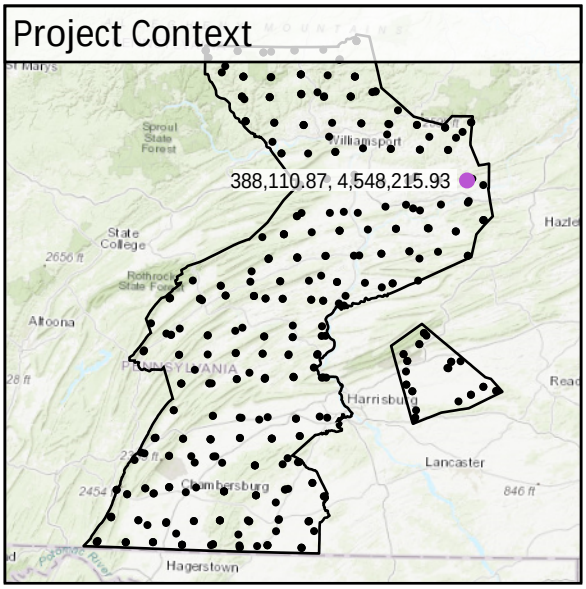
CAL - CA041

All Points TIN Dz +0.01 m

CA042

Known Z	260.60 m	Point Density	6.76 ppsm
DEM Dz	0.02 m	Ground Density	4.70 ppsm
All Points TIN Dz	0.02 m	Slope	3.26 °

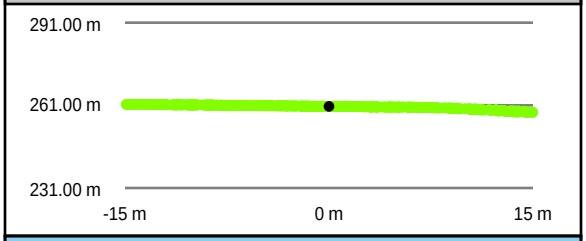
Project Context



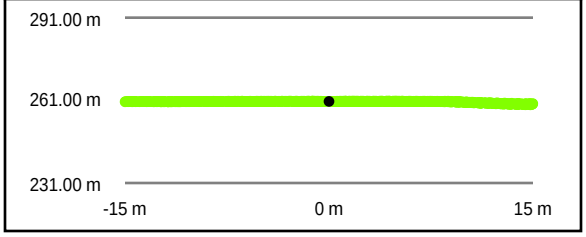
World Imagery



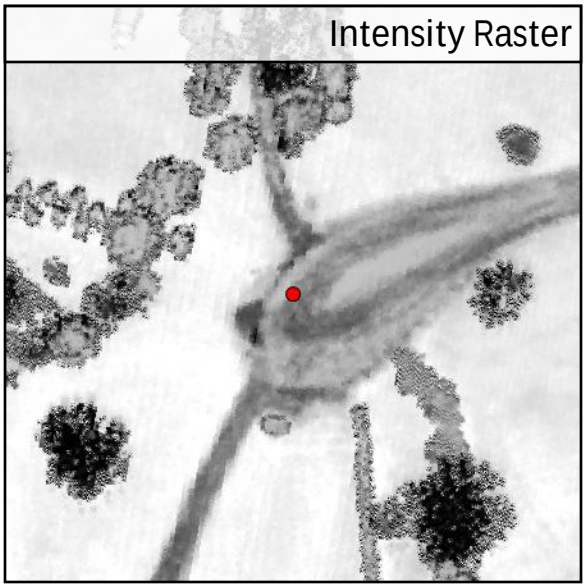
Southeast to Northwest



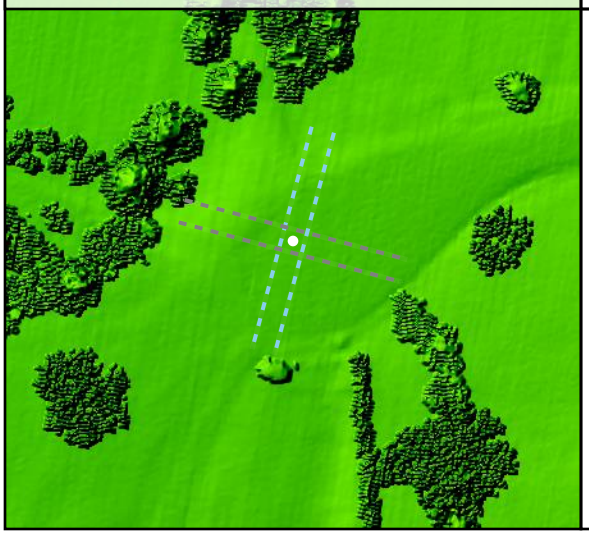
Southwest to Northeast



Intensity Raster



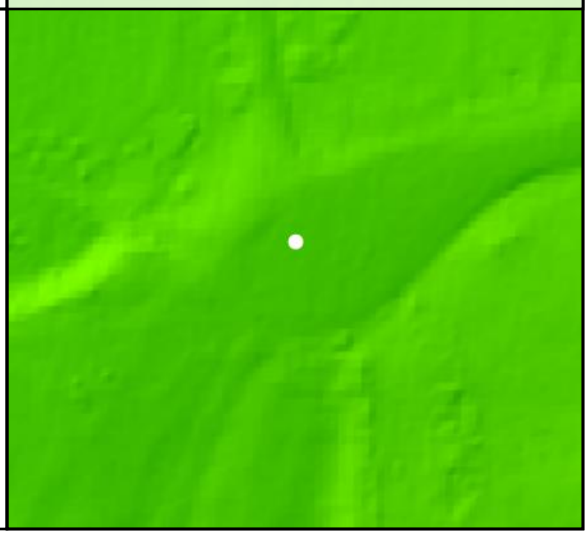
TIN Surface



Project Elevation



DEM Surface



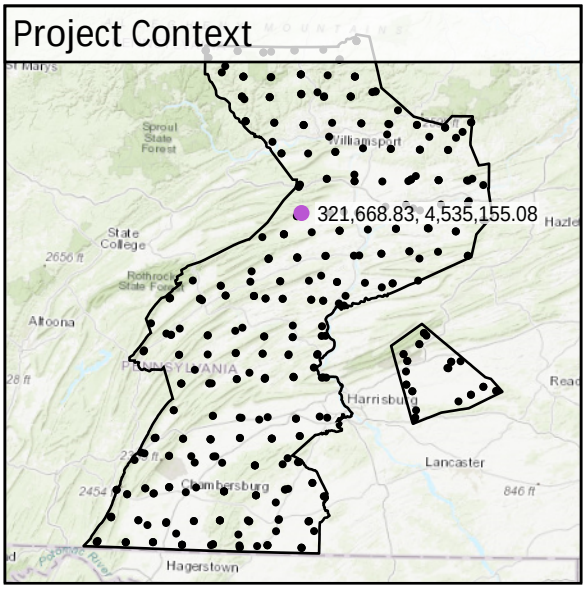
DEM Dz +0.02 m

CAL - CA042

All Points TIN Dz +0.02 m

CA043				
	Known Z	248.11 m	Point Density	6.76 ppsm
	DEM Dz	-0.02 m	Ground Density	4.03 ppsm
	All Points TIN Dz	-0.01 m	Slope	2.25 °

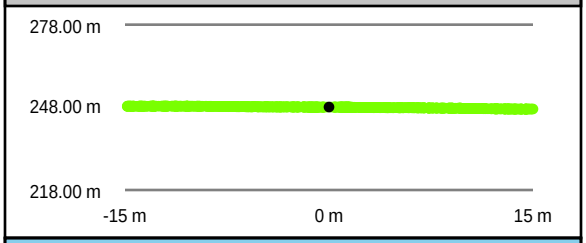
Project Context



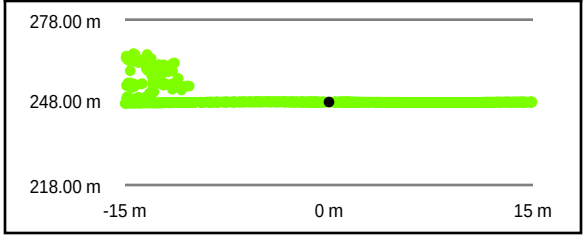
World Imagery



Southeast to Northwest



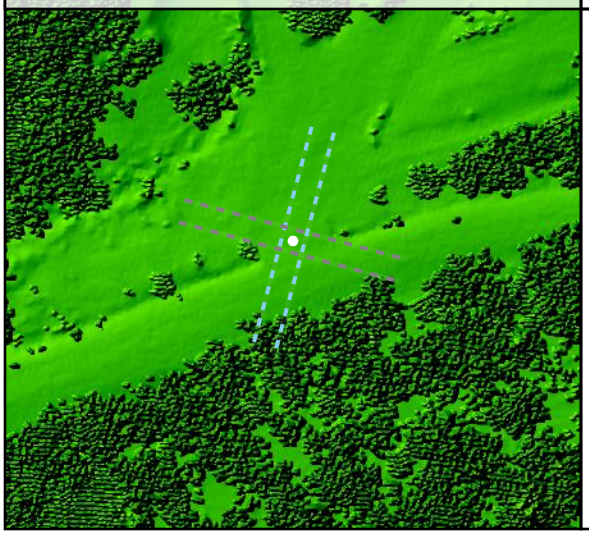
Southwest to Northeast



Intensity Raster



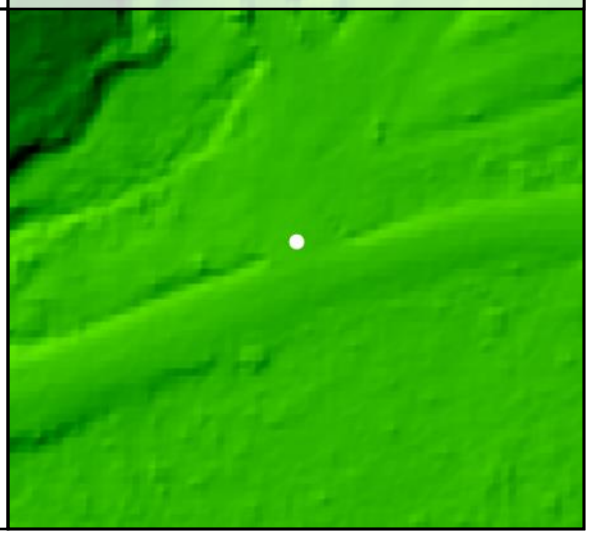
TIN Surface



Project Elevation



DEM Surface



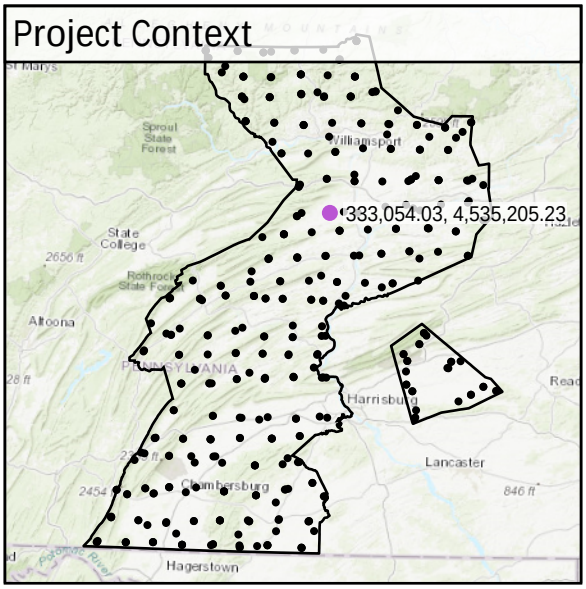
DEM Dz -0.02 m

CAL - CA043

All Points TIN Dz -0.01 m

CA044				
	Known Z	161.70 m	Point Density	6.72 ppsm
	DEM Dz	0.00 m	Ground Density	3.61 ppsm
	All Points TIN Dz	-0.01 m	Slope	5.06 °

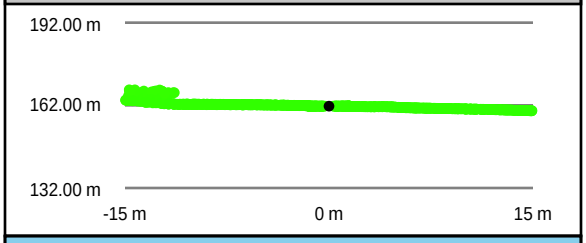
Project Context



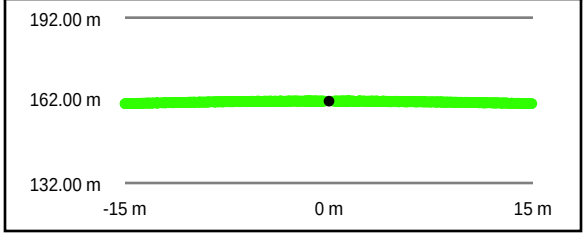
World Imagery



Southwest to Northeast



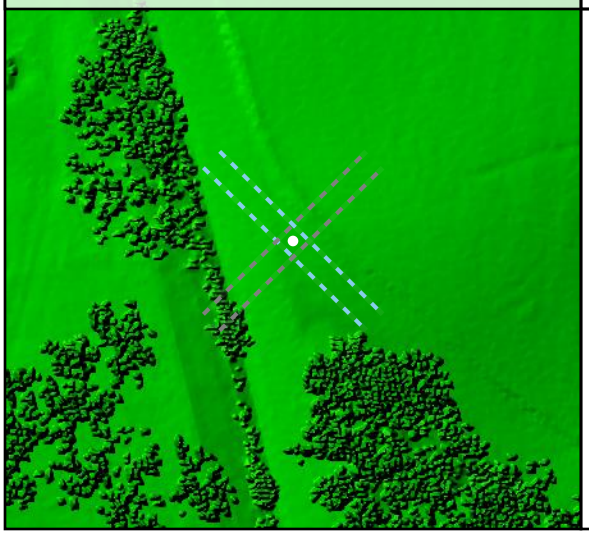
Southeast to Northwest



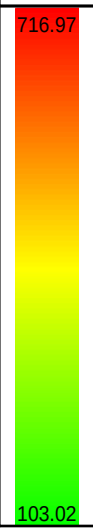
Intensity Raster



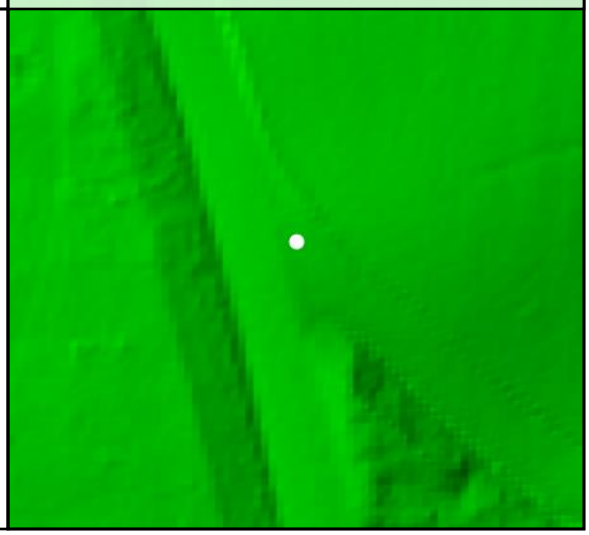
TIN Surface



Project Elevation



DEM Surface



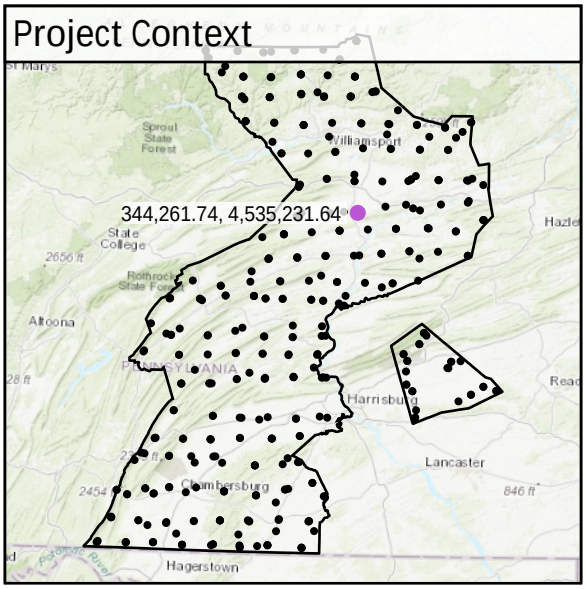
DEM Dz 0.00 m

CAL - CA044

All Points TIN Dz -0.01 m

CA045				
	Known Z	154.31 m	Point Density	3.89 ppsm
	DEM Dz	0.02 m	Ground Density	3.89 ppsm
	All Points TIN Dz	0.02 m	Slope	1.41 °

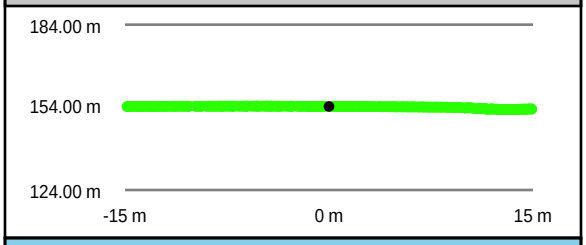
Project Context



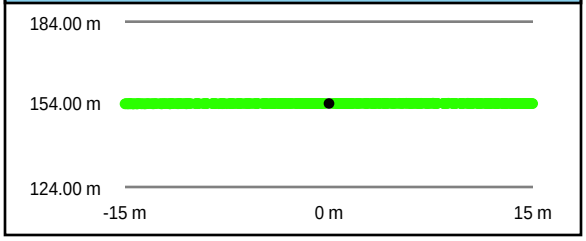
World Imagery



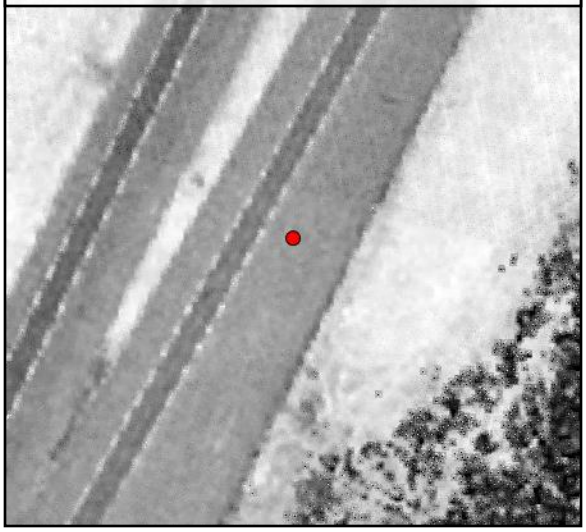
West to East



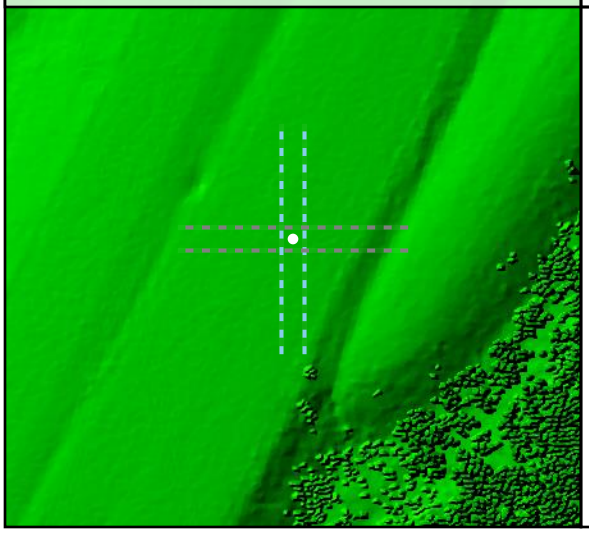
South to North



Intensity Raster



TIN Surface

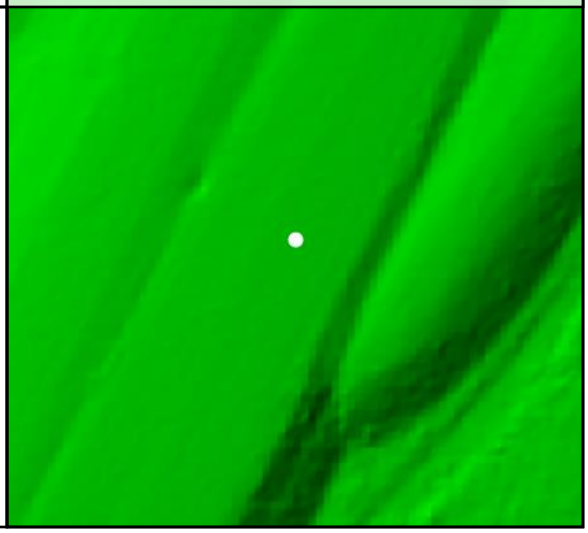


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.02 m

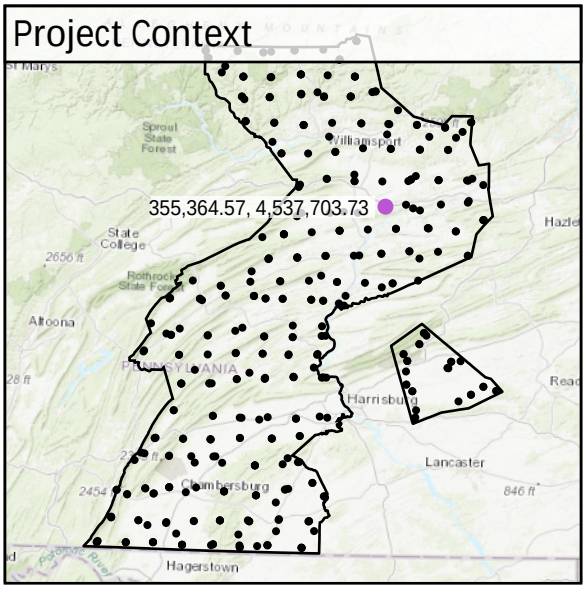
CAL - CA045

All Points TIN Dz +0.02 m

CA046

Known Z	169.50 m	Point Density	7.39 ppsm
DEM Dz	-0.03 m	Ground Density	4.17 ppsm
All Points TIN Dz	-0.02 m	Slope	2.06 °

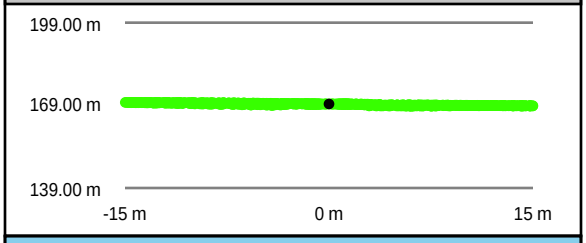
Project Context



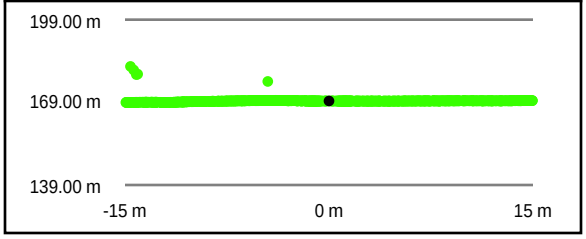
World Imagery



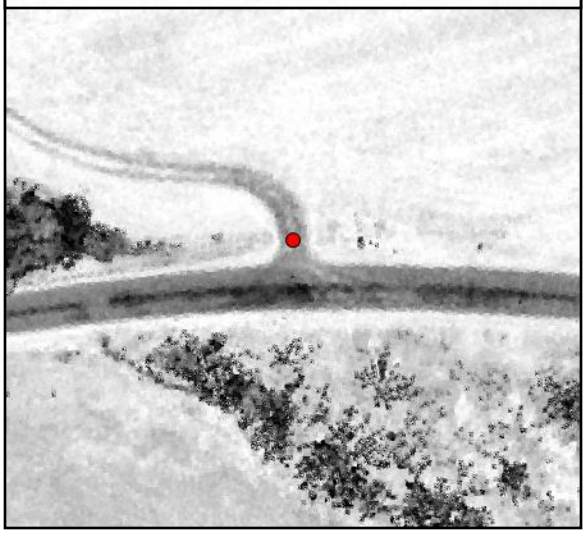
Southeast to Northwest



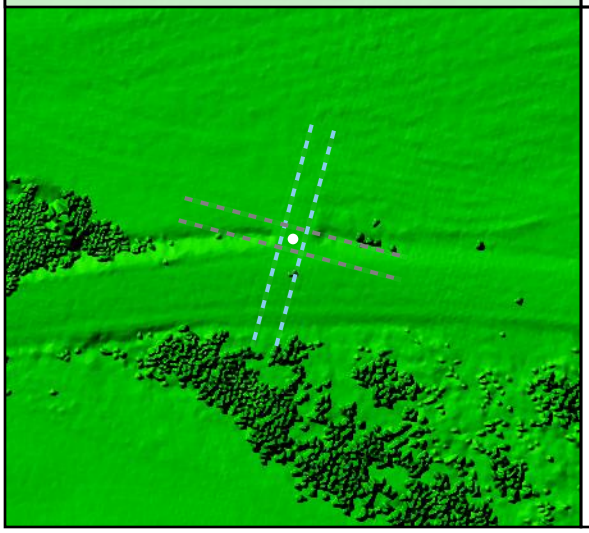
Southwest to Northeast



Intensity Raster



TIN Surface

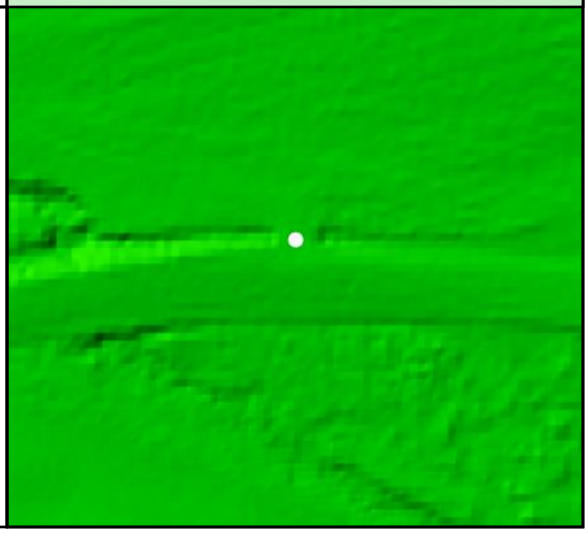


Project Elevation

716.97

103.02

DEM Surface



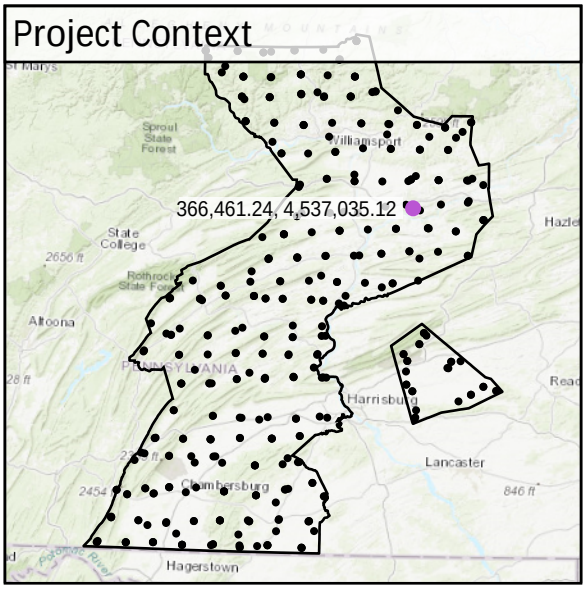
DEM Dz -0.03 m

CAL - CA046

All Points TIN Dz -0.02 m

CA047				
	Known Z	218.86 m	Point Density	6.30 ppsm
	DEM Dz	0.00 m	Ground Density	3.43 ppsm
	All Points TIN Dz	0.01 m	Slope	0.13 °

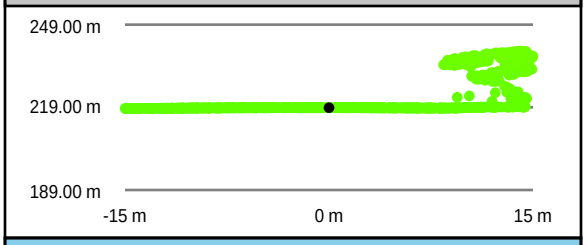
Project Context



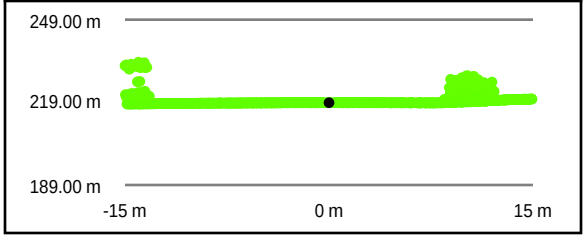
World Imagery



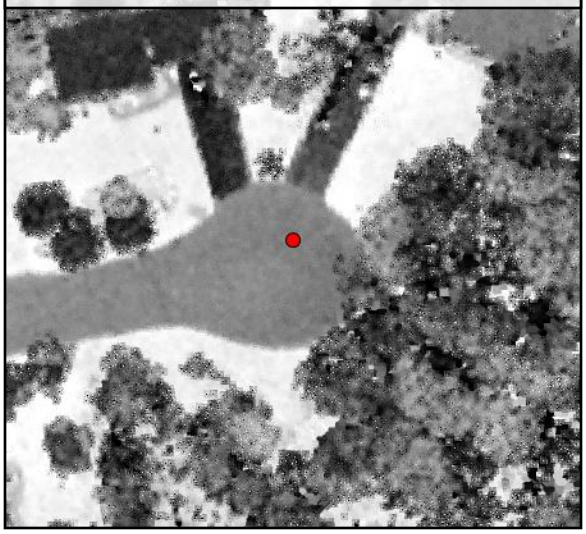
Southwest to Northeast



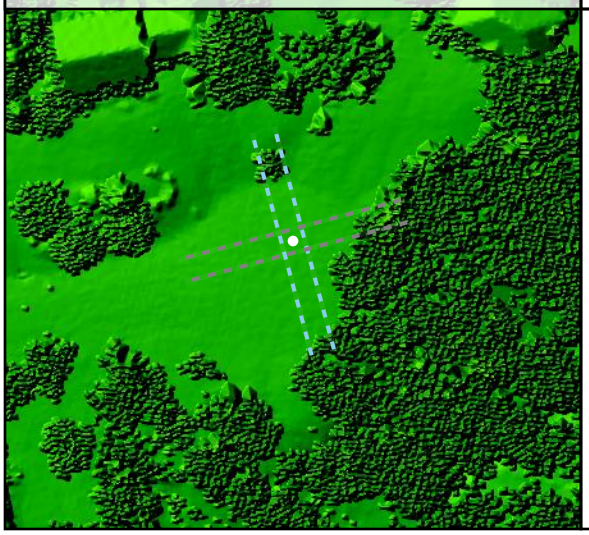
Southeast to Northwest



Intensity Raster



TIN Surface

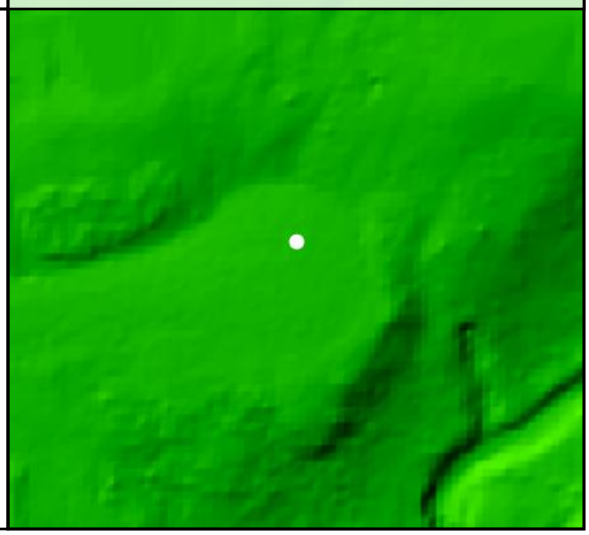


Project Elevation

716.97

103.02

DEM Surface



DEM Dz 0.00 m

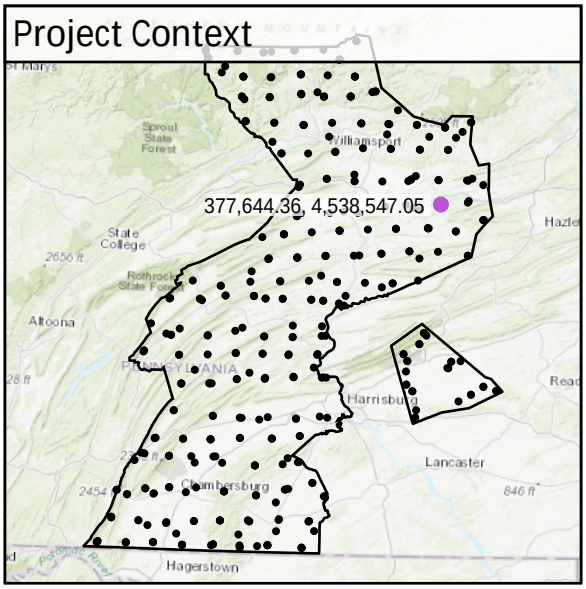
CAL - CA047

All Points TIN Dz +0.01 m

CA048

Known Z	144.20 m	Point Density	3.68 ppsm
DEM Dz	0.01 m	Ground Density	3.68 ppsm
All Points TIN Dz	0.02 m	Slope	0.95 °

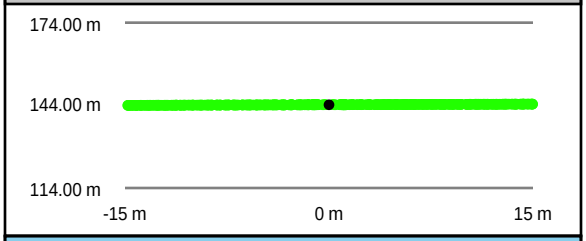
Project Context



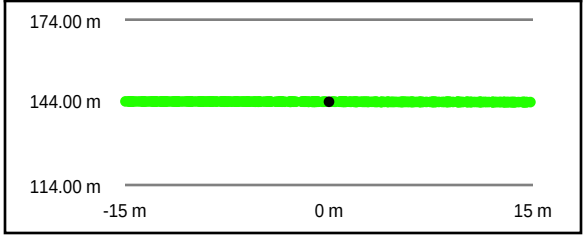
World Imagery



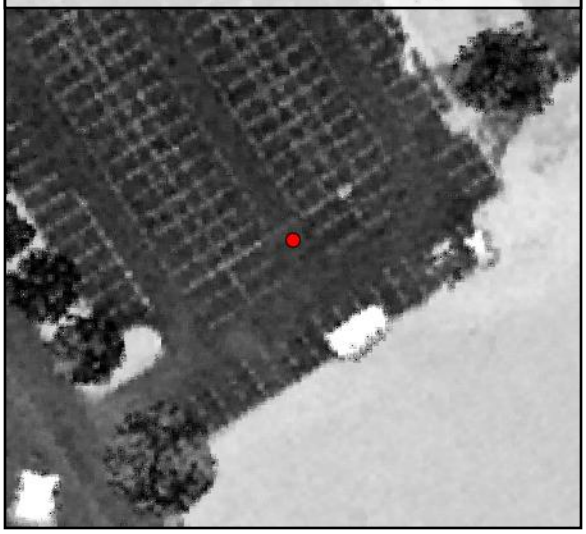
Southwest to Northeast



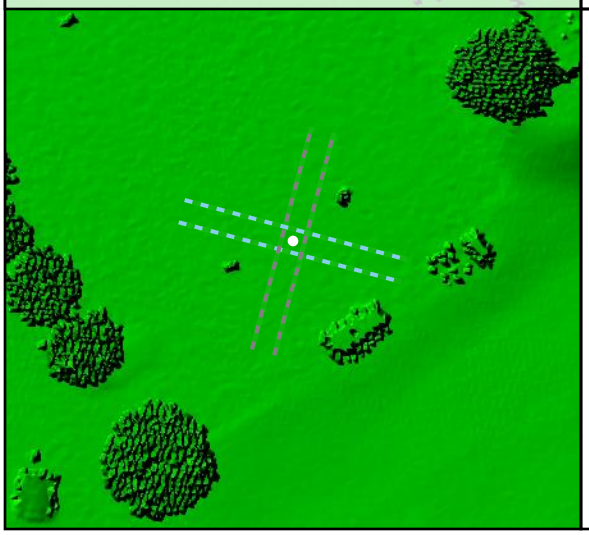
Southeast to Northwest



Intensity Raster



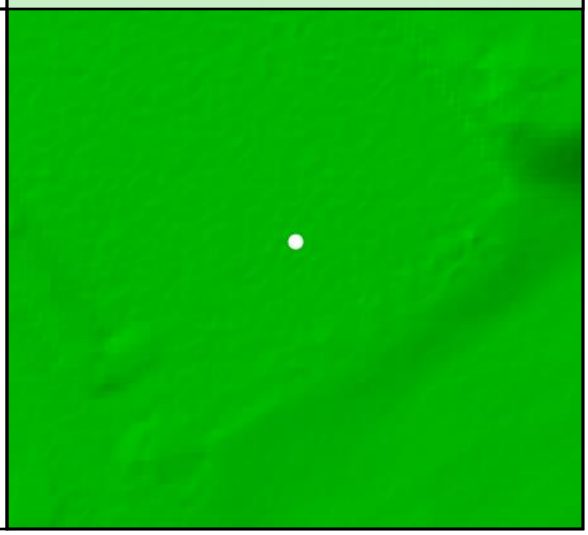
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.01 m

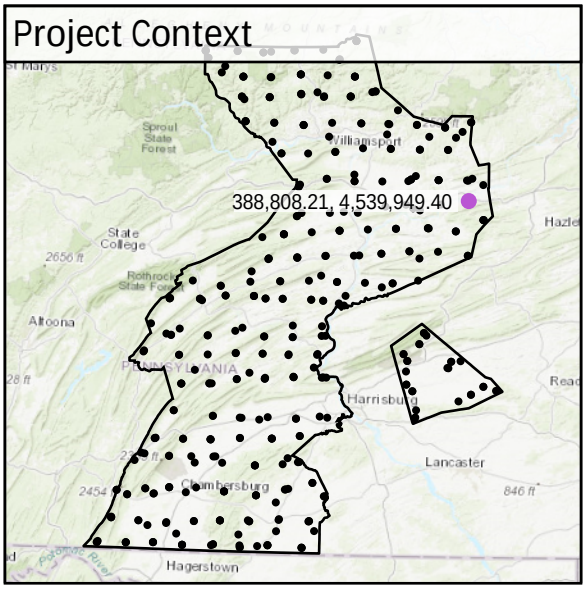
CAL - CA048

All Points TIN Dz +0.02 m

CA049

Known Z	184.84 m	Point Density	6.44 ppsm
DEM Dz	0.05 m	Ground Density	3.82 ppsm
All Points TIN Dz	0.05 m	Slope	2.10 °

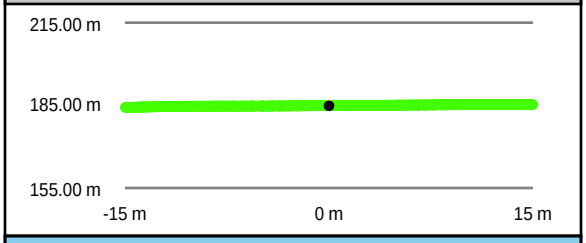
Project Context



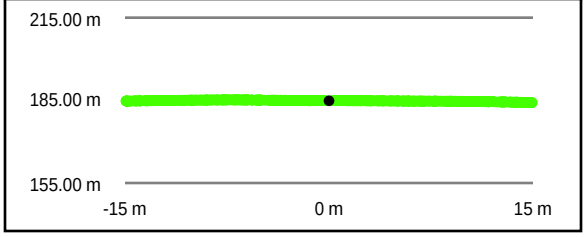
World Imagery



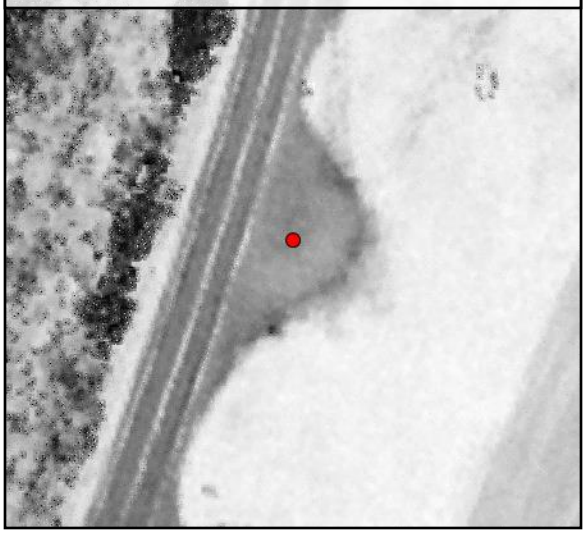
Southeast to Northwest



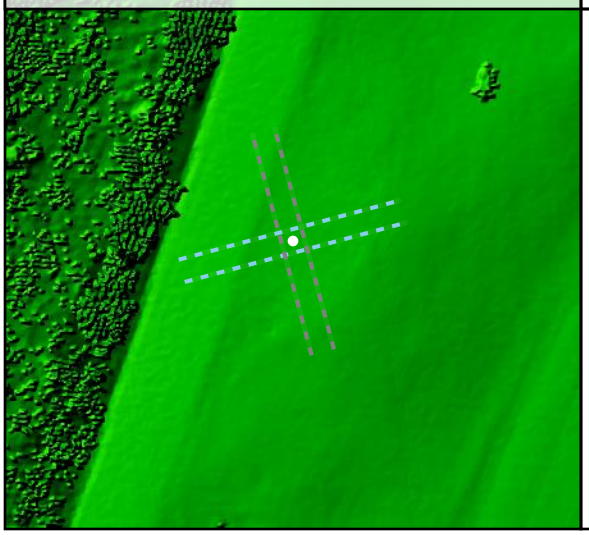
Southwest to Northeast



Intensity Raster



TIN Surface

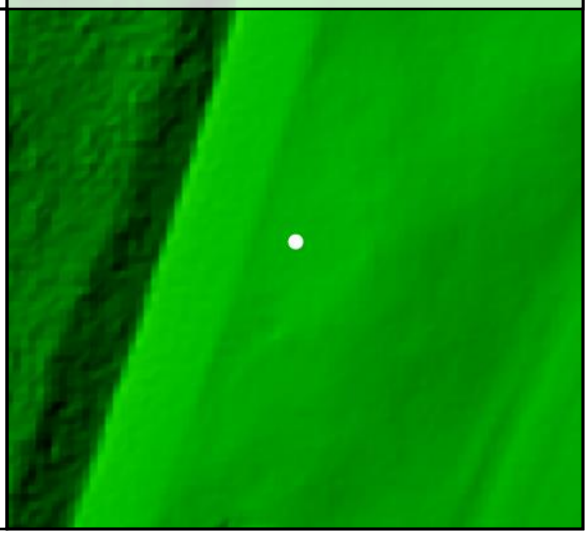


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.05 m

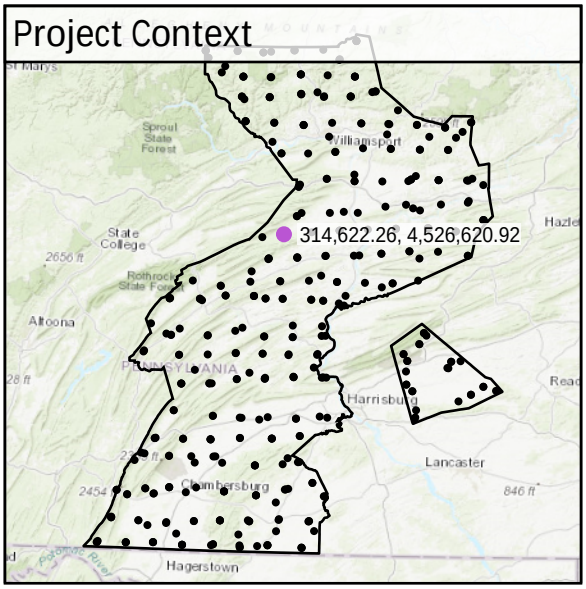
CAL - CA049

All Points TIN Dz +0.05 m

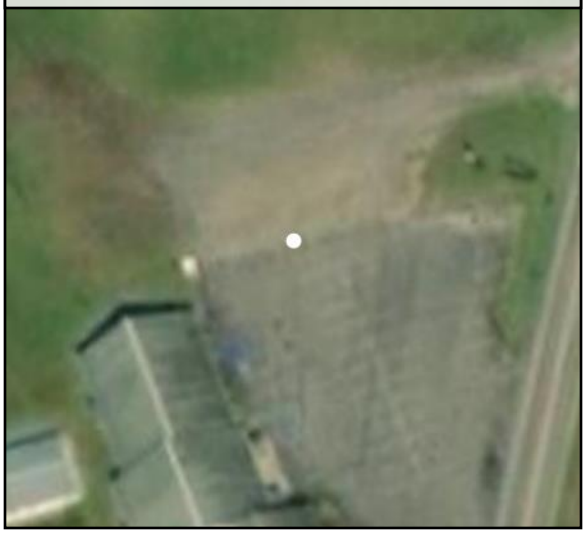
CA050

Known Z	184.47 m	Point Density	6.47 ppsm
DEM Dz	-0.02 m	Ground Density	3.36 ppsm
All Points TIN Dz	0.00 m	Slope	1.56 °

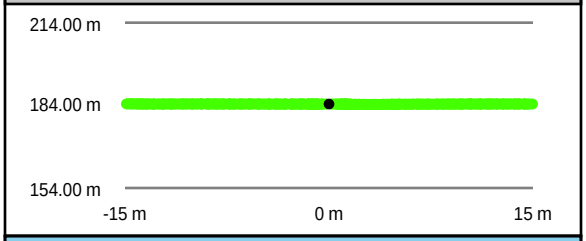
Project Context



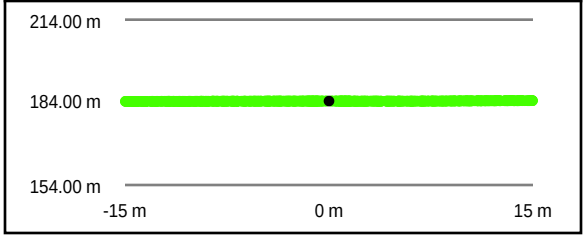
World Imagery



Southwest to Northeast



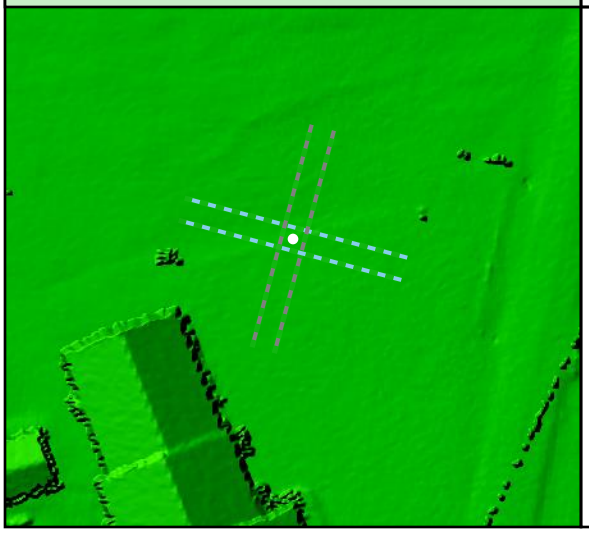
Southeast to Northwest



Intensity Raster



TIN Surface

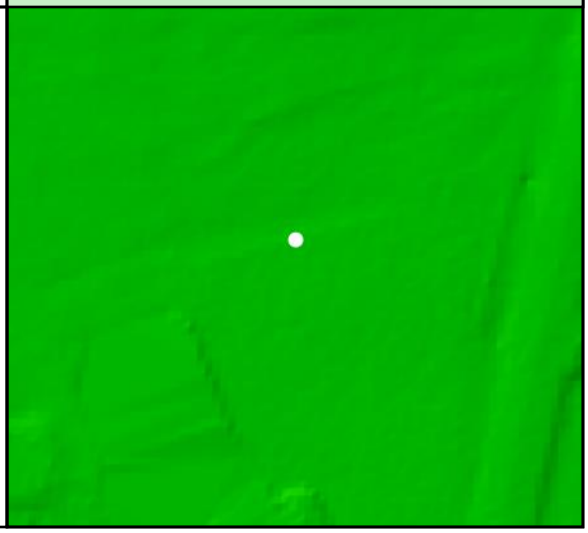


Project Elevation

716.97

103.02

DEM Surface



DEM Dz -0.02 m

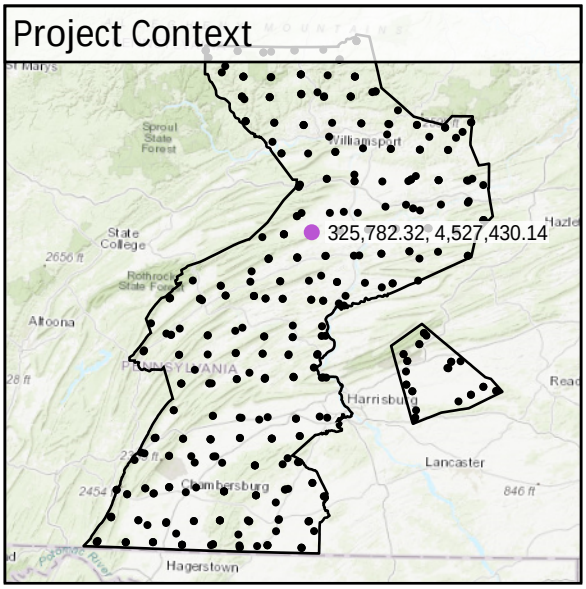
CAL - CA050

All Points TIN Dz +0.00 m

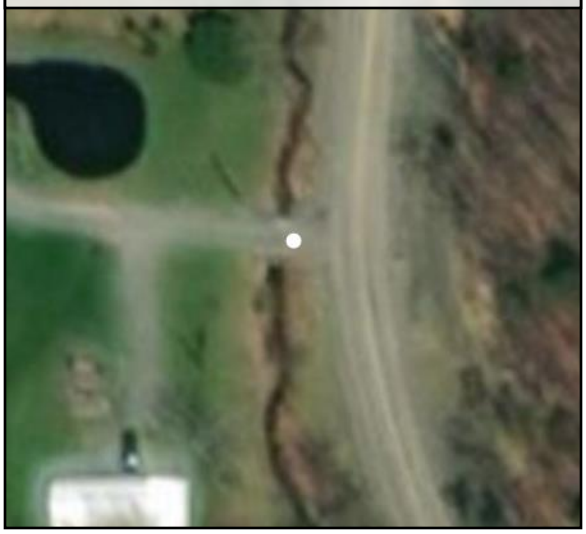
CA051

Known Z	167.60 m	Point Density	6.72 ppsm
DEM Dz	0.00 m	Ground Density	3.68 ppsm
All Points TIN Dz	0.00 m	Slope	2.68 °

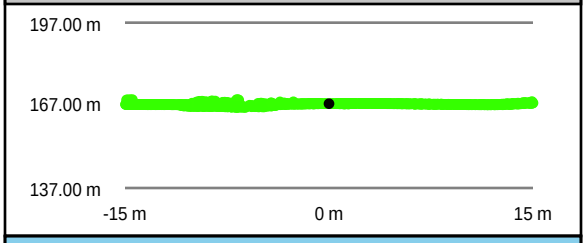
Project Context



World Imagery



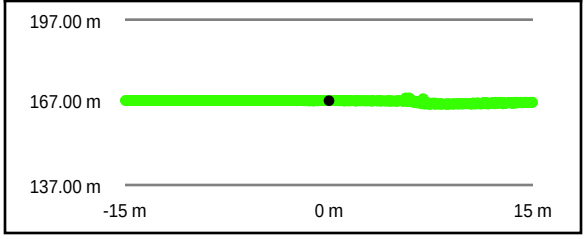
Southwest to Northeast



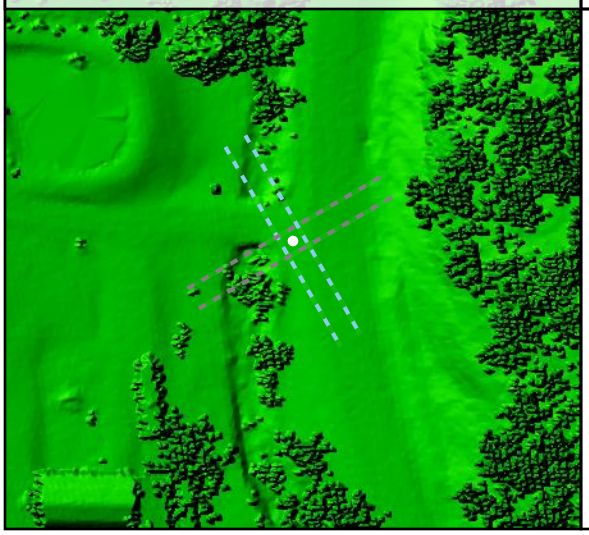
Intensity Raster



Southeast to Northwest



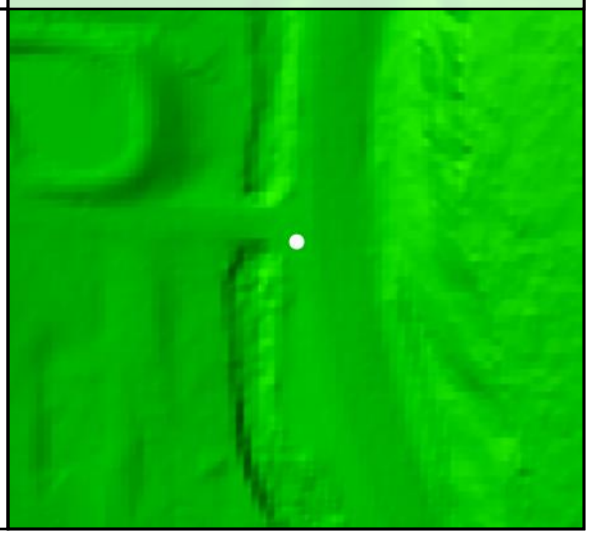
TIN Surface



Project Elevation



DEM Surface



All Points TIN Dz 0.00 m

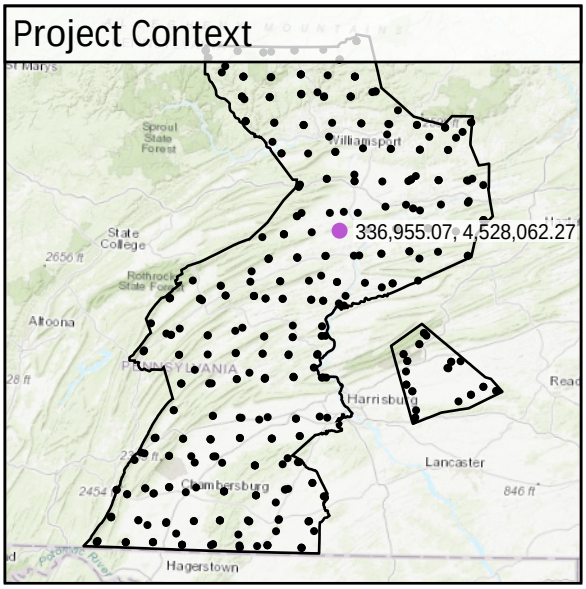
CAL - CA051

DEM Dz 0.00 m

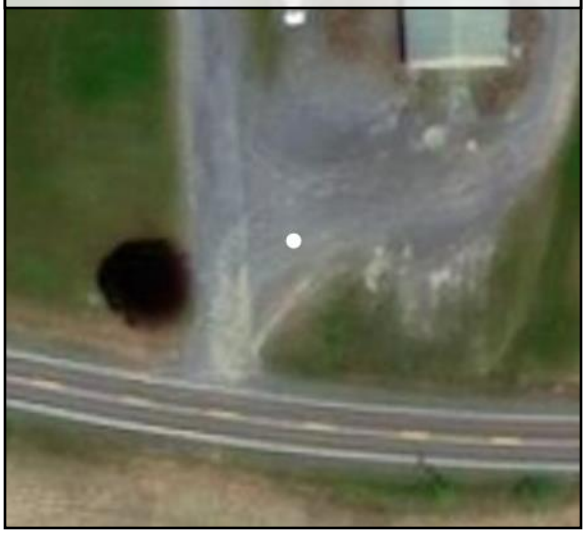
CA052

Known Z	162.44 m	Point Density	7.07 ppsm
DEM Dz	-0.03 m	Ground Density	4.10 ppsm
All Points TIN Dz	-0.03 m	Slope	2.61 °

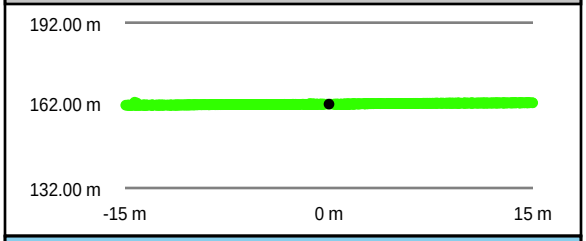
Project Context



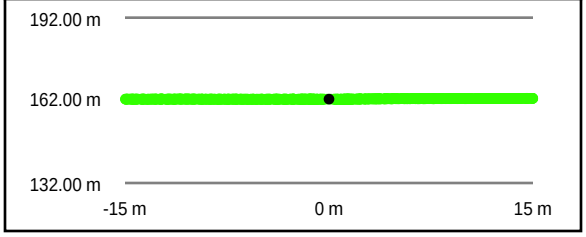
World Imagery



Southwest to Northeast



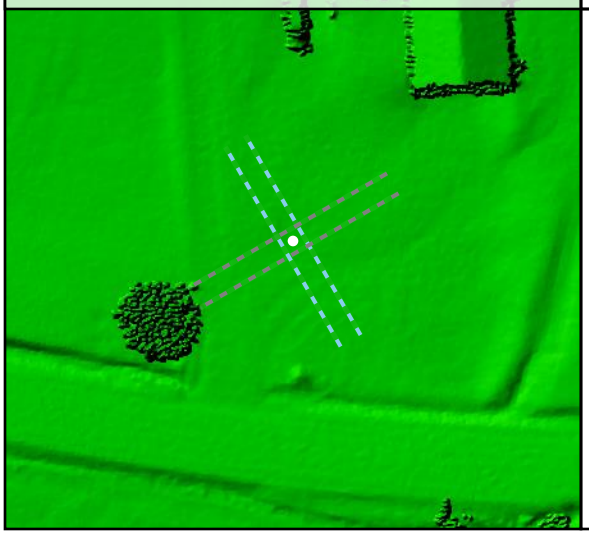
Southeast to Northwest



Intensity Raster



TIN Surface

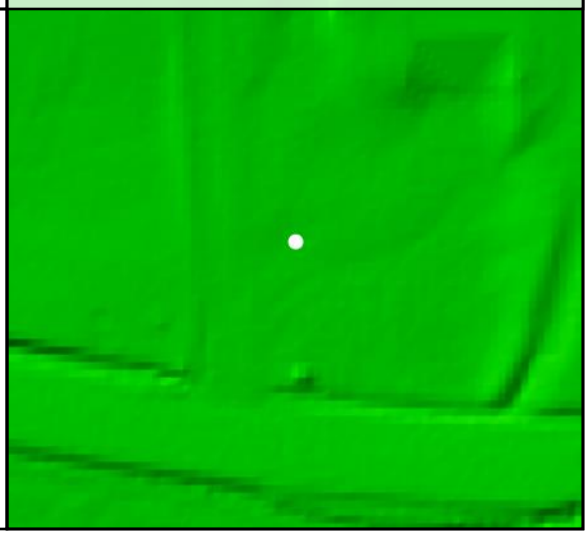


Project Elevation

716.97

103.02

DEM Surface



DEM Dz -0.03 m

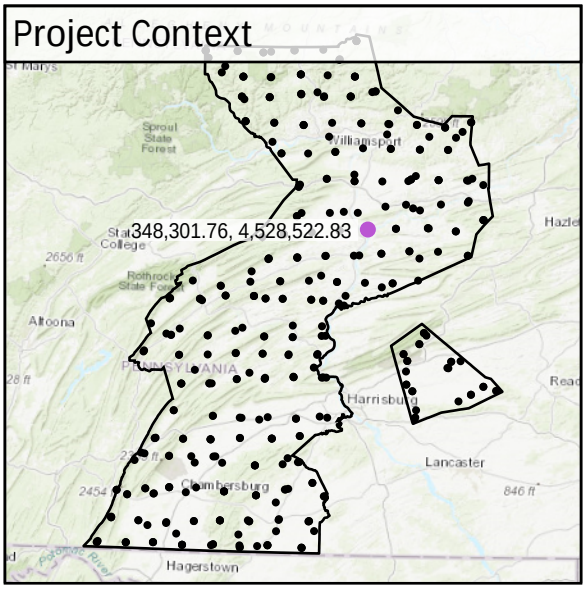
CAL - CA052

All Points TIN Dz -0.03 m

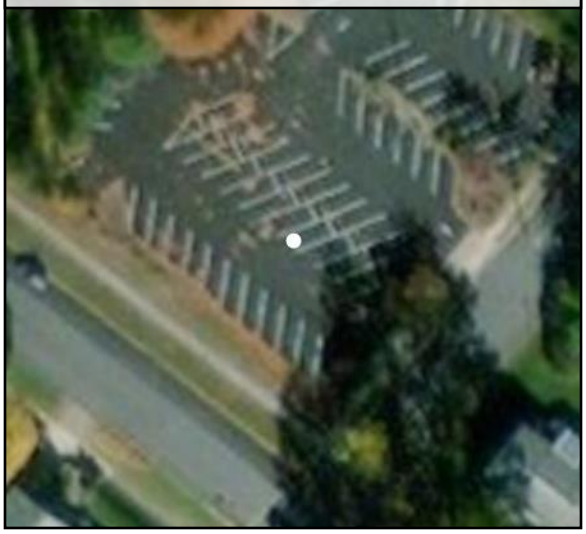
CA053

Known Z	147.56 m	Point Density	3.50 ppsm
DEM Dz	0.02 m	Ground Density	3.50 ppsm
All Points TIN Dz	0.02 m	Slope	2.63 °

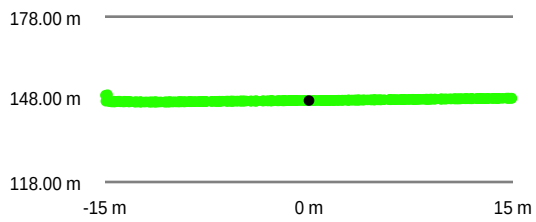
Project Context



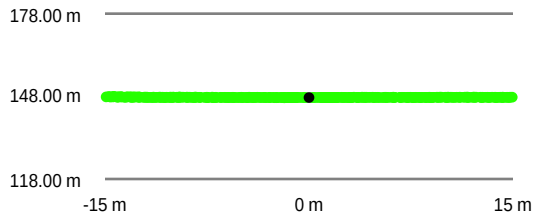
World Imagery



Southeast to Northwest



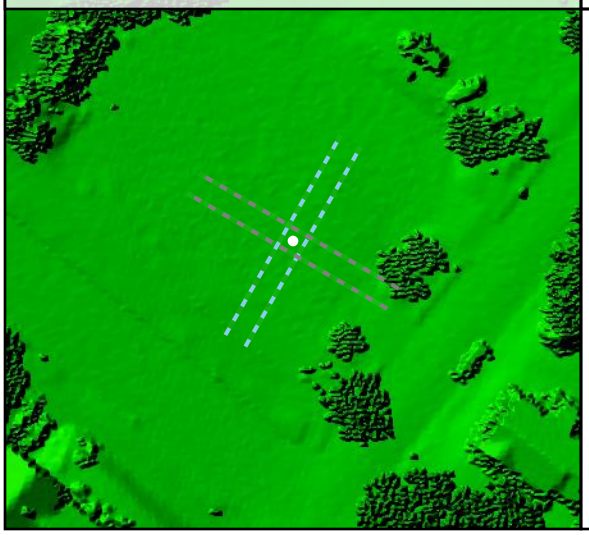
Southwest to Northeast



Intensity Raster



TIN Surface

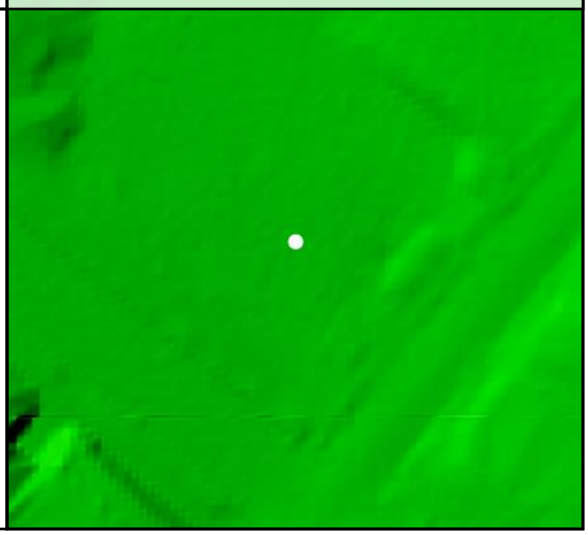


Project Elevation

716.97

103.02

DEM Surface



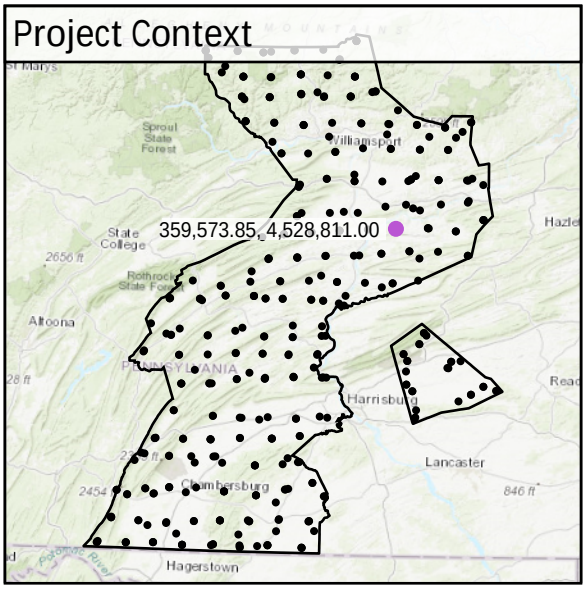
DEM Dz +0.02 m

CAL - CA053

All Points TIN Dz +0.02 m

CA054				
	Known Z	257.01 m	Point Density	6.40 ppsm
	DEM Dz	-0.05 m	Ground Density	3.93 ppsm
	All Points TIN Dz	-0.06 m	Slope	2.70 °

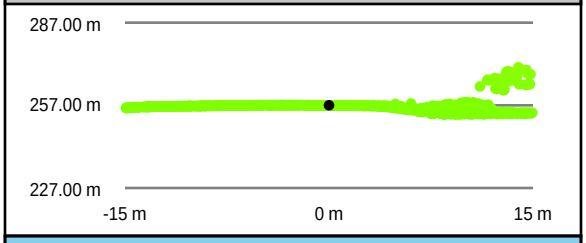
Project Context



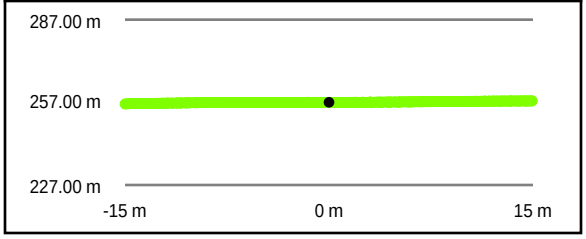
World Imagery



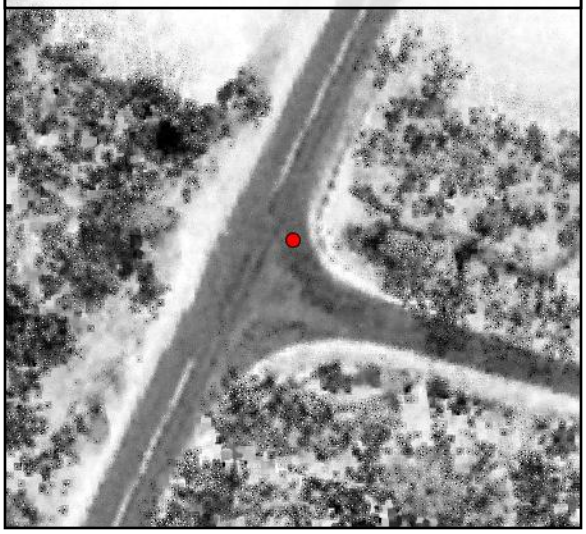
West to East



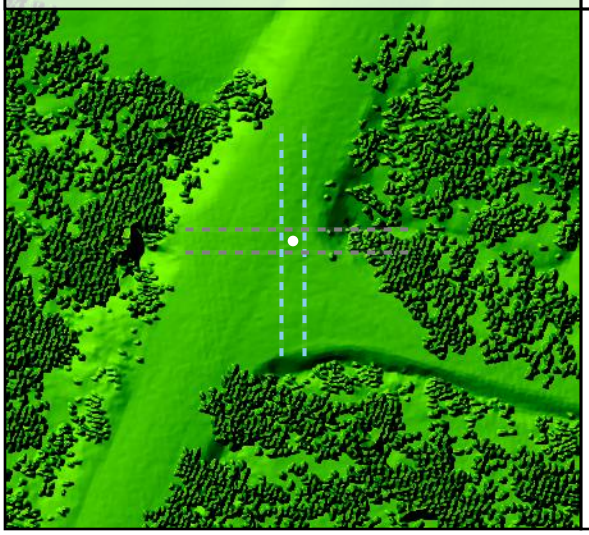
South to North



Intensity Raster



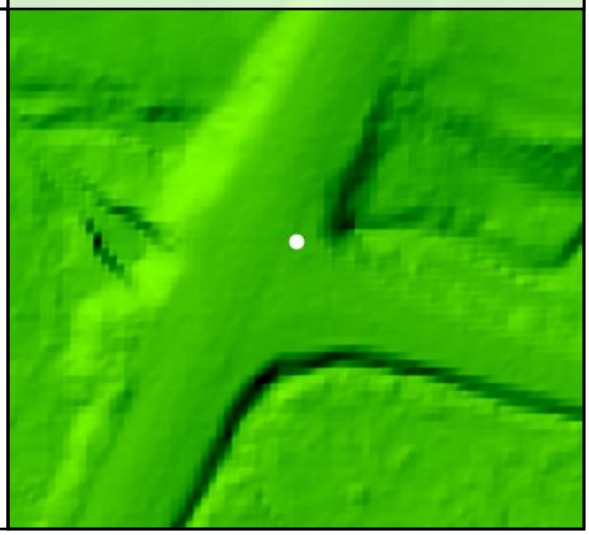
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.05 m

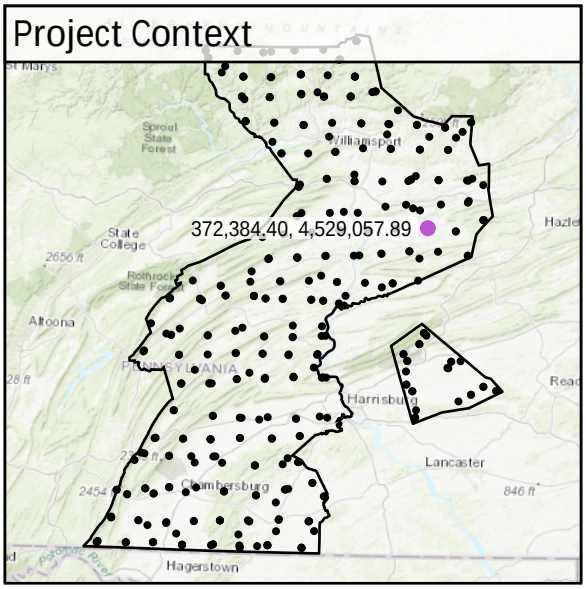
CAL - CA054

All Points TIN Dz -0.06 m

CA055

Known Z	208.04 m	Point Density	5.98 ppsm
DEM Dz	-0.01 m	Ground Density	3.43 ppsm
All Points TIN Dz	-0.01 m	Slope	3.61 °

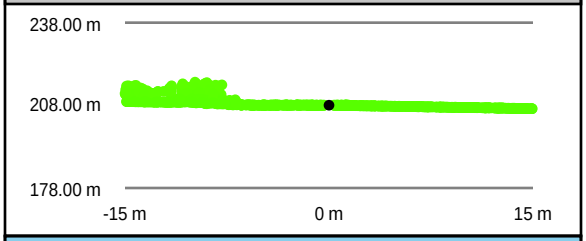
Project Context



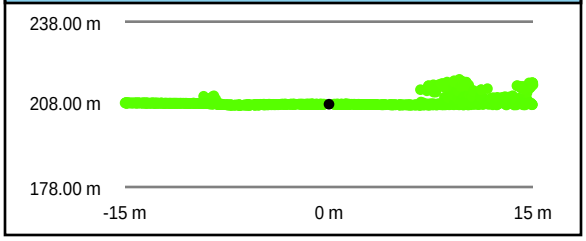
World Imagery



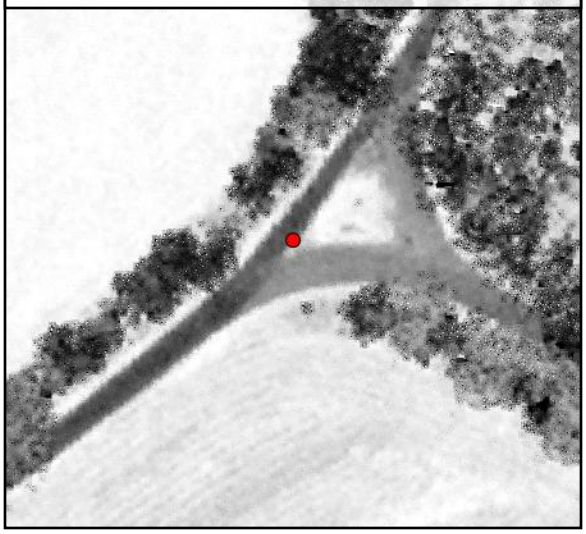
West to East



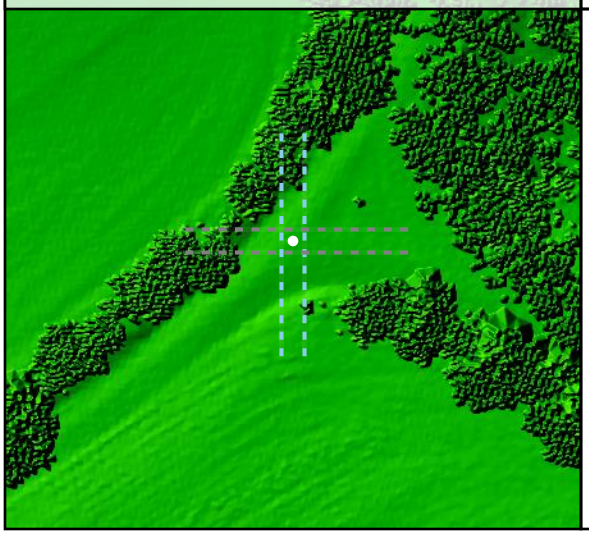
South to North



Intensity Raster



TIN Surface

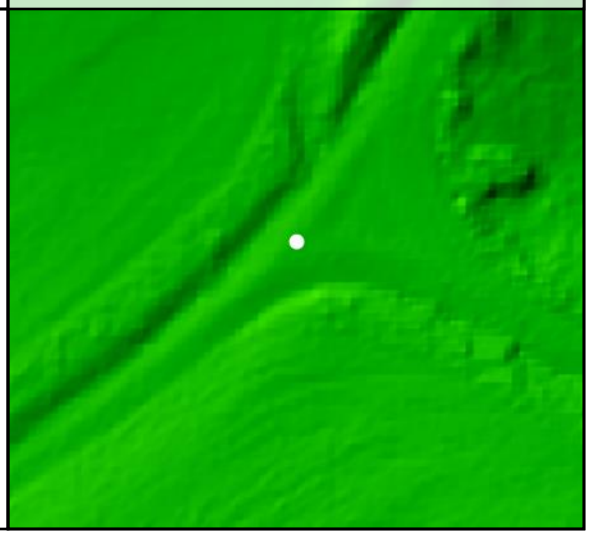


Project Elevation

716.97

103.02

DEM Surface



DEM Dz -0.01 m

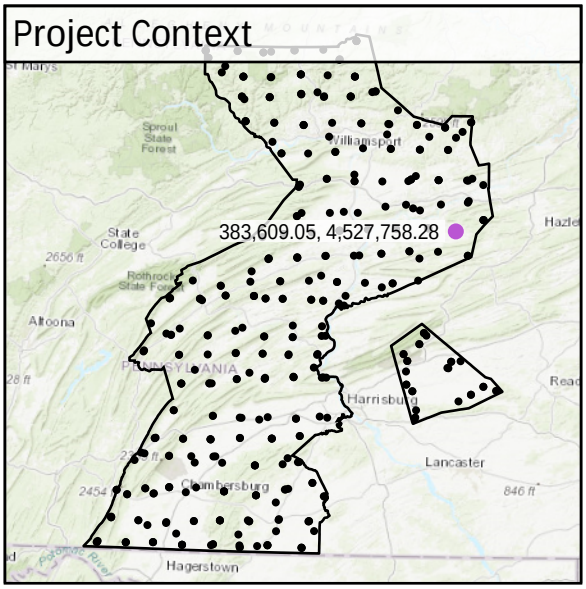
CAL - CA055

All Points TIN Dz -0.01 m

CA056

Known Z	255.30 m	Point Density	2.51 ppsm
DEM Dz	-0.09 m	Ground Density	2.51 ppsm
All Points TIN Dz	-0.09 m	Slope	4.27 °

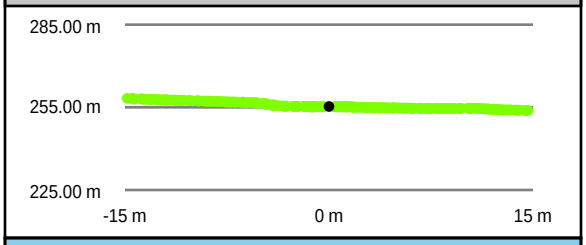
Project Context



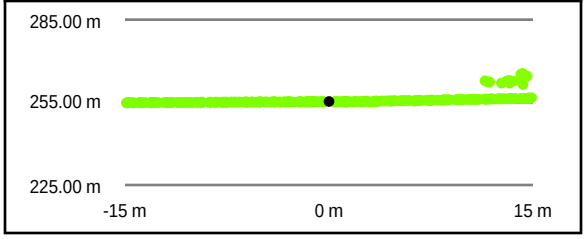
World Imagery



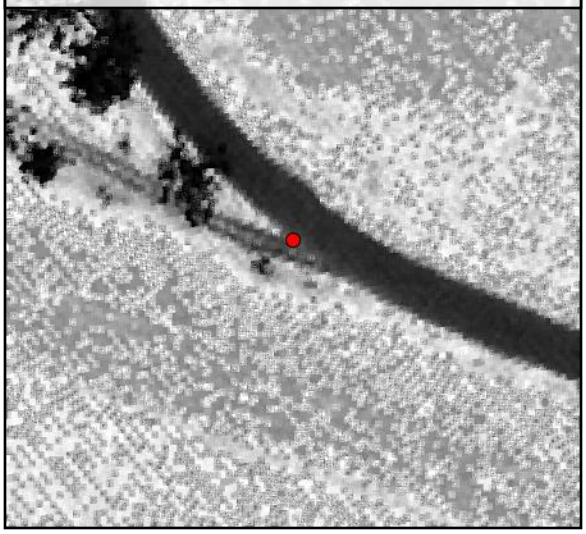
Southwest to Northeast



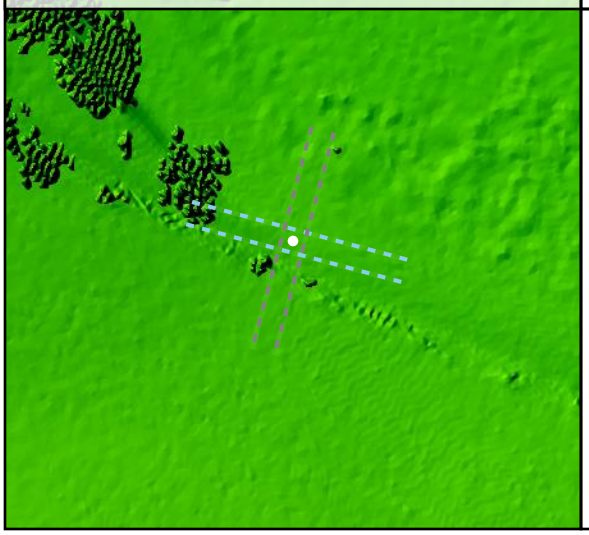
Southeast to Northwest



Intensity Raster



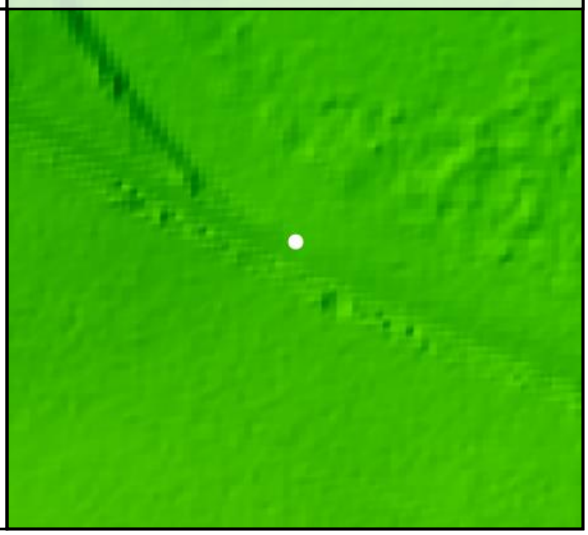
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.09 m

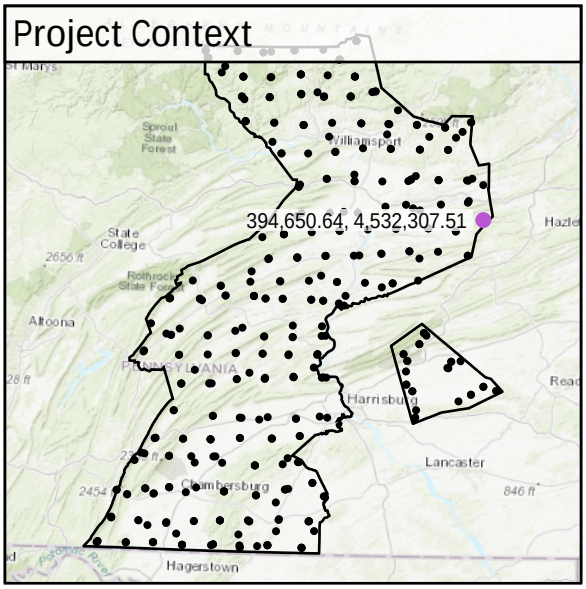
CAL - CA056

All Points TIN Dz -0.09 m

CA057

Known Z	343.53 m	Point Density	5.13 ppsm
DEM Dz	-0.07 m	Ground Density	2.58 ppsm
All Points TIN Dz	-0.07 m	Slope	3.30 °

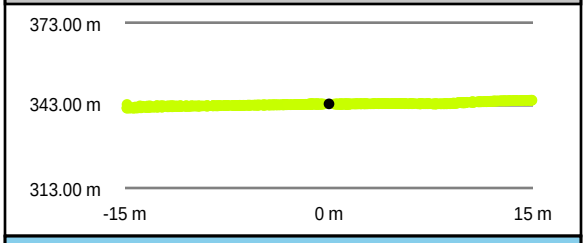
Project Context



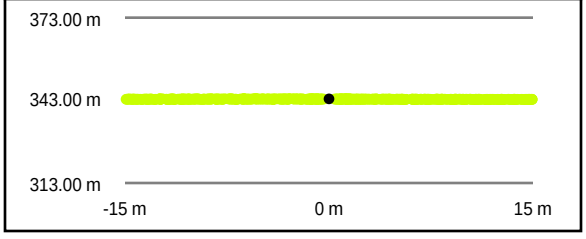
World Imagery



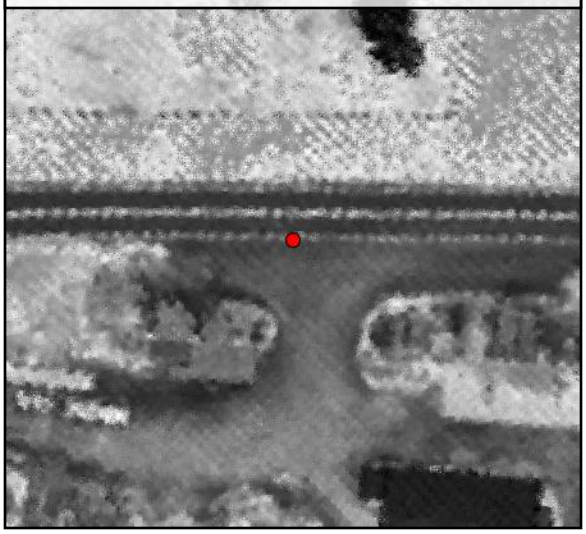
Southwest to Northeast



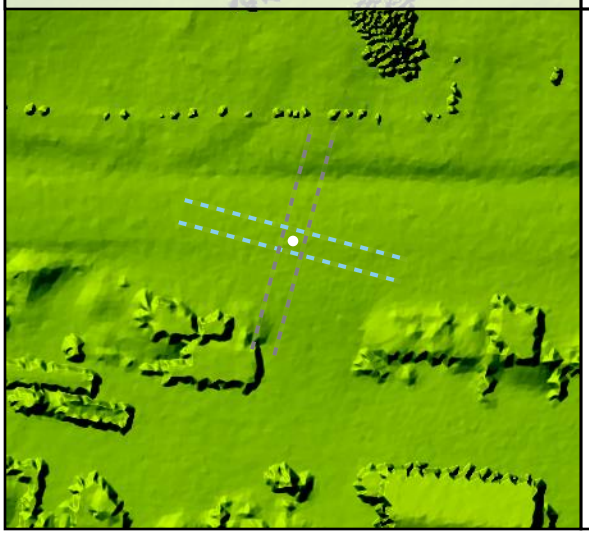
Southeast to Northwest



Intensity Raster



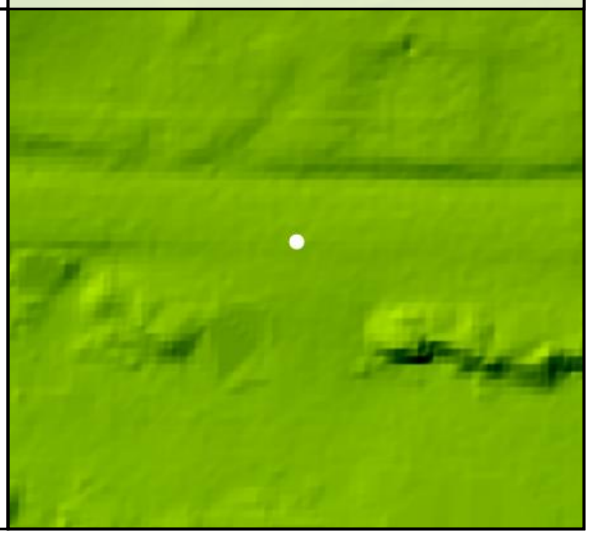
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.07 m

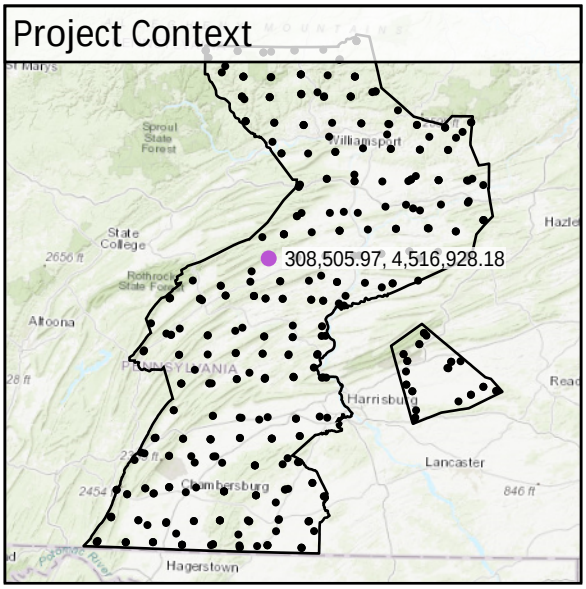
CAL - CA057

All Points TIN Dz -0.07 m

CA058

Known Z	224.15 m	Point Density	5.27 ppsm
DEM Dz	-0.09 m	Ground Density	2.58 ppsm
All Points TIN Dz	-0.09 m	Slope	5.83 °

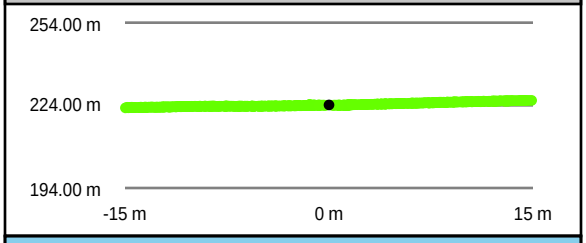
Project Context



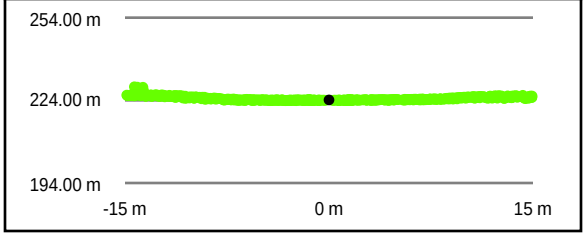
World Imagery



Southeast to Northwest



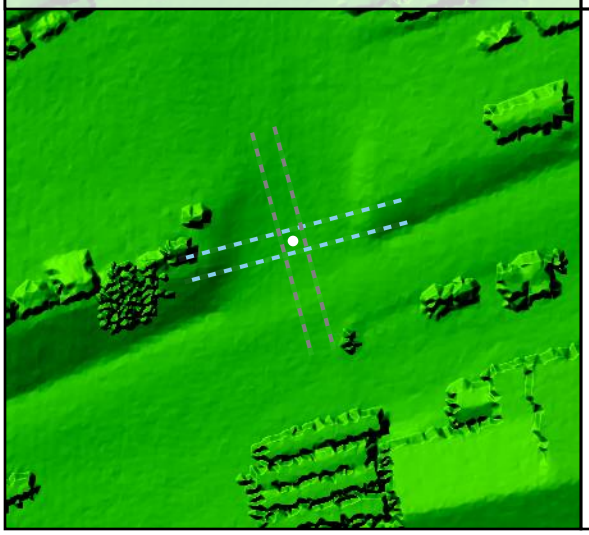
Southwest to Northeast



Intensity Raster



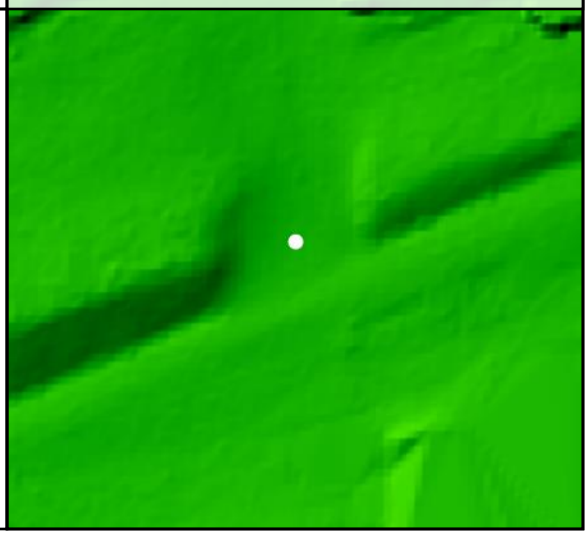
TIN Surface



Project Elevation



DEM Surface



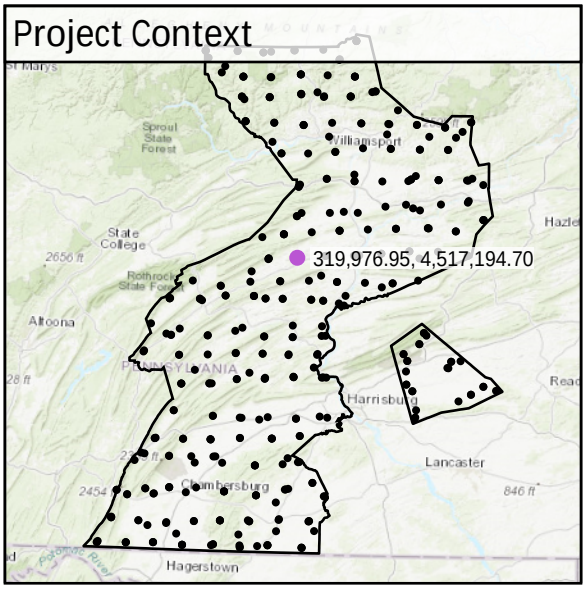
DEM Dz -0.09 m

CAL - CA058

All Points TIN Dz -0.09 m

CA059				
	Known Z	180.14 m	Point Density	4.81 ppsm
	DEM Dz	-0.06 m	Ground Density	2.26 ppsm
	All Points TIN Dz	-0.06 m	Slope	4.35 °

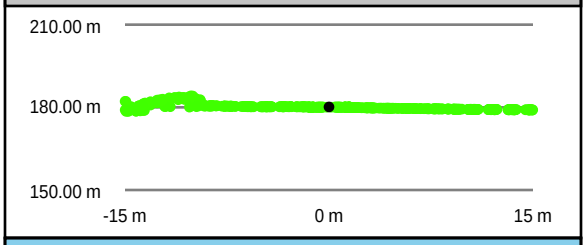
Project Context



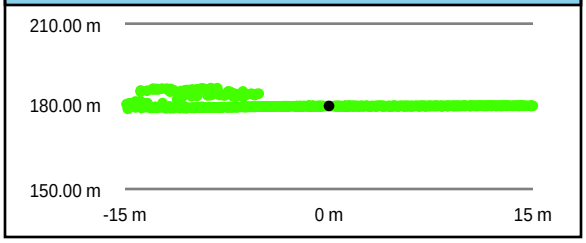
World Imagery



West to East



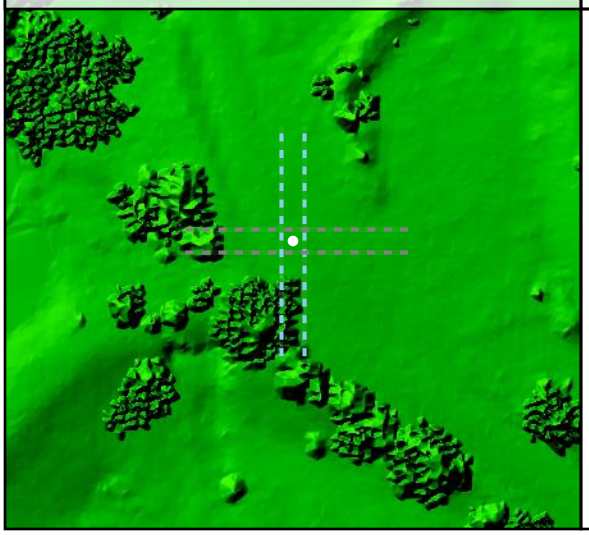
South to North



Intensity Raster



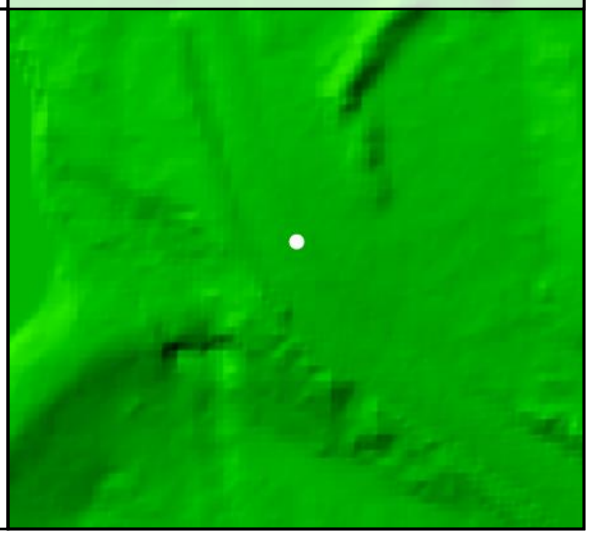
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.06 m

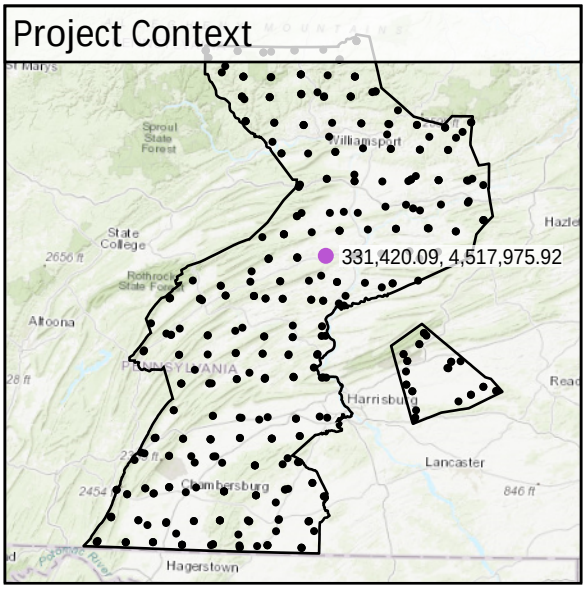
CAL - CA059

All Points TIN Dz -0.06 m

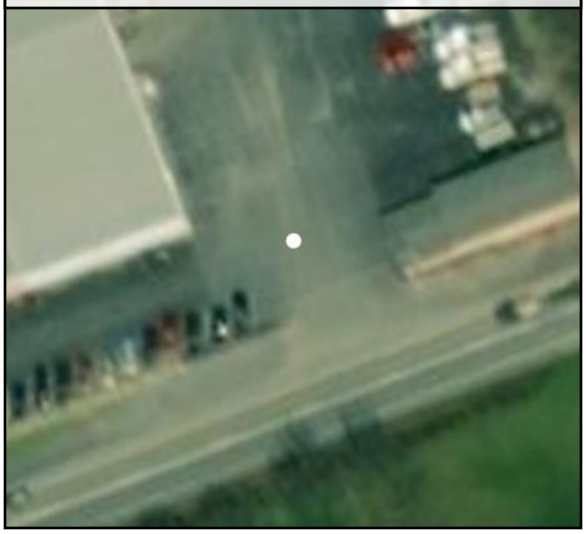
CA060

Known Z	163.07 m	Point Density	4.81 ppsm
DEM Dz	-0.16 m	Ground Density	2.48 ppsm
All Points TIN Dz	-0.15 m	Slope	1.53 °

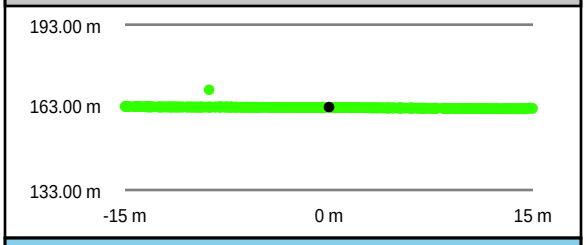
Project Context



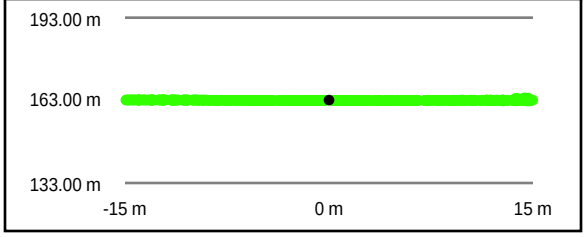
World Imagery



Southeast to Northwest



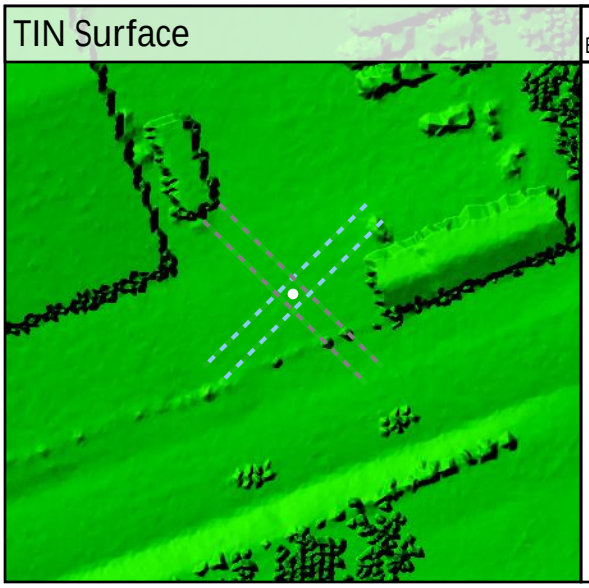
Southwest to Northeast



Intensity Raster



TIN Surface

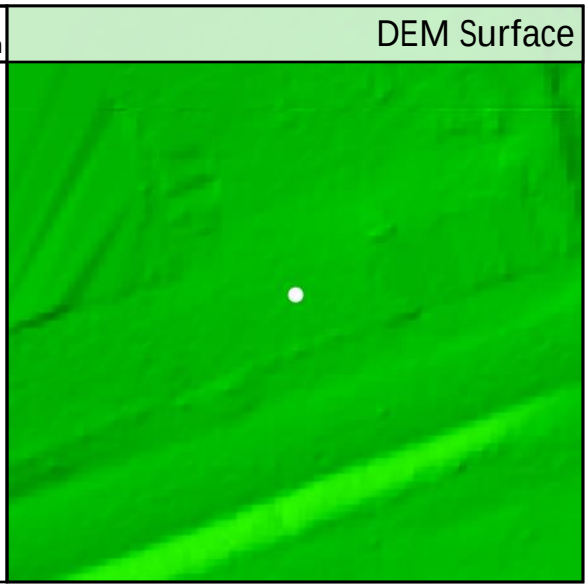


Project Elevation

716.97

103.02

DEM Surface



DEM Dz -0.16 m

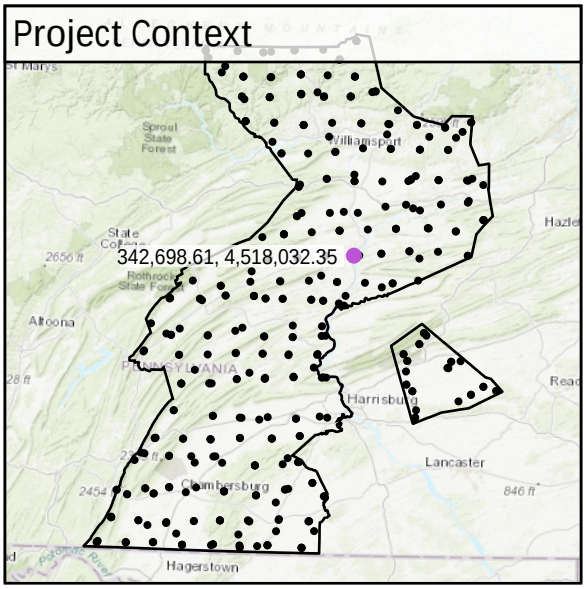
CAL - CA060

All Points TIN Dz -0.15 m

CA061

Known Z	134.04 m	Point Density	5.27 ppsm
DEM Dz	-0.12 m	Ground Density	2.16 ppsm
All Points TIN Dz	-0.12 m	Slope	0.63 °

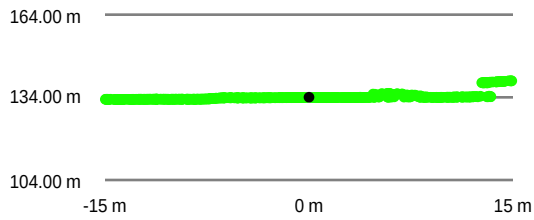
Project Context



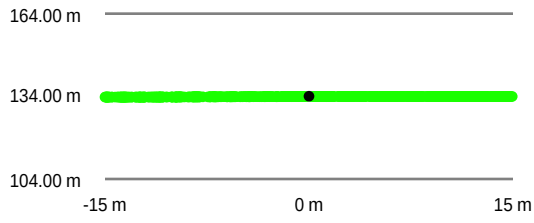
World Imagery



Southwest to Northeast



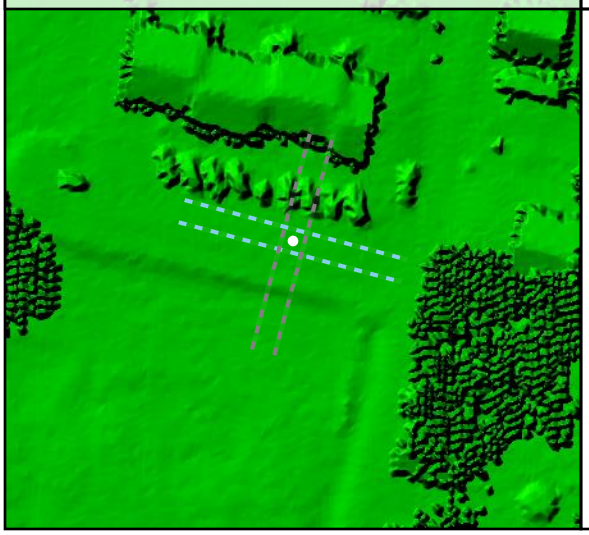
Southeast to Northwest



Intensity Raster



TIN Surface

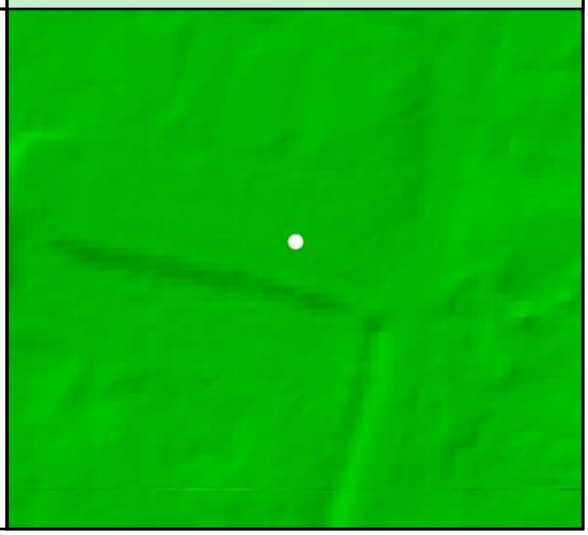


Project Elevation

716.97

103.02

DEM Surface



DEM Dz -0.12 m

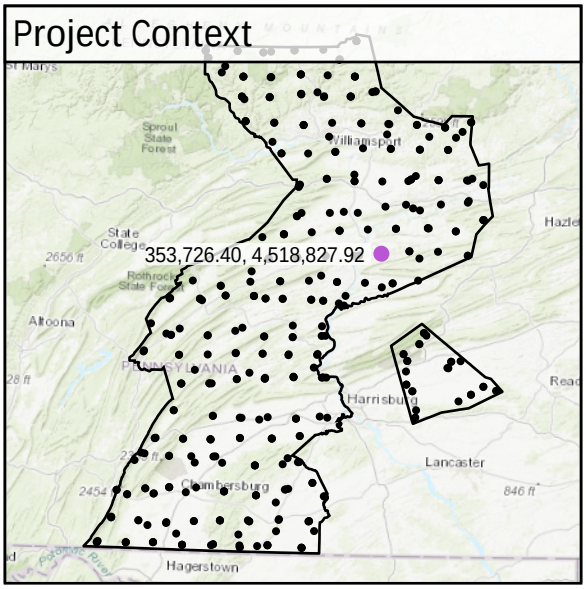
CAL - CA061

All Points TIN Dz -0.12 m

CA062

Known Z	214.48 m	Point Density	2.37 ppsm
DEM Dz	-0.12 m	Ground Density	2.37 ppsm
All Points TIN Dz	-0.12 m	Slope	2.07 °

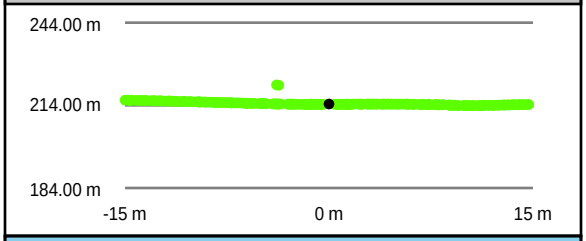
Project Context



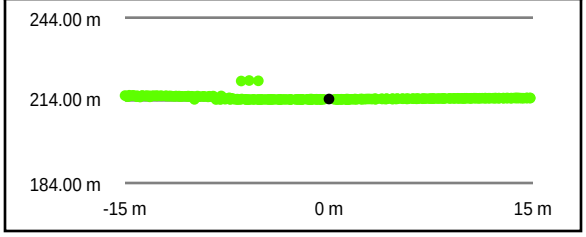
World Imagery



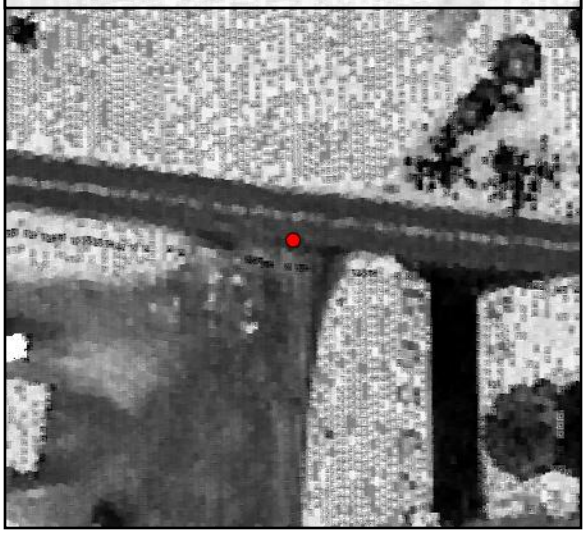
Southeast to Northwest



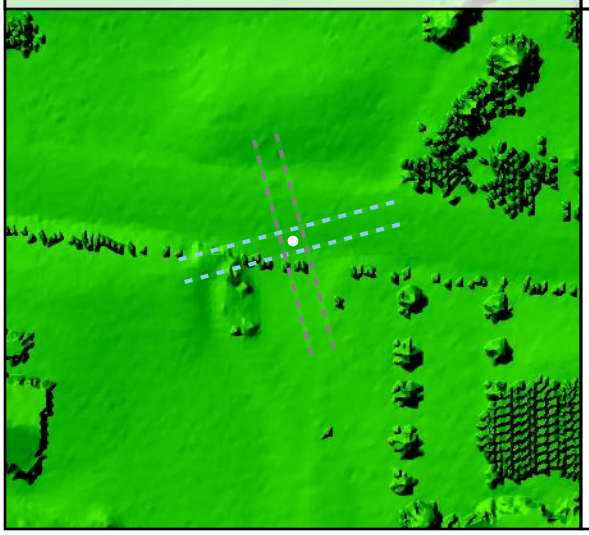
Southwest to Northeast



Intensity Raster



TIN Surface

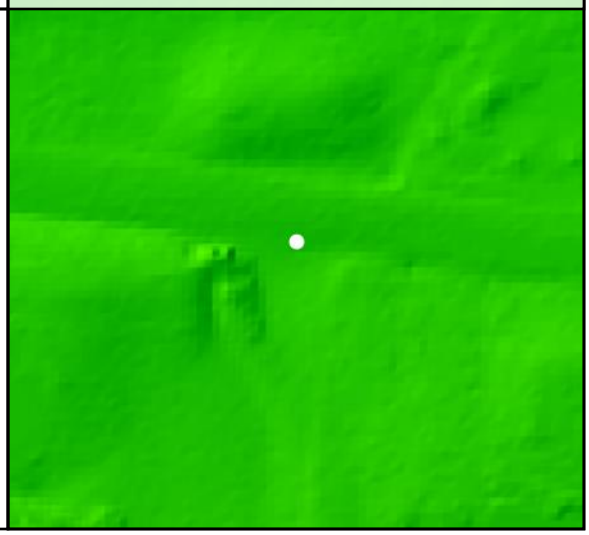


Project Elevation

716.97

103.02

DEM Surface



DEM Dz -0.12 m

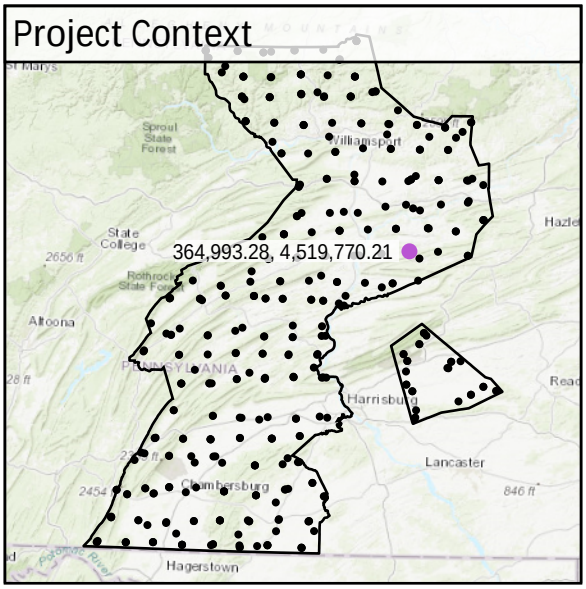
CAL - CA062

All Points TIN Dz -0.12 m

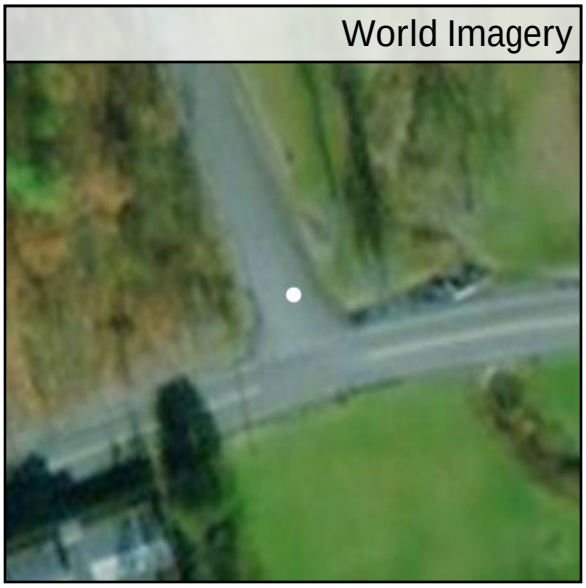
CA063

Known Z	196.81 m	Point Density	3.08 ppsm
DEM Dz	0.00 m	Ground Density	3.08 ppsm
All Points TIN Dz	0.00 m	Slope	1.54 °

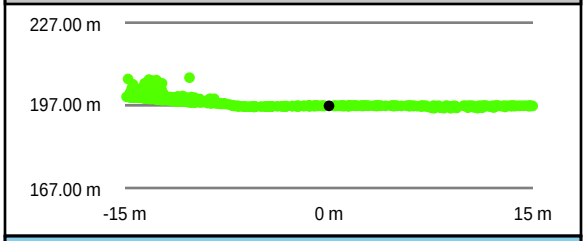
Project Context



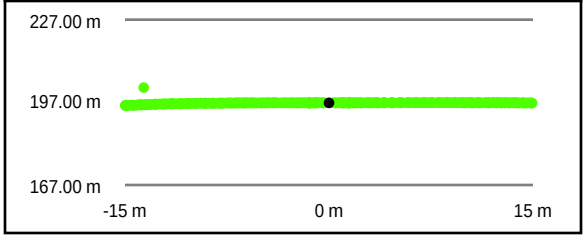
World Imagery



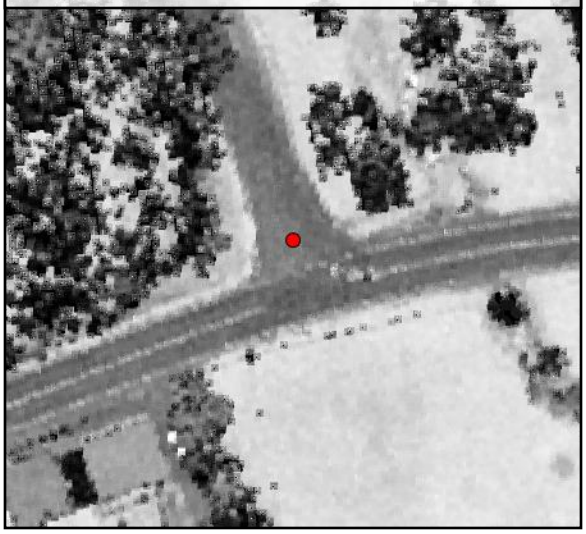
West to East



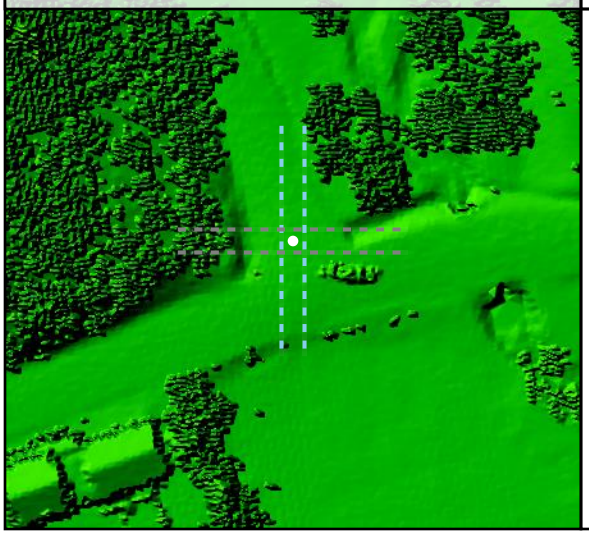
South to North



Intensity Raster



TIN Surface

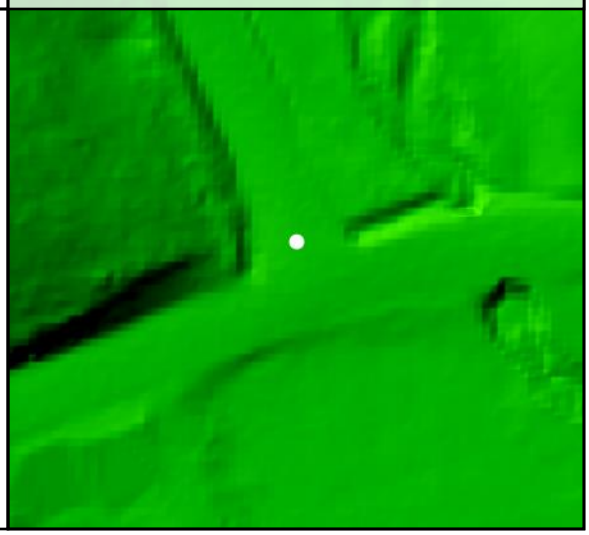


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.00 m

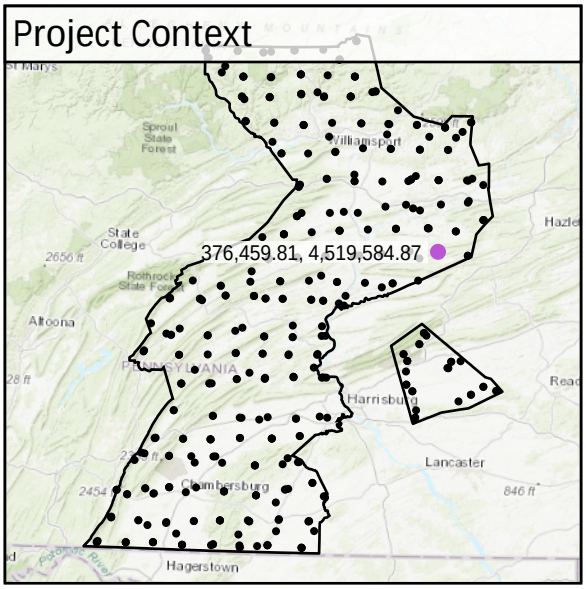
CAL - CA063

All Points TIN Dz +0.00 m

CA064

Known Z	461.60 m	Point Density	2.97 ppsm
DEM Dz	-0.14 m	Ground Density	3.01 ppsm
All Points TIN Dz	-0.13 m	Slope	1.18 °

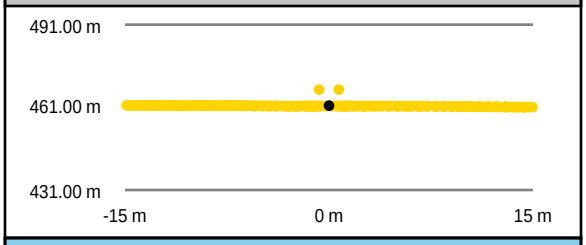
Project Context



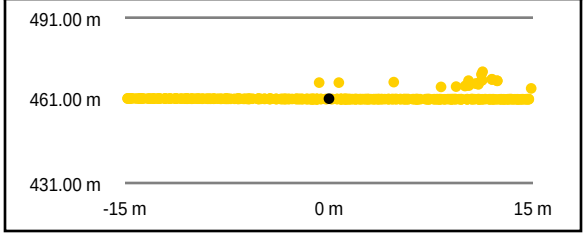
World Imagery



Southwest to Northeast



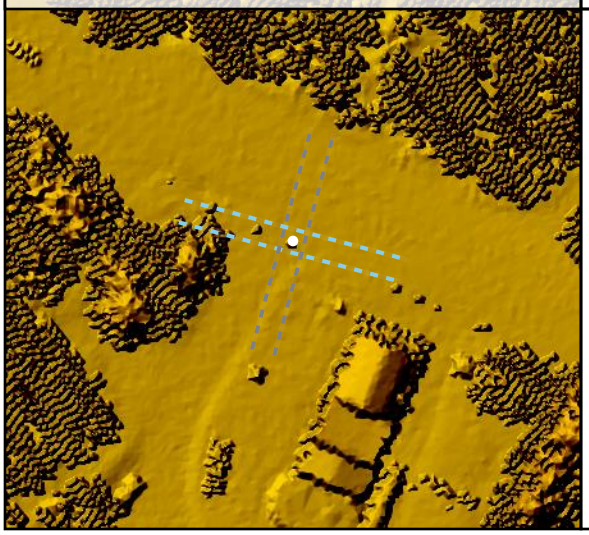
Southeast to Northwest



Intensity Raster



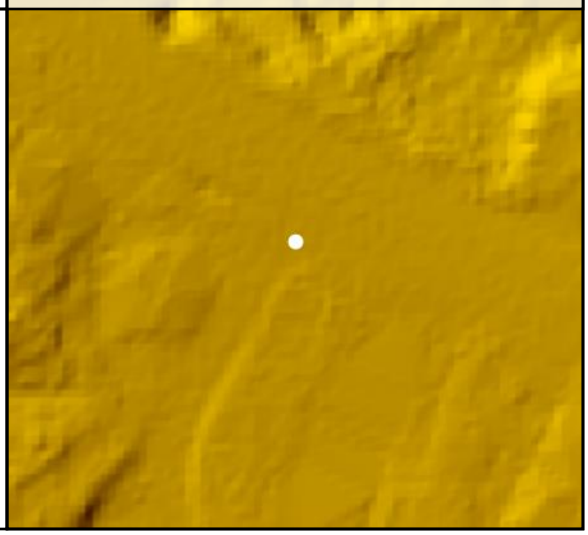
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.14 m

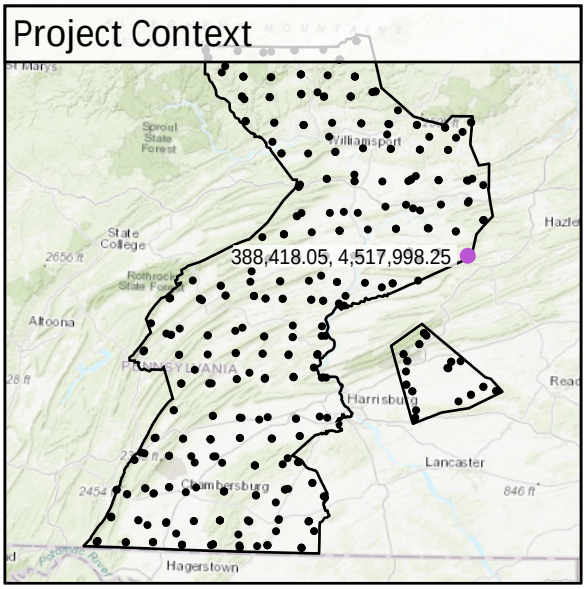
CAL - CA064

All Points TIN Dz -0.13 m

CA065

Known Z	404.34 m	Point Density	5.45 ppsm
DEM Dz	-0.07 m	Ground Density	2.69 ppsm
All Points TIN Dz	-0.06 m	Slope	1.70 °

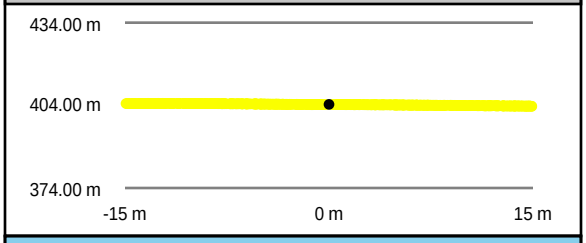
Project Context



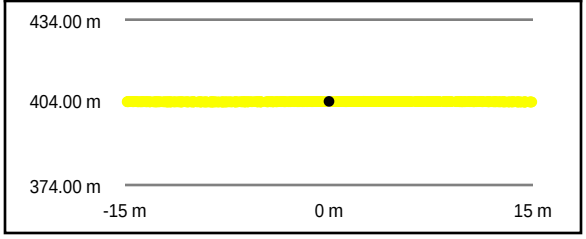
World Imagery



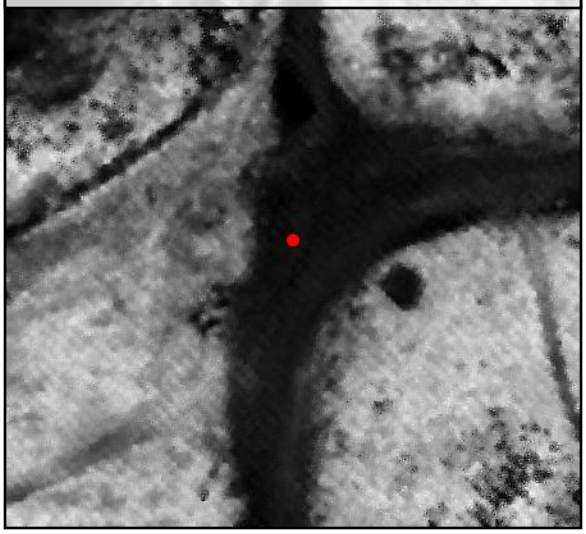
Southwest to Northeast



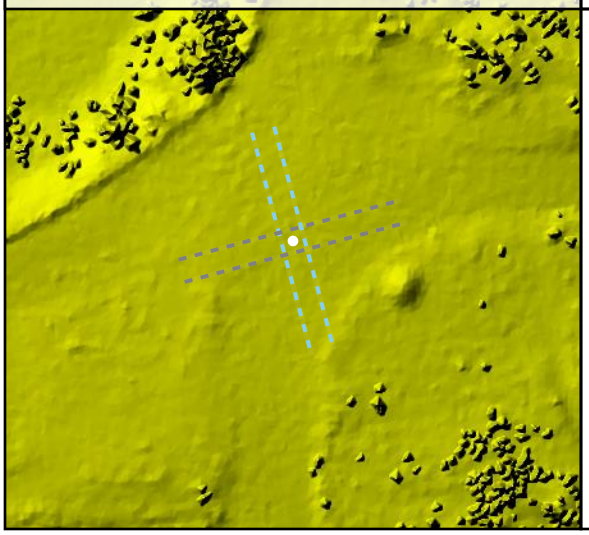
Southeast to Northwest



Intensity Raster



TIN Surface

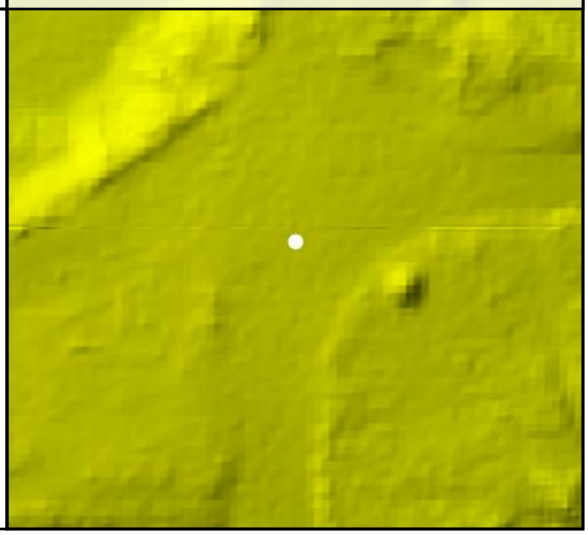


Project Elevation

716.97

103.02

DEM Surface



DEM Dz -0.07 m

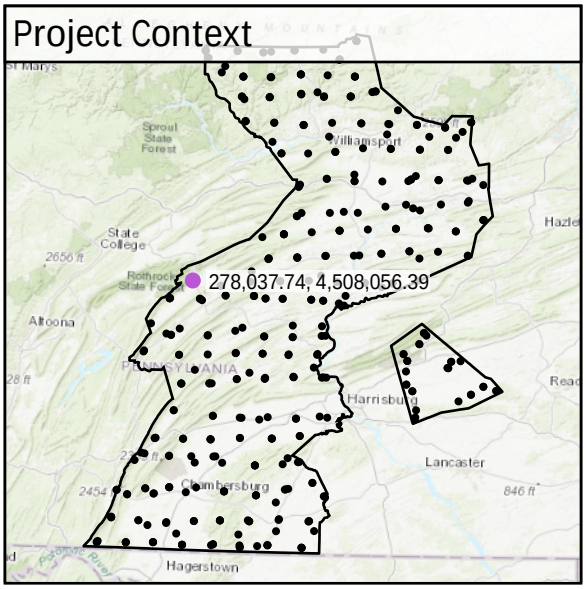
CAL - CA065

All Points TIN Dz -0.06 m

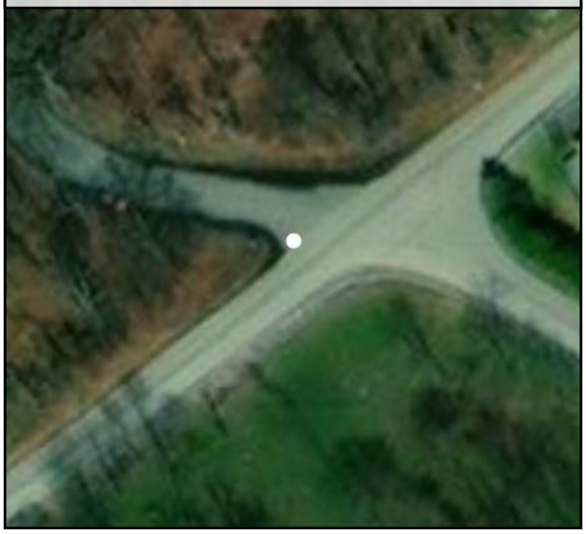
CA066

Known Z	249.29 m	Point Density	11.25 ppsm
DEM Dz	-0.20 m	Ground Density	2.48 ppsm
All Points TIN Dz	-0.21 m	Slope	0.83 °

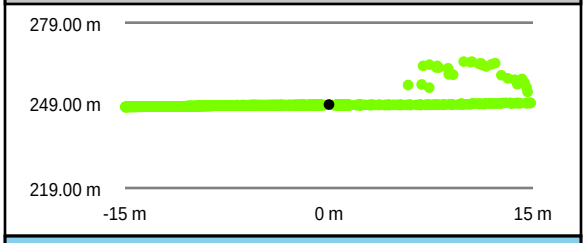
Project Context



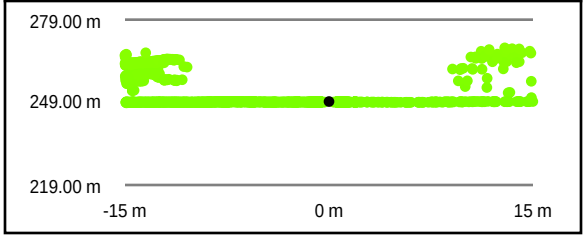
World Imagery



Southeast to Northwest



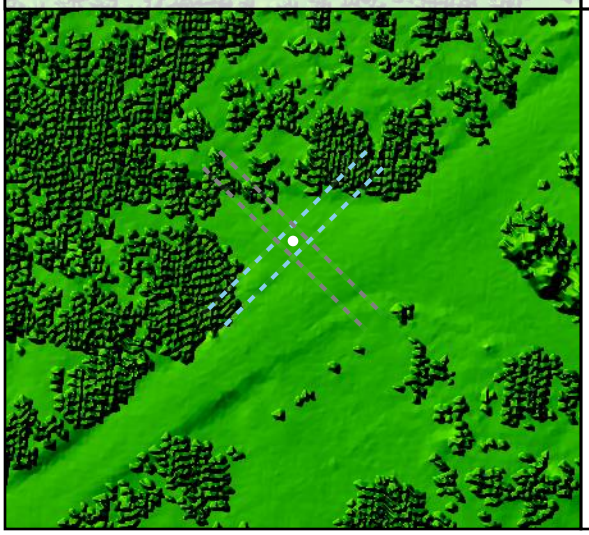
Southwest to Northeast



Intensity Raster



TIN Surface

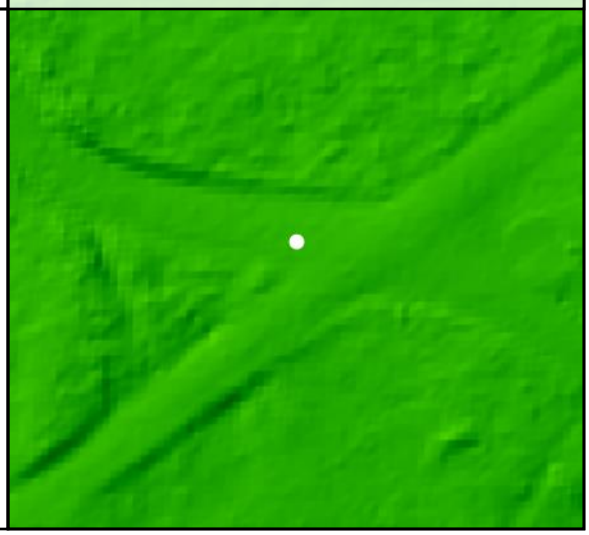


Project Elevation

716.97

103.02

DEM Surface



DEM Dz -0.20 m

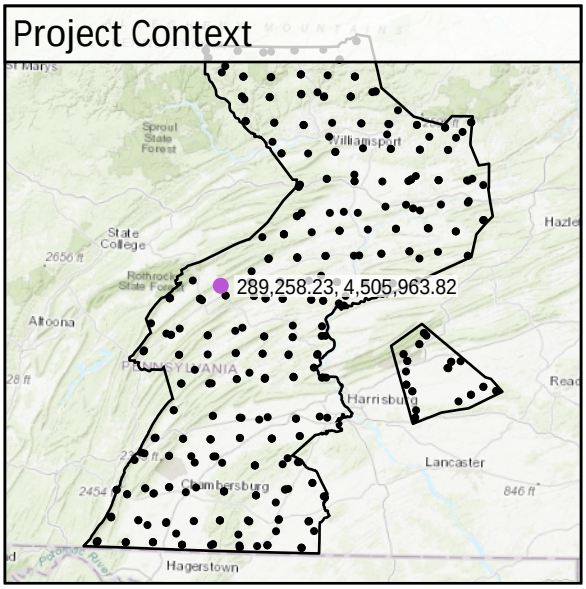
CAL - CA066

All Points TIN Dz -0.21 m

CA067

Known Z	234.08 m	Point Density	4.74 ppsm
DEM Dz	-0.11 m	Ground Density	2.41 ppsm
All Points TIN Dz	-0.10 m	Slope	3.01 °

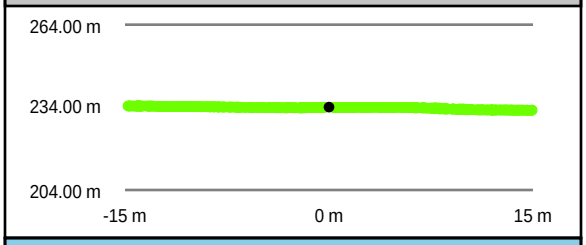
Project Context



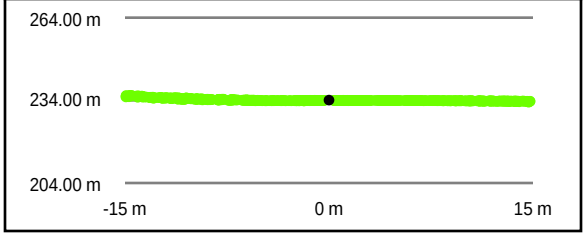
World Imagery



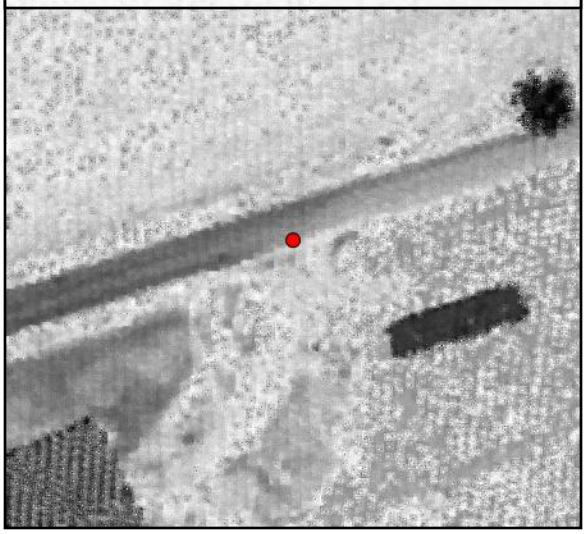
Southeast to Northwest



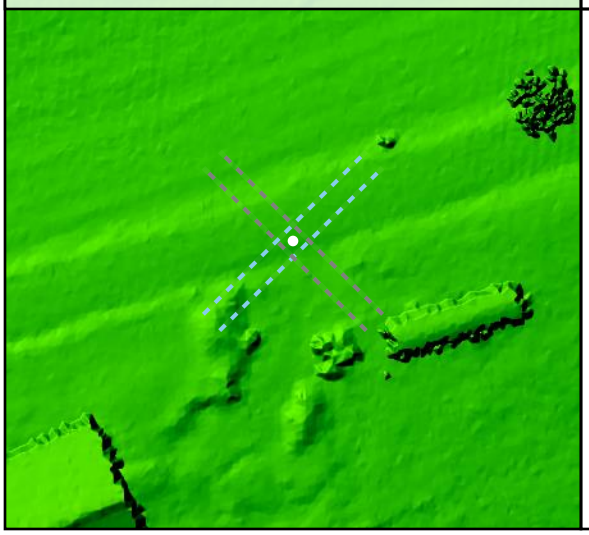
Southwest to Northeast



Intensity Raster



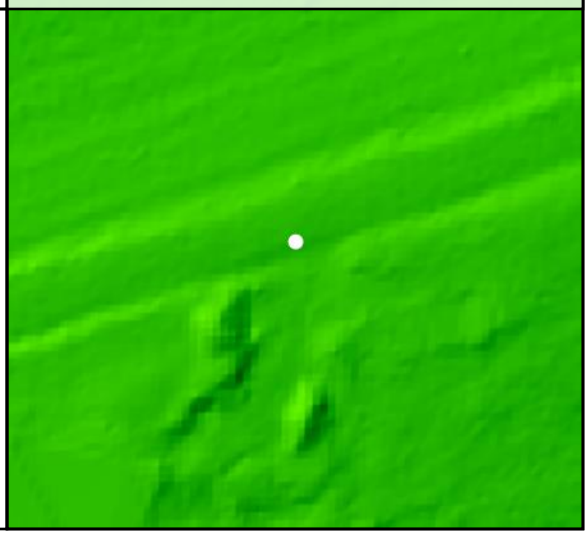
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.11 m

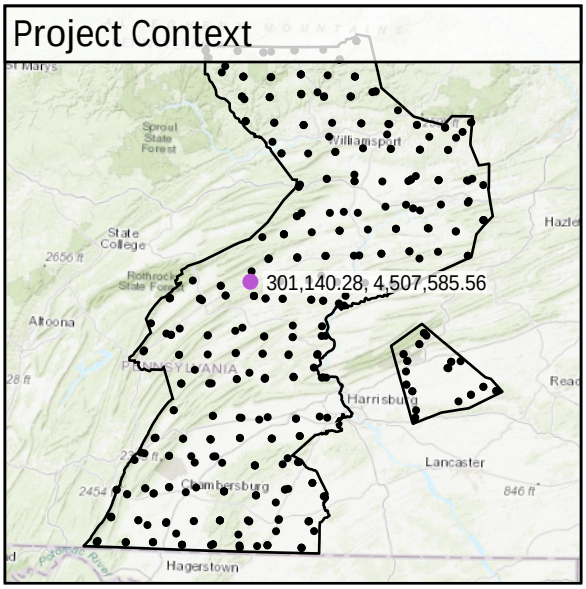
CAL - CA067

All Points TIN Dz -0.10 m

CA068

Known Z	244.80 m	Point Density	5.41 ppsm
DEM Dz	-0.20 m	Ground Density	2.41 ppsm
All Points TIN Dz	-0.19 m	Slope	6.90 °

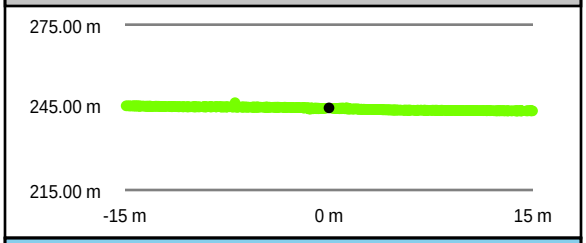
Project Context



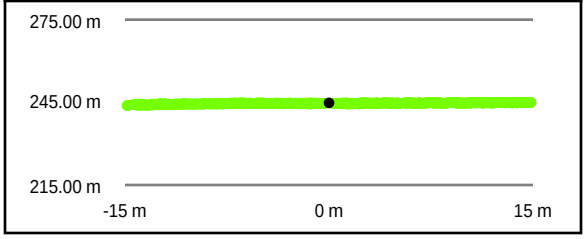
World Imagery



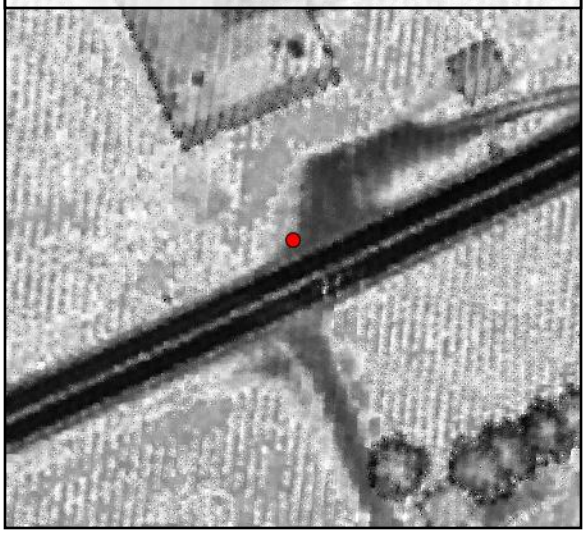
Southeast to Northwest



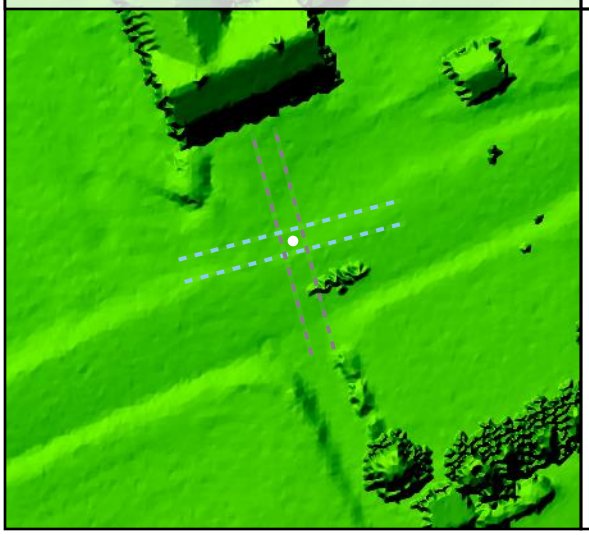
Southwest to Northeast



Intensity Raster



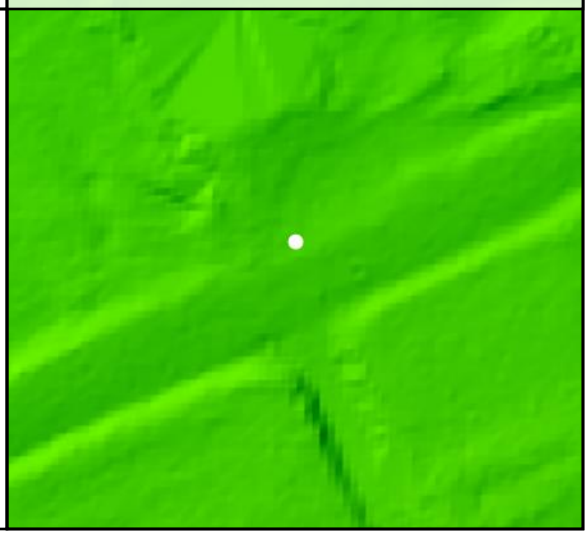
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.20 m

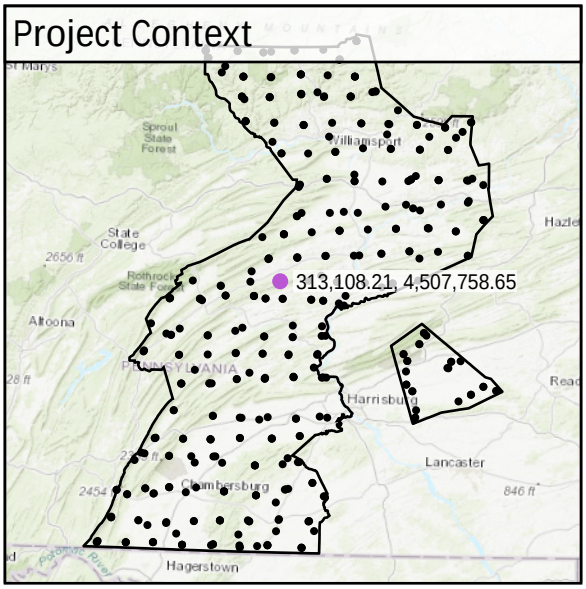
CAL - CA068

All Points TIN Dz -0.19 m

CA069

Known Z	648.33 m	Point Density	3.04 ppsm
DEM Dz	-0.07 m	Ground Density	3.04 ppsm
All Points TIN Dz	-0.08 m	Slope	8.20 °

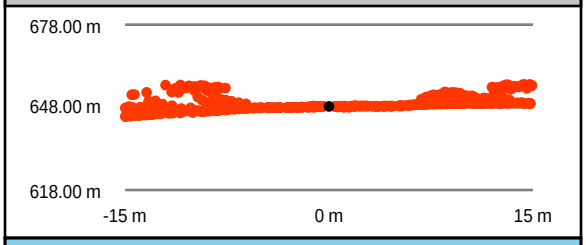
Project Context



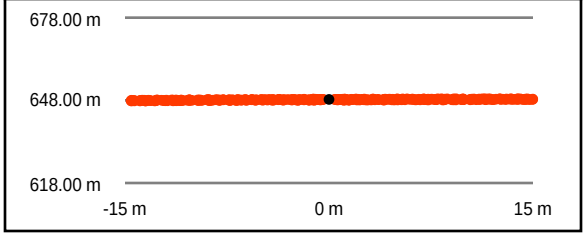
World Imagery



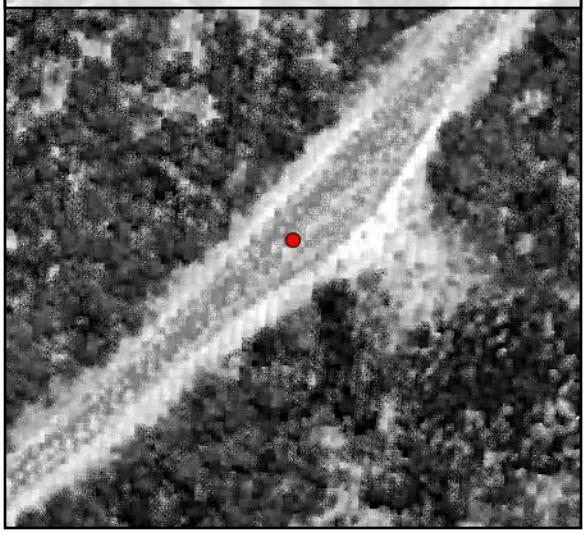
Southeast to Northwest



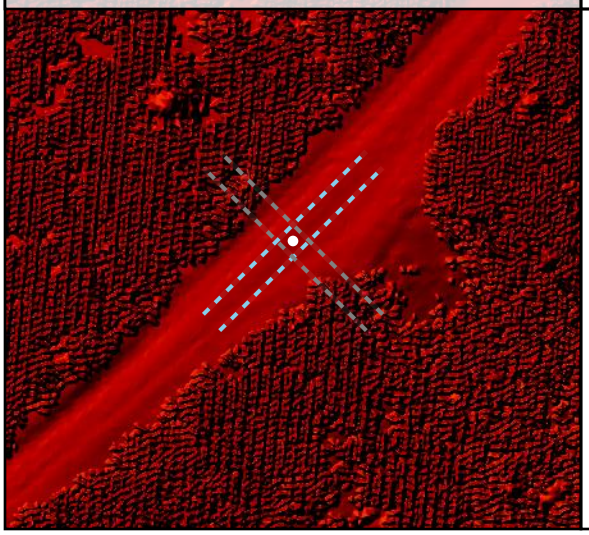
Southwest to Northeast



Intensity Raster



TIN Surface

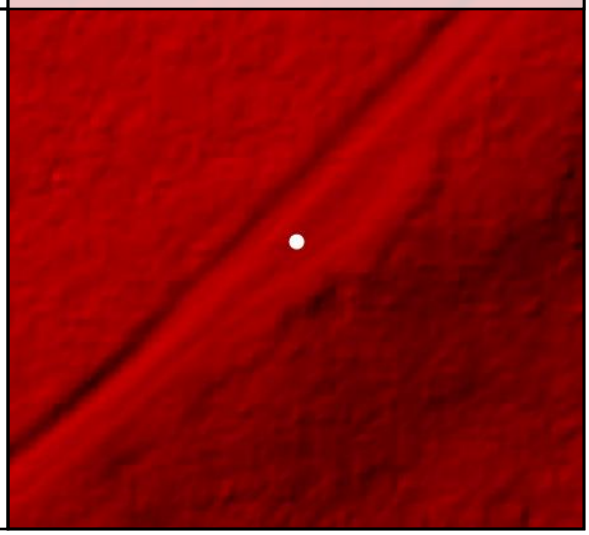


Project Elevation

716.97

103.02

DEM Surface



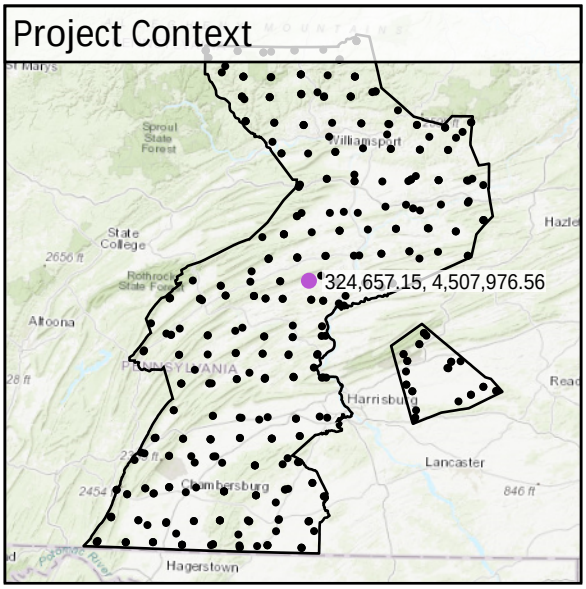
DEM Dz -0.07 m

CAL - CA069

All Points TIN Dz -0.08 m

CA070				
	Known Z	222.21 m	Point Density	7.32 ppsm
	DEM Dz	-0.15 m	Ground Density	2.41 ppsm
	All Points TIN Dz	-0.16 m	Slope	2.48 °

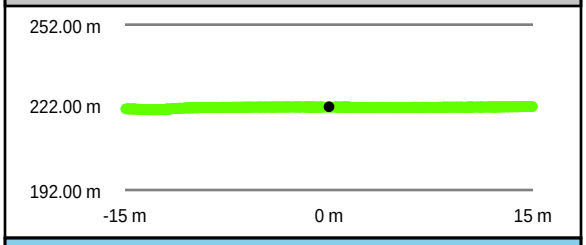
Project Context



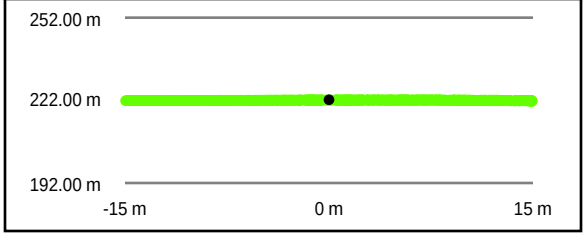
World Imagery



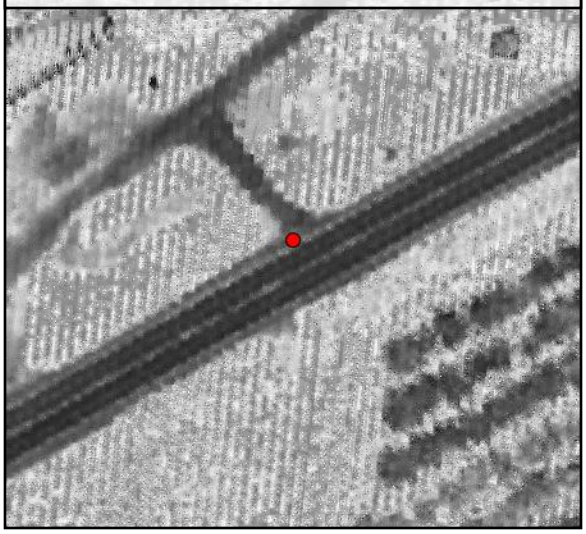
Southeast to Northwest



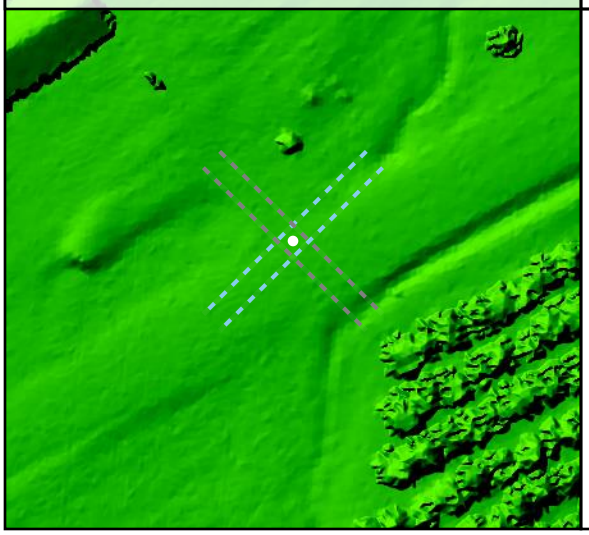
Southwest to Northeast



Intensity Raster



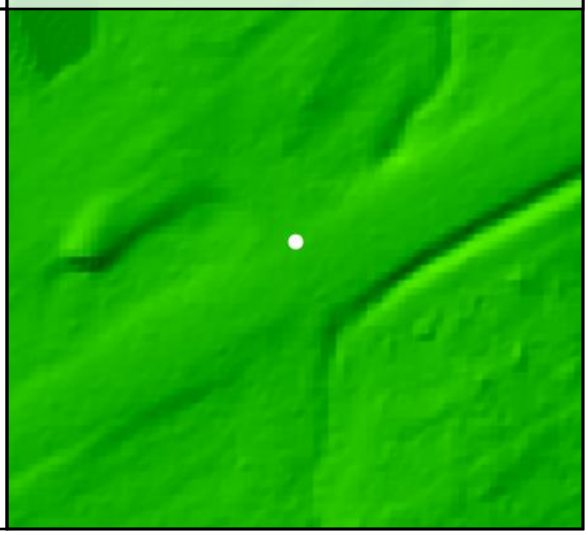
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.15 m

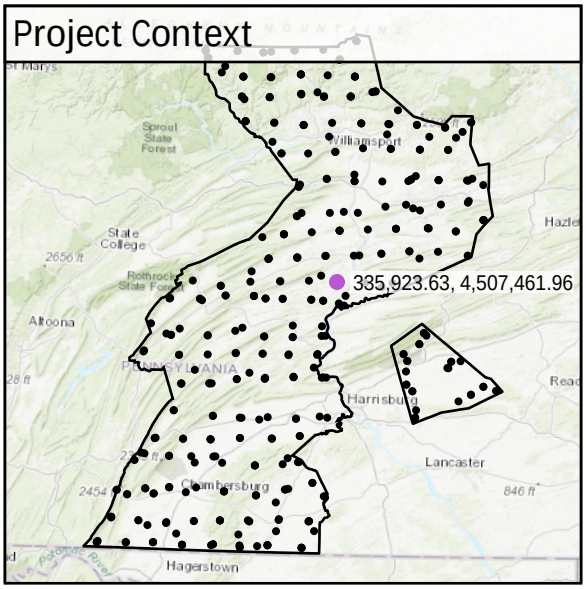
CAL - CA070

All Points TIN Dz -0.16 m

CA071

Known Z	238.84 m	Point Density	5.59 ppsm
DEM Dz	-0.16 m	Ground Density	2.30 ppsm
All Points TIN Dz	-0.15 m	Slope	1.93 °

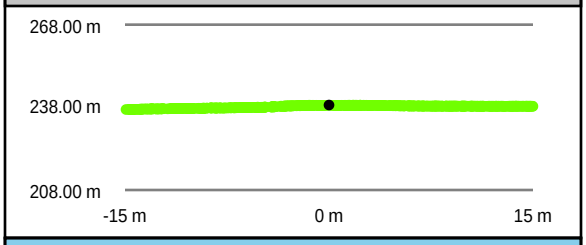
Project Context



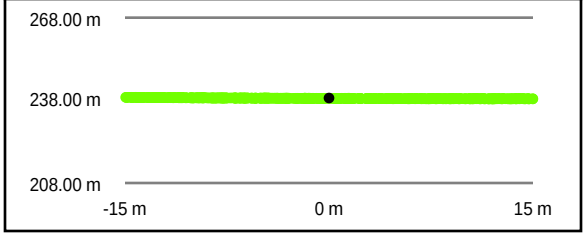
World Imagery



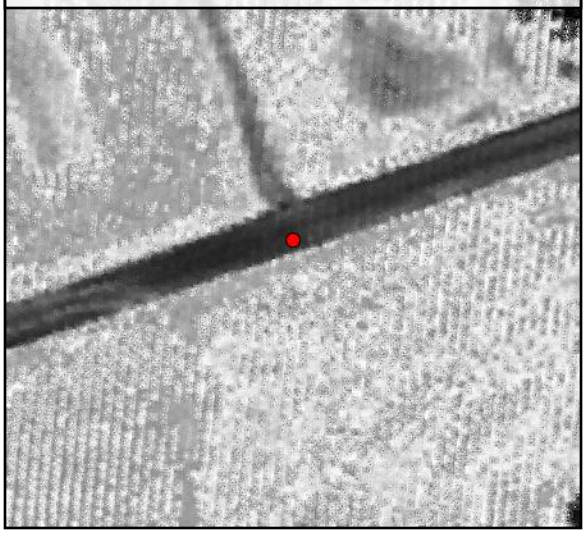
Southeast to Northwest



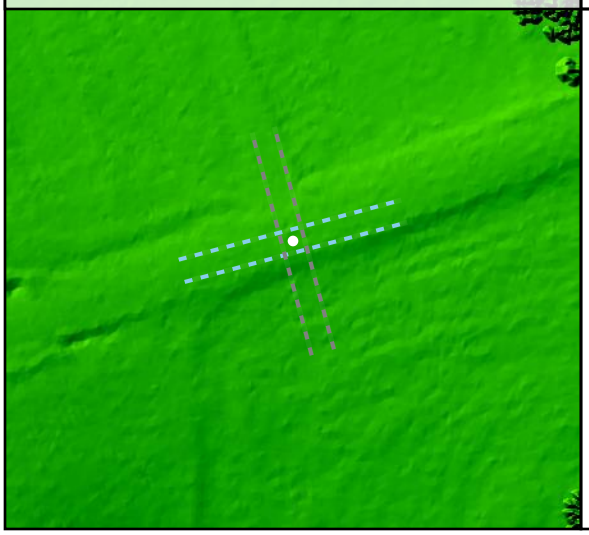
Southwest to Northeast



Intensity Raster



TIN Surface

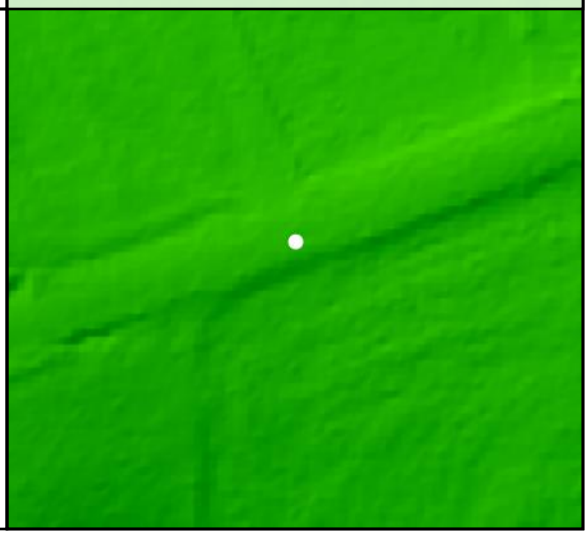


Project Elevation

716.97

103.02

DEM Surface



DEM Dz -0.16 m

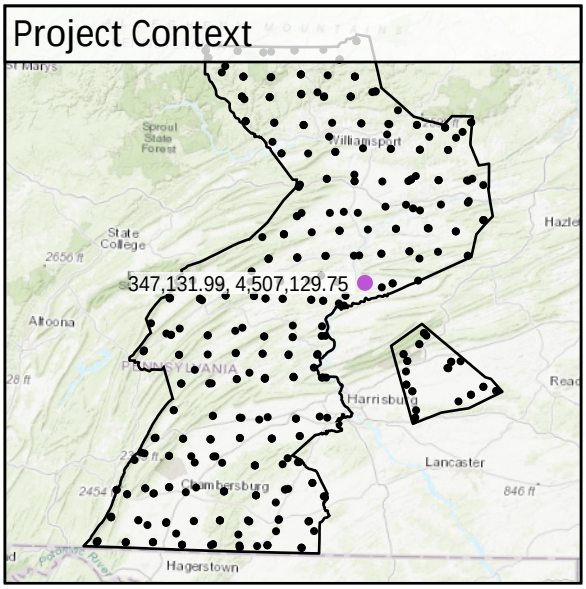
CAL - CA071

All Points TIN Dz -0.15 m

CA072

Known Z	237.12 m	Point Density	2.55 ppsm
DEM Dz	-0.16 m	Ground Density	2.55 ppsm
All Points TIN Dz	-0.16 m	Slope	5.09 °

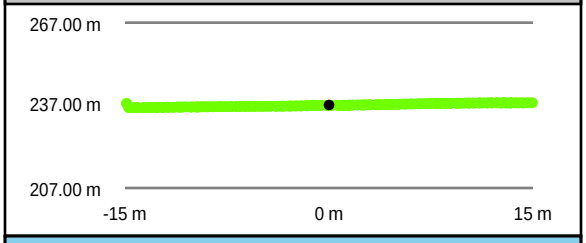
Project Context



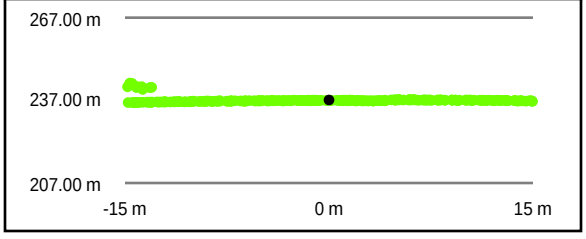
World Imagery



Southwest to Northeast



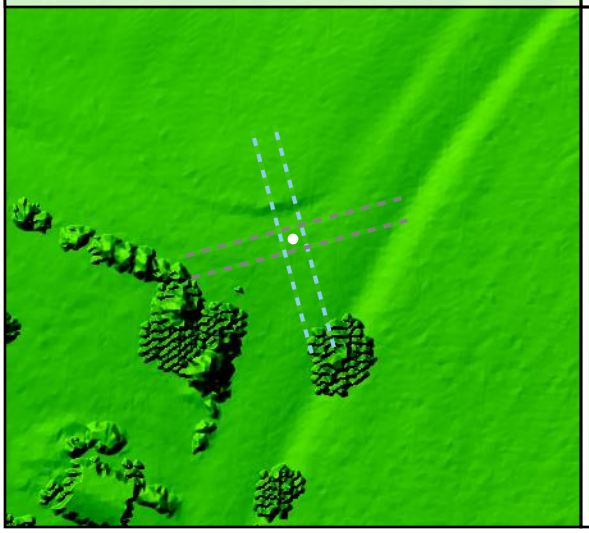
Southeast to Northwest



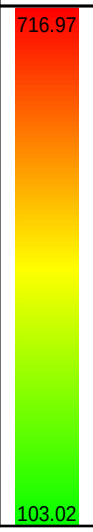
Intensity Raster



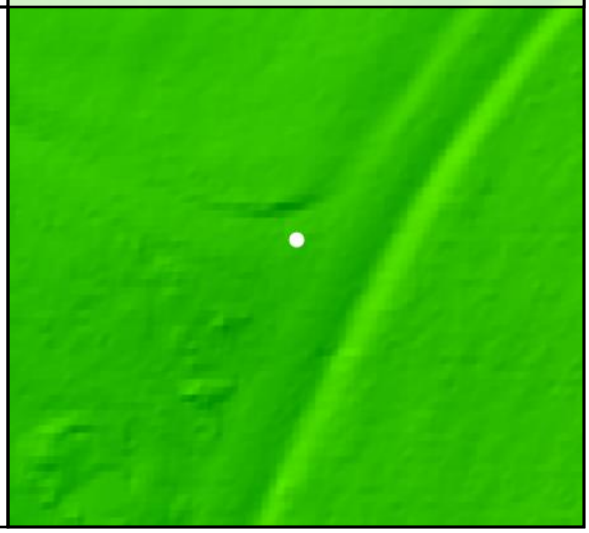
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.16 m

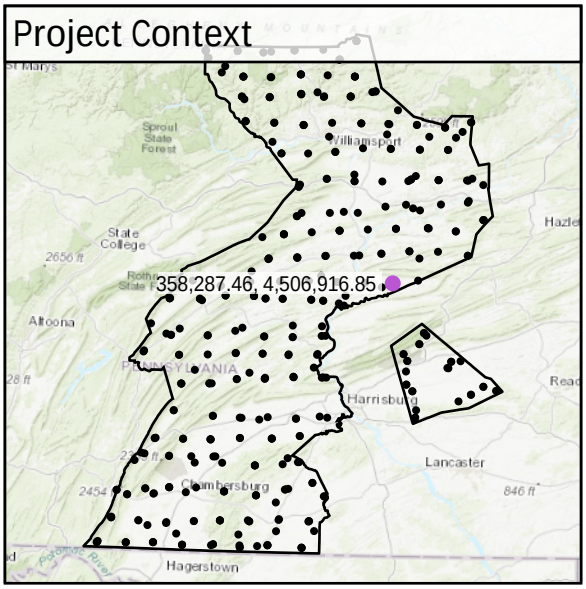
CAL - CA072

All Points TIN Dz -0.16 m

CA073

Known Z	296.34 m	Point Density	2.26 ppsm
DEM Dz	-0.12 m	Ground Density	2.26 ppsm
All Points TIN Dz	-0.13 m	Slope	0.98 °

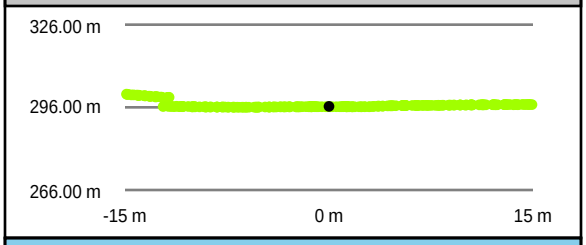
Project Context



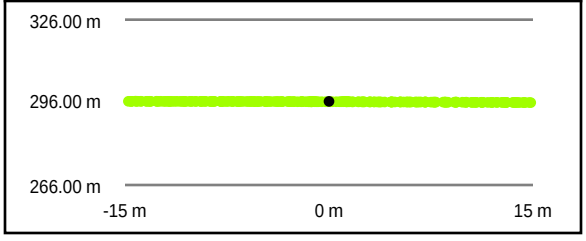
World Imagery



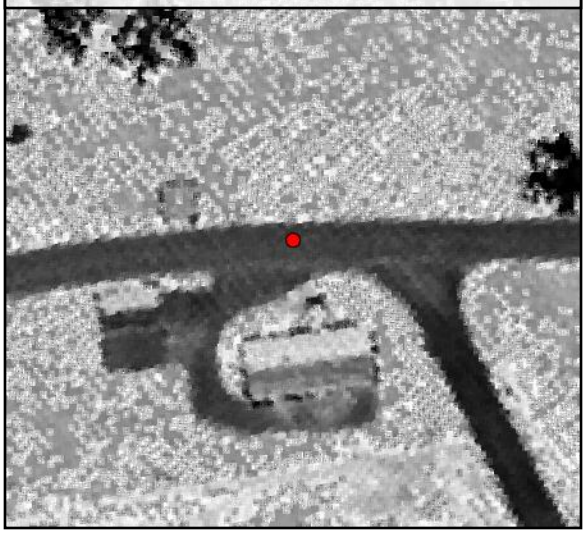
South to North



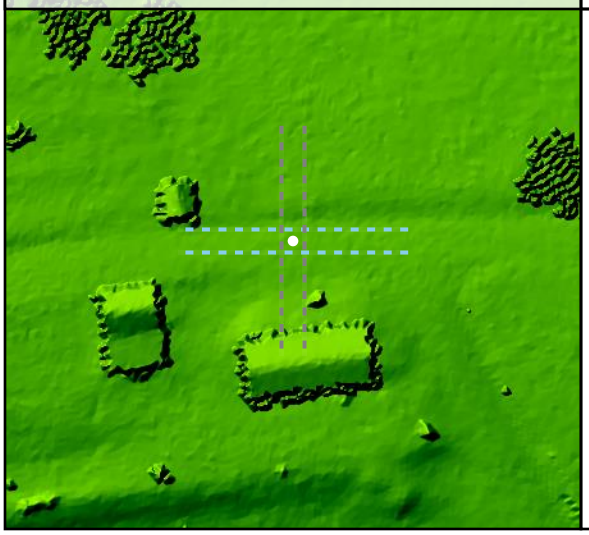
West to East



Intensity Raster



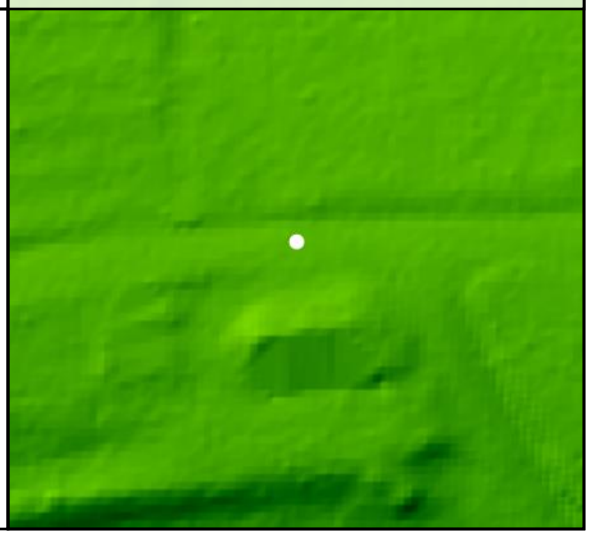
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.12 m

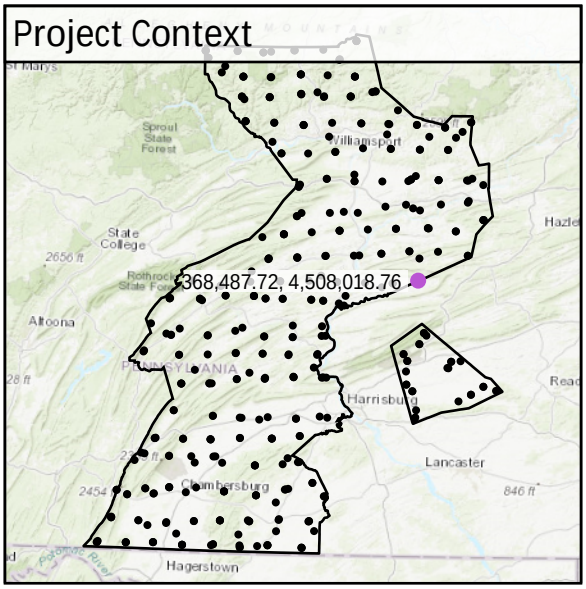
CAL - CA073

All Points TIN Dz -0.13 m

CA074

Known Z	232.25 m	Point Density	2.37 ppsm
DEM Dz	-0.13 m	Ground Density	2.37 ppsm
All Points TIN Dz	-0.13 m	Slope	2.98 °

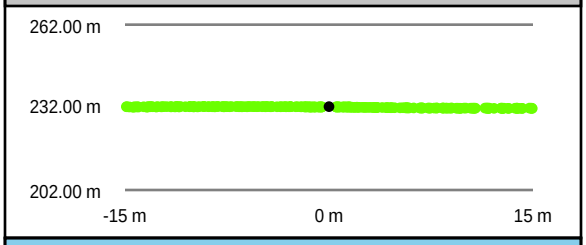
Project Context



World Imagery



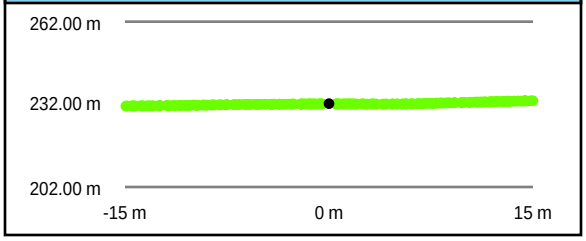
Southeast to Northwest



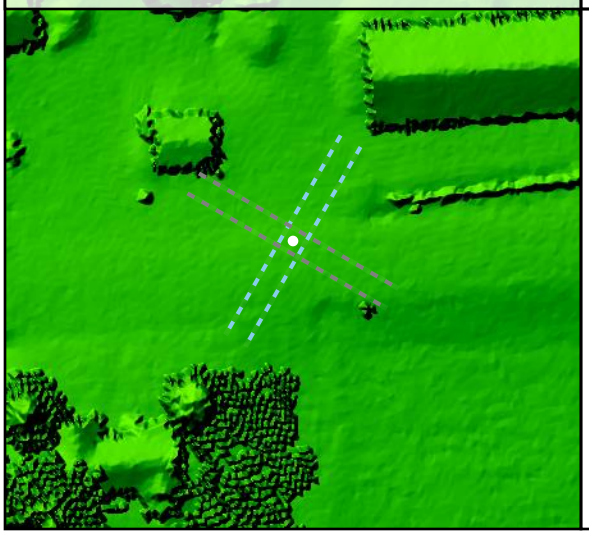
Intensity Raster



Southwest to Northeast



TIN Surface

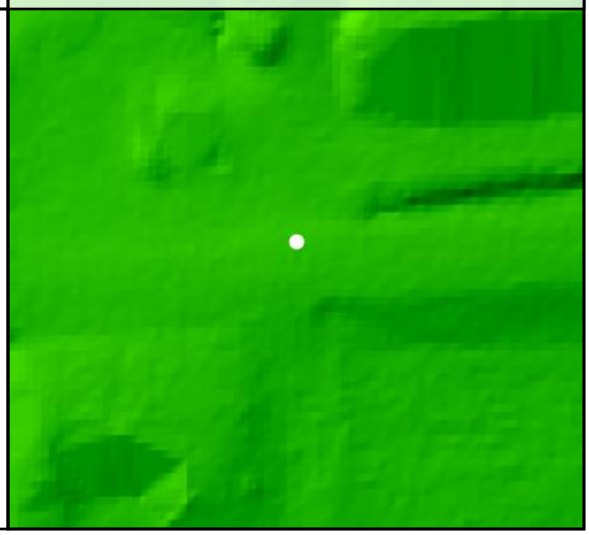


Project Elevation

716.97

103.02

DEM Surface



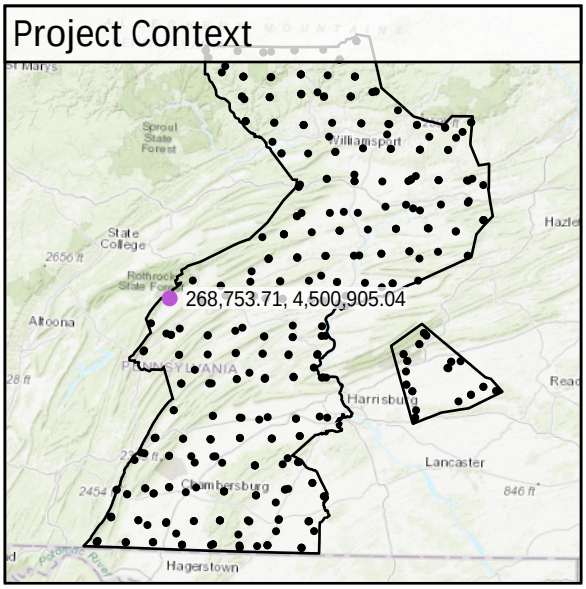
DEM Dz -0.13 m

CAL - CA074

All Points TIN Dz -0.13 m

CA075				
	Known Z	272.69 m	Point Density	8.45 ppsm
	DEM Dz	-0.07 m	Ground Density	2.58 ppsm
	All Points TIN Dz	-0.08 m	Slope	8.70 °

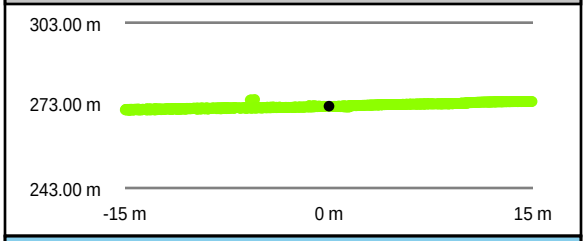
Project Context



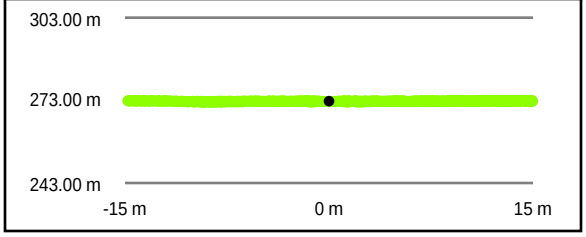
World Imagery



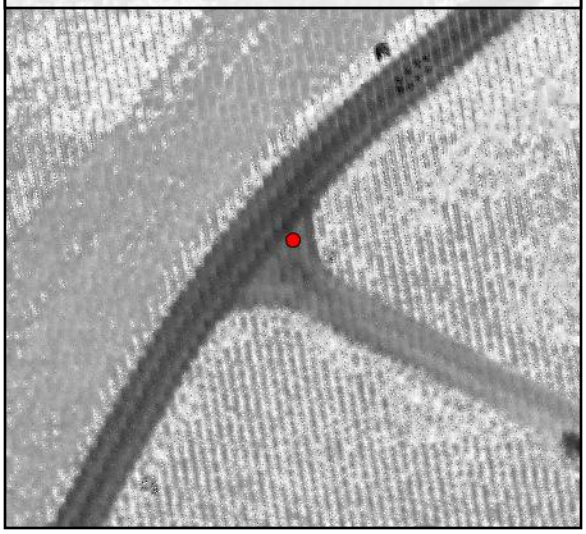
Southeast to Northwest



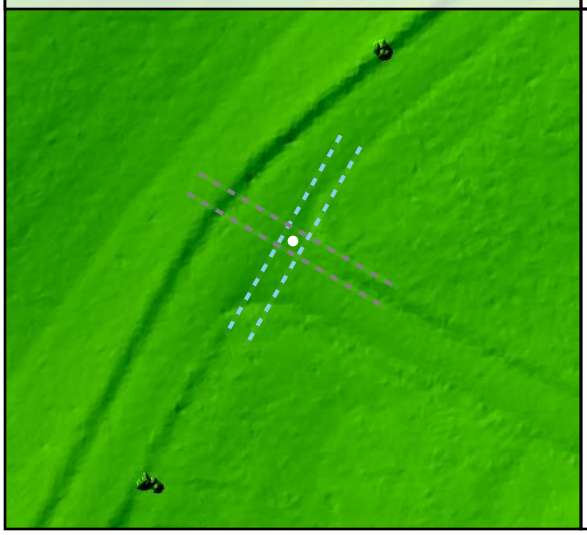
Southwest to Northeast



Intensity Raster



TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.07 m

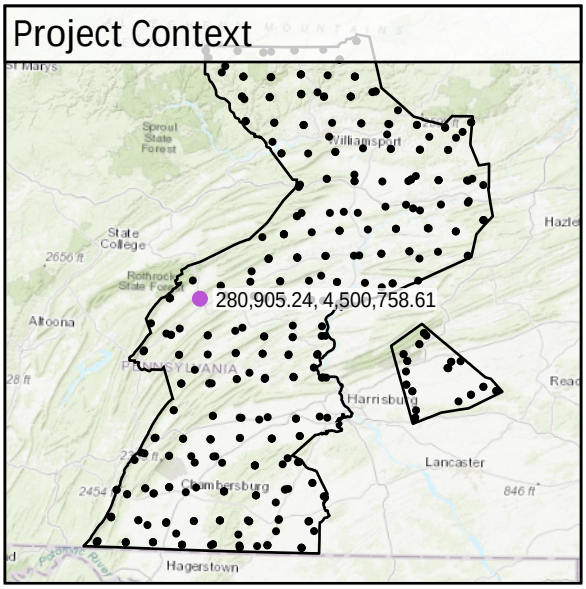
CAL - CA075

All Points TIN Dz -0.08 m

CA076

Known Z	185.80 m	Point Density	4.88 ppsm
DEM Dz	0.03 m	Ground Density	2.48 ppsm
All Points TIN Dz	0.03 m	Slope	3.18 °

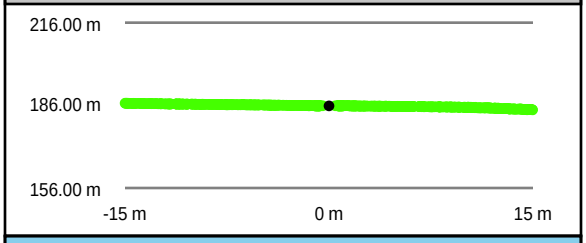
Project Context



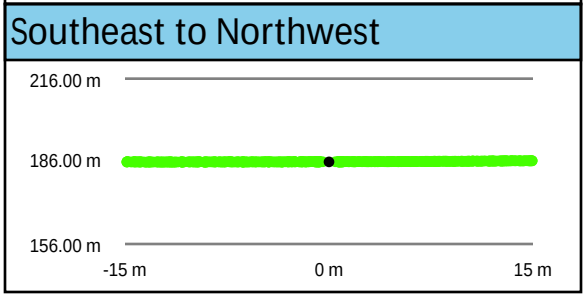
World Imagery



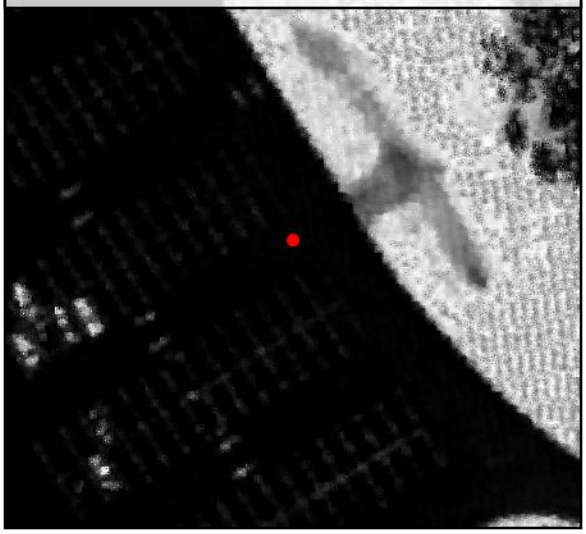
Southwest to Northeast



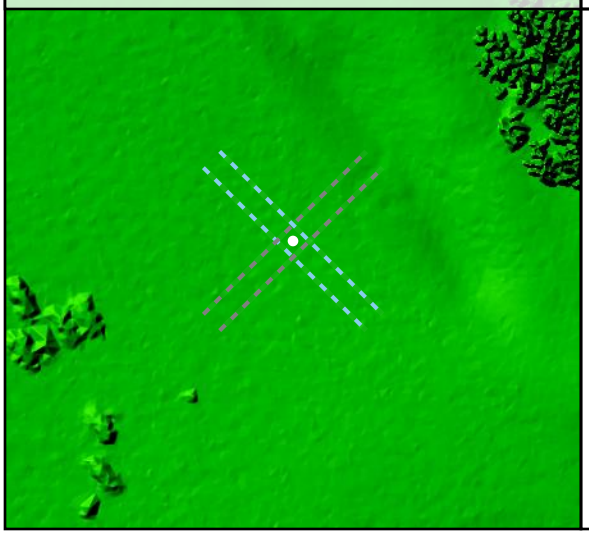
Southeast to Northwest



Intensity Raster



TIN Surface

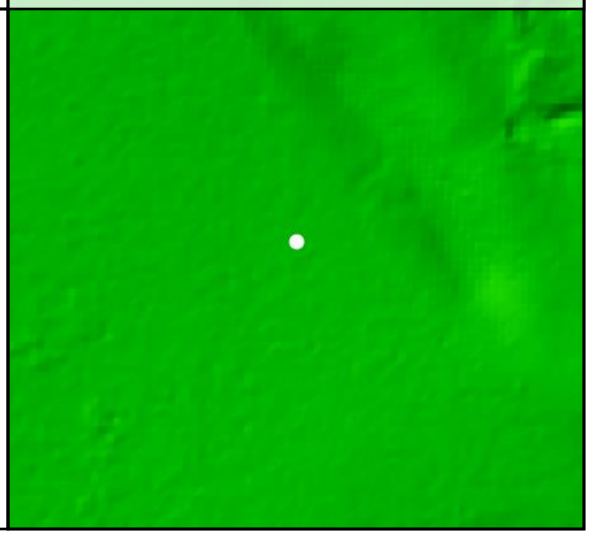


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.03 m

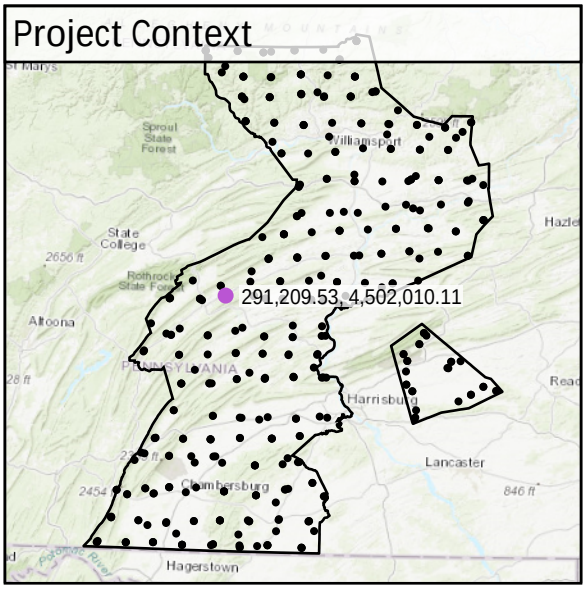
CAL - CA076

All Points TIN Dz +0.03 m

CA077

Known Z	177.36 m	Point Density	2.72 ppsm
DEM Dz	0.03 m	Ground Density	2.72 ppsm
All Points TIN Dz	0.04 m	Slope	2.41 °

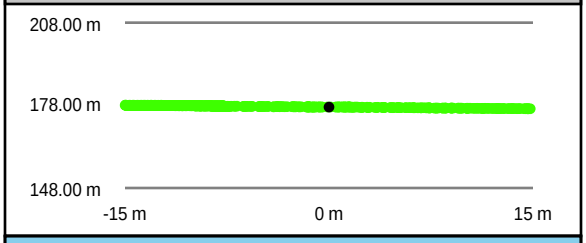
Project Context



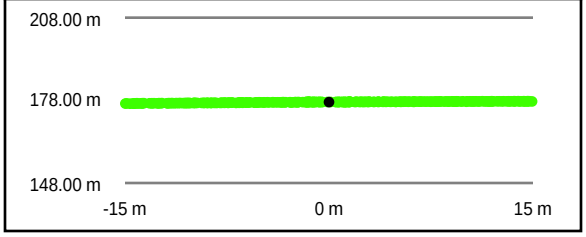
World Imagery



South to North



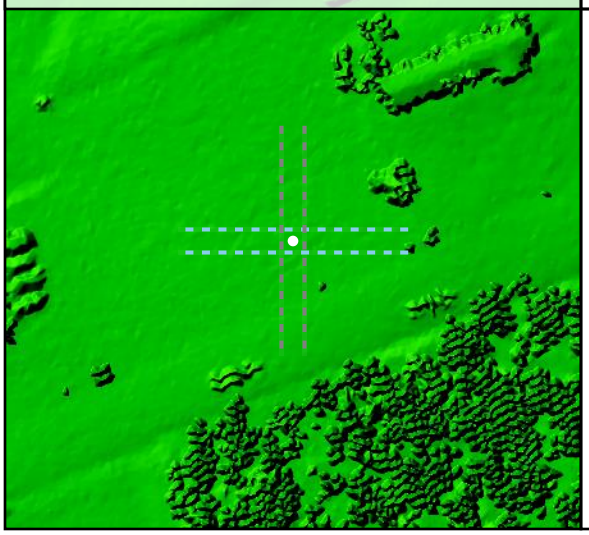
West to East



Intensity Raster



TIN Surface

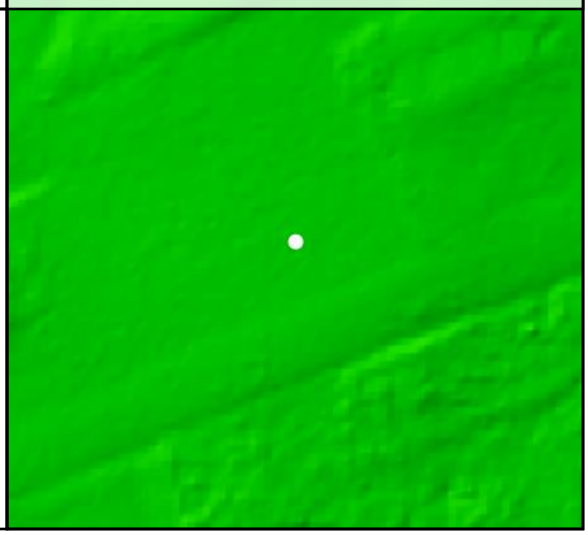


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.03 m

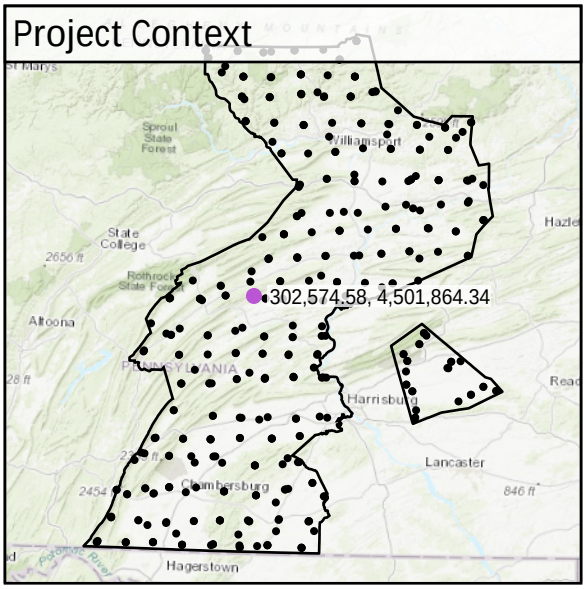
CAL - CA077

All Points TIN Dz +0.04 m

CA078

Known Z	230.66 m	Point Density	5.23 ppsm
DEM Dz	-0.02 m	Ground Density	2.44 ppsm
All Points TIN Dz	-0.03 m	Slope	3.61 °

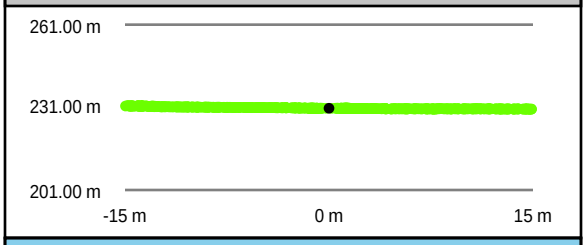
Project Context



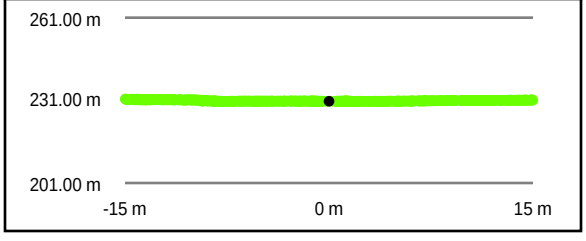
World Imagery



Southwest to Northeast



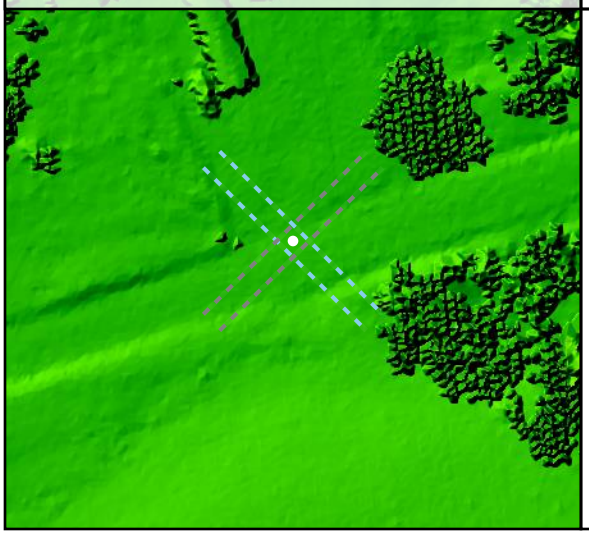
Southeast to Northwest



Intensity Raster



TIN Surface

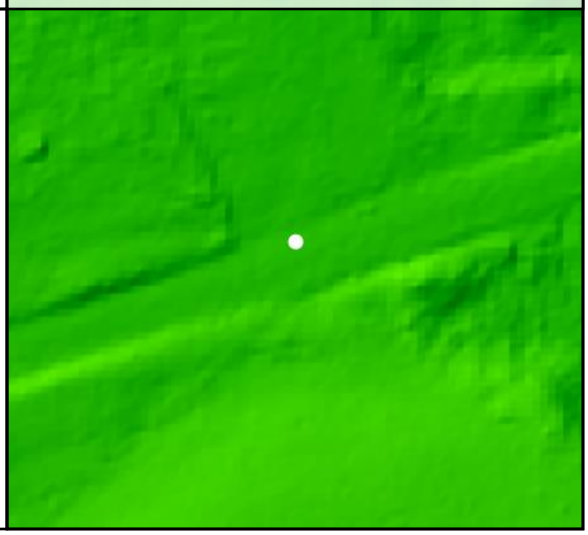


Project Elevation

716.97

103.02

DEM Surface



DEM Dz -0.02 m

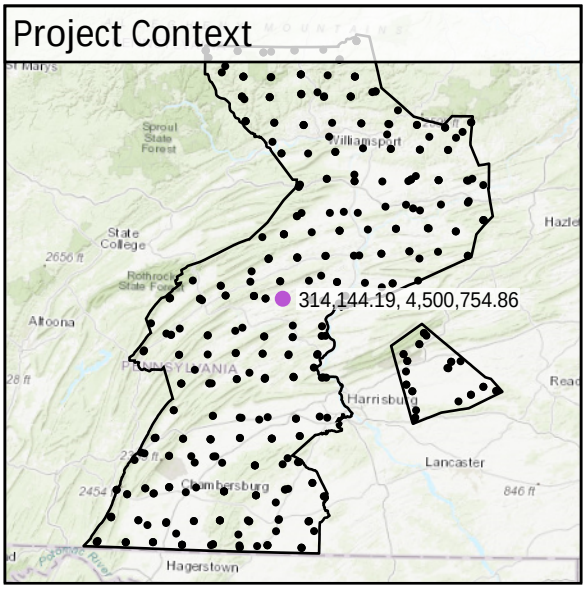
CAL - CA078

All Points TIN Dz -0.03 m

CA079

Known Z	202.97 m	Point Density	4.95 ppsm
DEM Dz	0.07 m	Ground Density	2.41 ppsm
All Points TIN Dz	0.06 m	Slope	3.23 °

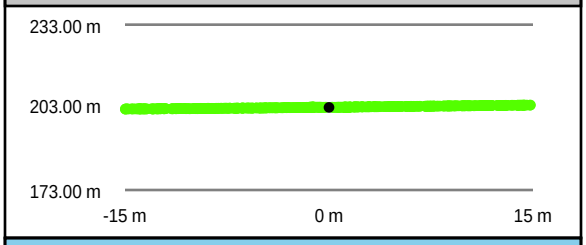
Project Context



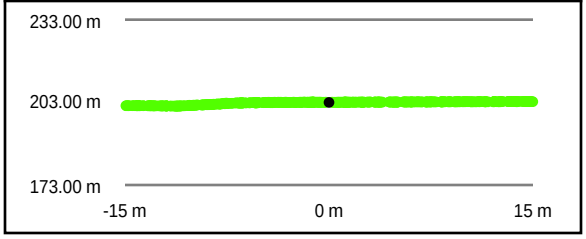
World Imagery



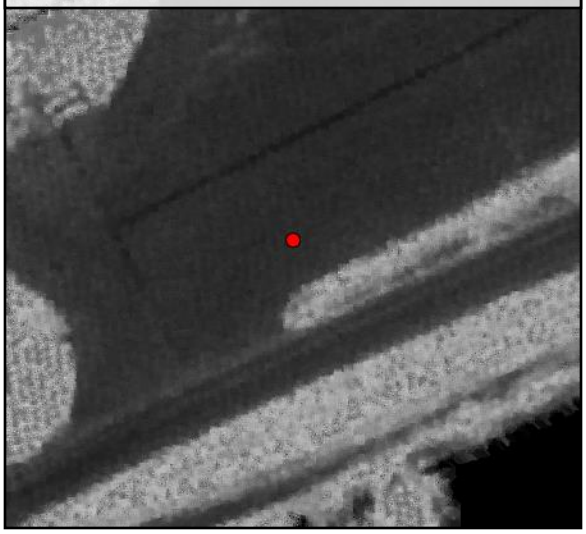
Southwest to Northeast



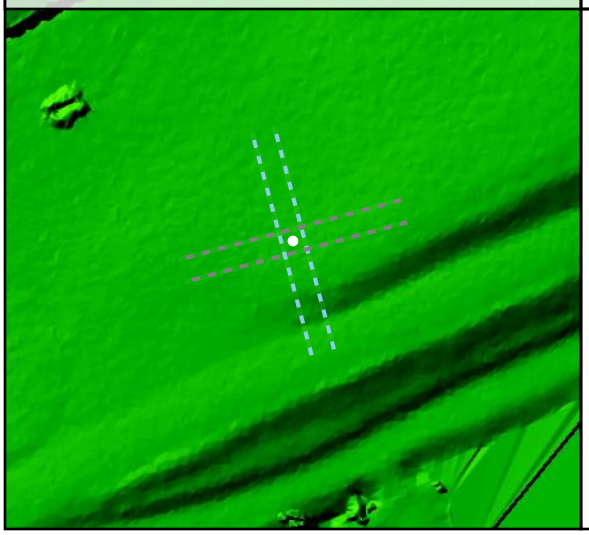
Southeast to Northwest



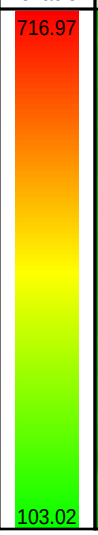
Intensity Raster



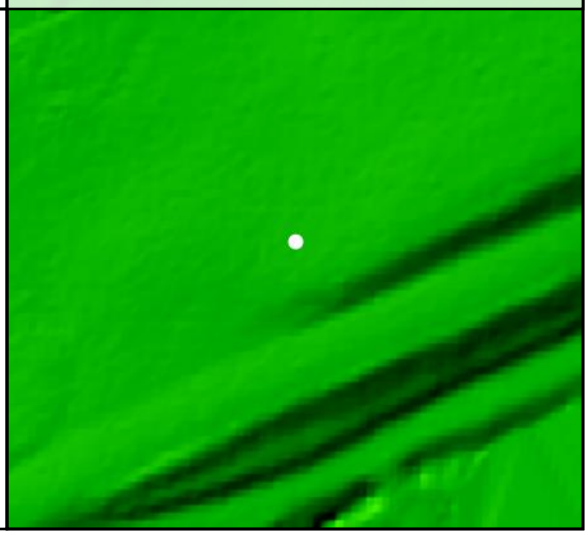
TIN Surface



Project Elevation



DEM Surface



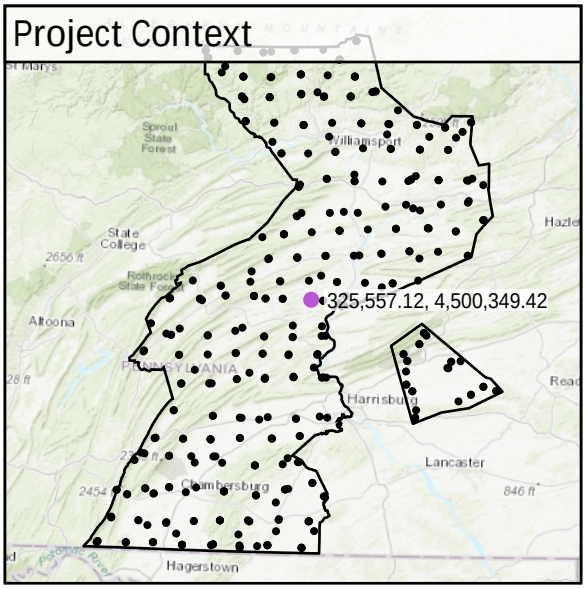
DEM Dz +0.07 m

CAL - CA079

All Points TIN Dz +0.06 m

CA080				
	Known Z	183.19 m	Point Density	5.45 ppsm
	DEM Dz	-0.02 m	Ground Density	2.41 ppsm
	All Points TIN Dz	-0.01 m	Slope	2.01 °

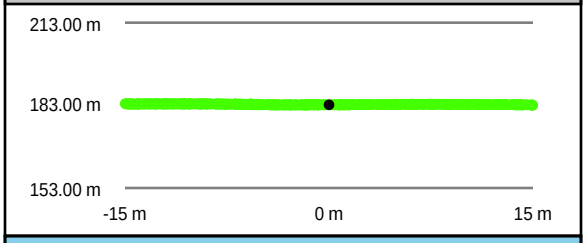
Project Context



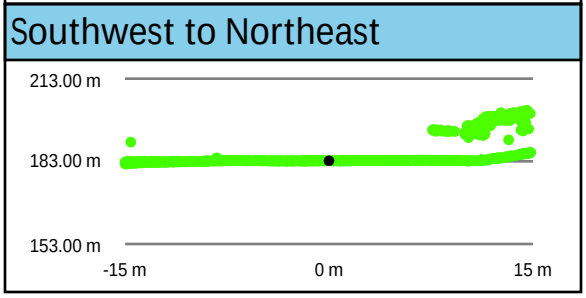
World Imagery



Southeast to Northwest



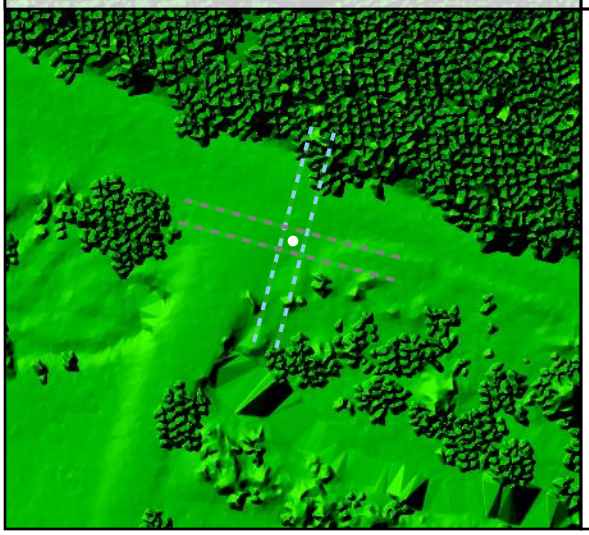
Southwest to Northeast



Intensity Raster



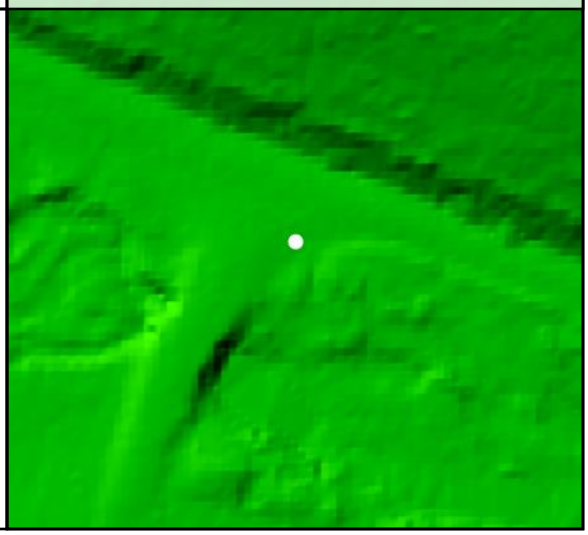
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.02 m

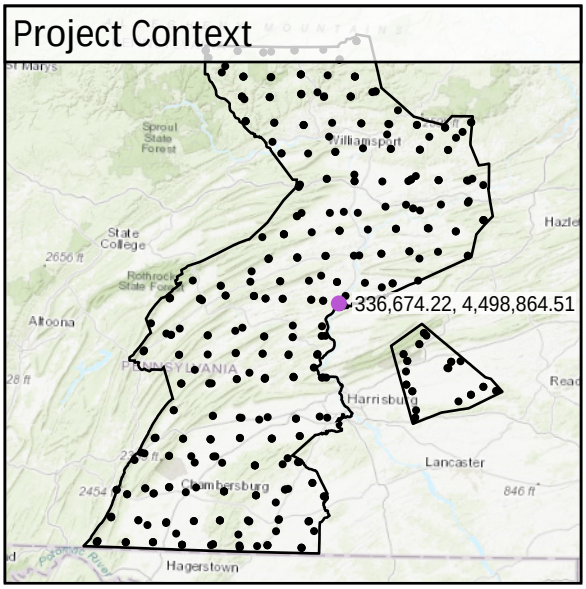
CAL - CA080

All Points TIN Dz -0.01 m

CA081

Known Z	165.73 m	Point Density	2.41 ppsm
DEM Dz	0.07 m	Ground Density	2.41 ppsm
All Points TIN Dz	0.06 m	Slope	1.14 °

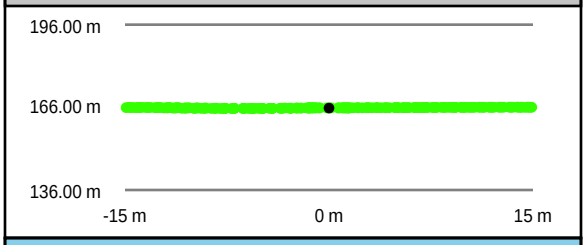
Project Context



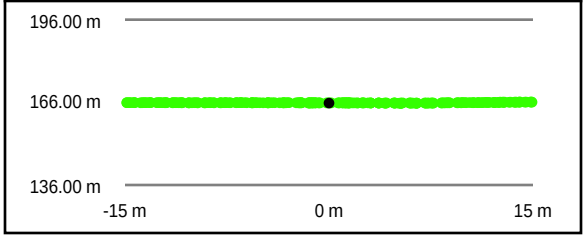
World Imagery



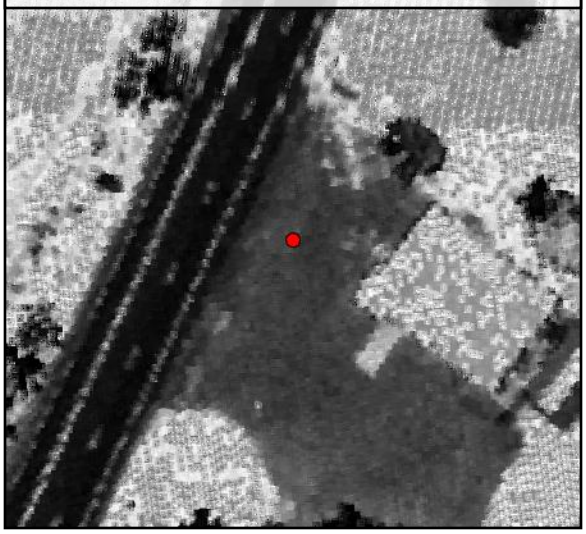
Southwest to Northeast



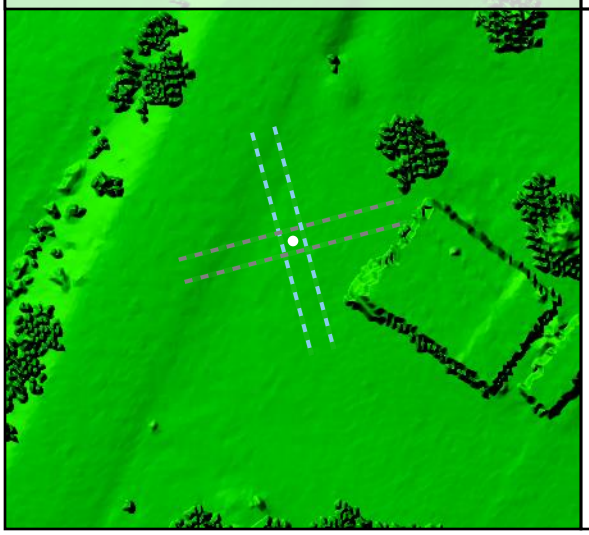
Southeast to Northwest



Intensity Raster



TIN Surface

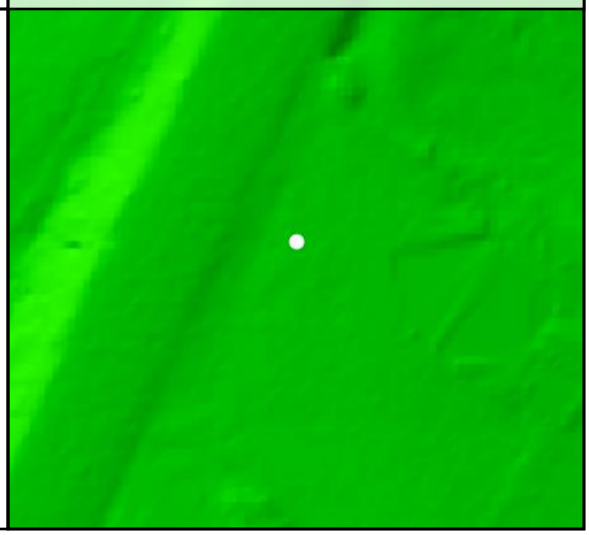


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.07 m

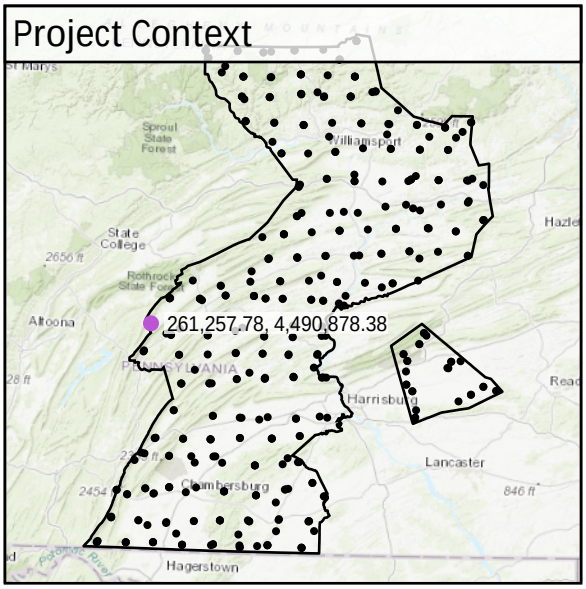
CAL - CA081

All Points TIN Dz +0.06 m

CA082

Known Z	297.17 m	Point Density	4.92 ppsm
DEM Dz	0.15 m	Ground Density	2.44 ppsm
All Points TIN Dz	0.16 m	Slope	2.80 °

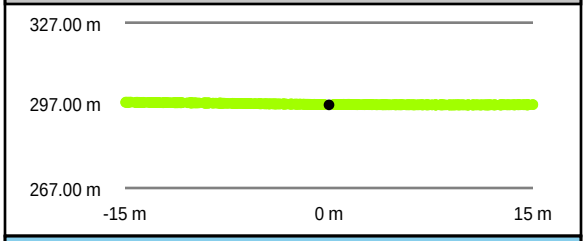
Project Context



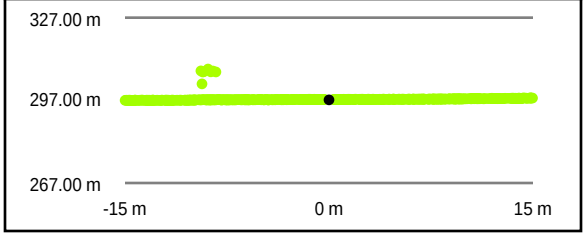
World Imagery



Southwest to Northeast



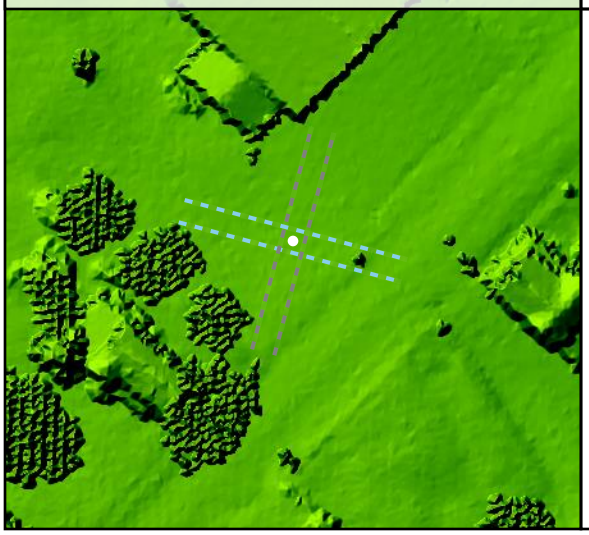
Southeast to Northwest



Intensity Raster



TIN Surface

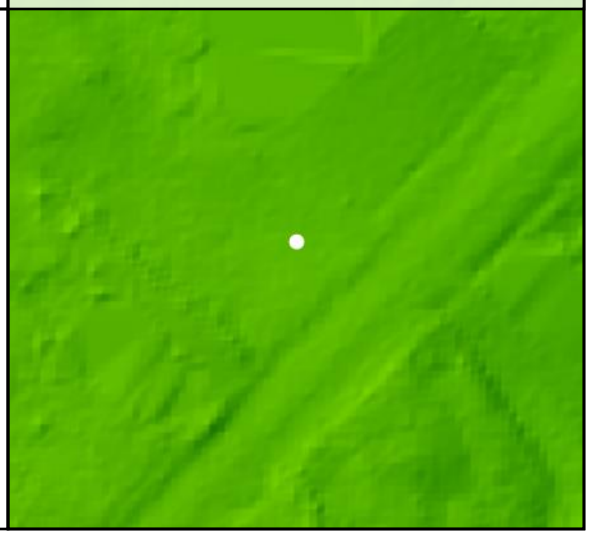


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.15 m

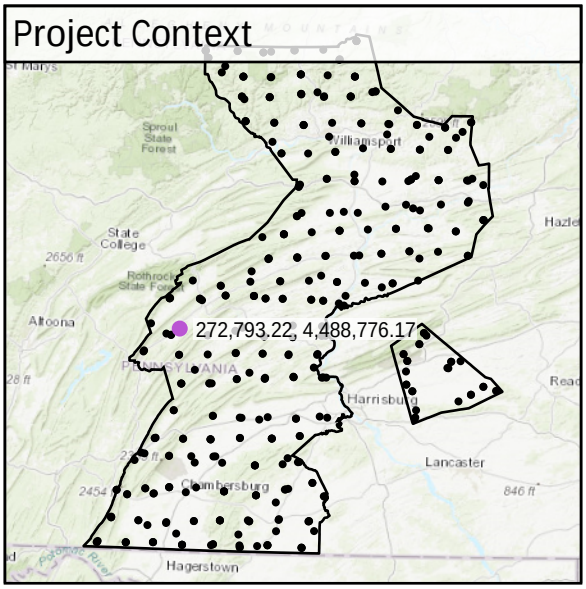
CAL - CA082

All Points TIN Dz +0.16 m

CA083

Known Z	158.12 m	Point Density	5.23 ppsm
DEM Dz	0.15 m	Ground Density	2.37 ppsm
All Points TIN Dz	0.14 m	Slope	1.59 °

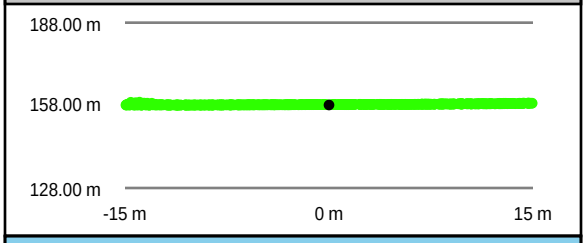
Project Context



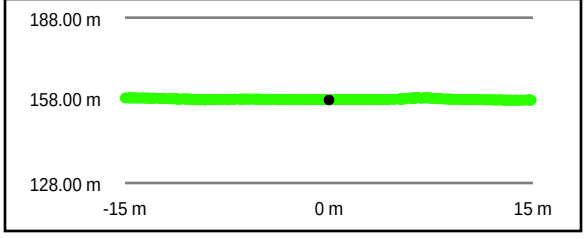
World Imagery



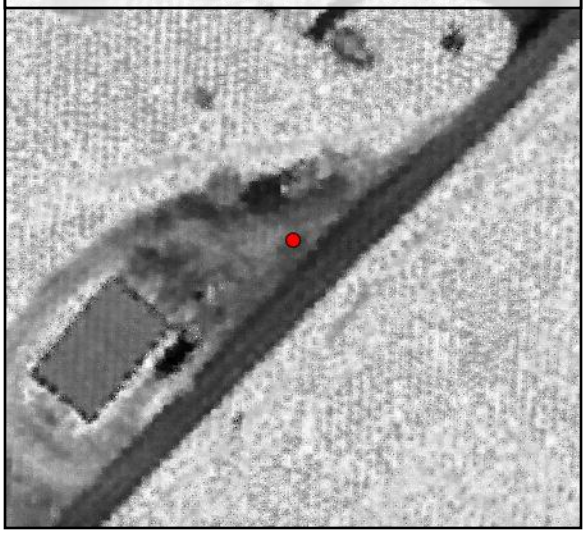
Southwest to Northeast



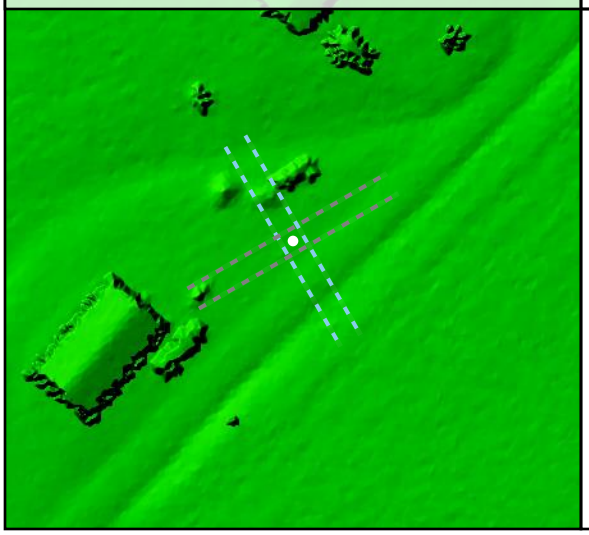
Southeast to Northwest



Intensity Raster



TIN Surface

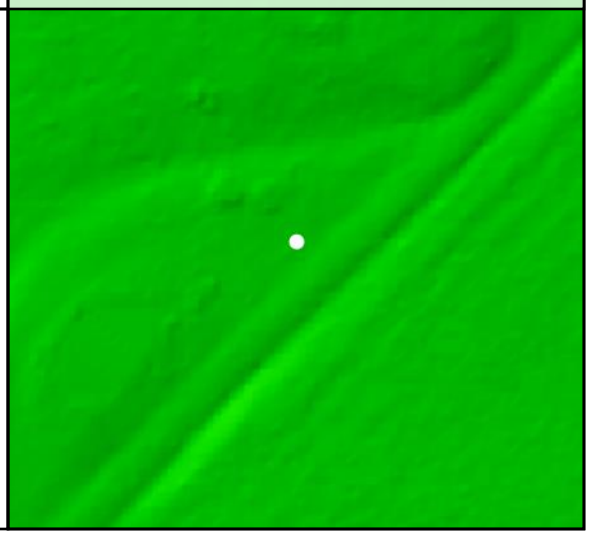


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.15 m

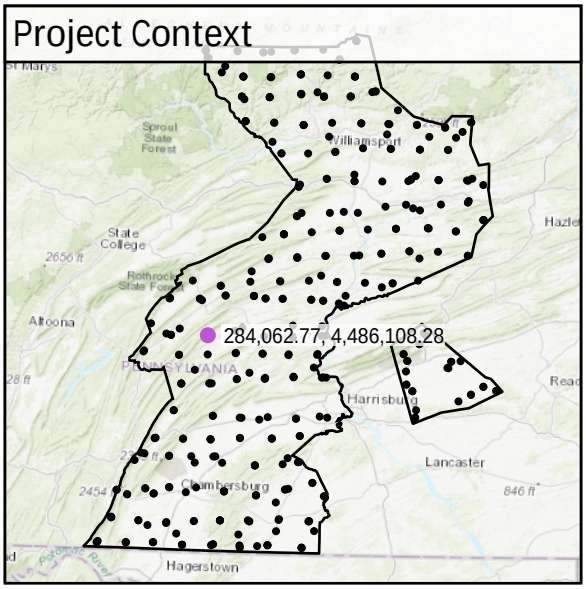
CAL - CA083

All Points TIN Dz +0.14 m

CA084

Known Z	211.07 m	Point Density	2.55 ppsm
DEM Dz	0.11 m	Ground Density	2.55 ppsm
All Points TIN Dz	0.10 m	Slope	4.77 °

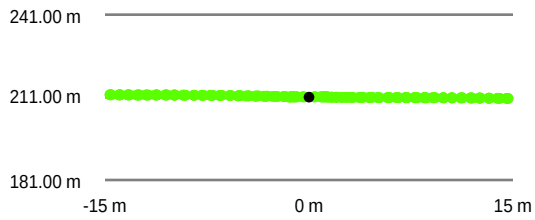
Project Context



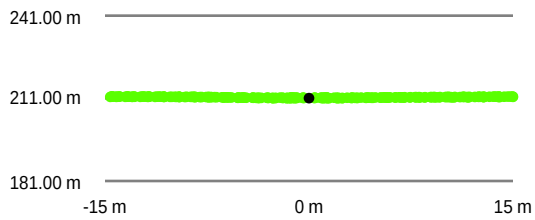
World Imagery



West to East



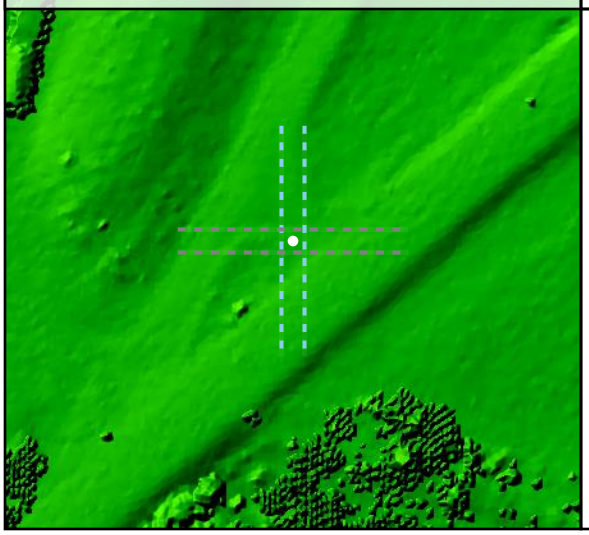
South to North



Intensity Raster



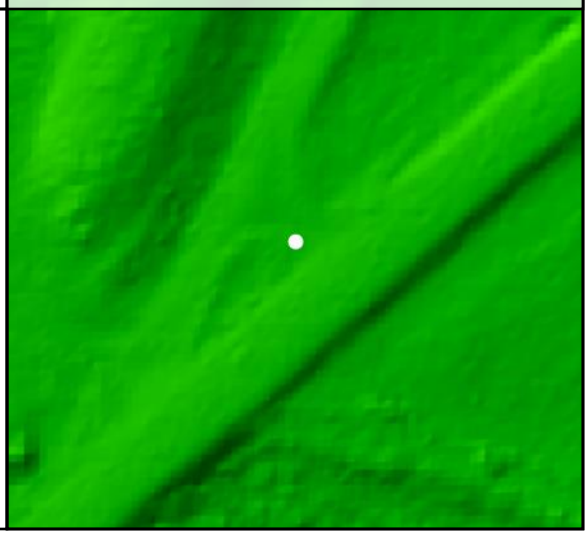
TIN Surface



Project Elevation



DEM Surface



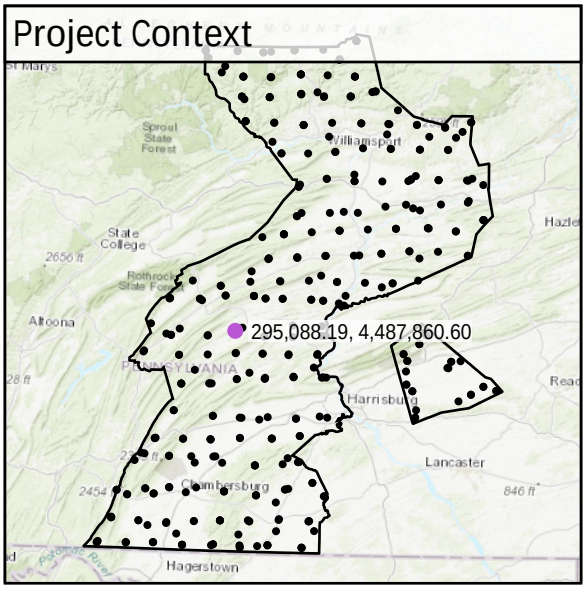
DEM Dz +0.11 m

CAL - CA084

All Points TIN Dz +0.10 m

CA085				
	Known Z	137.09 m	Point Density	5.06 ppsm
	DEM Dz	0.05 m	Ground Density	2.58 ppsm
	All Points TIN Dz	0.07 m	Slope	4.56 °

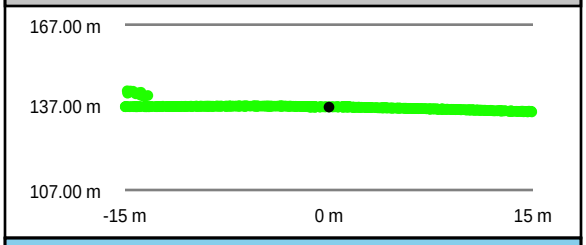
Project Context



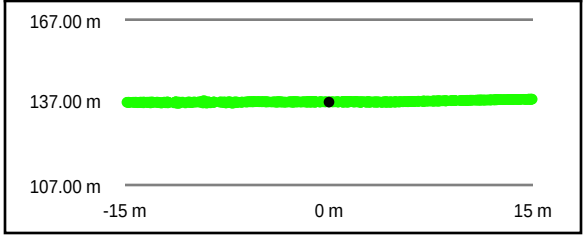
World Imagery



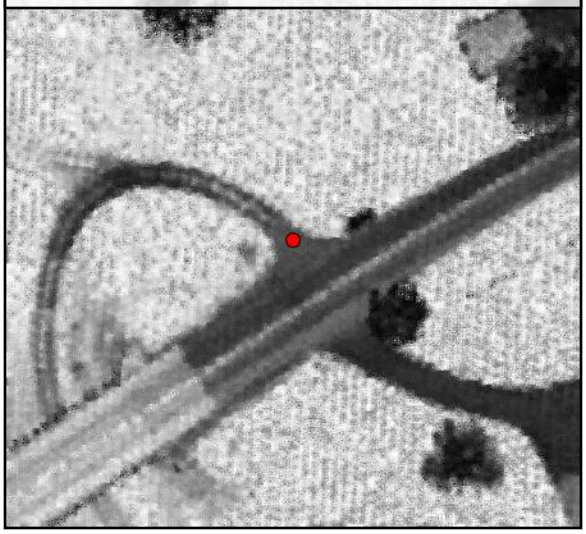
Southeast to Northwest



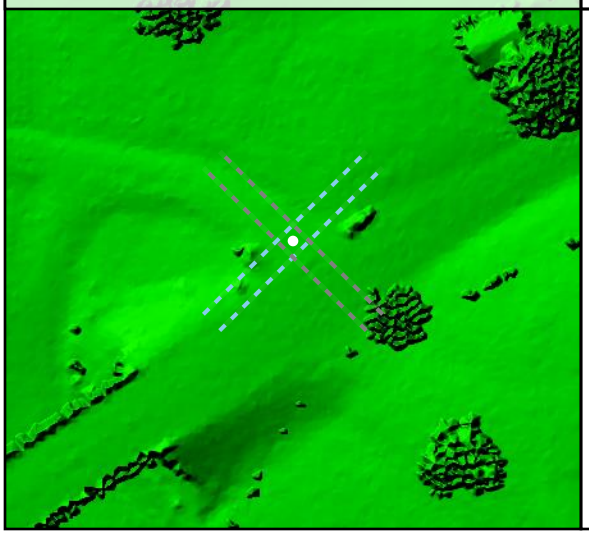
Southwest to Northeast



Intensity Raster



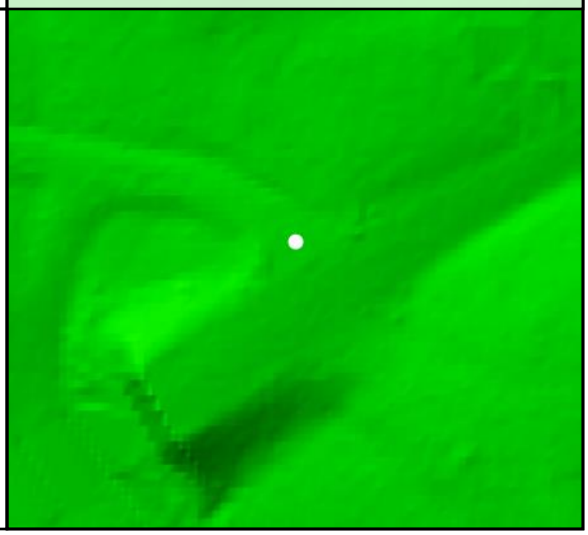
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.05 m

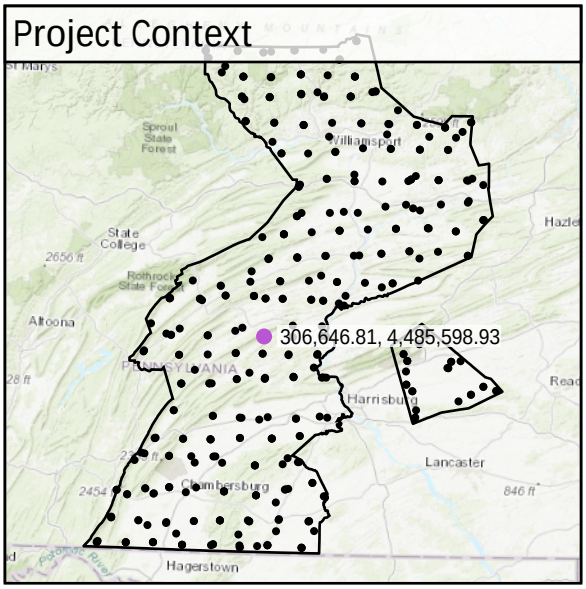
CAL - CA085

All Points TIN Dz +0.07 m

CA086

Known Z	178.60 m	Point Density	6.54 ppsm
DEM Dz	0.08 m	Ground Density	2.26 ppsm
All Points TIN Dz	0.08 m	Slope	2.33 °

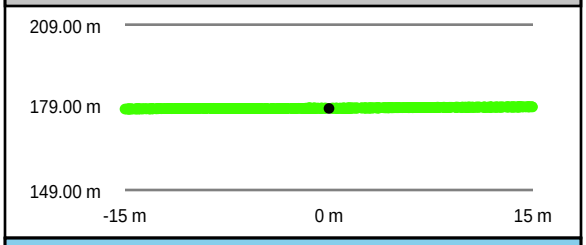
Project Context



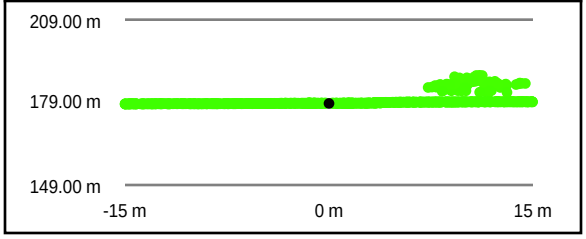
World Imagery



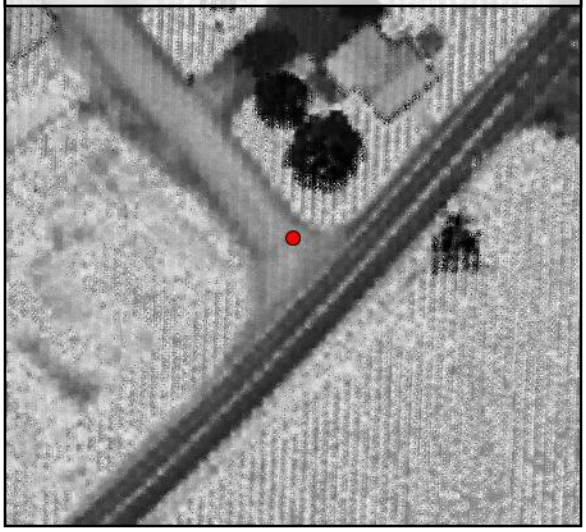
Southeast to Northwest



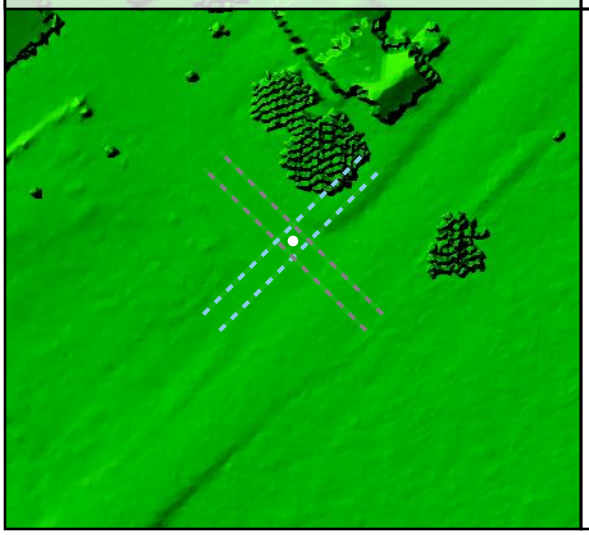
Southwest to Northeast



Intensity Raster



TIN Surface

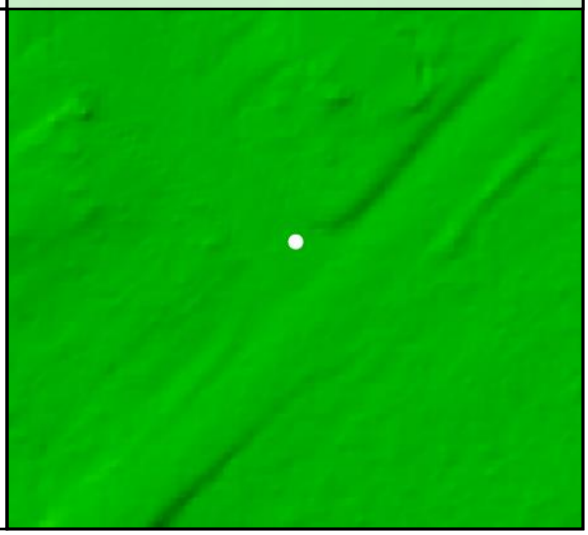


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.08 m

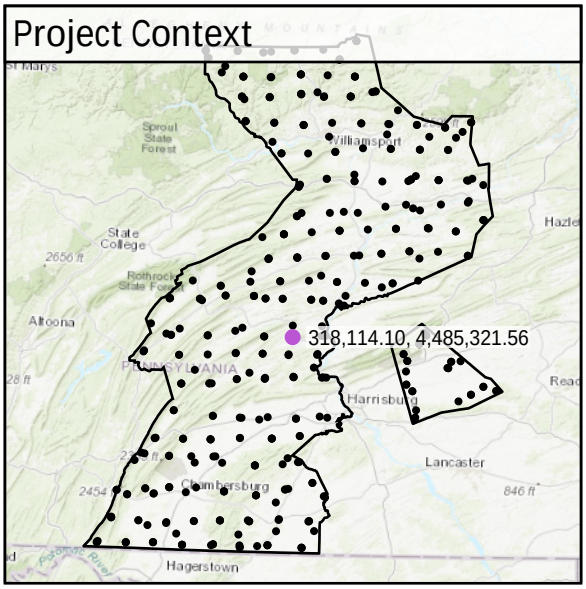
CAL - CA086

All Points TIN Dz +0.08 m

CA087

Known Z	124.04 m	Point Density	6.61 ppsm
DEM Dz	0.18 m	Ground Density	2.16 ppsm
All Points TIN Dz	0.17 m	Slope	1.21 °

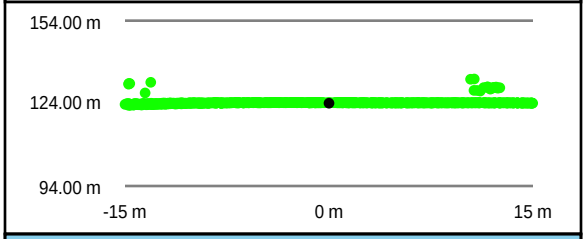
Project Context



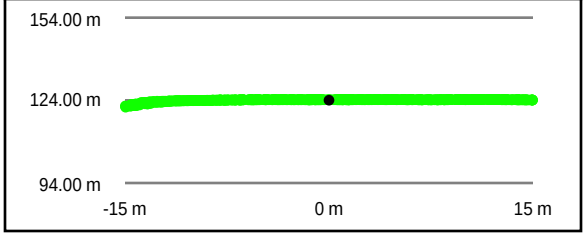
World Imagery



Southeast to Northwest



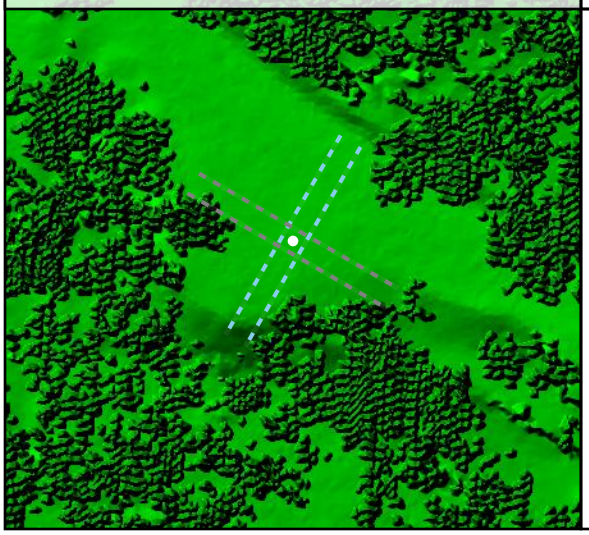
Southwest to Northeast



Intensity Raster



TIN Surface

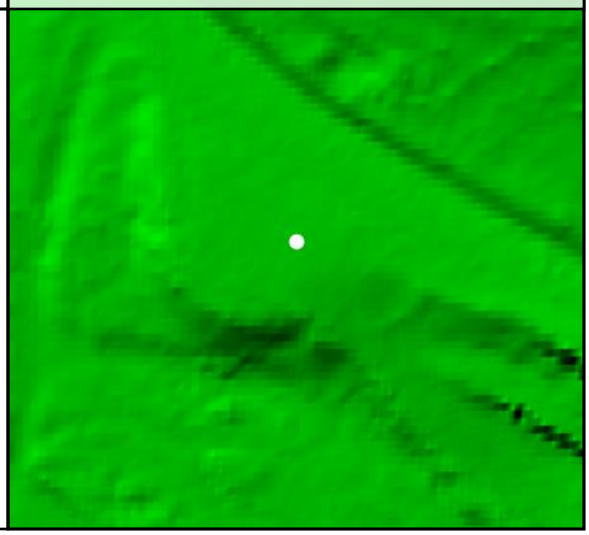


Project Elevation

716.97

103.02

DEM Surface



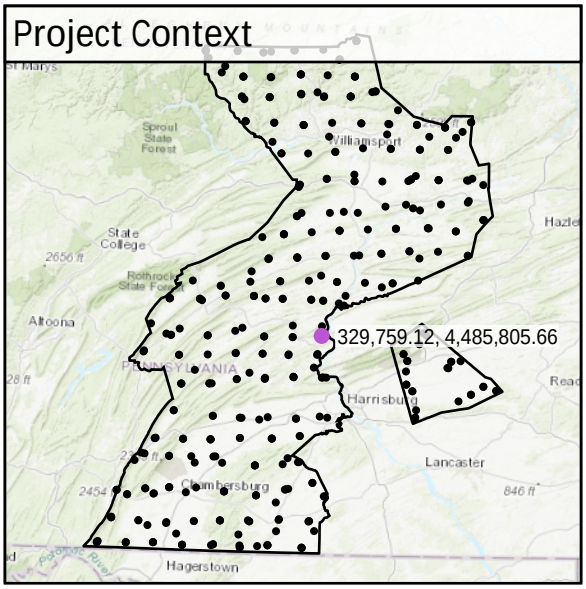
DEM Dz +0.18 m

CAL - CA087

All Points TIN Dz +0.17 m

CA088				
	Known Z	162.18 m	Point Density	4.70 ppsm
	DEM Dz	0.12 m	Ground Density	2.26 ppsm
	All Points TIN Dz	0.12 m	Slope	3.76 °

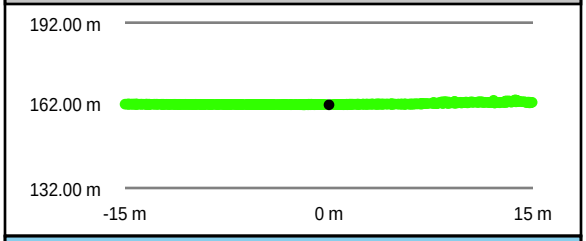
Project Context



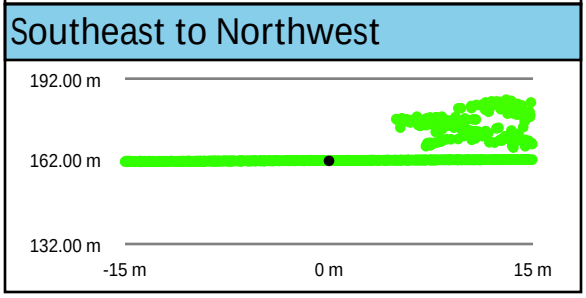
World Imagery



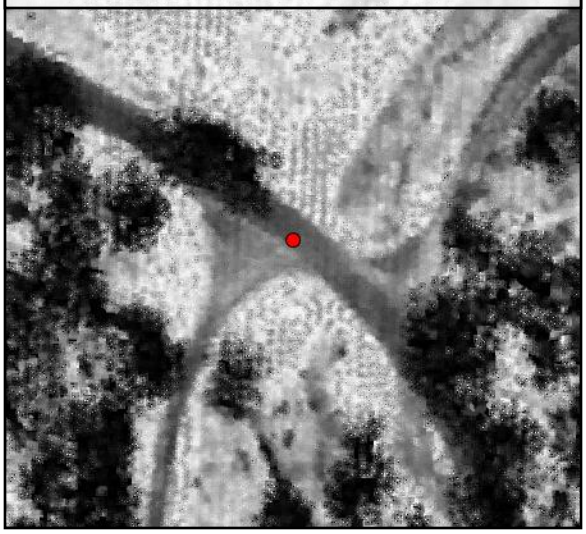
Southwest to Northeast



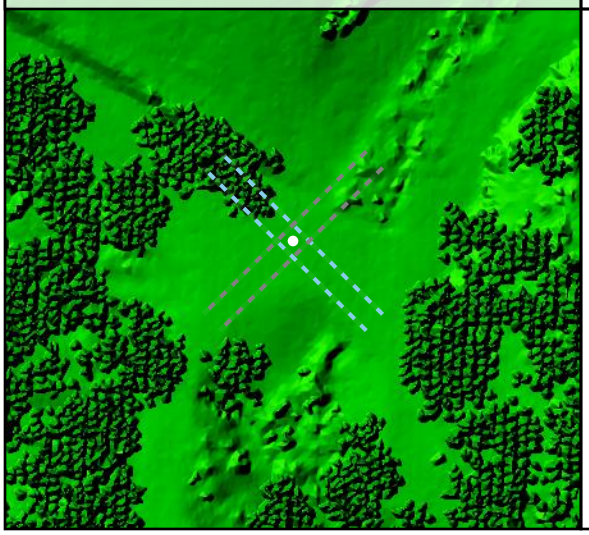
Southeast to Northwest



Intensity Raster



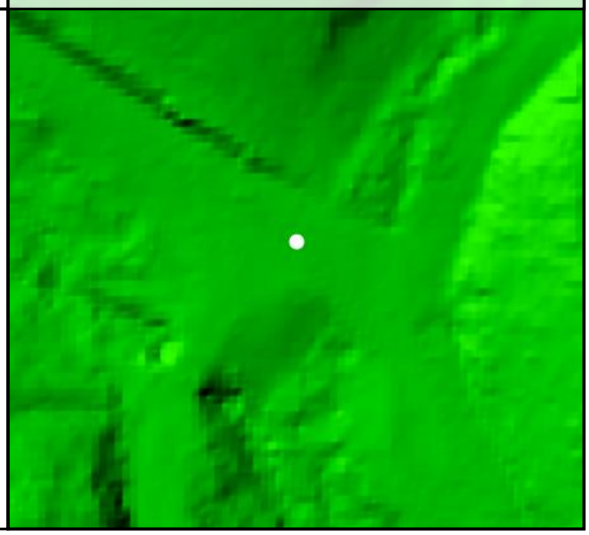
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.12 m

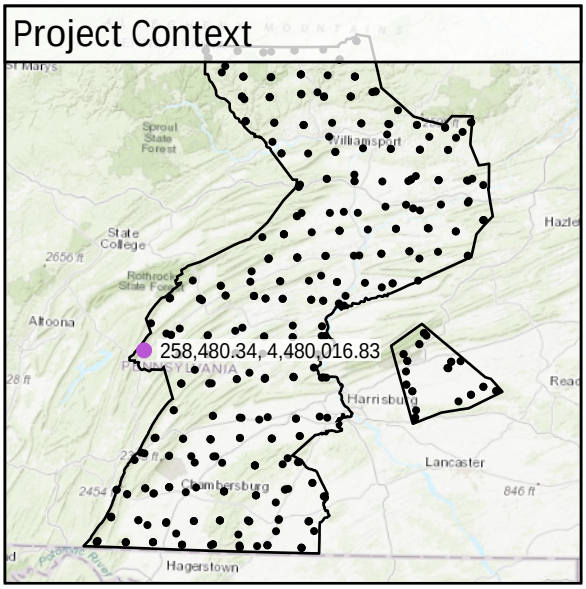
CAL - CA088

All Points TIN Dz +0.12 m

CA089

Known Z	205.73 m	Point Density	2.58 ppsm
DEM Dz	0.12 m	Ground Density	2.58 ppsm
All Points TIN Dz	0.12 m	Slope	1.65 °

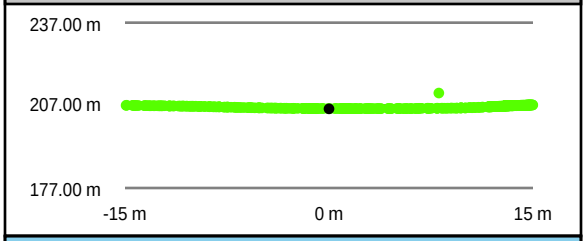
Project Context



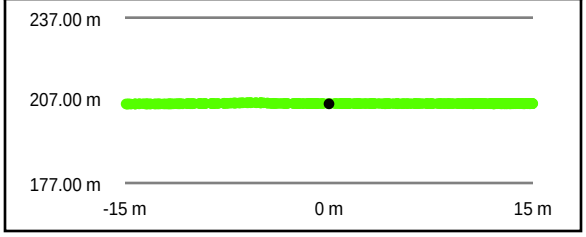
World Imagery



Southeast to Northwest



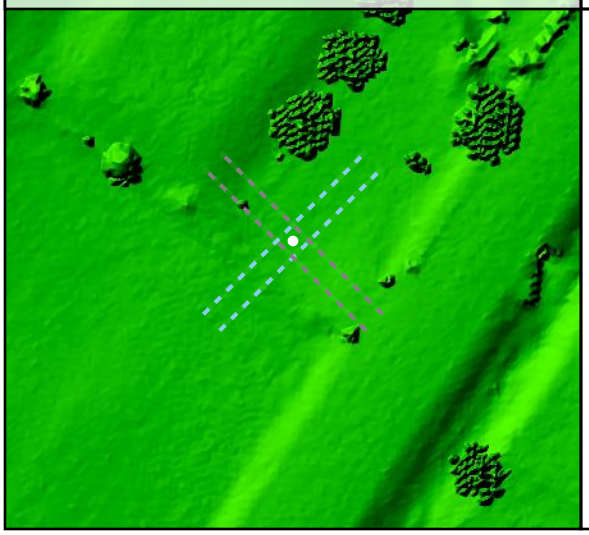
Southwest to Northeast



Intensity Raster



TIN Surface

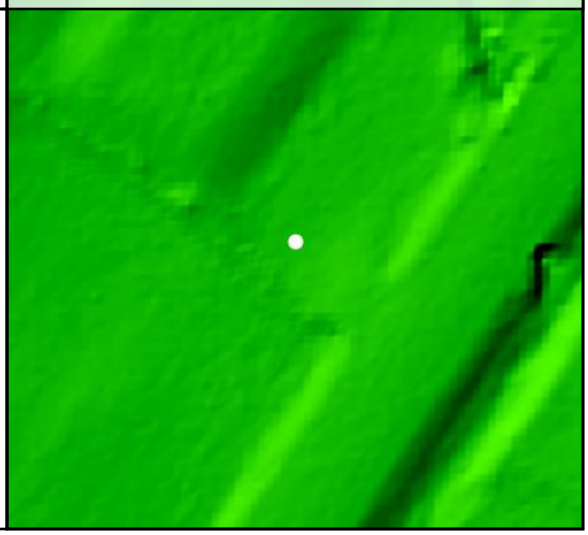


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.12 m

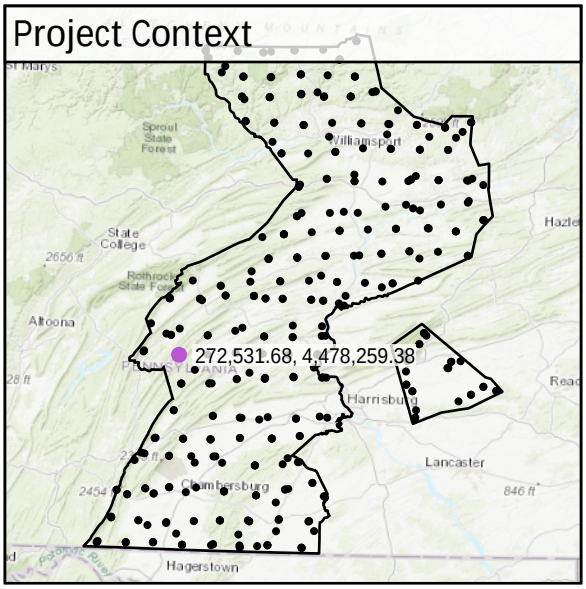
CAL - CA089

All Points TIN Dz +0.12 m

CA090

Known Z	342.96 m	Point Density	5.41 ppsm
DEM Dz	0.07 m	Ground Density	2.83 ppsm
All Points TIN Dz	0.08 m	Slope	5.12 °

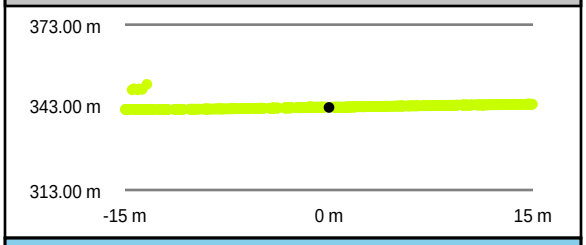
Project Context



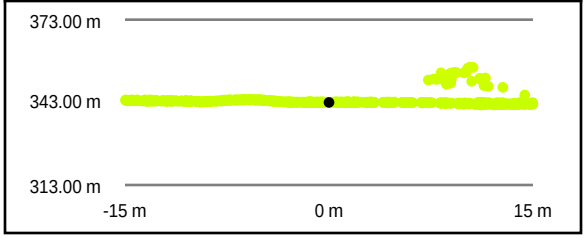
World Imagery



South to North



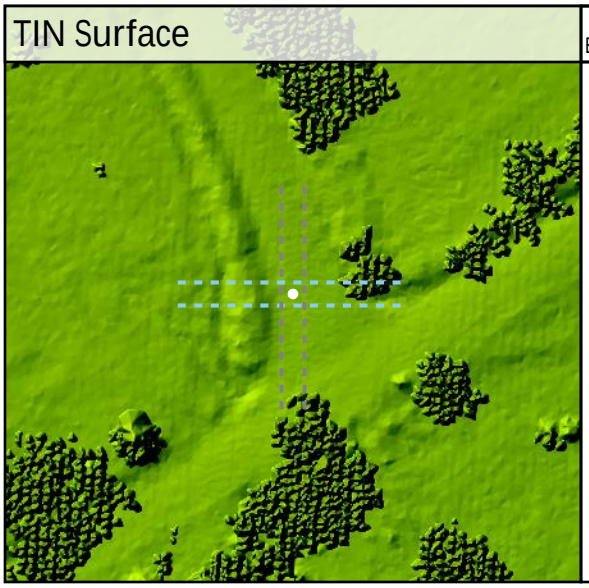
West to East



Intensity Raster



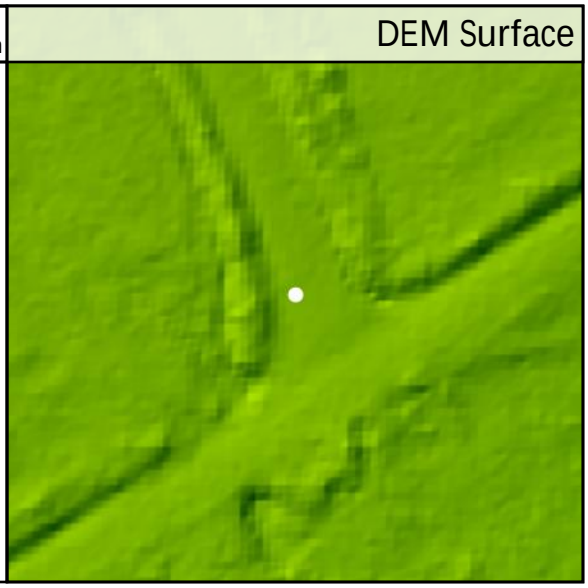
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.07 m

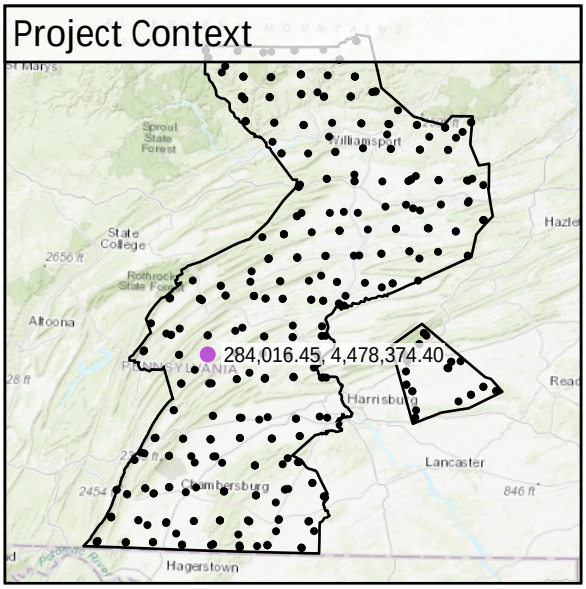
CAL - CA090

All Points TIN Dz +0.08 m

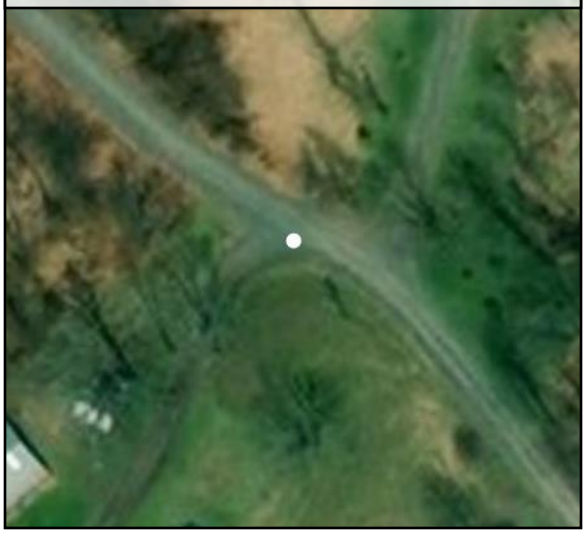
CA091

Known Z	208.38 m	Point Density	4.95 ppsm
DEM Dz	0.14 m	Ground Density	2.48 ppsm
All Points TIN Dz	0.15 m	Slope	11.41 °

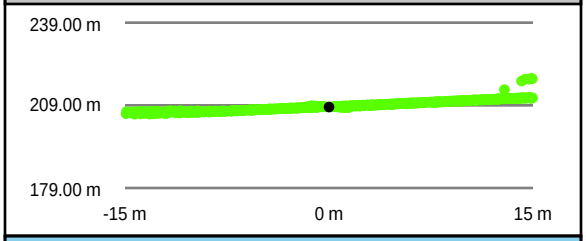
Project Context



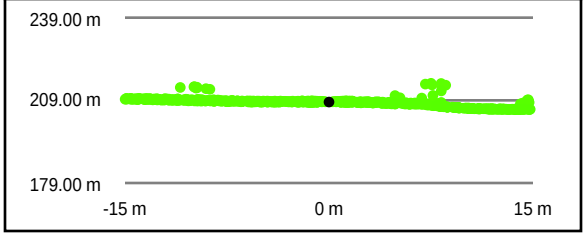
World Imagery



Southeast to Northwest



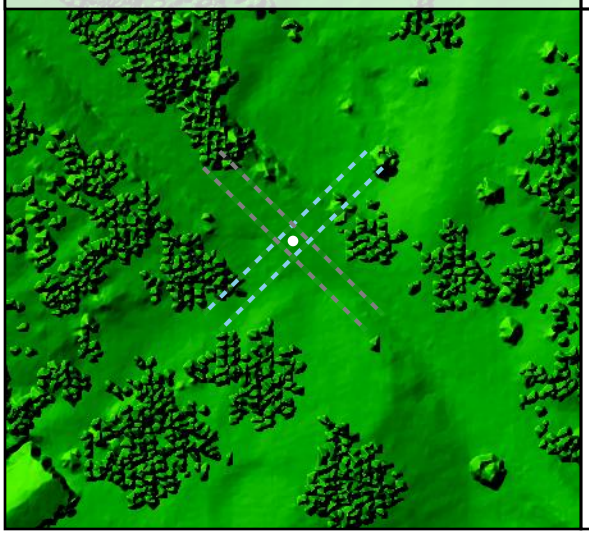
Southwest to Northeast



Intensity Raster



TIN Surface

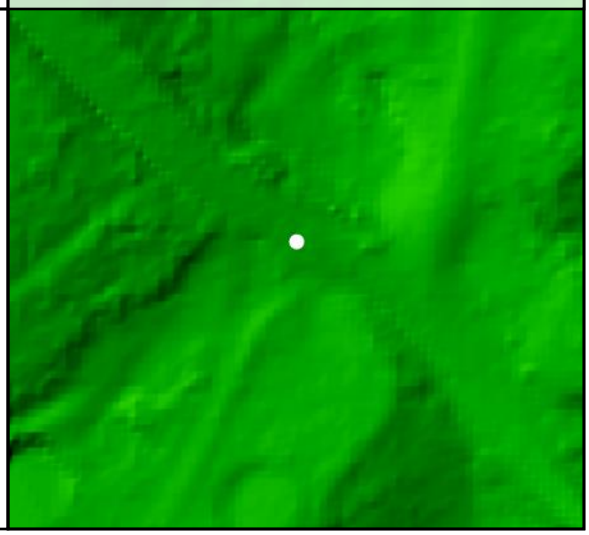


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.14 m

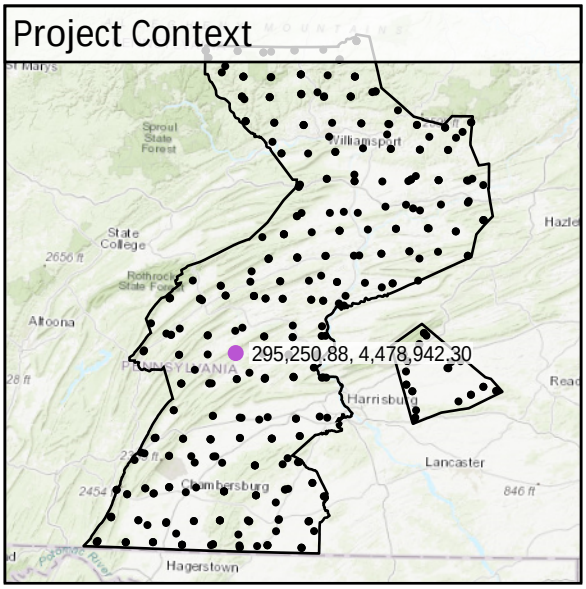
CAL - CA091

All Points TIN Dz +0.15 m

CA092

Known Z	229.66 m	Point Density	2.55 ppsm
DEM Dz	0.10 m	Ground Density	2.55 ppsm
All Points TIN Dz	0.10 m	Slope	1.61 °

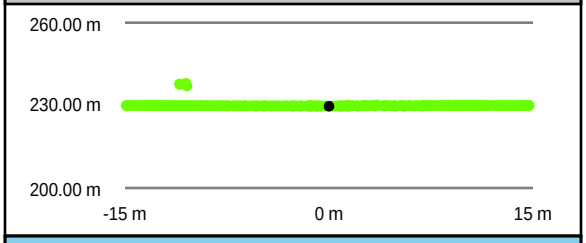
Project Context



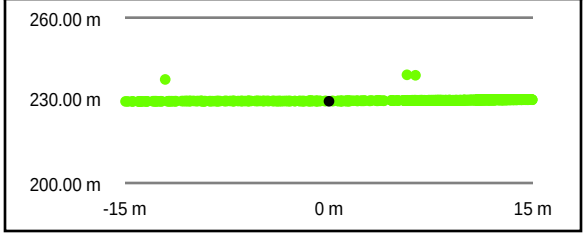
World Imagery



Southwest to Northeast



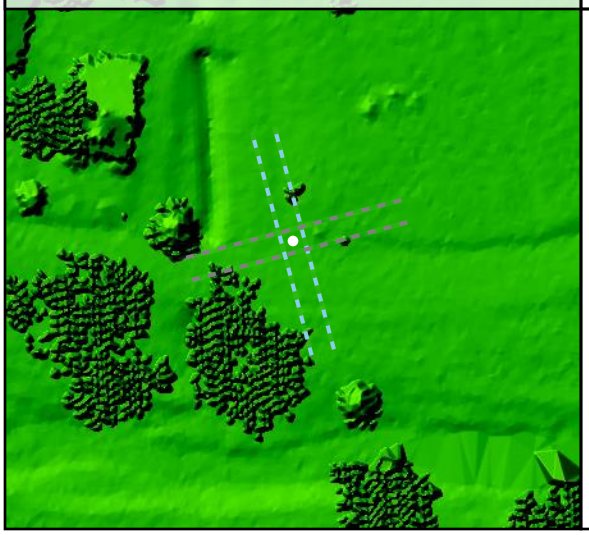
Southeast to Northwest



Intensity Raster



TIN Surface

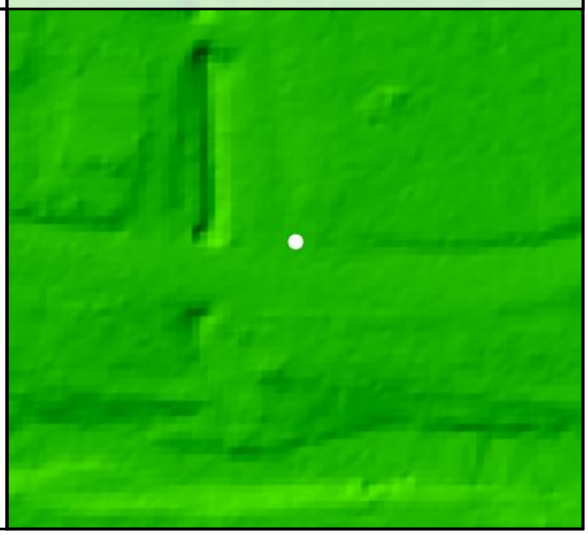


Project Elevation

716.97

103.02

DEM Surface



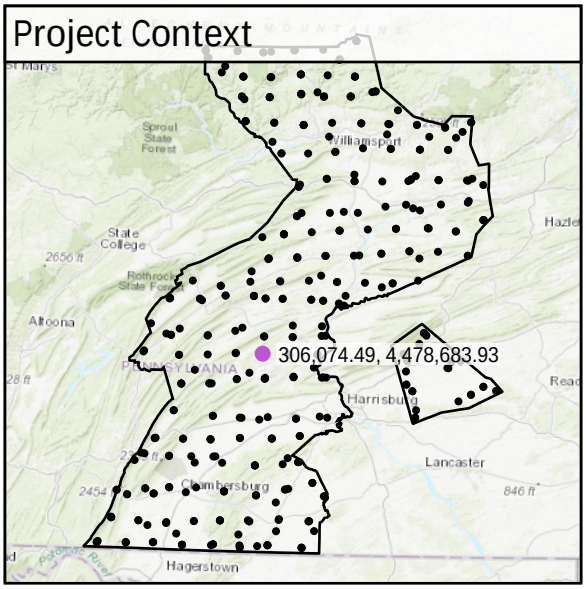
DEM Dz +0.10 m

CAL - CA092

All Points TIN Dz +0.10 m

CA093				
	Known Z	262.26 m	Point Density	5.16 ppsm
	DEM Dz	0.15 m	Ground Density	2.23 ppsm
	All Points TIN Dz	0.15 m	Slope	4.12 °

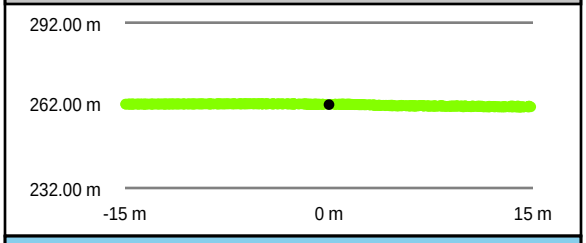
Project Context



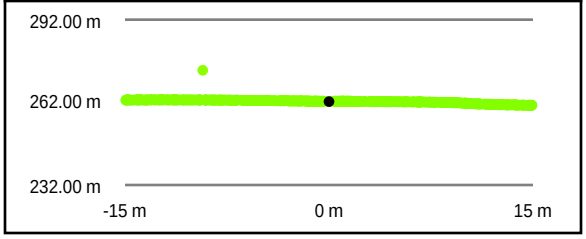
World Imagery



Southeast to Northwest



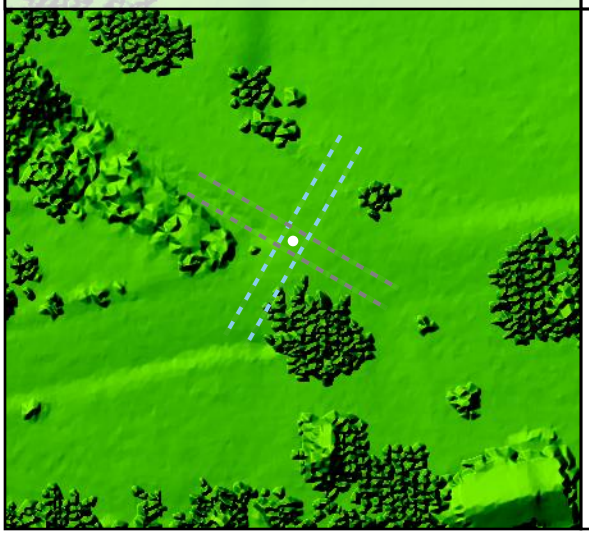
Southwest to Northeast



Intensity Raster



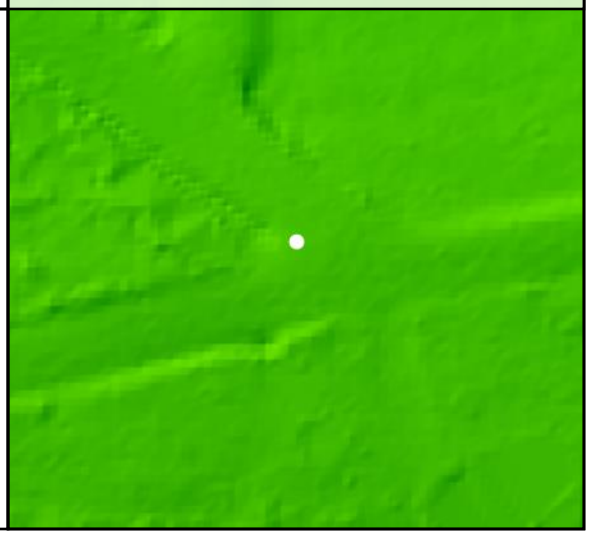
TIN Surface



Project Elevation



DEM Surface



DEM Dz +0.15 m

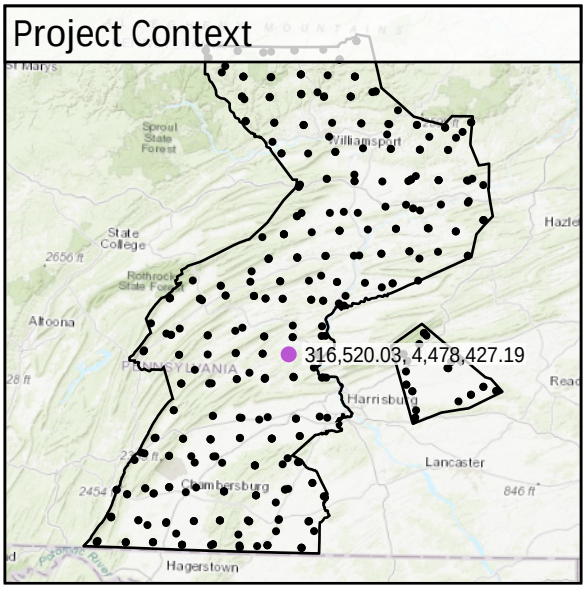
CAL - CA093

All Points TIN Dz +0.15 m

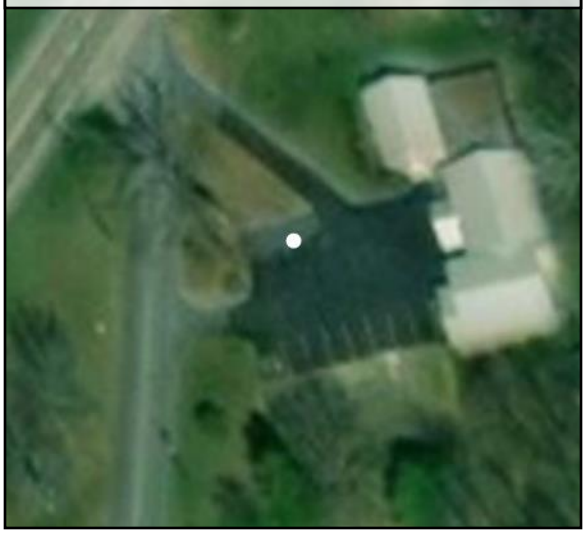
CA094

Known Z	232.80 m	Point Density	5.38 ppsm
DEM Dz	0.07 m	Ground Density	2.58 ppsm
All Points TIN Dz	0.06 m	Slope	3.88 °

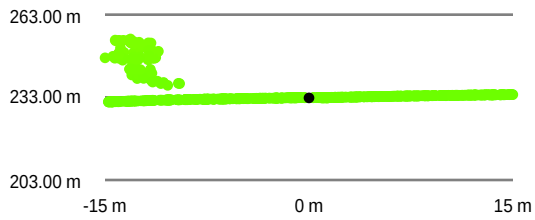
Project Context



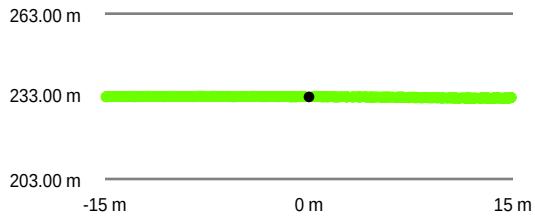
World Imagery



West to East



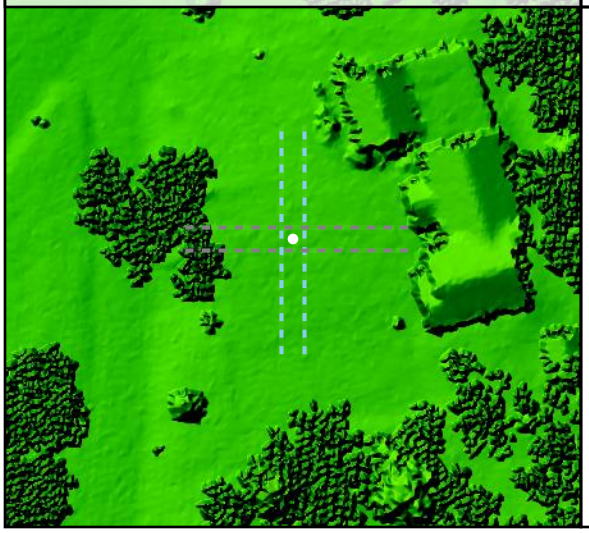
South to North



Intensity Raster



TIN Surface

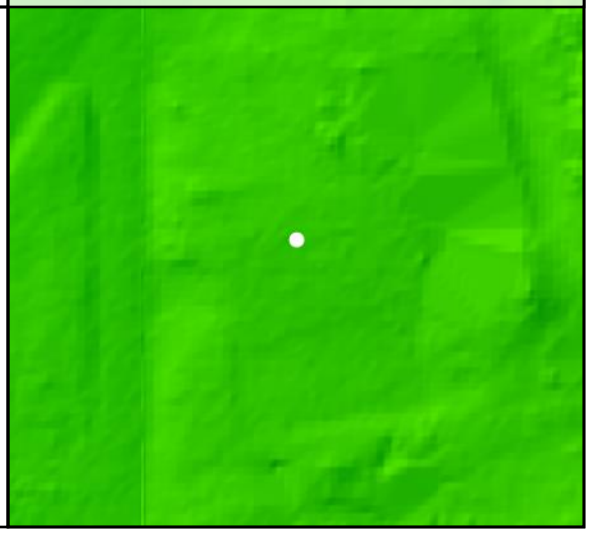


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.07 m

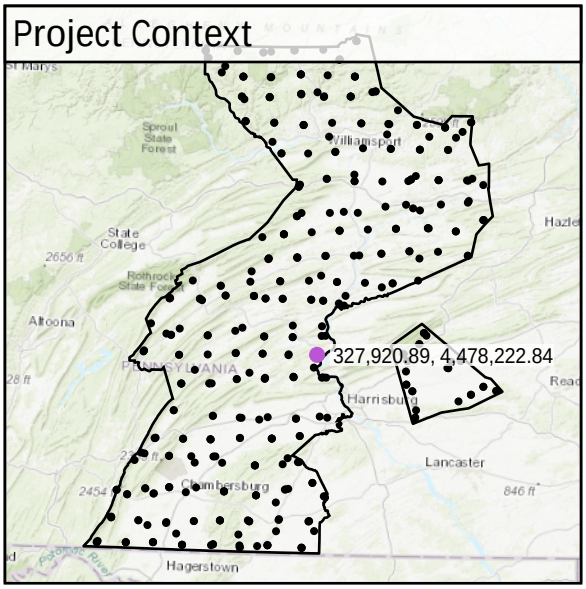
CAL - CA094

All Points TIN Dz +0.06 m

CA095

Known Z	165.84 m	Point Density	15.67 ppsm
DEM Dz	0.10 m	Ground Density	2.55 ppsm
All Points TIN Dz	0.10 m	Slope	0.31 °

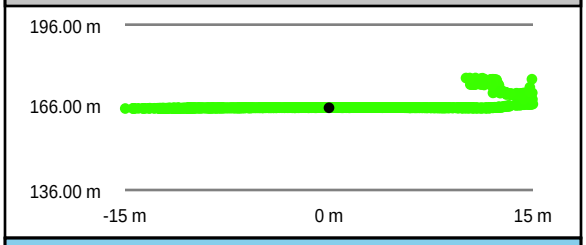
Project Context



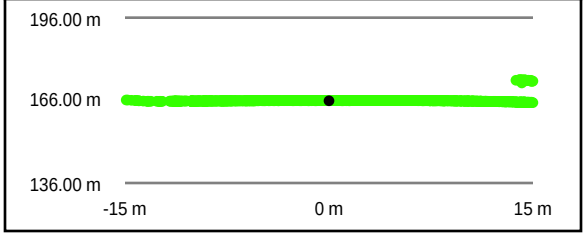
World Imagery



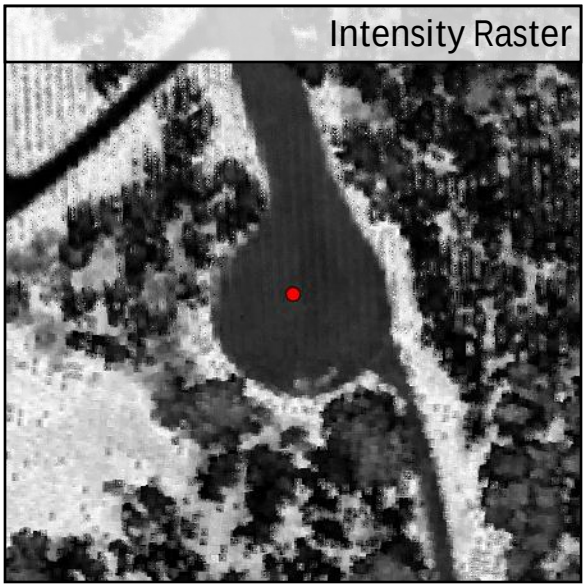
Southeast to Northwest



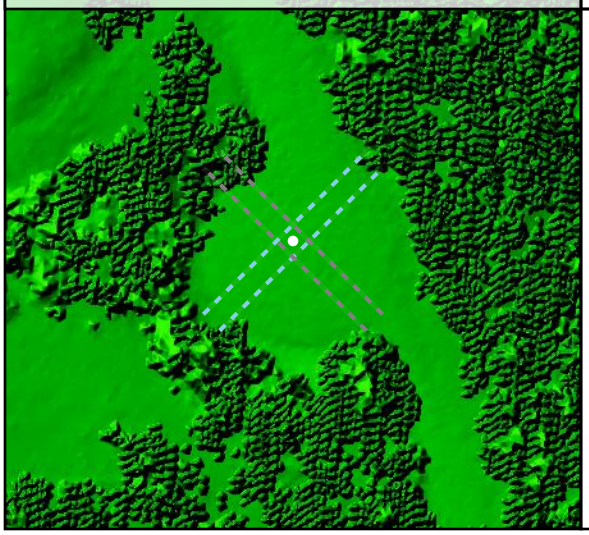
Southwest to Northeast



Intensity Raster



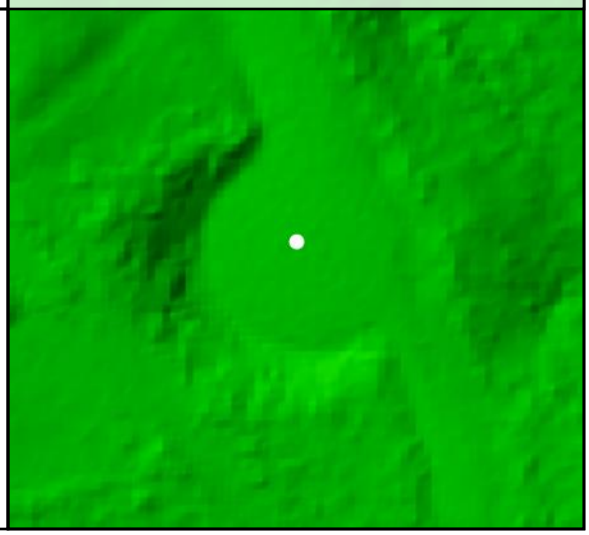
TIN Surface



Project Elevation



DEM Surface



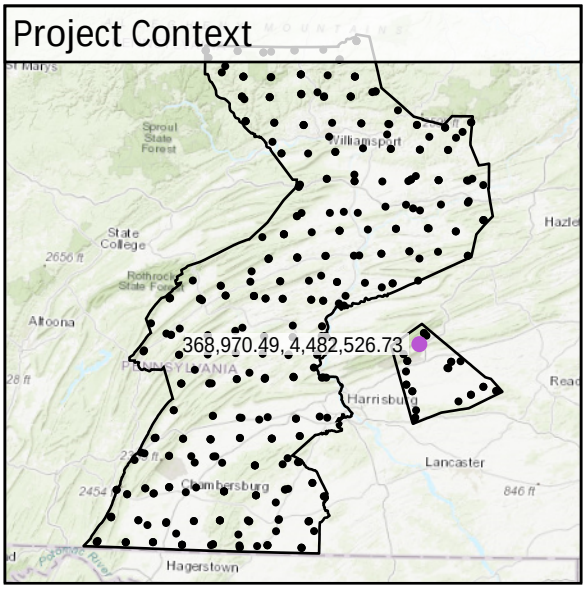
DEM Dz +0.10 m

CAL - CA095

All Points TIN Dz +0.10 m

CA096				
	Known Z	163.66 m	Point Density	5.62 ppsm
	DEM Dz	-0.01 m	Ground Density	2.76 ppsm
	All Points TIN Dz	0.00 m	Slope	0.73 °

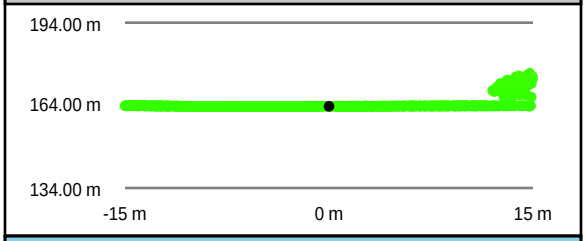
Project Context



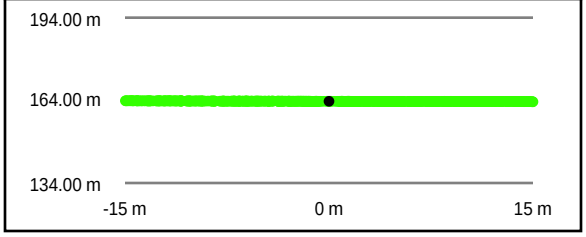
World Imagery



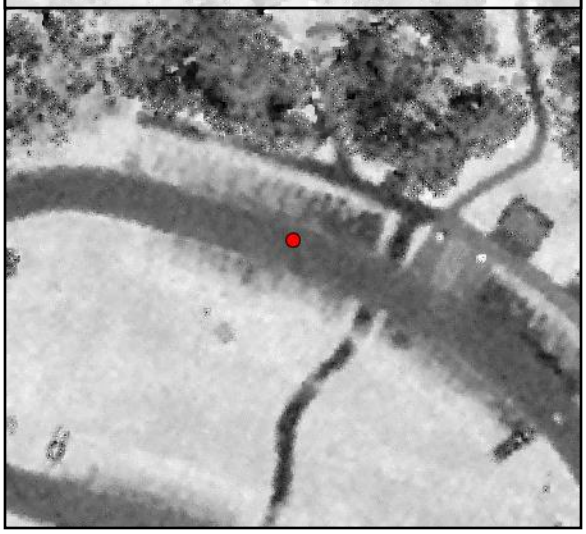
Southeast to Northwest



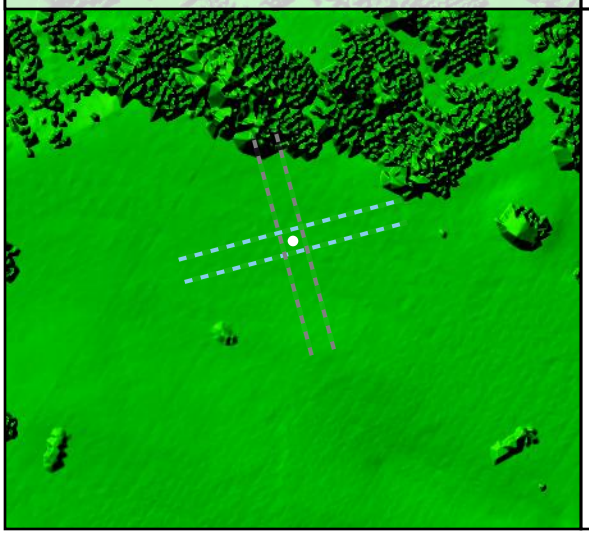
Southwest to Northeast



Intensity Raster



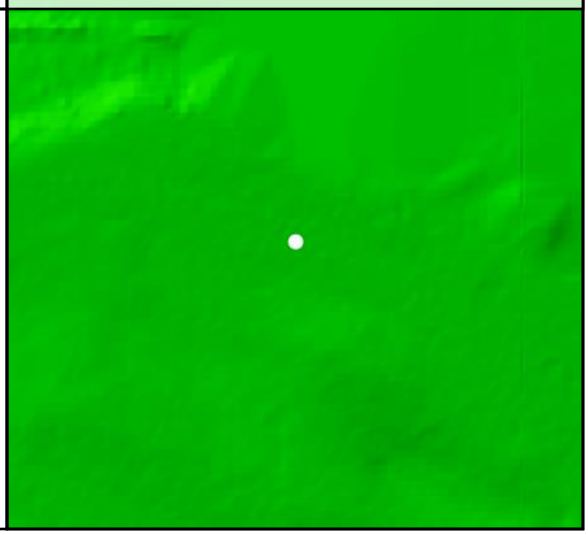
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.01 m

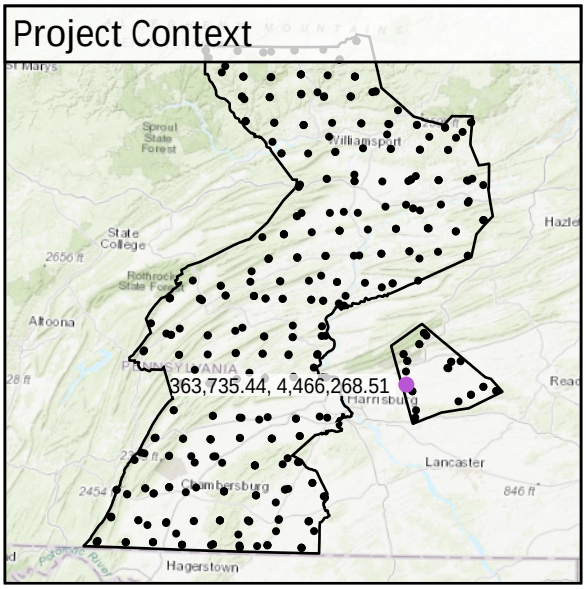
CAL - CA096

All Points TIN Dz 0.00 m

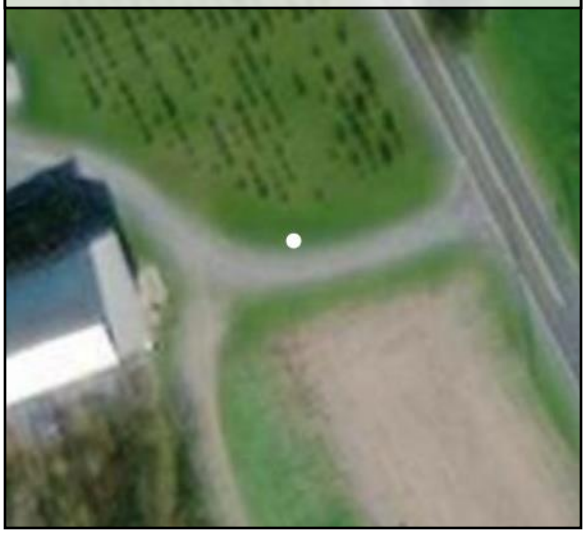
CA097

Known Z	151.75 m	Point Density	3.15 ppsm
DEM Dz	-0.02 m	Ground Density	3.15 ppsm
All Points TIN Dz	-0.02 m	Slope	1.20 °

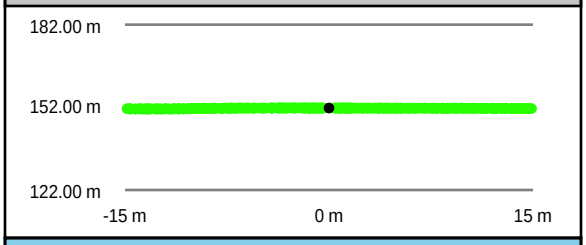
Project Context



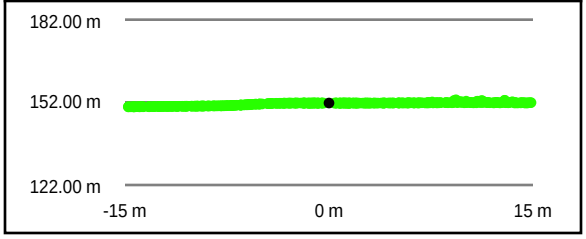
World Imagery



Southwest to Northeast



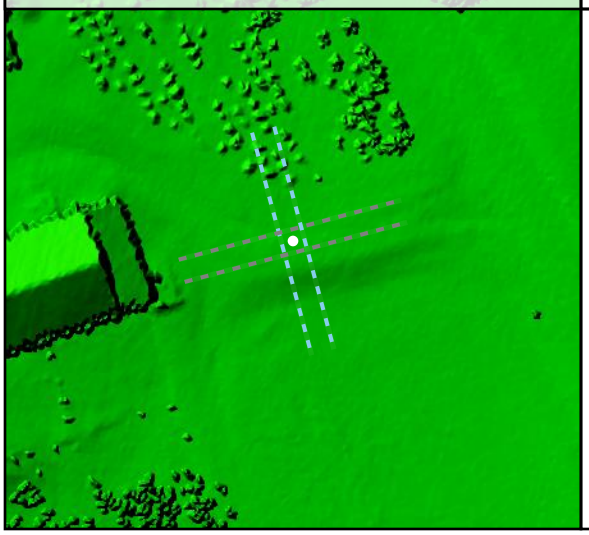
Southeast to Northwest



Intensity Raster



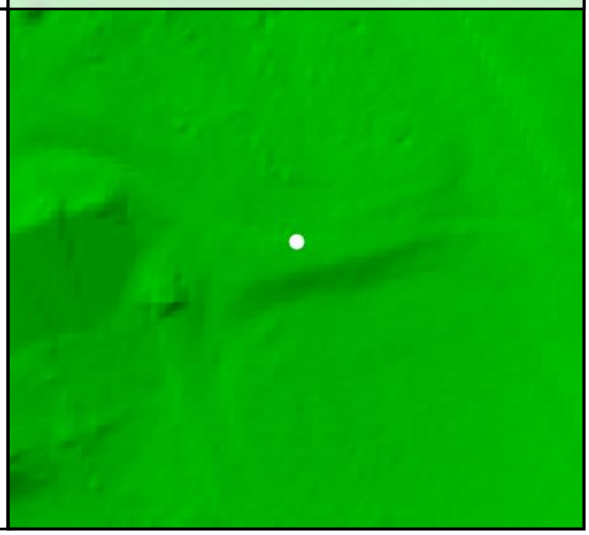
TIN Surface



Project Elevation



DEM Surface



DEM Dz -0.02 m

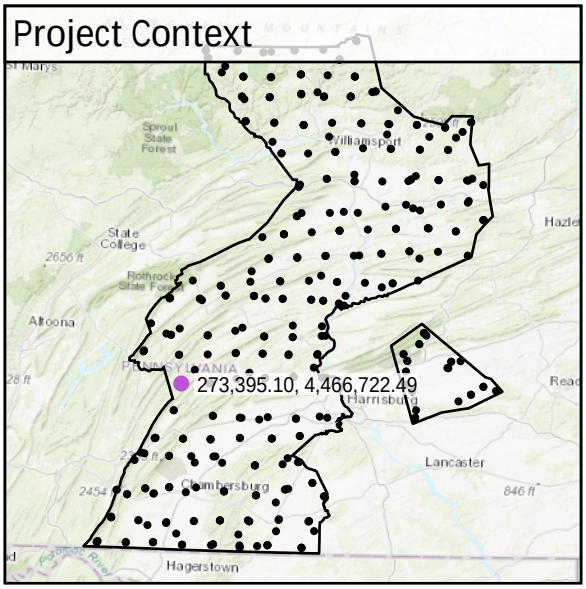
CAL - CA097

All Points TIN Dz -0.02 m

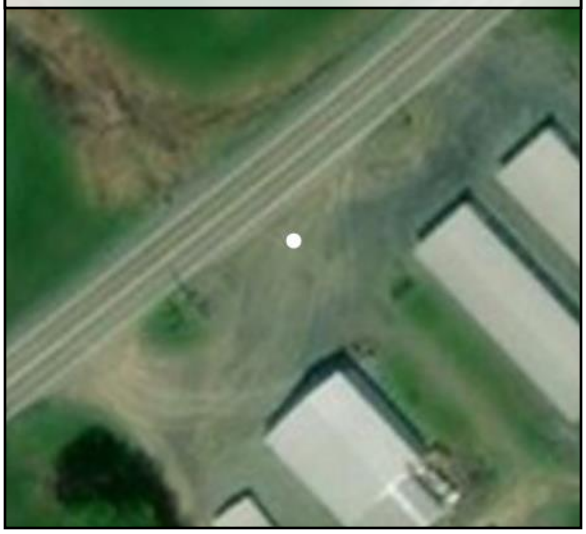
CA098

Known Z	210.62 m	Point Density	5.34 ppsm
DEM Dz	0.03 m	Ground Density	3.01 ppsm
All Points TIN Dz	0.04 m	Slope	1.89 °

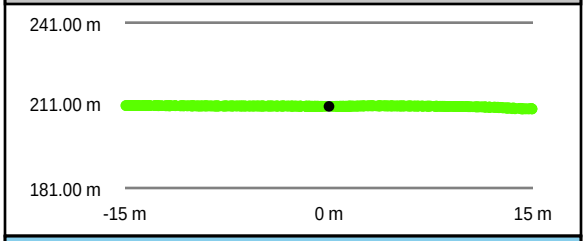
Project Context



World Imagery



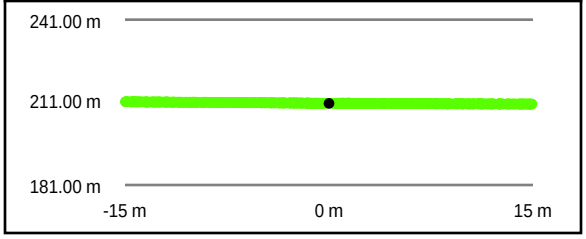
Southeast to Northwest



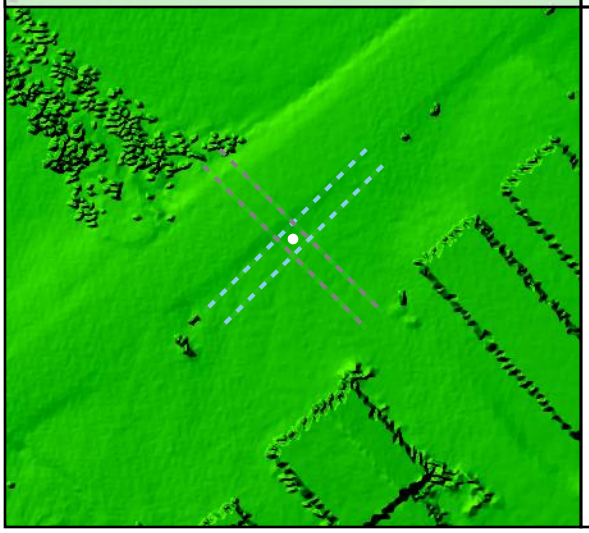
Intensity Raster



Southwest to Northeast



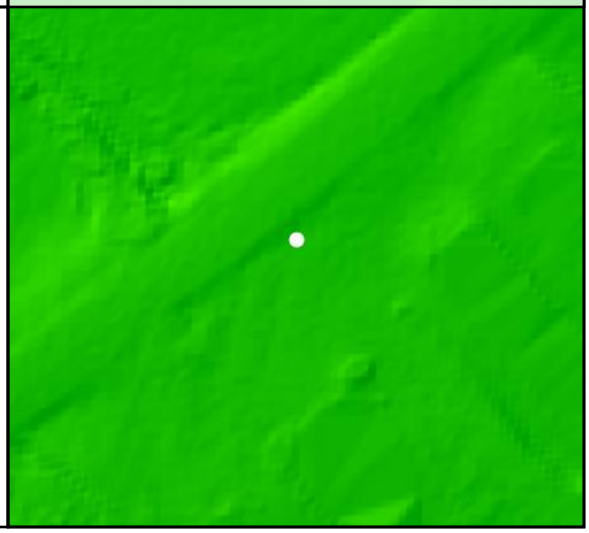
TIN Surface



Project Elevation



DEM Surface



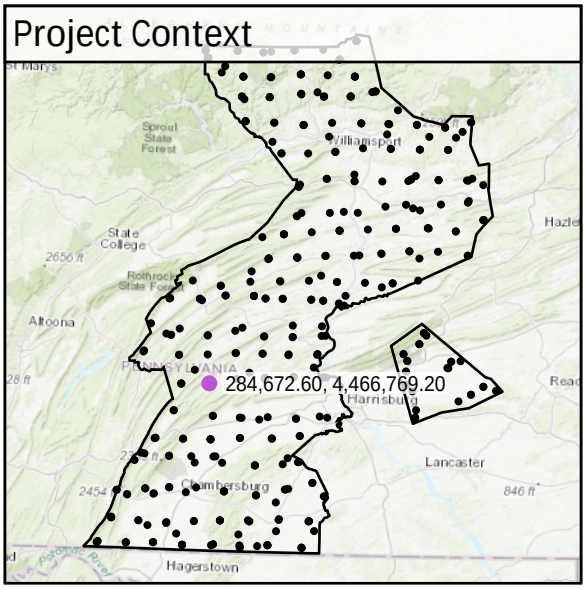
DEM Dz +0.03 m

CAL - CA098

All Points TIN Dz +0.04 m

CA099				
	Known Z	226.44 m	Point Density	5.20 ppsm
	DEM Dz	0.02 m	Ground Density	2.79 ppsm
	All Points TIN Dz	0.02 m	Slope	6.91 °

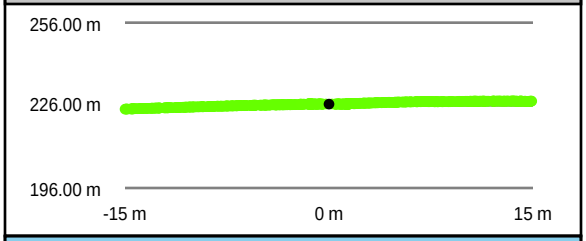
Project Context



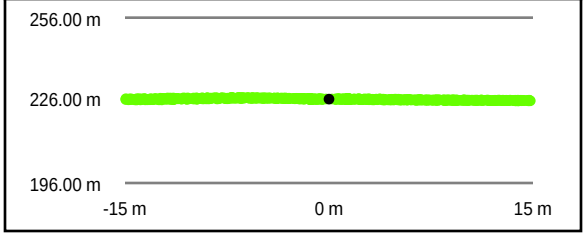
World Imagery



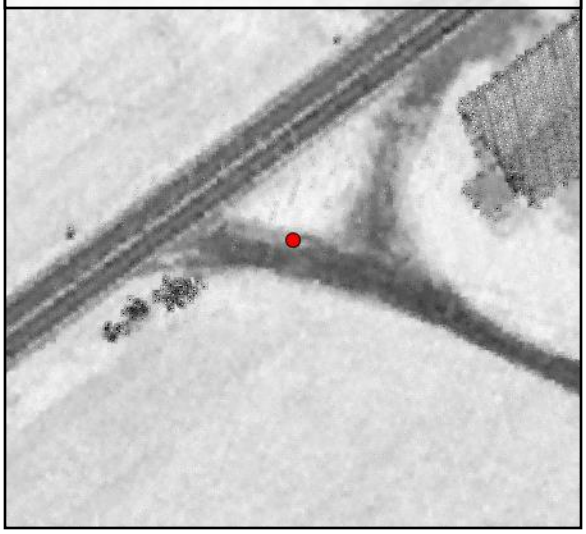
Southeast to Northwest



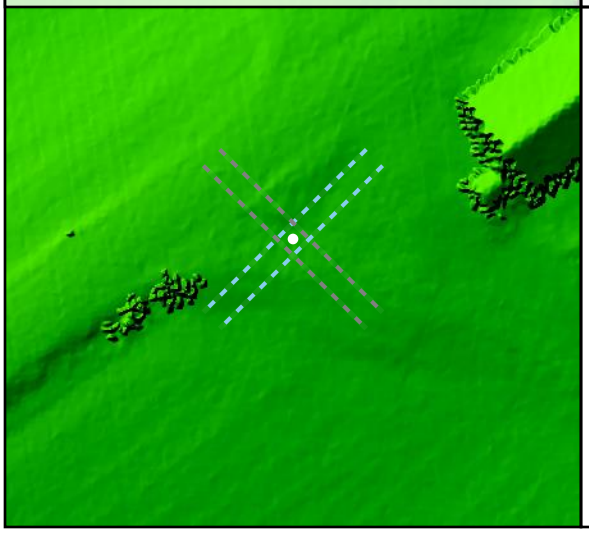
Southwest to Northeast



Intensity Raster



TIN Surface

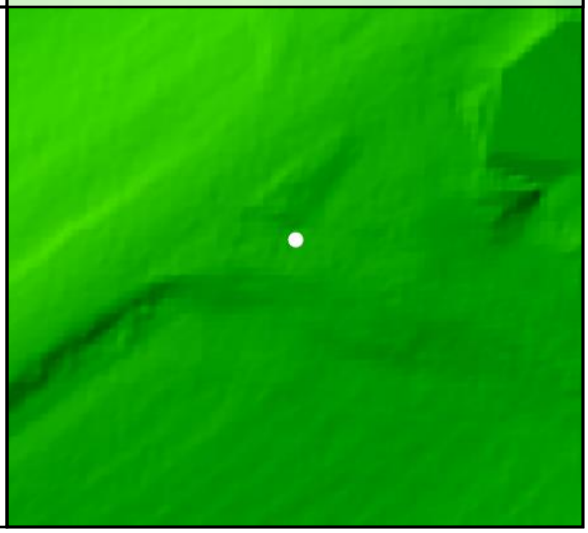


Project Elevation

716.97

103.02

DEM Surface



DEM Dz +0.02 m

CAL - CA099

All Points TIN Dz +0.02 m