

GPR equipment configurations, survey parameters, and data processing parameters used during the survey

	LARCH	2ND	SPRUCE	MARSH-225	MARSH-450	LIQ1-225	LIQ1-450	LIQ2-225	LIQ2-450
Data Collection	GPR survey system	100	100	100	1000	1000	1000	1000	1000
	Transmitter power (v)	1000	1000	1000	200	200	200	200	200
	Antenna frequency (MHz)	100	100	100	225	450	225	450	225
	Antenna separation (m)	1.00	1.00	1.00	0.50	0.25	0.50	0.25	0.5
	Time window (ns)	500	500	500	80	70	80	70	80
	Stacks	64	64	64	4	4	4	4	4
	Step size (m)	1.00	1.00	1.00	0.05	0.05	0.05	0.05	0.05
	Survey direction	S-N	W-E	S-N	E-W	E-W	N-S	N-S	E-W
	Distance (m)	293.00	335.00	690.00	72.35	73.35	10.40	10.15	10.45
Processing	Depth conversion velocity (m/s)	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
	Topographic correction	x	x	x					
	Point stacking (points/trace)	625	625	625	266	700	266	700	266

	12TH-C450	12TH-C900	12TH-R450	12TH-R900	HORN-C450	HORN-C900	HORN-R450	HORN-R900
Data Collection	GPR survey system	1000	1000	1000	1000	1000	1000	1000
	Transmitter power (v)	200	200	200	200	200	200	200
	Antenna frequency (MHz)	450	900	450	900	450	900	450
	Antenna separation (m)	0.25	0.17	0.25	0.17	0.25	0.17	0.25
	Time window (ns)	70	40	70	40	80	40	80
	Stacks	4	4	4	4	4	4	4
	Step size (m)	0.02	0.01	0.02	0.01	0.02	0.01	0.02
	Survey direction	E-W	E-W	S-N	S-N	SW-NE	SW-NE	NW-SE
	Distance (m)	25.24	25.04	25.08	25.19	18.08	18.11	35.08
Processing	Depth conversion velocity (m/s)	0.07	0.07	0.07	0.07	0.07	0.07	0.07
	Topographic correction							
	Point stacking (points/trace)	700	700	700	700	800	400	800

	PLUM-C450	PLUM-C900	PLUM-R450	PLUM-R900	KAVE-C	KAVE-R
Data Collection	GPR survey system	1000	1000	1000	1000	1000
	Transmitter power (v)	200	200	200	200	200
	Antenna frequency (MHz)	450	900	450	900	225
	Antenna separation (m)	0.25	0.17	0.25	0.17	0.50
	Time window (ns)	70	40	70	40	90
	Stacks	4	4	4	4	4
	Step size (m)	0.02	0.01	0.02	0.01	0.05
	Survey direction	W-E	W-E	N-S	N-S	N-S
Distance (m)	20.16	20.14	20.18	20.13	104.35	
Processing	Depth conversion velocity (m/s)	0.07	0.07	0.07	0.07	0.07
	Topographic correction					
	Point stacking (points/trace)	700	400	700	400	300