

Sampling Date	Sediment Sample ID	Latitude	Longitude	QA Sample Type	Lead (ug/kg)	Notes
5/15/2024	TC-3-1-S	39.00813	-120.1116			Exposed cable in Rubicon Bay. Analysis not requested.
5/15/2024	TC-3-2-S	39.00813	-120.1116			Duplicate of TC-3-1. Analysis not requested.
5/15/2024	TC-3-3-S	39.00849	-120.11031	reference		Reference east of TC-3-1 and TC-3-2 in Rubicon Bay. Requested the sample to be placed on hold. Analysis not requested.
5/15/2024	TC-3-8-S	38.96827	-120.08521	replicate	44,700	Surficial sediment collected adjacent to damaged cable to the north of mouth of Emerald Bay, in Emerald Bay SP. Replicate of TCP-6-S and TCP-7-S.
5/15/2024	TC-3-9-S	38.96827	-120.08521	duplicate	60,400	Duplicate of TC-3-8-S
5/15/2024	TC-3-10-S	38.96867	-120.08498	reference	465	Surficial sediment collected as a reference sample of bottom sediment ~200 ft east of TC-3-8 and TC-3-9.
5/15/2024	TC-3-12-S	38.96497	-120.08305		1,540	Surficial sediment collected adjacent to the northern segment of severed cable in Emerald Bay SP.
5/15/2024	TC-3-13-S	38.96497	-120.08305		1,380	Surficial sediment collected adjacent to the southern segment of severed cable in Emerald Bay SP. ~2 meters south of TC-3-12.
5/15/2024	TC-3-14-S	38.96381	-120.08188		16,300	Surficial sediment collected adjacent to the southern end of short cable in Emerald Bay SP.
5/15/2024	TC-3-15-S	38.9642	-120.07809	reference	2,750	Surficial sediment collected as a reference sample of bottom sediment at a location south of Emerald Bay in Emerald Bay SP.
5/15/2024	TC-3-15-Sb	38.9642	-120.07809	duplicate reference		Duplicate of TC-3-15. Requested the sample to be placed on hold. Analysis not requested.
5/15/2024	TC-3-16-S	38.94974	-120.0759	reference	3,380	Surficial sediment collected as a reference sample of bottom sediment near TC-7-S
5/15/2024	TC-3-17-Sa	38.94993	-120.0755	reference	1,020	Surficial sediment collected as a reference sample of bottom sediment ~25 meters east of TC-3-16
5/15/2024	TC-3-17-Sb	38.94993	-120.0755	duplicate reference	1,650	Duplicate of TC-3-17-a
5/15/2024	TC-3-18-Sa	38.94933	-120.07524	reference	694	Surficial sediment collected as a reference sample of bottom sediment ~25 meters east of TC-3-17
5/15/2024	TC-3-18-Sb	38.94933	-120.07524	duplicate reference	748	Duplicate of TC-3-18-Sa
4/22/2024	TCP-2-S	38.96379	-120.08187		4,680	Surficial sediment collected adjacent to the severed end of cable
4/22/2024	TCP-3-S	38.96127	-120.08413		1,100	Surficial sediment collected adjacent to the western-most cable in Emerald Bay.
4/22/2024	TCP-6-S	38.9682	-120.08521		8,190	Surficial sediment collected adjacent to damaged cable to the north of mouth of Emerald Bay, in Emerald Bay SP.
4/22/2024	TCP-7-S	38.9682	-120.08521	duplicate	7,220	Duplicate of TCP-6-S
4/22/2024	TCP-8-S	38.96831	-120.08512	sediment reference	385	Surficial sediment collected as a reference sample of bottom sediment ~15 meters northeast of TCP-6-S and TCP-7-S
4/22/2024	TCP-9-S	38.96494	-120.08305		1,520	Surficial sediment collected adjacent to the severed edge of the southern segment of the severed cable in middle of mouth of Emerald Bay (approx 2 meter gap in cable at this location)
4/22/2024	TCP-12-S	38.96494	-120.0826	reference	1,330	Surficial sediment collected ~30 meters east of TCP-9-S.
4/22/2024	TCP-12-2-S	38.96494	-120.0826	duplicate	1,070	Duplicate of TCP-12-S (collected at same time)

Sampling Date	Sediment Sample ID	Latitude	Longitude	QA Sample Type	Lead (ug/kg)	Notes
4/22/2024	TCP-13-S	38.96538	-120.08324	reference	1,310	Surficial sediment collected ~50 meters northwest of the gap in the short severed cable in mouth of Emerald Bay
4/22/2024	TCP-15-S	38.96482	-120.08302	reference	979	Surficial sediment collected ~15 meters south of the gap in the severed cable
4/9/2024	TC-1-S	38.95067	-120.07676		1,440	Sediment collected adjacent to segment of cable near private piers south of Emerald Bay SP.
4/9/2024	TC-5-S	38.9498	-120.07591		672	Sediment collected from adjacent to cable at a point along the cable that appeared repaired at some point and marked with a zip tie marker.
4/9/2024	TC-6-S	38.9498	-120.07591	duplicate	757	Duplicate of TC-5-S (collected at same time)
4/9/2024	TC-7-S	38.9498	-120.07575	reference	3,660	Reference sediment sample collected ~15 meters east of the location corresponding to TC-5-S, TC-6-S, and TC-11-S.
4/10/2024	TC-8-S	39.0081	-120.11059		642	Sediment collected adjacent to segment of cable where outer bituminous fiber outer coating is removed and exposing intact wound steel rods in Rubicon Bay.
4/10/2024	TC-9-S	39.0081	-120.11059	duplicate sediment	609	Duplicate of TC-8-S in Rubicon Bay (collected at same time)
4/10/2024	TC-10-S	39.00814	-120.11039	reference	458	Reference sample collected ~20 meters east of TC-8-S and TC-9-S in Rubicon Bay.
4/10/2024	TC-11-S	38.9498	-120.07591	replicate	1,120	Replicate of TC-5 and TC-6 (collected the following day). Sediment collected at an intact and potentially repaired section of cable near piers south of Emerald Bay SP.

Sampling Date	Soil Sample ID	Latitude	Longitude	QA Sample Type	Lead (ug/kg)	Notes
5/15/2024	TC-3-5-S	38.99355	-120.09442	reference	3,410	Reference sample on land. ~15 meters north of soil samples TC-3-6 and TCP-10-cable-S.
5/15/2024	TC-3-6-S	38.99352	-120.09439	replicate	381,000	Soil sample from underneath a cut end on land underneath an anchor point. Shavings also collected from lead segment. Replicate from same location as TCP-10-cable-S.
4/22/2024	TCP-4-S	38.97927	-120.09389	reference	4,250	Reference soil sample ~4 meters south TCP-5-S, at the exposed end at an on-land anchor point.
4/22/2024	TCP-5-S	38.97932	-120.094		575,000	Soil sample from underneath a cut end on land underneath an anchor point.
4/22/2024	TCP-10-CABLE-S	38.99345	-120.09436		19,600	Soil collected under cable on-shore where cable goes to junction box. Same location as TC-3-6-S though GPS coordinates slightly different.
4/22/2024	TCP-16-S	38.96488	-120.09078		11,000	Soil collected under cable on-shore at junction box where cable goes underground.
4/22/2024	TCP-17-S	38.96492	-120.0907	reference	9,450	Soil reference site ~12 meters east of TCP-16-S.

Sampling Date	Outer Cable Sample ID	Latitude	Longitude	QA Sample Type	Lead (ug/kg)	Notes
5/15/2024	TC-3-1-cable	39.00813	-120.1116	replicate		Exposed cable north of EBSP at Rubicon Bay. Replicate of TC-8-cable. Analysis not requested.
5/15/2024	TC-3-8-cable	38.96827	-120.08521		9,030	Segment of outer bituminous fiber coating at the exposed cable north of EBSP
5/15/2024	TC-3-9-cable	38.96827	-120.08521	duplicate	3,690	Duplicate of TC-3-8-CABLE
5/15/2024	TC-3-12-cable	38.96497	-120.08305		16,500	Segment of outer bituminous fiber coating underwater at the north side of severed short cable near mouth of Emerald Bay.
5/15/2024	TC-3-13-cable	38.96497	-120.08305		23,200	Segment of outer bituminous fiber coating underwater at the south side of severed chort cable near the mouth of Emerald Bay. ~2 meters south of TC-3-12.
5/15/2024	TC-3-14-cable	38.96381	-120.08188		3,190,000	Segment of outer bituminous fiber coating underwater at the southern end of short cable near mouth of Emerald Bay.
4/10/2024	TC-8-cable	39.0081	-120.11059		2,370	Segment of outer bituminous fiber coating is partially removed and exposing wound metal rods at Rubicon Bay.

Sampling Date	Biofilm Sample ID	Latitude	Longitude	QA Sample Type	Lead (ug/kg)	Notes
5/15/2024	TC-3-1-B	39.00813	-120.1116			Surficial biofilm collected from exposed cable north of EBSP at Rubicon Bay. Not analyzed.
5/15/2024	TC-3-2-B	39.00813	-120.1116			Duplicate of TC-3-1. Held by the lab. Not analyzed.
5/15/2024	TC-3-4-B	38.9992	-120.09537	reference	254	Surficial biofilm reference. Collected from the surface of a submerged boulder at Rubicon Point ~15 m from the submerged cable.
5/15/2024	TC-3-7-B	38.9935	-120.0944		335,000	Biofilm from submerged cable as extended into the water from the location and associated cable at TC-3-6-S (soil sample under cable on land). Sample was collected ~15m offshore from TC-3-6-S.
5/15/2024	TC-3-8-B	38.96827	-120.08521		17,200,000	Biofilm collected from long cable north of Emerald Bay at a location adjacent to a damaged section of cable.
5/15/2024	TC-3-9-B	38.96827	-120.08521		3,870,000	Duplicate of TC-3-8-B
5/15/2024	TC-3-12-B	38.96497	-120.08305		29,900	Surficial biofilm collected from the cable at a point north of a severed segment near mouth of Emerald Bay.
5/15/2024	TC-3-13-B	38.96497	-120.08305		11,600	Surficial biofilm collected from the short cable at a point south of a severed segment in Emerald Bay. ~2 meters south of TC-3-12.
5/15/2024	TC-3-14-B	38.96381	-120.08188	replicate	106,000	Surficial biofilm collected from the cable at a point north of the southern end of cable in EBSP. Replicate sample of TCP-2-B.
4/22/2024	TCP-2-B	38.96379	-120.08187		602,000	Surficial biofilm collected from the cable at a point north of the southern end of cable in EBSP.
4/22/2024	TCP-3-B	38.96127	-120.08413		1,060	Sediment from below western-most cable in Emerald Bay.
4/22/2024	TCP-6-B	38.9682	-120.08521		1,400,000	sediment from below damaged cable to the north of Emerald Bay
4/22/2024	TCP-7-B	38.9682	-120.08521	duplicate	2,340,000	Duplicate of TCP-6-B (collected at same time).
4/22/2024	TCP-9-B	38.96494	-120.08305		70,100	Southern side of the severed cable in middle near mouth of Emerald Bay (approx 2 meter gap in cable at this location)
4/22/2024	TCP-11-B	38.96498	-120.083		69,900	water and biofilm collected at the northern side of the severed cable segment in middle near mouth of Emerald Bay
4/9/2024	TC-1-B	38.95067	-120.07676		1,180	sample from disturbed segment of cable near private piers
4/9/2024	TC-5-B	38.9498	-120.07591		1,200	Surficial biofilm collected from a point along the cable that appeared repaired at some point with a zip tie marker.
4/9/2024	TC-6-B	38.9498	-120.07591		1,040	Duplicate of TC-5-S (collected at same time).
4/10/2024	TC-8-B	39.0081	-120.11059		1,950	Segment of cable where outer bituminous fiber outer coating is removed and exposing steel rods.
4/10/2024	TC-9-B	39.0081	-120.11059	duplicate	1,660	Duplicate of TC-8-B.
4/10/2024	TC-11-B	38.9498	-120.07591	replicate	1,180	Replicate of TC-5 and TC-6 at a repaired section of cable (collected the following day). Surficial biofilm collected at an intact and potentially repaired section of cable near piers south of Emerald Bay SP.

Sampling Date	Water Sample ID	Latitude	Longitude	QA Sample Type	Total Lead (ug/L)	Dissolved Lead (ug/L)	Hardness result (mg/L)	Qualifiers	Notes
5/15/2024	TC-3-1-W	39.00813	-120.1116						Exposed cable north of EBSP at Rubicon Bay. Not analyzed.
5/15/2024	TC-3-2-W	39.00813	-120.1116						Duplicate of TC-3-1. Not analyzed.
5/15/2024	TC-3-3-W	39.00849	-120.11031						Reference east of TC-3-1 and TC-3-2 in Rubicon Bay. Not analyzed.
5/15/2024	TC-3-8-W	38.96827	-120.08521		2,500.00	159.00	40		Exposed cable north of Emerald Bay.
5/15/2024	TC-3-9-W	38.96827	-120.08521	field duplicate	1,580.00	86.00	40		Duplicate of TC-3-8-W
5/15/2024	TC-3-10-W	38.96867	-120.08498	reference	4.20	0.00	32		Reference site ~200 ft east of TC-3-8 and TC-3-9. Note TC-3-11-W was not collected.
5/15/2024	TC-3-12-W	38.96497	-120.08305		8.10	0.00	38		North side of severed short cable in EBSP
5/15/2024	TC-3-13-W	38.96497	-120.08305		3.30	0.74	28		South side of severed short cable near mouth of Emerald Bay. ~2 meters south of TC-3-12.
5/15/2024	TC-3-14-W	38.96381	-120.08188		14.00	0.00	52	Dissolved lead: J0.16	southern end of short cable in EBSP. Dissolved lead recorded as 0
5/15/2024	TC-3-15-W	38.9642	-120.07809	reference	0.63	0.00	32	Dissolved lead: J0.079	reference site south of EBSP. Dissolved lead recorded as 0.
5/15/2024	TC-3-15-Wb	38.9642	-120.07809						Reference site south of EBSP - duplicate of TC-3-15. Not analyzed.
5/15/2024	TC-3-16-W	38.94974	-120.0759	reference	0.00	0.00	28		Reference station near TC-7 (from early April)
5/15/2024	TC-3-17-Wa	38.94993	-120.0755	reference	0.00	0.00	30	Total lead: J0.14	Reference station east of TC-3-16. Total lead recorded as 0.
5/15/2024	TC-3-17-Wb	38.94993	-120.0755	reference duplic	0.39	0.00	28	Dissolved lead: J0.082	Duplicate of TC-3-17-a. Total lead recorded as 0
5/15/2024	TC-3-18-Wa	38.94933	-120.07524	reference	0.93	0.26	30		Reference station east of TC-3-17-Wa and TC-3-17-Wb
5/15/2024	TC-3-18-Wb	38.94933	-120.07524	reference duplic	3.90	1.60	28		Duplicate of TC-3-18-Wa
5/15/2024	TC-3-19-W	38.94915	-120.05555	field equipment	0.00	0.00	0		field equipment blank - syringe blank
5/15/2024	TC-3-20-W	38.94915	-120.05555	field equipment	0.00	0.00	0		field equipment blank - bottles only
4/22/2024	TCP-1-W	38.9644	-120.08173		0.00	0.00	0		Field equipment blank - syringe blank performed on boat.
4/22/2024	TCP-2-W	38.96379	-120.08187		7.60	0.00	26		collected within 2 cm of the southernmost severed end of short cable
4/22/2024	TCP-3-W	38.96127	-120.08413		3.90	0.00	26		collected within 2 cm of the western-most cable in Emerald Bay
4/22/2024	TCP-6-W	38.9682	-120.08521		783.00	10.00	40		collected within 2 cm of the damaged cable to the north of Emerald Bay
4/22/2024	TCP-7-W	38.9682	-120.08521		295.00	28.00	40		replicate of TCP-6-W
4/22/2024	TCP-8-W	38.96831	-120.08512	reference	0.00	0.00	30	Total lead: J0.14	Reference sample collected near bottom sediment and ~15 meters northeast of TCP-6-W and TCP-7-W. Total lead marked as 0.

Sampling Date	Water Sample ID	Latitude	Longitude	QA Sample Type	Total Lead (ug/L)	Dissolved Lead (ug/L)	Hardness result (mg/L)	Qualifiers	Notes
4/22/2024	TCP-9-W	38.96498	-120.083		5.20	0.47	28		Southern side of the severed short cable near mouth of Emerald Bay (approx 2 meter gap in cable at this location)
4/22/2024	TCP-11-W	38.96498	-120.083		137.00	36.00	26		Water and biofilm collected at the northern side of the severed short cable segment near mouth of Emerald Bay.
4/22/2024	TCP-12-W	38.96494	-120.0826	reference	0.92	0.36	30		~30 meters east of TCP-11-W.
4/22/2024	TCP-12-2-W	38.96494	-120.0826	reference	0.86	0.00	24	Dissolved lead: J0.18	replicate of TCP-12-W; dissolved lead recorded as 0
4/22/2024	TCP-13-W	38.96538	-120.08324	reference	0.26	1.20	28		~50 meters northwest of the gap in the severed cable
4/22/2024	TCP-14-W			reference	0.00	0.00	28	Total lead: J0.22	dissolved lead marked as 0
4/22/2024	TCP-15-W	38.96482	-120.08302	reference	0.31	0.00	26	Dissolved lead: J0.13	~15 meters south of the gap in the severed short cable. Dissolved lead marked as 0.
4/22/2024	TCP-18-W	38.96568	-120.08091	field equipment	0.00	0.00	0	hardness: J2.0	Field equipment blank - syringe blank. Blank water transferred to bottle on the boat. Hardness marked as 0
4/22/2024	TCP-19-W	38.96568	-120.08091	field equipment	0.00	0.00	0	hardness: J2.0	Field equipment blank - bottles only. Blank water transferred to bottle on the boat. Hardness marked as 0.
4/9/2024	TC-1-W	38.95069	-120.07676		0.74	0.00	50		
4/9/2024	TC-2-W	38.95069	-120.07676	field equipment	0.00	-	0		Field equipment blank - purified water into bottles only
4/9/2024	TC-4-W	38.95067	-120.07677	field equipment	0.00	-	0		Field equipment blank - syringes fed with purified water and plunged into sampling bottle
4/9/2024	TC-5-W	38.9498	-120.076		0.00	0.00	30		Taken from a point along the cable that appeared repaired at some point with a zip tie marker.
4/9/2024	TC-6-W	38.9498	-120.076	field duplicate	0.37	0.00	32		Duplicate of TC-5-W.
4/9/2024	TC-7-W	38.9498	-120.07575	reference	0.00	0.00	30		Reference sample of sediment collected ~15 meters east of the location corresponding to TC-5-S, TC-6-S, and TC-11-S.
4/10/2024	TC-8-W	39.0081	-120.11059		2.00	0.00	38		Segment of cable where outer bituminous fiber outer coating is removed and exposing metal sheath.
4/10/2024	TC-9-W	39.0081	-120.11059	field duplicate	5.40	0.00	64		Duplicate of TC-8-W
4/10/2024	TC-10-W	39.00814	-120.11039	reference	0.00	0.00	32		Reference sample collected ~20 meters east of TC-8-S and TC-9-S
4/10/2024	TC-12-W	38.94993	-120.07186	reference	0.00	-	0		Field equipment blank - purified water into bottles only

Note: ND marked as 0

	A	B	C	D	E	F	G	H
1	Sampling Date	Biota Sample ID	Type	Latitude	Longitude	Total Lead (ug/kg)	Qualifiers	Notes
2	4/9/2024	TC5-CRAW-1	crawfish	38.9498	-120.07591	ND		Crawfish collected adjacent to cable at a point along the long cable south of EBSP that appeared repaired at some point and marked with a zip tie marker.
3	4/9/2024	TC5-CRAW-2	crawfish	38.9498	-120.07591	ND		Crawfish collected adjacent to cable at a point along the long cable south of EBSP that appeared repaired at some point and marked with a zip tie marker.
4	4/9/2024	TC5-CRAW-3	crawfish	38.9498	-120.07591	100		Crawfish collected adjacent to cable at a point along the long cable south of EBSP that appeared repaired at some point and marked with a zip tie marker.
5	4/9/2024	TC5-CRAW-3-E	crawfish eggs	38.9498	-120.07591	ND		Crawfish collected adjacent to cable at a point along the long cable south of EBSP that appeared repaired at some point and marked with a zip tie marker. Eggs dissected in UNR lab for analysis.
6	4/9/2024	TC5-CRAW-4	crawfish	38.9498	-120.07591	ND		Crawfish collected adjacent to cable at a point along the long cable south of EBSP that appeared repaired at some point and marked with a zip tie marker.
7	4/22/2024	TCP-2-BIOTA-1	crawfish	38.96379	-120.08187	J41	J41	Surficial sediment collected adjacent to the severed southern end of the short cable
8	4/22/2024	TCP-6-BIOTA-1	juvenile crawfish	38.9682	-120.08521	ND		Biota collected from the surface of sediment within 6 inches of the long cable and in proximity to a severed segment of cable to the northwest of Emerald Bay, in Emerald Bay SP.
9	4/22/2024	TCP-6-BIOTA-2	crawfish	38.9682	-120.08521	ND		Biota collected from the surface of sediment within 6 inches of the long cable and in proximity to a severed segment of cable to the northwest of Emerald Bay, in Emerald Bay SP.
10	4/22/2024	TCP-6-BIOTA-3	crawfish	38.9682	-120.08521	ND		Biota collected from the surface of sediment within 6 inches of the long cable and in proximity to a severed segment of cable to the northwest of Emerald Bay, in Emerald Bay SP.
11	4/22/2024	TCP-9-BIOTA-1	crawfish	38.96494	-120.08305	ND		Biota collected from the sediment surface, within 6 inches of a segment of the short cable to the north of a severed gap in the cable (approx 2 meter gap in cable at this location)
12	4/22/2024	TCP-9-BIOTA-2	crawfish	38.96494	-120.08305	ND		Biota collected from the sediment surface, within 6 inches of a segment of the short cable to the north of a severed gap in the cable (approx 2 meter gap in cable at this location)
13	4/22/2024	TCP-9-BIOTA-3	clam	38.96494	-120.08305	ND		Biota collected from the sediment surface, within 6 inches of a segment of the short cable to the north of a severed gap in the cable (approx 2 meter gap in cable at this location)
14	4/22/2024	TCP-9-BIOTA-4	clam	38.96494	-120.08305	251		Biota collected from the sediment surface, within 6 inches of a segment of the short cable to the north of a severed gap in the cable (approx 2 meter gap in cable at this location)
15	4/22/2024	TCP-9-BIOTA-5	clam	38.96494	-120.08305	J311	J311	Biota collected from the sediment surface, within 6 inches of a segment of the short cable to the north of a severed gap in the cable (approx 2 meter gap in cable at this location)
16	4/22/2024	TCP-9-BIOTA-6	clam	38.96494	-120.08305	ND		Biota collected from the sediment surface, within 6 inches of a segment of the short cable to the north of a severed gap in the cable (approx 2 meter gap in cable at this location)
17	4/22/2024	TCP-9-BIOTA-7	clam	38.96494	-120.08305	ND		Biota collected from the sediment surface, within 6 inches of a segment of the short cable to the north of a severed gap in the cable (approx 2 meter gap in cable at this location)
18	4/22/2024	TCP-11-BIOTA-	juvenile crawfish	38.96498	-120.083	ND		Biota collected from the sediment surface, within 6 inches of a segment of the short cable to the south of a severed gap in the cable (approx 2 meter gap in cable at this location)
19	4/22/2024	TCP-11-BIOTA-	clam	38.96498	-120.083	ND		Biota collected from the sediment surface, within 6 inches of a segment of the short cable to the south of a severed gap in the cable (approx 2 meter gap in cable at this location)

	A	B	C	D	E	F	G	H
20	4/22/2024	TCP-11-BIOTA-	clam	38.96498	-120.083	ND		Biota collected from the sediment surface, within 6 inches of a segment of the short cable to the south of a severed gap in the cable (approx 2 meter gap in cable at this location)
21	4/22/2024	TCP-11-BIOTA-	clam	38.96498	-120.083	ND		Biota collected from the sediment surface, within 6 inches of a segment of the short cable to the south of a severed gap in the cable (approx 2 meter gap in cable at this location)