TABLE S12. Transect sites water and habitat characteristics. The results are grouped by lake.

	Sampling_ID	Temperature (°C)	Conductivity (µS/cm)	Dissolved oxygen (%)	Turbidity (NTU)	pH	TOC (mg/L)	TN (mg/L)	TP (mg/L)	Trunk	Silt (%)	Sand (%)	Rock (%)	Boulder (%)	Macrophyte (%)	Mean depth (cm)
Achigan	ACHI_T_01	25.2	56.6	8.37	0.06	7.25	4.75	232.49	4.3049	15	0.0	5.0	74.8	20.2	3.8	118.5
	ACHI_T_02	24.3	55.2	8.55	0.38	7.38	4.67	259.85	6.2188	13	4.0	1.5	83.5	11.0	1.4	79.0
	ACHI_T_03	24.5	55.7	8.66	0.17	7.56	4.75	299.75	5.8841	26	28.7	0.0	20.8	49.5	6.9	115.0
	ACHI_T_04	24.5	55.6	8.67	0.18	7.38	4.67	238.19	5.4528	9	0.0	0.0	67.0	33.0	0.2	147.0
	ACHI_T_05	23.6	56.1	8.78	0.24	6.83	4.78	242.75	6.6700	1	9.0	43.8	45.6	1.6	36.7	37.5
	ACHI_T_06	24.3	55.9	8.60	0.16	6.98	4.83	240.47	4.7597	12	0.0	11.5	72.8	15.7	2.2	66.0
Beaver	BEAV_T_01	23.0	26.0	8.87	1.78	6.60	9.15	487.85	18.4269	NA	NA	NA	NA	NA	NA	NA
	BEAV_T_02	22.7	26.0	8.82	1.88	6.77	9.17	499.25	19.4058	NA	NA	NA	NA	NA	NA	NA
Coeur	COEU_T_03	23.0	53.4	8.26	0.20	7.13	5.60	331.67	7.3317	9	33.9	0.0	20.5	45.6	9.0	80.0
	COEU_T_04	22.8	53.2	8.26	0.28	6.78	5.64	341.93	6.9554	79	57.0	0.0	15.9	27.1	10.6	108.0
	COEU_T_01	23.6	53.8	8.37	0.29	7.38	5.75	419.45	9.5510	80	43.0	0.0	27.5	29.5	2.3	187.5
	COEU_T_02	23.3	53.5	8.38	0.33	7.25	5.63	370.43	8.4576	16	36.5	0.0	29.8	33.7	22.0	62.5
Cornu	CORN_T_01	22.6	147.8	8.69	0.74	7.33	3.97	324.83	6.9125	380	62.0	0.0	1.0	37.0	0.0	370.0
	CORN_T_02	22.5	149.6	8.00	0.41	6.87	4.05	292.91	7.6265	45	100.0	0.0	0.0	0.0	25.0	39.5
	CORN_T_03	22.6	152.3	8.10	1.34	6.77	4.05	374.99	13.9793	11	97.4	0.0	0.0	2.6	75.5	44.5
	CORN_T_04	22.6	147.8	9.10	0.13	7.61	4.13	357.89	8.7511	18	18.0	0.0	65.5	16.5	14.9	45.0
Corriveau	CORR_T_01	20.3	19.1	8.06	0.49	5.76	8.42	400.07	12.4658	108	77.5	0.0	14.0	8.5	35.0	107.0
	CORR_T_02	21.0	19.1	8.27	0.39	6.10	8.25	394.37	14.9332	33	57.5	6.0	12.0	24.5	27.5	89.5
Croche	CROC_T_01	21.3	14.2	7.84	0.38	6.09	6.36	332.81	7.0791	52	100.0	0.0	0.0	0.0	39.5	73.5
	CROC_T_04	21.9	14.3	8.20	0.19	5.89	5.39	260.99	8.0571	171	97.5	0.0	1.0	1.5	10.1	97.0
	CROC_T_06	21.6	14.2	7.71	0.24	6.05	6.30	298.61	8.8069	73	50.5	0.0	46.1	2.9	3.3	94.0
Cromwell	CROM_T_02	19.7	19.2	6.66	0.91	5.72	7.87	381.83	11.5249	79	80.0	0.0	6.0	27.0	56.0	76.0
	CROM_T_03	19.6	19.6	4.56	0.56	5.76	7.57	341.93	11.8224	27	71.0	0.0	14.0	15.0	61.5	84.5
	CROM_T_04	19.8	19.6	5.45	0.49	5.89	7.81	361.31	10.7160	53	89.8	0.0	5.8	4.4	69.0	117.0
Echo	ECHO_T_05	24.6	166.3	10.18	1.56	8.25	5.67	520.91	13.1379	10	84.0	0.0	7.0	9.0	58.5	52.0
	ECHO_T_01	23.5	174.3	9.84	1.80	8.00	5.58	492.41	13.4672	45	87.0	0.0	5.8	7.2	53.5	50.5
	ECHO_T_02	25.0	171.0	10.07	3.50	8.17	5.75	511.79	15.8648	27	59.5	19.0	10.5	10.5	49.0	39.5
	ECHO_T_03	23.4	159.9	9.77	1.54	8.15	5.65	519.77	15.7477	21	0.0	13.0	85.0	2.0	1.1	41.3
	ECHO_T_04	23.3	159.6	9.71	2.12	7.96	5.72	593.87	19.3587	17	75.0	0.0	19.5	5.5	11.5	51.0
Fournelle	FOUR_T_01	24.9	62.5	8.44	0.76	6.68	5.41	311.15	9.0404	41	96.9	0.0	3.0	0.1	31.5	82.0
	FOUR_T_02	24.5	60.7	8.94	1.58	7.38	5.42	328.25	10.2989	26	95.4	0.0	1.2	3.2	9.6	125.5
	FOUR_T_03	24.6	60.7	8.78	1.33	7.61	5.37	308.87	7.4852	57	100.0	0.0	0.0	0.0	8.5	61.5
Montaubois	MONT_T_01	22.6	60.9	8.26	0.03	6.44	3.88	303.17	6.1110	NA	NA	NA	NA	NA	NA	NA
	MONT_T_02	23.2	61.5	8.01	0.08	6.52	3.67	239.33	5.5773	NA	NA	NA	NA	NA	NA	NA
	MONT_T_03	22.8	61.7	8.17	0.02	6.64	3.70	265.55	5.0967	NA	NA	NA	NA	NA	NA	NA
Morency	MORE_T_03	23.2	128.6	9.29	0.42	8.17	4.25	355.61	8.4191	83	24.5	0.0	35.5	40.5	13.5	129.0
	MORE_T_04	22.3	126.1	9.52	0.43	8.28	4.30	355.61	6.6601	31	53.0	3.0	16.5	27.5	57.3	58.0
	MORE_T_01	24.8	132.7	10.38	2.38	8.50	4.49	356.75	7.5123	15	88.5	0.0	3.6	7.8	8.5	30.5
	MORE_T_02	24.0	129.3	9.53	4.32	8.16	4.30	341.93	6.8925	94	42.8	0.7	16.5	41.0	5.9	168.0
Pin rouge	PINR_T_01	21.0	45.5	7.70	0.39	6.74	8.27	502.67	13.6476	5	100.0	0.0	0.0	0.0	61.0	32.5
	PINR_T_02	20.9	45.9	8.13	0.35	6.42	8.29	460.49	13.4307	37	69.5	9.0	4.5	17.0	23.3	56.5
	PINR_T_03	20.7	45.7	8.08	0.12	7.01	8.15	408.05	8.1835	20	98.8	0.7	0.5	0.0	9.2	26.5
St-Onge	STON_T_02	22.3	94.4	7.64	1.45	6.55	13.30	656.57	25.7782	NA	NA	NA	NA	NA	NA	NA
	STON_T_01	22.8	99.1	7.10	1.36	6.18	13.10	530.03	17.6344	NA	NA	NA	NA	NA	NA	NA
Tracy	TRAC_T_02	24.1	72.9	8.24	0.03	6.35	3.87	467.33	8.6231	NA	NA	NA	NA	NA	NA	NA
	TRAC_T_01	23.0	71.1	8.31	0.08	6.45	3.31	272.39	4.8220	NA	NA	NA	NA	NA	NA	NA
Triton	TRIT_T_01	20.9	14.3	7.52	1.19	5.99	7.09	386.39	9.5666	27	98.8	0.0	0.0	1.2	57.5	128.5
	TRIT_T_02	20.9	14.2	7.55	0.82	5.69	7.93	379.55	10.1204	166	91.5	0.0	4.5	4.0	41.0	121.0