

ID	Latitude	Longitude	Distance (km)	Depth (m)	Bottom Depth	Glacier Name	Environment	Station Number	Cast Number	Chla	Chla ug/L	SiO4 (uM)	PO4 (uM)	NO2 (uM)	NO3 (uM)	NH3 (uM)	Fe (nM)	Mn (nM)	err Fe (nM)	err Mn (nM)
1 VIO_10_2	75.66192	-81.297643	1	5	250	Belcher	Glaciated	10	2	0.0704	3.08	0.39	0	1.03	0	1792.1	21.6	94.7	2.5	
2 VIO_10_3	75.662173	-81.298355	1	35	250	Belcher	Glaciated	10	3	0.1109	12.08	0.87	0.03	7.44	0.59	15336.3	148	48.5	2.9	
3 VIO_10_4	75.662826	-81.298725	1	95	250	Belcher	Glaciated	10	4	0.1528	16.33	1.08	0.05	9.27	0.37	2421.5	23.1	16.9	2.6	
4 VIO_10_5	75.663071	-81.299516	1	195	250	Belcher	Glaciated	11	5	0.1528	12.11	0.87	0	1.75	0.43	1621.9	21	77.8	1.9	
5 VIO_11_2	75.668024	-81.218666	5	3.1	5	257	Belcher	11	2	0.2546	4.3	0.51	0.01	1.75	0.58	1587.4	14.1	246.3	3	
6 VIO_11_3	75.667913	-81.217583	3.1	35	257	Belcher	Glaciated	11	3	0.1853	9.26	0.76	0.02	5.2	0.06	3508.1	30.8	20.3	1.8	
7 VIO_11_4	75.66722	-81.210545	3.1	95	257	Belcher	Glaciated	11	4	0.1065	11.52	0.79	0.04	6.51	0.09	1650	9.7	11.7	0.3	
8 VIO_11_5	75.66908	-81.202157	3.1	195	257	Belcher	Glaciated	11	5	0.091291	10.08	0.95	0.02	10	0.19	1133.6	13.7	12.5	1.3	
9 VIO_12_2	75.676032	-81.144206	4.63	5	206	Belcher	Glaciated	12	2	0.5543	2.47	0.32	0.01	0.38	0.45	1418.3	12	51.5	1.6	
10 VIO_12_3	75.676238	-81.14373	4.63	20	206	Belcher	Glaciated	12	3	0.5512	4.01	0.47	0.01	1.52	1.2	1007.3	9.8	19.6	0.7	
11 VIO_12_6	75.676009	-81.144596	4.63	65	206	Belcher	Glaciated	12	6	0.11	11.35	0.86	0.05	6.64	3.78	599.7	6.9	16	0.1	
12 VIO_12_7	75.675598	-81.148674	4.63	180	206	Belcher	Glaciated	12	7	0.0113	14.85	0.95	0.02	10	0.37	1415.1	15.6	146.8	0.9	
13 VIO_13_2	75.681585	-81.071218	7.2	5	186	Belcher	Glaciated	13	2	0.1455	2.57	0.43	0	0.14	0.42	1476.6	11.6	19.2	0.8	
14 VIO_13_3	75.681669	-81.070955	7.2	20	186	Belcher	Glaciated	13	3	1.3836	6.16	0.67	0.02	2.15	0.91	1061.5	9	33.1	2.3	
15 VIO_13_4	75.681513	-81.070535	7.2	65	186	Belcher	Glaciated	13	4	0.0579	14.21	1	0.06	7.47	0.77	1386.6	10.4	8.5	0.9	
16 VIO_13_5	75.681388	-81.069127	7.2	140	186	Belcher	Glaciated	13	5	0.2274	10.33	0.66	0.01	6.42	0.35	1322.3	6.9	48.5	0.5	
17 VIO_14_2	75.696346	-81.262694	1	5	159	Belcher	Glaciated	14	2	NA	NA	NA	NA	NA	0	1317	15.6	46.6	1.6	
18 VIO_14_3	75.696334	-81.261284	1	40	159	Belcher	Glaciated	14	3	NA	NA	NA	NA	NA	0	1317	15.6	46.6	1.6	
19 VIO_15_2	75.727764	-81.129081	0.76	7	122	Belcher	Glaciated	15	2	NA	NA	NA	NA	NA	0	1317	15.6	46.6	1.6	
20 VIO_15_3	75.72834	-81.129737	0.76	20	122	Belcher	Glaciated	15	3	NA	NA	NA	NA	NA	0	1317	15.6	46.6	1.6	
21 VIO_16_2	75.756976	-81.067385	0.85	25	143	Belcher	Glaciated	16	2	NA	NA	NA	NA	NA	0	1317	15.6	46.6	1.6	
22 VIO_16_3	75.756393	-81.06602	0.85	55	143	Belcher	Glaciated	16	3	NA	NA	NA	NA	NA	0	1317	15.6	46.6	1.6	
23 VIO_22_2	75.745318	-83.286913	0.88	7	172	Sverdrup	Glaciated	22	2	0.6745	5.66	0.48	0.03	1.91	0.13	13483.4	146.5	205.2	1.3	
24 VIO_22_3	75.745304	-83.286712	0.88	20	172	Sverdrup	Glaciated	22	3	4.2546	3.96	0.42	0.01	1	0.56	3736.9	61.7	190	7.5	
25 VIO_22_4	75.744421	-83.283686	0.88	115	172	Sverdrup	Glaciated	22	4	0.0303	12.7	0.85	0.05	6.39	0.1	1453.9	31.2	76.9	2	
26 VIO_23_2	75.749411	-83.195611	0.7	4	110	Sverdrup	Glaciated	23	2	0.7693	9.21	0.62	0.05	3.8	1.87	23464.2	241.6	312.5	8.6	
27 VIO_23_3	75.749457	-83.194641	0.7	12	110	Sverdrup	Glaciated	23	3	0.9646	5.36	0.39	0.03	1.81	0.57	NA	NA	NA	NA	
28 VIO_24_2	75.750407	-83.194493	0.7	24	105	Sverdrup	Glaciated	24	2	0.2882	9.16	0.76	0.04	5.07	1.41	NA	NA	NA	NA	
29 VIO_24_3	75.750653	-83.192476	0.7	17	105	Sverdrup	Glaciated	24	3	5.6136	2.47	0.27	0	0.48	0.29	4231.2	60.3	93.7	1.6	
30 VIO_25_2	75.76624	-83.114772	1	2	60	Sverdrup	Glaciated	25	2	0.5622	8.84	0.61	0.05	3.19	0	NA	NA	NA	NA	
31 VIO_25_3	75.765982	-83.113633	1	17	60	Sverdrup	Glaciated	25	3	1.1681	12.72	0.95	0.08	5.8	5.48	NA	NA	NA	NA	
32 VIO_26_2	75.766468	-83.113633	3	2	25	Sverdrup	Glaciated	26	2	0.7489	3.87	0.48	0.02	1.89	1.32	NA	NA	NA	NA	
33 VIO_26_3	75.766634	-83.159086	3	12	25	Sverdrup	Glaciated	26	3	4.4373	2.73	0.36	0	0.57	1.62	NA	NA	NA	NA	
34 VIO_27_2	75.766401	-83.223602	3.69	3	71	Sverdrup	Glaciated	27	2	0.7874	3.1	0.36	0	0.75	0.68	NA	NA	NA	NA	
35 VIO_27_3	75.766907	-83.223663	3.69	10	71	Sverdrup	Glaciated	27	3	4.2895	10.79	0.74	0.06	4.11	2.75	NA	NA	NA	NA	
36 VIO_27_4	75.767907	-83.224156	3.69	40	71	Sverdrup	Glaciated	27	4	0.2882	11.28	0.8	0.06	6.23	3.52	NA	NA	NA	NA	
37 VIO_28_2	75.763739	-83.28998	3	4	53	Sverdrup	Glaciated	28	2	0.4867	6.44	0.48	0.02	1.65	0.55	NA	NA	NA	NA	
38 VIO_28_3	75.76363	-83.290265	3	12	53	Sverdrup	Glaciated	28	3	7.9003	2.74	0.43	0.03	0.41	5.3	NA	NA	NA	NA	
39 VIO_29_2	75.749558	-83.201819	0.7	2	107	Sverdrup	Glaciated	29	2	0.6685	5.6	0.45	0.02	1.77	0	17799.8	186.9	1837.9	23.6	
40 VIO_29_3	75.749648	-83.202058	0.7	7	107	Sverdrup	Glaciated	29	3	1.5288	2.34	0.3	0.01	0.33	0.35	3836.9	51.7	115.4	9.5	
41 VIO_3_2	76.457531	-81.148655	5.1	5	79	Jakeman	Glaciated	3	2	NA	NA	NA	NA	NA	0	0.1	1744.1	29.2	31.3	1.3
42 VIO_3_3	76.456754	-81.1487	5.1	22	79	Jakeman	Glaciated	3	3	NA	NA	NA	NA	NA	0	0.05	0.74	NA	NA	NA
43 VIO_30_10	75.762128	-83.242813	2.48	110	44	Sverdrup	Glaciated	30	10	0.1852	13.25	0.83	0.05	6.75	0.05	3572.9	56.6	195	3	
44 VIO_30_4	75.759826	-83.236499	2.48	2	4	159	Sverdrup	Glaciated	30	2	0.5511	2.78	0.36	0	0	0.3325.5	331.9	684.9	9	
45 VIO_30_5	75.759945	-83.236449	2.48	10	159	Sverdrup	Glaciated	30	5	5.8781	2.5	0.38	0	0.22	2.85	2999.8	42.2	61.5	3.4	
46 VIO_30_9	75.761268	-83.243766	2.48	47	159	Sverdrup	Glaciated	30	9	0.1401	12.73	0.94	0.07	6.73	0.87	2158.5	33.2	142.6	6.9	
47 VIO_31_2	75.827572	-82.979912	13.3	4	90	Sverdrup	Glaciated	31	2	0.1752	1.83	0.27	0	0.19	1.2	1889.9	21	64.3	0.7	
48 VIO_31_3	75.827551	-82.979653	13.3	20	90	Sverdrup	Glaciated	31	3	0.2119	3.55	0.42	0	0.52	0.51	800.2	8.3	108.8	0.6	
49 VIO_31_4	75.82693	-82.976227	13.3	40	90	Sverdrup	Glaciated	31	4	2.2973	11.36	0.91	0.07	5.29	1.52	326.1	6.6	13.8	0.6	
50 VIO_31_5	75.826822	-82.976102	13.3	67	90	Sverdrup	Glaciated	31	5	0.7855	9.57	0.69	0.05	5.11	1.77	678.8	7.6	25.5	0.1	
51 VIO_32_2	75.891288	-82.918896	18.13	125	522	Sverdrup	Glaciated	32	2	0.0773	NA	NA	NA	NA	NA	734.7	9.9	16.8	0.1	
52 VIO_32_3	75.892769	-82.92343	18.13	350	522	Sverdrup	Glaciated	32	3	0.0058	14.37	0.79	0.02	9.53	2.87	1133.2	9.1	54	0.5	
53 VIO_32_7	75.891282	-82.923124	18.13	20	522	Sverdrup	Glaciated	32	7	NA	NA	NA	NA	NA	0.55	0.01	1.12	0.65	NA	NA
54 VIO_32_8	75.892368	-82.926896	18.13	60	522	Sverdrup	Glaciated	32	8	0.2333	10.7	0.8	0.06	5.37	3.27	NA	NA	NA	NA	
55 VIO_33_2	75.938474	-82.795895	26.4	15	592	Sverdrup	Glaciated	33	2	0.597	0.8	0.33	0	0	0.43	1241.9	8.7	56.2	1.6	
56 VIO_33_3	75.938601	-82.796134	26.4	50	592	Sverdrup	Glaciated	33	3	1.2744	13.6	0.72	0	1.06	787.5	6	6	1.5		
57 VIO_33_4	75.932145	-82.769379	26.4	200	592	Sverdrup	Glaciated	33	4	0.0374	14.12	0.84	0.01	8.88	0	1225.1	6	80	1.1	
58 VIO_33_5	75.935699	-82.780024	26.4	400	592	Sverdrup	Glaciated	33	5	0.0382	12.31	0.7	0	8.73	1.78	845.2	24.3	56.5	26.1	
59 VIO_34_2	75.706297	-84.486712	0.65	5	43	True Love	Unglaciated	34	2	NA	1.5	0.19	0	0.17	1.13	419	12.4	3.4	1.5	
60 VIO_34_3	75.706234	-84.486237	0.65	3	43	True Love	Unglaciated	34	3	1.4476	1	0.3	0.07	0	0.39	433.2	8.6	20.2	0.6	
61 VIO_35_2	75.717284	-84.511053	2	5	74	True Love	Unglaciated	35	2	NA	1.76	0.22	0	0.15	0.45	1411.6	22.7	84.7	4.9	
62 VIO_35_3	75.717219	-84.510801	2	33	74	True Love	Unglaciated	35	3	1.6921	2.12	0.39	0	0.35	0.13	411.5	9	4.4	2.2	
63 VIO_35_6	75.717661	-84.516901	2	47	74	True Love	Unglaciated	35	6	2.0054	6.41	0.68	0.03	3.02	0.94	357.9	6.5	6.7	0.7	
64 VIO_36_2	75.731667	-84.550726	3.5	15	149	True Love	Unglaciated	36	2	0.3667	1.08	0.25	0	0.15	0.42	625.8	9.8	34.5	0.9	
65 VIO_36_3	75.731803	-84.550336	3.5	35	149	True Love	Unglaciated	36	3	1.3759	3.96	0.48	0.02	1.23	0.14	454.2	7.8	15	2.3	
66 VIO_36_4	75.732498	-84.547265	3.5	85	149	True Love	Unglaciated	36	4	1.3755	12.24	0.87	0.07	6.23	1.35	497	7.1	2.1	0.7	
67 VIO_36_5	75.732773	-84.546237	3.5	135	149	True Love	Unglaciated	36	5	1.2275	13.4	0.9	0.07	7.21	0.61	863.9	1			