

Lake ID	Lake Name	Date	Time	Secchi	Depth	Temp	DO	%DO	pH	SpCond	Smpl	Chla	Pheo-a	Silica	TP	SRP	TKN	TN	NO3NO2	Alk	Hard	Cl	As	Cd	Cu	Pb	Ni	Mn	Zn	E. Coli	Tot Al	Sol Al	Sulfate		
DNR		MMDDYY	HHMMSS	meters	meters	°C	mg/L		Units	µS/cm	Depth	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	# colonies/ 100mL	µg/L	µg/L	mg/L			
27-0038	Brownie	90706	112152		8	6.3	0.26	2.2	6.36	2871																									
27-0038	Brownie	90706	112024		9	6.5	0.26	0.5	6.31	3112																									
27-0038	Brownie	90706	111947		10	6.84	0.08	0.7	6.26	3258																									
27-0038	Brownie	90706	111916		11	7.03	0.23	2	6.3	3311																									
27-0038	Brownie	90706	111841		12	7.28	0.31	2.6	6.32	3337																									
27-0038	Brownie	90706	111751		13	7.32	0.17	1.5	6.33	3366																									
27-0038	Brownie	101906	110303	2.05	0	9.5	2.5	22.4	6.9	689	0-2	2.22	1.7	1.30	0.023	<0.003	0.937	0.922	0.191	60.5	80.0	166.0													
27-0038	Brownie	101906	110234		1	9.51	2.46	22.1	6.87	689																									
27-0038	Brownie	101906	110152		2	9.51	2.5	22.4	6.89	689																									
27-0038	Brownie	101906	110047		3	9.51	2.46	22.1	6.89	691																									
27-0038	Brownie	101906	110111		3	9.51	2.5	22.4	6.89	690																									
27-0038	Brownie	101906	110009		4	9.48	2.45	22	6.91	690																									
27-0038	Brownie	101906	105933		5	9.43	2.29	20.5	6.91	702																									
27-0038	Brownie	101906	105805		6	9.6	0.11	1	6.58	2422	6				0.038	<0.003																			
27-0038	Brownie	101906	105720		7	7.5	0.2	1.7	6.43	2814																									
27-0038	Brownie	101906	105622		8	6.73	0.1	0.8	6.37	3055																									
27-0038	Brownie	101906	105534		9	6.65	0.16	1.3	6.34	3160																									
27-0038	Brownie	101906	105450		10	6.88	0.12	1	6.31	3353																									
27-0038	Brownie	101906	105349		11	7.09	0.11	0.9	6.31	3414																									
27-0038	Brownie	101906	105306		12	7.27	0.13	1.1	6.29	3458	12				5.843	0.067																			
27-0038	Brownie	101906	105242		13	7.35	0.26	2.3	6.26	3487																									
27-0038	Brownie	101906	105215		14	7.44	0.25	2.2	6.27	3489																									
27-0031	Calhoun	41706	101538	3.57	0	9.8	10.96	99.2	8.28	592	0-2	3.44	1.03	<0.500	0.023	<0.003	0.727	0.721	0.215	101	116	120								18.4	13.9				
27-0031	Calhoun	41706	101456		1	9.77	10.94	99	8.3	592																									
27-0031	Calhoun	41706	101430		2	9.76	10.91	98.7	8.33	592																									
27-0031	Calhoun	41706	101408		3	9.73	10.89	98.4	8.35	592																									
27-0031	Calhoun	41706	101335		4	9.7	10.85	98	8.28	592																									
27-0031	Calhoun	41706	101259		5	9.68	10.82	97.7	8.25	592																									
27-0031	Calhoun	41706	101221		6	9.37	10.68	95.7	8.23	594	6				0.015	<0.003															19	9			
27-0031	Calhoun	41706	101132		7	8.22	10.16	88.5	8.2	599																									
27-0031	Calhoun	41706	101055		8	7.26	9.07	77.2	8.18	608																									
27-0031	Calhoun	41706	101035		9	5.96	9.06	74.7	8.14	616																									
27-0031	Calhoun	41706	101007		10	5.7	8.68	71	8.16	623																									
27-0031	Calhoun	41706	100931		11	5.16	7.78	62.8	8.15	635																									
27-0031	Calhoun	41706	100905		12	5.1	7.41	59.7	8.16	643	12				0.013	<0.003						630								7.9	<5.0				
27-0031	Calhoun	41706	100838		13	5	6.23	50.1	8.19	647																									
27-0031	Calhoun	41706	100817		14	4.51	5.56	44.1	8.18	688																									
27-0031	Calhoun	41706	100754		15	4.38	5.23	41.4	8.16	698																									
27-0031	Calhoun	41706	100715		16	4.31	4.52	35.7	8.23	710																									
27-0031	Calhoun	41706	100650		17	4.23	4.36	34.4	8.28	716																									
27-0031	Calhoun	41706	100627		18	4.21	4.21	33.2	8.33	722	18				0.018	<0.003															10.7	7.6			
27-0031	Calhoun	41706	100605		19	4.21	4.21	33.2	8.39	721																									
27-0031	Calhoun	41706	100525		20	4.27	4.13	32.6	8.49	720																									
27-0031	Calhoun	41706	100534		20	4.25	4.16	32.8	8.47	720																									
27-0031	Calhoun	41706	100432		21	4.16	3.08	24.2	8.64	750																									
27-0031	Calhoun	41706	100403		22	4.2	3.08	24.2	8.77	756	22				0.033	0.006							170								12.8	9.05			
27-0031	Calhoun	50806	92651	4.87	0	13.44	10.49	104.1	8.35	599	0-2	1.45	0.6	0.596	0.034	<0.003		0.619																	
27-0031	Calhoun	50806	92636		1	13.44	10.48	104	8.33	598																									
27-0031	Calhoun	50806	92618		2	13.42	10.46	103.7	8.32	599																									
27-0031	Calhoun	50806	92538		3	13.4	10.42	103.3	8.26	599																									
27-0031	Calhoun	50806	92455		4	13.33	10.34	102.3	8.24	598																									
27-0031	Calhoun	50806	92417		5	12.66	10.23	99.7	7.98	600																									
27-0031	Calhoun	50806	92356		6	12.53	10.15	98.7	8.13	600	6				0.015	<0.003																			
27-0031	Calhoun	50806	92316		7	12.1	9.84	94.7	8.02	600																									
27-0031	Calhoun	50806	92230		8	11.43	8.96	84.9	7.87	602																									
27-0031	Calhoun	50806	92143		9	8.3	7.33	64.5	7.75	626																									
27-0031	Calhoun	50806	92101		10	7.55	6.48	56.1	7.73	634																									
27-0031	Calhoun	50806	92030		11	6.85	5.5	46.7	7.73	645																									
27-0031	Calhoun	50806	92006		12	6.34	5.39	45.2	7																										

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DNR		MMDDYY	HHMMSS	meters	meters	°C	mg/L		Units	µS/cm	Depth	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	# colonies/ 100mL	µg/L	µg/L	mg/L			
27-0031	Calhoun	70506	92106		12	7.75	0.24	2.1	6.71	664	12					0.02	<0.003																		
27-0031	Calhoun	70506	92034		13	6.91	0.18	1.5	6.69	673																									
27-0031	Calhoun	70506	91958		14	6.3	0.24	2	6.67	680																									
27-0031	Calhoun	70506	91930		15	5.84	0.12	1	6.67	684																									
27-0031	Calhoun	70506	91849		16	5.48	0.22	1.8	6.66	687																									
27-0031	Calhoun	70506	91806		17	5.44	0.16	1.3	6.66	688																									
27-0031	Calhoun	70506	91734		18	5.42	0.31	2.5	6.66	688	18				0.024	0.006																			
27-0031	Calhoun	70506	91655		19	5.34	0.23	1.9	6.66	690																									
27-0031	Calhoun	70506	91625		20	5.38	0.23	1.9	6.67	689																									
27-0031	Calhoun	70506	91549		21	5.37	0.45	3.6	6.67	691																									
27-0031	Calhoun	70506	91520		22	5.4	0.5	4.1	6.69	691	22				0.033	0.012						121													
27-0031	Calhoun	70506	91456		23	5.36	0.53	4.3	6.71	691																									
27-0031	Calhoun	70506	91408		24	5.41	0.81	6.5	6.76	691																									
27-0031	Calhoun	72006	101357	3.21	0	25.4	7.61	95	8.55	581	0-2	3.2	0.5		0.011	<0.003		<0.500																	
27-0031	Calhoun	72006	101336		1	25.4	7.49	93.5	8.55	581																									
27-0031	Calhoun	72006	101308		2	25.3	7.46	93	8.53	581																									
27-0031	Calhoun	72006	101243		3	25.3	7.73	96.3	8.51	581																									
27-0031	Calhoun	72006	101211		4	25.2	7.78	96.7	8.48	581																									
27-0031	Calhoun	72006	101123		5	25.0	7.77	94.6	8.34	582																									
27-0031	Calhoun	72006	101040		6	20.1	9.06	102	8.01	604	6				0.012	<0.003																			
27-0031	Calhoun	72006	100946		7	15.9	7.94	82.3	7.37	617																									
27-0031	Calhoun	72006	100857		8	12.6	3.22	31	6.9	633																									
27-0031	Calhoun	72006	100825		9	11.1	0.5	4.6	6.81	644																									
27-0031	Calhoun	72006	100759		10	10.0	0.23	2.1	6.77	654																									
27-0031	Calhoun	72006	100715		11	8.76	0.16	1.4	6.74	664																									
27-0031	Calhoun	72006	100640		12	7.3	0	0	6.71	675	12				0.019	0.004																			
27-0031	Calhoun	72006	100517		13	6.59	0.24	2	6.69	681																									
27-0031	Calhoun	72006	100445		14	6.07	0.16	1.3	6.68	688																									
27-0031	Calhoun	72006	100354		15	5.92	0.23	1.9	6.68	687																									
27-0031	Calhoun	72006	100303		16	5.72	0.23	1.9	6.67	690																									
27-0031	Calhoun	72006	100224		17	5.62	0.12	1	6.67	692																									
27-0031	Calhoun	72006	100146		18	5.63	0.15	1.2	6.66	691	18				0.024	0.013																			
27-0031	Calhoun	72006	100105		19	5.55	0.1	0.8	6.66	693																									
27-0031	Calhoun	72006	100025		20	5.57	0.32	2.6	6.65	693																									
27-0031	Calhoun	72006	95951		21	5.67	0.29	2.4	6.54	700																									
27-0031	Calhoun	72006			22	NA	NA	NA	NA	NA	22				0.032	0.02																			
27-0031	Calhoun	80106	95239	2.56	0	28.2	7.75	103	8.62	574	0-2	2.67	<0.500	0.67	0.015	<0.003		<0.500																	
27-0031	Calhoun	80106	95214		1	28.1	7.68	102	8.6	575																									
27-0031	Calhoun	80106	95142		2	28.2	7.72	102	8.57	574																									
27-0031	Calhoun	80106	95115		3	28.1	7.67	101	8.51	575																									
27-0031	Calhoun	80106	95049		4	28.0	7.68	101	8.41	576																									
27-0031	Calhoun	80106	95013		5	24.8	7.59	94.6	7.99	587																									
27-0031	Calhoun	80106	94942		6	22.6	7.29	87.2	7.6	601	6				0.015	0.007																			
27-0031	Calhoun	80106	94903		7	17.6	6.68	72.3	7.06	626																									
27-0031	Calhoun	80106	94824		8	13.7	2.92	29.1	6.77	640																									
27-0031	Calhoun	80106	94741		9	11.1	0.22	1	6.65	656																									
27-0031	Calhoun	80106	94658		10	9.73	0.01	0.1	6.6	666																									
27-0031	Calhoun	80106	94623		11	8.49	0	0	6.56	676																									
27-0031	Calhoun	80106	94554		12	7.23	0.18	1.5	6.54	684	12				0.017	<0.003																			
27-0031	Calhoun	80106	94519		13	6.46	0	0	6.52	692																									
27-0031	Calhoun	80106	94451		14	6.11	0.26	2.2	6.51	695																									
27-0031	Calhoun	80106	94410		15	5.86	0.2	1.7	6.5	697																									
27-0031	Calhoun	80106	94330		16	5.79	0.08	0.6	6.48	698																									
27-0031	Calhoun	80106	94255		17	5.67	0.3	2.1	6.47	700																									
27-0031	Calhoun	80106	94203		18	5.65	0.3	2.4	6.46	700	18				0.033	0.031																			
27-0031	Calhoun	80106	94113		19	5.56	0.08	0.7	6.45	702																									
27-0031	Calhoun	80106	93907		20	5.53	0.35	2.9	6.43	702																									
27-0031	Calhoun	80106	93812		21	5.55	0.28	2.3	6.44	701																									
27-0031	Calhoun	80106	93728		22	5.67	0.39	3.2	6.47	701	22				0.044	0.04																			
27-0031	Calhoun	80106	9																																

Lake ID	Lake Name	Date	Time	Secchi	Depth	Temp	DO	%DO	pH	SpCond	Smpl	Chla	Pheo-a	Silica	TP	SRP	TKN	TN	NO3NO2	Alk	Hard	Cl	As	Cd	Cu	Pb	Ni	Mn	Zn	E. Coli	Tot Al	Sol Al	Sulfate		
DNR		MMDDYY	HHMMSS	meters	meters	°C	mg/L		Units	µS/cm	Depth	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	# colonies/ 100mL	µg/L	µg/L	mg/L			
27-0039	Cedar	41706	111016	0.91	0	11.8	14.3	136	8.98	566	0-2	26.1	7.42	1.39	0.03	<0.003	1.3	1.02	<0.030	115	128	110													
27-0039	Cedar	41706	110956		1	11.7	14.2	135	8.57	565																									
27-0039	Cedar	41706	110922		2	11.5	13.6	129	8.82	565																									
27-0039	Cedar	41706	110850		3	11.1	12.7	118	8.51	567																									
27-0039	Cedar	41706	110814		4	8.91	8.87	78.6	8.19	567																									
27-0039	Cedar	41706	110755		5	7.12	8.17	69.2	8.08	571	5				0.034	<0.003																			
27-0039	Cedar	41706	110736		6	6.54	7.85	65.7	8.12	570																									
27-0039	Cedar	41706	110710		7	6.17	7.16	59.3	8.1	574																									
27-0039	Cedar	41706	110647		8	5.69	6.46	52.9	8.07	580																									
27-0039	Cedar	41706	110625		9	5.23	6.16	49.8	8.11	589																									
27-0039	Cedar	41706	110523		10	4.95	5.46	43.8	8.16	595	10				0.028	<0.003																			
27-0039	Cedar	41706	110446		11	4.85	5.02	40.2	8.23	597																									
27-0039	Cedar	41706	110410		12	4.68	4.65	37	8.27	601																									
27-0039	Cedar	41706	110354		13	4.67	4.48	35.7	8.31	602																									
27-0039	Cedar	41706	110331		14	4.63	4.1	32.7	8.37	604	14				0.031	<0.003							120												
27-0039	Cedar	41706	110306		15	4.66	3.78	30.1	8.44	606																									
27-0039	Cedar	51006	95515	3.92	0	16.4	8.83	93.5	8.28	574	0-2	1.25	0.8	0.921	0.032	0.003		0.788																	
27-0039	Cedar	51006	95452		1	16.3	8.81	93.2	8.12	575																									
27-0039	Cedar	51006	95331		2	16.4	8.7	92.1	8.09	574																									
27-0039	Cedar	51006	95234		3	14.9	8.08	82.9	7.87	577																									
27-0039	Cedar	51006	95156		4	13.6	6.1	60.8	7.45	583																									
27-0039	Cedar	51006	95129		5	10.8	2.94	27.5	7.2	590	5				0.035	0.01																			
27-0039	Cedar	51006	95103		6	7.84	1.91	16.7	7.15	595																									
27-0039	Cedar	51006	95012		7	6.68	1.66	14	7.11	598																									
27-0039	Cedar	51006	94921		8	6.14	1.62	13.5	7.13	599																									
27-0039	Cedar	51006	94845		9	5.78	1.44	11.9	7.1	602																									
27-0039	Cedar	51006	94702		10	5.3	0.61	5	7.15	608	10				0.047	0.012																			
27-0039	Cedar	51006	94608		11	5.05	0.56	4.6	7.19	611																									
27-0039	Cedar	51006	94531		12	5.01	0.59	4.8	7.22	613																									
27-0039	Cedar	51006	94440		13	4.86	0.63	5.1	7.28	616																									
27-0039	Cedar	51006	94417		14	5.32	0.69	5.7	7.29	613	14				0.051	0.022																			
27-0039	Cedar	52206	103250	2.69	0	16.0	11.8	121	8.64	568	0-2	8.36	1.35		0.036	<0.003		0.856																	
27-0039	Cedar	52206	103212		1	15.6	11.8	121	8.62	567																									
27-0039	Cedar	52206	103115		2	15.3	11.5	117	8.54	568																									
27-0039	Cedar	52206	103041		3	15.3	11.4	115	8.46	568																									
27-0039	Cedar	52206	102926		4	14.8	9.53	95.6	8.1	571																									
27-0039	Cedar	52206	102826		5	13.4	7.78	75.8	7.79	575	5				0.032	0.003																			
27-0039	Cedar	52206	102644		6	10.4	2.43	22.1	7.49	583																									
27-0039	Cedar	52206	102544		7	7.38	0.48	4.1	7.43	592																									
27-0039	Cedar	52206	102517		8	6.39	0.5	4.1	7.42	592																									
27-0039	Cedar	52206	102441		9	5.79	0.51	4.1	7.41	596																									
27-0039	Cedar	52206	102407		10	5.52	0.52	4.2	7.41	599	10				0.042	0.023																			
27-0039	Cedar	52206	102329		11	5.36	0.52	4.2	7.43	602																									
27-0039	Cedar	52206	102241		12	5.23	0.54	4.3	7.43	604																									
27-0039	Cedar	52206	102200		13	5.13	0.56	4.5	7.43	606																									
27-0039	Cedar	52206	102103		14	5.16	0.59	4.7	7.31	611	14				0.082	0.045																			
27-0039	Cedar	60706	120144	1.98	0	24.9	9.14	113	8.58	574	0-2	<0.5	5.2	0.609	0.02	<0.003		0.604																	
27-0039	Cedar	60706	120048		1	24.9	9.26	115	8.57	574																									
27-0039	Cedar	60706	120012		2	24.8	9.29	115	8.56	574																									
27-0039	Cedar	60706	115914		3	22.6	11.1	132	8.48	580																									
27-0039	Cedar	60706	115747		4	16.3	7.38	77.1	7.7	588																									
27-0039	Cedar	60706	115658		5	13.4	3.34	32.8	7.31	589	5				0.03	<0.003																			
27-0039	Cedar	60706	115601		6	10.5	0.43	4	7.17	600																									
27-0039	Cedar	60706	115523		7	7.91	0.14	1.2	7.14	606																									
27-0039	Cedar	60706	115431		8	6.27	0.18	1.5	7.14	608																									
27-0039	Cedar	60706	115320		9	5.81	0.1	0.9	7.14	613																									
27-0039	Cedar	60706	115241		10	5.58	0.21	1.7	7.15	615	10				0.073	0.045																			
27-0039	Cedar	60706	115205		11	5.36	0.19	1.5	7.17	617																									
27-0039	Cedar	60706	115106		12	5.13	0.23	1.8	7.2	620																									
27-0039	Cedar	60706	115036		13																														

Lake ID	Lake Name	Date	Time	Secchi	Depth	Temp	DO	%DO	pH	SpCond	Smpl	Chla	Pheo-a	Silica	TP	SRP	TKN	TN	NO3NO2	Alk	Hard	Cl	As	Cd	Cu	Pb	Ni	Mn	Zn	E. Coli	Tot Al	Sol Al	Sulfate			
DNR		MMDDYY	HHMMSS	meters	meters	°C	mg/L		Units	µS/cm	Depth	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	# colonies/ 100mL	µg/L	µg/L	mg/L				
27-0039	Cedar	62106	100434		15	5.52	0.6	4.4	7.1	667																										
27-0039	Cedar	70506	103328	1.65	0	25.3	8.41	104	8.57	552	0-2	4.67	0.8	1.3	0.02	<0.003	0.646	0.581	<0.030	96	108	96.9														
27-0039	Cedar	70506	103217		1	25.2	8.65	107	8.58	551																										
27-0039	Cedar	70506	103110		2	25.1	8.49	105	8.54	551																										
27-0039	Cedar	70506	103028		3	24.9	8.03	98.7	8.42	552																										
27-0039	Cedar	70506	102934		4	20.3	3.56	40.1	7.6	583																										
27-0039	Cedar	70506	102826		5	15.3	0.46	4.7	7.25	597	5				0.028	<0.003																				
27-0039	Cedar	70506	102754		6	11.4	0.24	2.2	7.17	600																										
27-0039	Cedar	70506	102725		7	8.17	0.13	1.1	7.14	609																										
27-0039	Cedar	70506	102655		8	6.92	0.26	2.2	7.12	609																										
27-0039	Cedar	70506	102623		9	6.25	0.19	1.6	7.11	611																										
27-0039	Cedar	70506	102550		10	5.93	0.31	2.5	7.1	616	10				0.081	0.05																				
27-0039	Cedar	70506	102443		11	5.65	0.37	3	7.14	615																										
27-0039	Cedar	70506	102332		12	5.54	0.48	3.9	7.18	618																										
27-0039	Cedar	70506	102312		13	5.41	0.43	3.5	7.19	619																										
27-0039	Cedar	70506	102223		14	5.98	0.76	6.2	7.07	633	14				0.138	0.104						103														
27-0039	Cedar	72106	141354	1.02	0	25.6	9.4	118	8.85	544	0-2	16.4	0.7		0.002	0.006		0.815																		
27-0039	Cedar	72106	141314		1	25.6	9.54	119	8.85	543																										
27-0039	Cedar	72106	141222		2	25.6	9.6	120	8.84	543																										
27-0039	Cedar	72106	141127		3	25.6	9.57	120	8.76	543																										
27-0039	Cedar	72106	141027		4	21.8	0.4	4.7	7.46	585																										
27-0039	Cedar	72106	140939		5	16.6	0.13	1.3	7.33	599	5				0.029	<0.003																				
27-0039	Cedar	72106	140843		6	11.8	0.21	2	7.2	609																										
27-0039	Cedar	72106	140756		7	8.81	0.1	0.9	7.11	614																										
27-0039	Cedar	72106	140713		8	7.46	0.22	1.9	7.09	614																										
27-0039	Cedar	72106	140616		9	6.55	0.07	0.6	7.06	617																										
27-0039	Cedar	72106	140537		10	6	0.24	2	7.05	621	10				0.071	0.042																				
27-0039	Cedar	72106	140415		11	5.74	0.29	2.4	7.06	622																										
27-0039	Cedar	72106	140329		12	5.55	0.09	0.8	7.06	623																										
27-0039	Cedar	72106	140247		13	5.38	0.2	1.6	7.06	628																										
27-0039	Cedar	72106	140212		14	5.43	0.15	1.2	7.07	630	14				0.156	0.127																				
27-0039	Cedar	72106	140040		15	5.34	0.33	2.6	7.19	637																										
27-0039	Cedar	80106	110430	0.55	0	29.0	8.53	114	8.96	522	0-2	27.1	<0.500	2.01	0.024	<0.003		1.04																		
27-0039	Cedar	80106	110350		1	29.0	8.44	113	8.93	522																										
27-0039	Cedar	80106	110322		2	28.9	8.27	111	8.84	521																										
27-0039	Cedar	80106	110251		3	26.8	6.71	86.8	8.24	543																										
27-0039	Cedar	80106	110205		4	22.9	0.79	9.4	7.4	582																										
27-0039	Cedar	80106	110127		5	16.2	0.08	0.8	7.23	612	5				0.031	<0.003																				
27-0039	Cedar	80106	110050		6	12.1	0.18	1.8	7.13	620																										
27-0039	Cedar	80106	105957		7	9.07	0.25	2.2	7.04	629																										
27-0039	Cedar	80106	105931		8	7.91	0.27	2.4	7.01	628																										
27-0039	Cedar	80106	105903		9	6.57	0.2	1.7	6.99	633																										
27-0039	Cedar	80106	105829		10	6.22	0.12	1	6.99	635	10				0.07	<0.003																				
27-0039	Cedar	80106	105805		11	5.91	0.07	0.5	6.99	636																										
27-0039	Cedar	80106	105736		12	5.66	0.35	2.9	6.99	639																										
27-0039	Cedar	80106	105651		13	5.46	0.16	1.3	7.01	646																										
27-0039	Cedar	80106	105627		14	5.57	0.2	1.7	7.03	652	14				0.183	0.133																				
27-0039	Cedar	80106	105557		15	5.46	0.26	2.1	7.07	661																										
27-0039	Cedar	81506	100808	0.55	0	24.6	7.86	96.6	9.04	492	0-2	47	1.7		0.027	0.007		1.3																		
27-0039	Cedar	81506	100745		1																															

Lake ID	Lake Name	Date	Time	Secchi	Depth	Temp	DO	%DO	pH	SpCond	Smpl	Chla	Pheo-a	Silica	TP	SRP	TKN	TN	NO3NO2	Alk	Hard	Cl	As	Cd	Cu	Pb	Ni	Mn	Zn	E. Coli	Tot Al	Sol Al	Sulfate	
DNR		MMDDYY	HHMMSS	meters	meters	°C	mg/L		Units	µS/cm	Depth	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	# colonies/ 100mL	µg/L	µg/L	mg/L		
27-0039	Cedar	90706	105653		13	5.8	0.35	2.8	7.01	650																								
27-0039	Cedar	90706	105601		14	5.66	0.22	1.8	7.04	655	14					0.225	0.185																	
27-0039	Cedar	90706	105521		15	5.78	0.54	4.5	7.08	660																								
27-0039	Cedar	92606	110350	1.31	0	15.6	7.84	80.9	8.04	513	0-2	4.91	2.1		0.032	<0.003	0.918																	
27-0039	Cedar	92606	110327		1	15.6	7.73	79.7	8.03	516																								
27-0039	Cedar	92606	110251		2	15.6	7.75	79.9	8.02	515																								
27-0039	Cedar	92606	110215		3	15.5	7.69	79.2	8	515																								
27-0039	Cedar	92606	110137		4	15.5	7.58	78	7.96	515																								
27-0039	Cedar	92606	110100		5	15.5	7.47	76.8	7.9	514	5					0.029	<0.003																	
27-0039	Cedar	92606	110029		6	15.4	7.21	74	7.81	516																								
27-0039	Cedar	92606	105947		7	11.6	0.28	2.6	7.26	642																								
27-0039	Cedar	92606	105905		8	8.64	0.23	2	7.22	638																								
27-0039	Cedar	92606	105827		9	7.19	0.36	3.1	7.18	641																								
27-0039	Cedar	92606	105653		10	6.68	0.31	2.6	7.18	646	10					0.124	0.085																	
27-0039	Cedar	92606	105623		11	6.33	0.39	3.3	7.19	645																								
27-0039	Cedar	92606	105529		12	6.18	0.44	3.6	7.19	646																								
27-0039	Cedar	92606	105503		13	6.07	0.56	4.6	7.17	650																								
27-0039	Cedar	92606	105437		14	5.91	0.78	6.4	7.18	654	14					0.032	0.004																	
27-0039	Cedar	92606	105356		15	5.73	1.07	8.8	7.2	665																								
27-0039	Cedar	101906	104023	1.61	0	9.48	5.62	50.4	7.39	560	0-2	4.42	1.9	2.32	0.040	0.004	1.52	1.19	<0.030	109	136	85												
27-0039	Cedar	101906	103949		1	9.48	5.53	49.6	7.38	560																								
27-0039	Cedar	101906	103914		2	9.48	5.56	49.9	7.35	559																								
27-0039	Cedar	101906	103838		3	9.48	5.43	48.7	7.33	559																								
27-0039	Cedar	101906	103755		4	9.48	5.41	48.6	7.35	559																								
27-0039	Cedar	101906	103718		5	9.47	5.39	48.3	7.32	559	5					0.044	0.003																	
27-0039	Cedar	101906	103635		6	9.46	5.48	49.1	7.3	560																								
27-0039	Cedar	101906	103549		7	9.46	5.48	49.1	7.3	560																								
27-0039	Cedar	101906	103506		8	9.44	5.45	48.9	7.27	559																								
27-0039	Cedar	101906	103409		9	9.43	5.3	47.5	7.28	560																								
27-0039	Cedar	101906	103327		10	9.42	5.04	45.2	7.2	560	10					0.039	0.005																	
27-0039	Cedar	101906	103238		11	8.24	1.19	10.3	7.01	618																								
27-0039	Cedar	101906	103150		12	6.28	0.22	1.8	6.97	670																								
27-0039	Cedar	101906	103101		13	6.02	0.27	2.2	6.93	676																								
27-0039	Cedar	101906	103023		14	5.83	0.33	2.7	6.9	684	14					0.282	0.263						95											
27-0039	Cedar	101906	102948		15	5.78	0.52	4.3	6.88	690																								
27-0022	Diamond	22206	125007		0	-0.09	13.7	96.9	7.15	1680	0	38.2	59.2		0.252	0.007	5.14						132	432	<5.00	<5.00	<5.00	<5.00	<5.00	157	<50.0			
27-0022	Diamond	22206	125133		1	0.82	10.7	77.5	7.04	1713																								
27-0022	Diamond	41906	101343	>0.84	0	15.7	7.08	73.6	7.94	1076	0	23.35	8.51		0.086	0.003	1.34						80	297.5	<20.0	<5.0	<5.0	<5.0	<5.0	<50.0	<50.0			
27-0022	Diamond	41906	101206		1	15.6	6.82	70.8	8.06	1075																								
27-0022	Diamond	51506	85640	>0.7	0	12.1	9.08	86	6.73	926	0	22.55	12.35		0.089	0.003	1.13						609.5											
27-0022	Diamond	51506	85757		1	12.11	9.22	87.3	6.86	922																								
27-0022	Diamond	52306	83934	0.61	0	17.38	10.22	109	7.5	965	0	16.45	6.3		0.108	0.003	1.32						238											
27-0022	Diamond	52306	84040		1	17.34	10.99	117	7.85	966																								
27-0022	Diamond	60806	93820	0.38	0	23.6	8.12	97.9	8.81	978	0	35.2	6.8		0.227	0.005	1.94						94	1182	<5.00	<5.00	<5.00	<5.00	<5.00	166	<50.0			
27-0022	Diamond	60806	93907		1	23.6	7.66	92.4	8.98	979																								
27-0022	Diamond	62206	91722	0.25	0	22.8	7.58	90.2	7.98	715	0	73	19.4		0.239	0.005	1.95						826											
27-0022	Diamond	62206	91836		1	22.4	2.21	26	7.21	759																								
27-0022	Diamond	70606	134209	0.32	0	24.3	10.9	132	9.25	879	0	88.3	14.75		0.25	<0.003	2.93						68	197	<20.0	<5.00	<5.00	<5.00	<5.00	131	<50.0			
27-0022	Diamond	70606	134330		1	22.3	0.95	11.1	7.4	934																								
27-0022	Diamond	71806	90901	0.23	0	24.4	3.79	46.3	6.28	1004	0	127.5	15.6		0.348	<0.003	4.23	1.29	<0.030				287											
27-0022	Diamond	71806	90941		1	23.8	0.69	8.3	6.41	1009																								
27-0022	Diamond	80306	113942	0.35	0	26.2	9.3	118	7.67	428	0	53.8	10.2		0.165	0.003	1.98						47.9											
27-0022	Diamond	80306	113909		1	24.4	0.85	10.5	6.54	509																								
27-0022	Diamond	81606	95948	0.35	0	22.6	6.24	73.7	6.43	461	0	86.3	13		0.204	0.004	2.55						114											
27-0022	Diamond	81606	95907		1	21.4	0.94	10.8	6.15	516																								
27-0022	Diamond	82906	111555	0.35	0	20.9	6.27	71.8	6.35	376	0	133	27.4		0.254	<0.003	2.3						104											
27-0022	Diamond	82906	111439		1	19.8	1.84	20.6	6.29	378																								
27-0022	Diamond	90806	93509	0.40	0	12.6	7.82	75.1	6.38	436																								

Lake ID	Lake Name	Date	Time	Secchi	Depth	Temp	DO	%DO	pH	SpCond	Smpl	Chla	Pheo-a	Silica	TP	SRP	TKN	TN	NO3NO2	Alk	Hard	Cl	As	Cd	Cu	Pb	Ni	Mn	Zn	E. Coli	Tot Al	Sol Al	Sulfate		
DNR		MMDDYY	HHMMSS	meters	meters	°C	mg/L		Units	µS/cm	Depth	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	# colonies/ 100mL	µg/L	µg/L	mg/L			
27-0016	Harriet	70506	141606		20	5.93	0.17	1.4	7.03	584	20				0.134	0.109						92.7													
27-0016	Harriet	70506	141548		21	5.91	0.32	1.6	7.03	584																									
27-0016	Harriet	70506	141531		22	5.91	0.31	2.6	7.04	583																									
27-0016	Harriet	70506	141210		23	5.94	0.48	4	7.22	584																									
27-0016	Harriet	70506	141121		24	5.91	0.82	6.7	7.31	585																									
27-0016	Harriet	72106	113628	2.14	0	25.5	7.98	99.5	8.68	527	0-2	11.5	1.8		0.022	<0.003		0.549																	
27-0016	Harriet	72106	113552		1	25.5	8.2	102	8.67	528																									
27-0016	Harriet	72106	113516		2	25.5	8.06	100	8.66	527																									
27-0016	Harriet	72106	113434		3	25.5	7.91	98.6	8.62	527																									
27-0016	Harriet	72106	113351		4	25.4	8.1	101	8.49	527																									
27-0016	Harriet	72106	113317		5	22.7	5.6	66.2	7.88	544																									
27-0016	Harriet	72106	113236		6	16.9	1.13	11.9	7.11	572	6				0.02	0.004																			
27-0016	Harriet	72106	113202		7	13.5	0.03	0.3	7.04	578																									
27-0016	Harriet	72106	113114		8	10.3	0.15	1.4	6.97	584																									
27-0016	Harriet	72106	113025		9	8.86	0.15	1.3	6.92	587																									
27-0016	Harriet	72106	112938		10	8.1	0.23	2	6.89	587																									
27-0016	Harriet	72106	112803		11	7.18	0.25	2.1	6.83	584																									
27-0016	Harriet	72106	112638		12	6.83	0.17	1.4	6.8	584	12				0.084	0.068																			
27-0016	Harriet	72106	112526		13	6.6	0.22	1.8	6.78	583																									
27-0016	Harriet	72106	112430		14	6.35	0.29	2.4	6.77	584																									
27-0016	Harriet	72106	112338		15	6.28	0.21	1.7	6.76	584	15				0.122	0.114																			
27-0016	Harriet	72106	112239		16	6.22	0.29	2.4	6.75	584																									
27-0016	Harriet	72106	112113		17	6.1	0.31	2.6	6.74	585																									
27-0016	Harriet	72106	112025		18	6.08	0.05	0.4	6.74	585																									
27-0016	Harriet	72106	111938		19	6.07	0.3	2.5	6.75	585																									
27-0016	Harriet	72106	111838		20	6.07	0.27	2.3	6.75	585	20				0.147	0.134																			
27-0016	Harriet	72106	111745		21	6.05	0.13	1.1	6.76	585																									
27-0016	Harriet	72106	111655		22	6.08	0.12	1	6.77	585																									
27-0016	Harriet	72106	111502		23	6.04	0.41	3.4	6.83	586																									
27-0016	Harriet	72106	111327		24	6.24	0.81	6.7	6.97	583																									
27-0016	Harriet	73106	93230	2.34	0	28.3	7.81	104	8.51	524	0-2	4.19	<0.500	0.843	0.023	0.003		0.577																	
27-0016	Harriet	73106	93155		1	28.3	7.74	103	8.5	525																									
27-0016	Harriet	73106	93117		2	28.3	7.76	103	8.49	525																									
27-0016	Harriet	73106	93045		3	28.3	7.8	104	8.45	525																									
27-0016	Harriet	73106	92950		4	26.5	7.58	98.2	8.26	526																									
27-0016	Harriet	73106	92846		5	23.4	3.45	42.1	7.15	542																									
27-0016	Harriet	73106	92715		6	18.0	0.2	2.2	6.77	574	6				0.028	<0.003																			
27-0016	Harriet	73106	92619		7	14.0	0.04	0.4	6.7	581																									
27-0016	Harriet	73106	92514		8	11.6	0.19	1.8	6.62	581																									
27-0016	Harriet	73106	92330		9	9.52	0	0	6.5	587																									
27-0016	Harriet	73106	92220		10	8.44	0	0	6.43	587																									
27-0016	Harriet	73106	92129		11	7.62	0.19	1.7	6.39	588																									
27-0016	Harriet	73106	92031		12	6.77	0.01	0.1	6.35	586	12				0.078	0.05																			
27-0016	Harriet	73106	91904		13	6.54	0.03	0.3	6.33	585																									
27-0016	Harriet	73106	91818		14	6.41	0.23	1.9	6.32	586																									
27-0016	Harriet	73106	91654		15	6.32	0.13	1.1	6.3	586	15				0.14	0.116																			
27-0016	Harriet	73106	91448		16	6.3	0.06	0.5	6.29	586																									
27-0016	Harriet	73106	91326		17	6.26	0.03	0.2	6.27	587																									
27-0016	Harriet	73106	91208		18	6.2	0.25	2.1	6.26	587																									
27-0016	Harriet	73106	91119		19	6.18	0.04	0.3	6.24	587																									
27-0016	Harriet	73106	90938		20	6.17	0.04	0.3	6.22	587	20				0.162	0.139																			
27-0016	Harriet	73106	90802		21	6.15	0.04	0.3	6.19	588																									
27-0016	Harriet	73106	90641		22	6.14	0.1	0.9	6.15	588																									
27-0016	Harriet	73106	90552		23	6.16	0.24	2	6.09	588																									
27-0016	Harriet	73106	90402		24	6.3	0.26	2.1	5.93	623																									
27-0016	Harriet	81506	114316	1.30	0	25.4	8.14	101	8.85	517	0-2	13.4	1		0.03	0.003		0.733																	
27-0016	Harriet	81506	114253		1	24.6	8.16	100	8.86	516																									
27-0016	Harriet	81506	114228		2	24.4	7.99	97.8	8.82	516																									
27-0016	Harriet	81506	114150		3	24.5	7.8	95.6	8.77	516																									
27-0016	Harriet	81506																																	

Lake ID	Lake Name	Date	Time	Secchi	Depth	Temp	DO	%DO	pH	SpCond	Smpl	Chla	Pheo-a	Silica	TP	SRP	TKN	TN	NO3NO2	Alk	Hard	Cl	As	Cd	Cu	Pb	Ni	Mn	Zn	E. Coli	Tot Al	Sol Al	Sulfate	
DNR		MMDDYY	HHMMSS	meters	meters	°C	mg/L		Units	µS/cm	Depth	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	# colonies/ 100mL	µg/L	µg/L	mg/L		
27-0016	Harriet	81506	113202		23	6.23	0.62	5.1	7.06	591																								
27-0016	Harriet	81506	113138		24	6.57	0.6	5	7.09	586																								
27-0016	Harriet	90706	131320	1.64	0	23.0	9.22	110	8.86	515	0-2	3.7	<1.0	0.940	0.022	<0.003		0.575																
27-0016	Harriet	90706	131243		1	23.0	9.22	110	8.83	513																								
27-0016	Harriet	90706	131207		2	22.6	9.18	109	8.75	514																								
27-0016	Harriet	90706	131130		3	22.2	8.04	94.5	8.57	513																								
27-0016	Harriet	90706	131101		4	22.0	7.56	88.8	8.45	515																								
27-0016	Harriet	90706	131034		5	21.9	7.04	82.3	8.29	516																								
27-0016	Harriet	90706	130958		6	21	3.16	36.3	7.44	526	6				0.019	<0.003																		
27-0016	Harriet	90706	130928		7	16.9	0.24	2.5	7.12	581																								
27-0016	Harriet	90706	130855		8	12.4	0.13	1.3	7.04	587																								
27-0016	Harriet	90706	130820		9	9.73	0.07	0.7	6.97	591																								
27-0016	Harriet	90706	130744		10	8.79	0.3	2.6	6.92	591																								
27-0016	Harriet	90706	130706		11	7.82	0.08	0.7	6.88	592																								
27-0016	Harriet	90706	130625		12	7.25	0.18	1.5	6.89	591	12				0.110	0.081																		
27-0016	Harriet	90706	130604		13	6.98	0.31	2.6	6.84	591																								
27-0016	Harriet	90706	130531		14	6.76	0.32	2.6	6.86	591																								
27-0016	Harriet	90706	130508		15	6.62	0.36	3	6.85	592	15				0.168	0.112																		
27-0016	Harriet	90706	130448		16	6.53	0.35	2.9	6.83	592																								
27-0016	Harriet	90706	130428		17	6.46	0.69	5.8	6.84	593																								
27-0016	Harriet	90706	130350		18	6.42	0.51	4.3	6.85	593																								
27-0016	Harriet	90706	130307		19	6.57	0.48	4	6.87	591																								
27-0016	Harriet	90706	130232		20	6.43	0.54	4.5	6.88	594	20				0.212	0.181																		
27-0016	Harriet	90706	130208		21	6.41	0.58	4.8	6.9	596																								
27-0016	Harriet	90706	130144		22	6.42	0.59	4.9	6.91	594																								
27-0016	Harriet	90706	130113		23	6.48	0.81	6.8	6.96	597																								
27-0016	Harriet	92606	91556	3.03	0	15.8	8.57	88.7	8.19	531	0-2	3.75	1		0.016	<0.003		0.512																
27-0016	Harriet	92606	91531		1	15.8	8.53	88.3	8.19	530																								
27-0016	Harriet	92606	91502		2	15.8	8.52	88.1	8.18	531																								
27-0016	Harriet	92606	91428		3	15.8	8.56	88.5	8.16	530																								
27-0016	Harriet	92606	91331		4	15.8	8.48	87.7	8.09	530																								
27-0016	Harriet	92606	91254		5	15.8	8.45	87.4	8.05	531																								
27-0016	Harriet	92606	91216		6	15.7	8.52	88.1	7.99	531	6				0.018	<0.003																		
27-0016	Harriet	92606	91135		7	15.7	8.19	83.6	7.89	531																								
27-0016	Harriet	92606	91025		8	15.1	5.85	59.7	7.4	540																								
27-0016	Harriet	92606	90914		9	11.8	0.19	1.8	6.92	588																								
27-0016	Harriet	92606	90822		10	8.73	0.23	2	6.85	594																								
27-0016	Harriet	92606	90751		11	7.92	0.11	1	6.83	596																								
27-0016	Harriet	92606	90717		12	7.46	0.08	0.7	6.82	594	12				0.108	0.079																		
27-0016	Harriet	92606	90631		13	6.98	0.13	1.1	6.79	594																								
27-0016	Harriet	92606	90545		14	6.82	0.26	2.2	6.76	594																								
27-0016	Harriet	92606	90454		15	6.65	0.28	2.4	6.72	596	15				0.151	0.115																		
27-0016	Harriet	92606	90417		16	6.59	0.27	2.3	6.72	595																								
27-0016	Harriet	92606	90340		17	6.52	0.3	2.5	6.7	596																								
27-0016	Harriet	92606	90256		18	6.51	0.32	2.7	6.69	595																								
27-0016	Harriet	92606	90209		19	6.45	0.16	1.3	6.68	598																								
27-0016	Harriet	92606	90135		20	6.45	0.27	2.3	6.65	597	20				0.228	0.202																		
27-0016	Harriet	92606	90053		21	6.43	0.39	3.3	6.64	596																								
27-0016	Harriet	92606	85952		22	6.43	0.43	3.6	6.61	599																								
27-0016	Harriet	92606	85905		23	6.45	0.39	3.3	6.59	601																								
27-0016	Harriet	92606	85829		24	6.41	0.38	3.2	6.59	603																								
27-0016	Harriet	102306	113459	3.60	0	8.75	7.81	68.5	7.66	553	0-2	4.59	1.9	0.897	0.029	0.007	0.769	0.745	<0.030	90	136	106								9.5	6.6			
27-0016	Harriet	102306	113433		1	8.76	7.73	67.9	7.66	553																								
27-0016	Harriet	102306	113400		2	8.77	7.76	68.1	7.67	554																								
27-0016	Harriet	102306	113337		3	8.76	7.69	67.5	7.67	554																								
27-0016	Harriet	102306	113309		4	8.76	7.63	67	7.65	554																								
27-0016	Harriet	102306	113242		5	8.76	7.74	68	7.63	553																								
27-0016	Harriet	102306	113205		6	8.76	7.68	67.4	7.63	553	6				0.028	0.007														7.4	7.0			
27-0016	Harriet	102306	113136		7	8.76	7.75	68.1	7.61	554																								
27-0016	Harriet	102306	113105		8	8.74	7.58	66.5	7.61	553																								
27-0016	Harriet	102306	113038		9	8.72	7.66	67.2	7.6																									

Lake ID	Lake Name	Date	Time	Secchi	Depth	Temp	DO	%DO	pH	SpCond	Smpl	Chla	Pheo-a	Silica	TP	SRP	TKN	TN	NO3NO2	Alk	Hard	Cl	As	Cd	Cu	Pb	Ni	Mn	Zn	E. Coli	Tot Al	Sol Al	Sulfate		
DNR		MMDDYY	HHMMSS	meters	meters	°C	mg/L		Units	µS/cm	Depth	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	# colonies/ 100mL	µg/L	µg/L	mg/L			
27-0018	Hiawatha	42006	9:55:33		3	13.3	9.18	90.5	7.51	479																									
27-0018	Hiawatha	42006	9:54:51		4	13.1	8.92	87.7	7.48	471	4					0.049	<0.003						80												
27-0018	Hiawatha	42006	9:53:54		5	12.2	5.17	49.8	7.13	615																									
27-0018	Hiawatha	51606	11:03:51	1.74	0	13.8	9.39	92.7	7.65	490	0-2	5.65	1.8	3.38	0.039	<0.003		0.643																	
27-0018	Hiawatha	51606	11:02:28		1	13.6	9.4	92.4	7.62	491																									
27-0018	Hiawatha	51606	11:01:29		2	13.1	9.42	91.6	7.58	492																									
27-0018	Hiawatha	51606	11:00:15		3	13.0	9.16	88.8	7.49	492																									
27-0018	Hiawatha	51606	10:57:37		4	12.4	8.83	84.7	7.33	498	4					0.031	0.003																		
27-0018	Hiawatha	51606	10:55:56		5	12.1	7.64	72.6	7.19	503																									
27-0018	Hiawatha	52306	10:27:28	1.59	0	16.4	9.37	97.7	7.89	456	0-2	4.16	1.95		0.034	<0.003		0.648																	
27-0018	Hiawatha	52306	10:26:47		1	16.3	9.29	96.6	7.84	456																									
27-0018	Hiawatha	52306	10:25:56		2	16.1	9.05	93.7	7.76	454																									
27-0018	Hiawatha	52306	10:25:05		3	15.8	8.61	88.6	7.71	454																									
27-0018	Hiawatha	52306	10:24:28		4	15.8	8.42	86.6	7.68	455	4					0.036	<0.003																		
27-0018	Hiawatha	52306	10:23:35		5	15.0	6.42	65	7.52	460																									
27-0018	Hiawatha	52306	10:22:43		6	12.8	4.52	43.5	7.46	501																									
27-0018	Hiawatha	52306	10:21:38		7	11.2	2.83	26.3	7.44	575																									
27-0018	Hiawatha	52306	10:20:28		8	9.9	0.59	5.3	7.34	857																									
27-0018	Hiawatha	60906	102417	1.45	0	23.7	5.04	60.7	7.58	436	0-2	3.4	4	2.33	0.06	0.015		0.833																	
27-0018	Hiawatha	60906	102325		1	23.7	4.73	57	7.54	436																									
27-0018	Hiawatha	60906	102253		2	23.7	4.89	58.9	7.52	437																									
27-0018	Hiawatha	60906	102214		3	23.7	4.94	59.5	7.46	436																									
27-0018	Hiawatha	60906	102133		4	23.5	4.16	50	7.33	440	4					0.064	0.014																		
27-0018	Hiawatha	60906	102054		5	19.0	0.31	3.4	7.11	497																									
27-0018	Hiawatha	60906	102019		6	12.8	0.44	4.3	7.12	547																									
27-0018	Hiawatha	60906	101941		7	10.4	0.49	4.5	7.08	722																									
27-0018	Hiawatha	60906	101914		8	9.56	0.63	5.7	7.06	879																									
27-0018	Hiawatha	62206	101451	1.58	0	23.1	4.34	51.9	7.41	448	0-2	3.21	2.2		0.079	0.051		0.888																	
27-0018	Hiawatha	62206	101404		1	23.0	4.01	47.9	7.38	448																									
27-0018	Hiawatha	62206	101253		2	22.8	4.09	48.6	7.38	455																									
27-0018	Hiawatha	62206	101137		3	22.7	4.2	49.8	7.35	456																									
27-0018	Hiawatha	62206	101039		4	22.6	3.53	41.8	7.28	456	4					0.086	0.048																		
27-0018	Hiawatha	62206	100954		5	20.4	0.23	2.6	7.17	451																									
27-0018	Hiawatha	62206	100905		6	14.6	0.32	3.2	7.16	552																									
27-0018	Hiawatha	62206	100832		7	11.1	0.41	4.4	7.12	710																									
27-0018	Hiawatha	62206	100800		8	9.54	0.65	5.8	7.03	978																									
27-0018	Hiawatha	62206	100729		9	9.15	0.91	8.1	7	1088																									
27-0018	Hiawatha	70706	93245	1.55	0	24.4	8.89	108	7.91	489	0-2	5.36	2.6	3.4	0.059	0.003	0.795	0.824	<0.030	129	152	113													
27-0018	Hiawatha	70706	93209		1	24.4	8.86	108	7.77	488																									
27-0018	Hiawatha	70706	93139		2	24.3	7.73	93.8	7.45	490																									
27-0018	Hiawatha	70706	93058		3	23.7	3.72	44.6	6.87	492																									
27-0018	Hiawatha	70706	92955		4	23.2	0.19	2.2	6.65	494	4					0.091	0.026							98.2											
27-0018	Hiawatha	70706	92900		5	20.2	0.24	2.7	6.51	501																									
27-0018	Hiawatha	70706	92810		6	15.1	0.59	5.9	6.49	560																									
27-0018	Hiawatha	71806	95934	1.17	0	26.8	5.95	76	8.08	511	0-2	18.6	4.4		0.058	<0.003		0.903																	
27-0018	Hiawatha	71806	95900		1	26.7	6.16	78.5	8.08	511																									
27-0018	Hiawatha	71806	95801		2	26.6	5.81	73.8	7.88	509																									
27-0018	Hiawatha	71806	95714		3	25.7	0.72	9	7.19	520																									
27-0018	Hiawatha	71806	95622		4	23.4	0.13	1.6	7.02	544	4					0.092	0.012																		
27-0018	Hiawatha	71806	95540		5	20.9	0.29	3.3	6.92	570																									
27-0018	Hiawatha	71806	95506		6	15.4	0.27	2.7	7.03	614																									
27-0018	Hiawatha	71806	95432		7	11.5	0.26	2.4	6.99	831																									
27-0018	Hiawatha	71806	95348		8	10.48	0.67	6.2	6.93	1069																									
27-0018	Hiawatha	80406	140225	0.92	0	26.2	9.24	117	8.24	351	0-2	41.5	3.9	4.38	0.08	0.004		0.834																	
27-0018	Hiawatha	80406	140154		1	26.2	9.36	118	8.26	348																									
27-0018	Hiawatha	80406	140115		2	25.9	8.64	108	7.92	347																									
27-0018	Hiawatha	80406	140024		3	25.2	4.29	53.2	7.16	348																									
27-0018	Hiawatha	80406	135946		4	24.9	2	24.7	7.07	349	4					0.087	0.017																	<20.0	
27-0018	Hiawatha	80406	135900		5	24.6	0																												

Lake ID	Lake Name	Date	Time	Secchi	Depth	Temp	DO	%DO	pH	SpCond	Smpl	Chla	Pheo-a	Silica	TP	SRP	TKN	TN	NO3NO2	Alk	Hard	Cl	As	Cd	Cu	Pb	Ni	Mn	Zn	E. Coli	Tot Al	Soil Al	Sulfate		
DNR		MMDDYY	HHMMSS	meters	meters	°C	mg/L		Units	µS/cm	Depth	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	# colonies/ 100mL	µg/L	µg/L	mg/L			
27-0655	Loring	52406	93207	0.93	0	18.9	9.16	103	7.77	1635	0-2	17.4	10.5		0.102	0.003		1.23																	
27-0655	Loring	52406	93120		1	18.9	9.07	101	7.71	1633																									
27-0655	Loring	52406	93031		2	18.8	8.91	99.5	7.53	1635																									
27-0655	Loring	52406	92943		3	18.5	8.06	89.3	7.22	1637																									
27-0655	Loring	52406	92837		4	17.2	5.17	55.9	6.98	1632	4					0.11	<0.003																		
27-0655	Loring	60806	140835	0.55	0	25.8	7.2	90.6	7.68	1683	0-2	21.7	11.9	6.355	0.135	0.013		1.24																	
27-0655	Loring	60806	140746		1	25.6	6.44	80.6	7.52	1681																									
27-0655	Loring	60806	140657		2	24.9	4.77	59	7.36	1680																									
27-0655	Loring	60806	140612		3	24.7	4.14	50.9	7.29	1680																									
27-0655	Loring	60806	140524		4	24.3	0.72	8.9	7.17	1679	4					0.128	0.018																		
27-0655	Loring	62306	92405	0.78	0	23.9	8.08	97.9	8.16	1481	0-2	31.6	6		0.101	0.003		0.937																	
27-0655	Loring	62306	92326		1	23.9	7.98	96.6	8.11	1482																									
27-0655	Loring	62306	92237		2	23.9	7.83	94.9	8.04	1482																									
27-0655	Loring	62306	92138		3	23.8	7.23	87.4	7.76	1481																									
27-0655	Loring	62306	92054		4	23.7	4.54	54.8	7.16	1485	4					0.124	0.008																		
27-0655	Loring	70706	111909	0.53	0	26.1	8.18	103	8.16	1474	0-2	4.65	2.2	5.36	0.107	<0.003	1.3	1.2	<0.030	126	228	450													
27-0655	Loring	70706	111837		1	26.0	8.03	101	8.15	1474																									
27-0655	Loring	70706	111753		2	25.9	7.54	94.5	8.08	1473																									
27-0655	Loring	70706	111718		3	25.7	6.79	84.9	7.97	1475																									
27-0655	Loring	70706	111642		4	25.7	6.59	82.2	7.93	1475	4					0.108	0.004																		
27-0655	Loring	71806	121432	0.43	0	28.3	8.88	117	8.42	1600	0-2	33.9	6.3		0.114	<0.003																			
27-0655	Loring	71806	121354		1	27.8	8.23	107	8.3	1603																									
27-0655	Loring	71806	121322		2	27.6	6.97	90.5	8.14	1603																									
27-0655	Loring	71806	121254		3	27.4	6.12	79.3	7.99	1607																									
27-0655	Loring	71806	121226		4	27.4	5.34	69	7.86	1607	4					0.121	0.025																		
27-0655	Loring	80406	90456	0.48	0	27.6	7.28	94.5	8.13	1379	0-2	33	13.6	6.4	0.096	<0.003		0.986																	
27-0655	Loring	80406	90424		1	27.6	7.18	93.1	8.09	1380																									
27-0655	Loring	80406	90340		2	27.5	7.06	91.6	8.06	1379																									
27-0655	Loring	80406	90301		3	27.5	6.8	88.2	7.98	1381																									
27-0655	Loring	80406	90232		4	27.4	7.12	92.2	7.98	1382	4					0.102	<0.003																		
27-0655	Loring	81806	104216	0.49	0	24.2	7.44	90.9	8.2	1412	0-2	30.2	8.1		0.098	<0.003		1.14																	
27-0655	Loring	81806	104152		1	24.2	7.41	90.7	8.16	1412																									
27-0655	Loring	81806	104105		2	24.2	7.2	88	8.15	1413																									
27-0655	Loring	81806	104031		3	24.2	7.44	90.9	8.12	1411																									
27-0655	Loring	81806	103957		4	24.1	7.47	91.3	8.12	1413	4					0.093	<0.003																		
27-0655	Loring	91106	140109	0.59	0	18.4	9.31	101	8.5	1355	0-2	34.6	9.4	7.04	0.089	0.003		1.11																	
27-0655	Loring	91106	140041		1	18.4	9.31	101	8.46	1355																									
27-0655	Loring	91106	140000		2	18.4	9.21	100	8.47	1357																									
27-0655	Loring	91106	135924		3	18.4	9.11	98.9	8.41	1355																									
27-0655	Loring	91106	135846		4	18.4	8.77	95.2	8.36	1356	4					0.090	<0.003																		
27-0655	Loring	92806	111446	0.54	0	15.1	13.3	136	8.6	1407	0-2	14.4	3.6		0.071	<0.003		0.948																	
27-0655	Loring	92806	111410		1	15.1	13.6	138	8.59	1406																									
27-0655	Loring	92806	111248		2	15.1	12.2	124	8.56	1404																									
27-0655	Loring	92806	111154		3	15.1	12.5	127	8.54	1405																									
27-0655	Loring	92806	111111		4	15.0	12.9	131	8.48	1406	4					0.073	<0.003																		
27-0655	Loring	101806	131131	0.91	0	8.55	11.3	99.7	8.09	1357	0-2	15.6	3.2	6.09	0.060	<0.003	1.24	0.752	<0.030	142	240	304													
27-0655	Loring	101806	131109		1	8.56	11.0	96.7	8.07	1357																									
27-0655	Loring	101806	131036		2	8.54	11.1	98.2	8.07	1358																									
27-0655	Loring	101806	130957		3	8.54	11.3	99.6	8.03	1358																									
27-0655	Loring	101806	130920		4	8.48	12.0	106	7.98	1360	4					0.059	<0.003																		
27-0019	Nokomis	41806	110656	0.87	0	12.6	11.3	110	8.44	444	0-2	18.1	2.84	8.484	0.025	<0.003	1.17	0.984	0.102	111	112	80													
27-0019	Nokomis	41806	110638		1	12.6	11.3	110	8.75	441																									
27-0019	Nokomis	41806	110611		2	12.5	11.3	109	8.66	443																									
27-0019	Nokomis	41806	110541		3	12.3	11.1	106	8.57	441																									
27-0019	Nokomis	41806	110459		4	12.3	9.64	92.5	8.4	442	4					0.04	<0.003																		
27-0019	Nokomis	41806	110423		5	11.7	8.14	77.1	8.18	447																									
27-0019	Nokomis	41806	110353		6	11.3	7.84	73.6	8.11	447																									
27-0019	Nokomis	41806	110239		7	9.49	6.49	58.3	7.99	445																									

Lake ID	Lake Name	Date	Time	Secchi	Depth	Temp	DO	%DO	pH	SpCond	Smpl	Chla	Pheo-a	Silica	TP	SRP	TKN	TN	NO3NO2	Alk	Hard	Cl	As	Cd	Cu	Pb	Ni	Mn	Zn	E. Coli	Tot Al	Sol Al	Sulfate		
DNR		MMDDYY	HMMSS	meters	meters	°C	mg/L		Units	µS/cm	Depth	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	# colonies/ 100mL	µg/L	µg/L	mg/L			
27-0019	Nokomis	52306	92310		1	16.6	10.4	108	8.38	452																									
27-0019	Nokomis	52306	92221		2	16.4	10.2	107	8.32	451																									
27-0019	Nokomis	52306	92154		3	15.7	9.78	100	8.23	451																									
27-0019	Nokomis	52306	92115		4	15.3	8.36	85.1	8.04	454	4				0.056	<0.003																			
27-0019	Nokomis	52306	92044		5	15.2	7.34	74.7	7.87	456																									
27-0019	Nokomis	52306	91948		6	15.1	6.04	61.2	7.66	457																									
27-0019	Nokomis	52306	91905		7	14.5	2.32	23.2	7.47	460	7				0.079	<0.003																			
27-0019	Nokomis	52306	91815		8	14.3	0.54	5.3	7.44	465																									
27-0019	Nokomis	60706	142007	2.34	0	24.9	9.65	119	8.38	470	0-2	12.6	1.7	7.061	0.038	0.004			0.789																
27-0019	Nokomis	60706	141941		1	24.8	9.73	120	8.37	470																									
27-0019	Nokomis	60706	141856		2	24.6	9.59	118	8.31	470																									
27-0019	Nokomis	60706	141837		3	24.3	9.40	115	8.27	470																									
27-0019	Nokomis	60706	141752		4	23.2	4.85	58.2	7.58	481	4				0.054	0.011																			
27-0019	Nokomis	60706	141658		5	18.8	0.44	4.8	7.26	482																									
27-0019	Nokomis	60706	141619		6	15.8	0.42	4.4	7.25	476																									
27-0019	Nokomis	60706	141554		7	14.5	0.33	3.4	7.22	483	7				0.071	0.017																			
27-0019	Nokomis	60706	141455		8	14.1	0.77	7.7	7.26	496																									
27-0019	Nokomis	62106	134400	0.94	0	24.3	10.2	126	8.61	454	0-2	24.2	3.4		0.047	<0.003			0.824																
27-0019	Nokomis	62106	134339		1	24.3	10.1	124	8.61	454																									
27-0019	Nokomis	62106	134310		2	24.3	10.0	124	8.59	454																									
27-0019	Nokomis	62106	134231		3	24.2	9.79	121	8.55	455																									
27-0019	Nokomis	62106	134124		4	22.5	0.32	3.9	7.41	472	4				0.06	<0.003																			
27-0019	Nokomis	62106	134053		5	21.8	0.35	4.1	7.4	478																									
27-0019	Nokomis	62106	134016		6	20.0	0.33	3.7	7.38	482																									
27-0019	Nokomis	62106	133953		7	15.6	0.49	5	7.34	495	7				0.112	0.032																			
27-0019	Nokomis	62106	133925		8	13.9	0.63	6.3	7.29	524																									
27-0019	Nokomis	70606	102051	0.81	0	25.4	7.72	95.4	8.3	446	0-2	23.9	2.5	8.1	0.057	0.003	1.38	1.15	<0.030	93	107	58.2													
27-0019	Nokomis	70606	102014		1	24.9	7.82	95.8	8.28	445																									
27-0019	Nokomis	70606	101945		2	24.7	7.32	89.5	8.18	447																									
27-0019	Nokomis	70606	101832		3	24.6	6.85	83.5	7.88	447																									
27-0019	Nokomis	70606	101739		4	23.0	0.24	2.9	7.15	476	4				0.075	0.004																			
27-0019	Nokomis	70606	101647		5	22.2	0.31	3.6	7.11	481																									
27-0019	Nokomis	70606	101609		6	19.9	0.38	4.3	7.07	493																									
27-0019	Nokomis	70606	101531		7	15.7	0.61	6.3	6.91	521	7				0.216	0.078							64.1												
27-0019	Nokomis	70606	101454		8	14.2	0.98	9.7	6.82	557																									
27-0019	Nokomis	71706	132829	0.70	0	27.8	8.46	111	8.35	426	0-2	39.8	1.6		0.067	0.004			1.24																
27-0019	Nokomis	71706	132759		1	27.7	8.25	108	8.27	427																									
27-0019	Nokomis	71706	132728		2	27.2	7.72	100	8	428																									
27-0019	Nokomis	71706	132701		3	26.9	7.02	90.4	7.64	429																									
27-0019	Nokomis	71706	132622		4	25.3	0.23	2.9	6.98	449	4				0.079	0.005																			
27-0019	Nokomis	71706	132525		5	23.6	0.29	3.5	6.93	467																									
27-0019	Nokomis	71706	132447		6	19.2	0.38	4.2	6.84	496																									
27-0019	Nokomis	71706	132411		7	16.7	0.42	4.4	6.77	522	7				0.482	0.068																			
27-0019	Nokomis	73106	114331	0.45	0	28.6	8.1	109	8.35	408	0-2	58.4	1.2	9.29	0.052	<0.003			1.36																
27-0019	Nokomis	73106	114254		1	28.6	7.98	107	8.29	408																									
27-0019	Nokomis	73106	114216		2	28.1	5.83	78	7.86	414																									
27-0019	Nokomis	73106	114135		3	27.7	4.5	59.3	7.5	421																									
27-0019	Nokomis	73106	114043		4	25.3	0.19	2.5	6.96	458	4				0.089	<0.003																			
27-0019	Nokomis	73106	114011		5	24.3	0.14	1.8	6.89	464																									
27-0019	Nokomis	73106	113938		6	20.7	0.29	3.4	6.74	500																									
27-0019	Nokomis	73106	113855		7	17.3	0.28	3	6.6	545	7				0.517	0.048																			<20.0
27-0019	Nokomis	73106	113807		8	16.4	0.48	5	6.6	566																									
27-0019	Nokomis	81506	133257	0.55	0	26.7	10.4	133	8.91	400	0-2	84.8	2.9		0.071	0.004			2.1																
27-0019	Nokomis	81506	133221		1	24.6	7.52	92.4	8.56	400																									
27-0019	Nokomis	81506	133138		2	24.5	6.17	75.7	8.24	402																									
27-0019	Nokomis	81506	133103		3	24.5	6.24	76.4	8.18	402																									
27-0019	Nokomis	81506	133029		4	24.4	6.21	76	8.08	402	4				0.068	0.004																			
27-0019	Nokomis	81506	133003		5	24.4	5.82	71.1	7.91	402																									
27-0019	Nokomis	81506	132934		6	22.7	0.47	5.6	7.13	443																									

Lake ID	Lake Name	Date	Time	Secchi	Depth	Temp	DO	%DO	pH	SpCond	Smpl	Chla	Pheo-a	Silica	TP	SRP	TKN	TN	NO3NO2	Alk	Hard	Cl	As	Cd	Cu	Pb	Ni	Mn	Zn	E. Coli	Tot Al	Sol Al	Sulfate			
DNR		MMDDYY	HHMMSS	meters	meters	°C	mg/L		Units	µS/cm	Depth	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	# colonies/ 100mL	µg/L	µg/L	mg/L				
27-0019	Nokomis	92706	105821		4	16.0	8.22	84.9	8.21	416	4					0.101	<0.003																			
27-0019	Nokomis	92706	105748		5	15.9	8.16	84.2	8.22	417																										
27-0019	Nokomis	92706	105658		6	15.9	8.37	86.3	8.21	416																										
27-0019	Nokomis	92706			7						7					0.086	0.016																			
27-0019	Nokomis	102306	103807	0.67	0	7.12	9.32	78.6	8.14	440	0-2	27.2	3.0	12.1	0.087	<0.003	1.7	1.27	0.095	100	140	61.3														
27-0019	Nokomis	102306	103742		1	7.11	9.28	78.2	8.15	439																										
27-0019	Nokomis	102306	103714		2	7.1	9.37	79	8.12	440																										
27-0019	Nokomis	102306	103645		3	7.13	9.38	79.1	8.12	440																										
27-0019	Nokomis	102306	103611		4	7.13	9.3	78.4	8.13	440	4					0.081	<0.003																			
27-0019	Nokomis	102306	103537		5	7.08	9.26	78	8.11	439																										
27-0019	Nokomis	102306	103502		6	7.09	9.36	78.8	8.12	440																										
27-0019	Nokomis	102306	103418		7	7.06	9.43	79.4	8.07	440	7					0.078	<0.003																			
27-0019	Nokomis	102306	103347		8	7.08	9.24	77.8	8.02	441																										
27-0014	Powderhorn	22206	120151		0	0.64	9.36	67.2	7.26	542	0-2	16.5	7.4		0.083	<0.003		1.53																		
27-0014	Powderhorn	22206	120055		1	3.06	8.58	65.9	7.21	556																										
27-0014	Powderhorn	22206	115950		2	4	3.53	27.8	7.13	815																										
27-0014	Powderhorn	22206	115850		3	4.09	1.17	9.3	7.07	1237																										
27-0014	Powderhorn	22206	115757		4	4.06	0.93	7.4	7.08	1412	4					0.059	0.017																			
27-0014	Powderhorn	41906	105936	1.60	0	14.5	10.2	104	8.12	774	0-2	24.4	5.68	2.31	0.084	0.003	1.25	1.08	0.098	82	96	200										34.4	5.8			
27-0014	Powderhorn	41906	105815		1	14.6	10.2	104	8.14	774																										
27-0014	Powderhorn	41906	105658		2	14.5	10.4	106	8.17	774																										
27-0014	Powderhorn	41906	105545		3	14.4	10.0	101	8.1	774																										
27-0014	Powderhorn	41906	105416		4	14.4	9.95	101	8.09	774	4					0.085	0.003																34.4	5.1		
27-0014	Powderhorn	41906	105250		5	14.4	9.83	99.3	8.12	774																										
27-0014	Powderhorn	41906	105149		6	14.3	9.82	99.1	8.15	773	6					0.078	0.003																	20.3	6.8	
27-0014	Powderhorn	41906	105030		7	14.3	9.49	95.7	8.18	774																										
27-0014	Powderhorn	51506	110110	1.14	0	14	8.25	81.5	7.64	633	0-2	28.1	7.3	1.78	0.075	0.004		1.12																		
27-0014	Powderhorn	51506	110017		1	14.1	8.45	83.6	7.65	633																										
27-0014	Powderhorn	51506	105849		2	13.9	7.67	75.5	7.64	633																										
27-0014	Powderhorn	51506	105754		3	13.9	7.68	75.6	7.65	633																										
27-0014	Powderhorn	51506	105655		4	13.9	7.57	74.5	7.7	633	4					0.085	0.004																			
27-0014	Powderhorn	51506	105555		5	13.8	7.51	73.9	7.73	633																										
27-0014	Powderhorn	51506	105446		6	13.8	7.48	73.5	7.8	632	6					0.091	0.004																			
27-0014	Powderhorn	52306	135848	1.19	0	18.2	9.96	108	7.79	641	0-2	27.4	5.9		0.073	0.003		0.856																		
27-0014	Powderhorn	52306	135805		1	18	9.69	105	7.74	642																										
27-0014	Powderhorn	52306	135704		2	17.7	8.98	96.3	7.68	642																										
27-0014	Powderhorn	52306	135514		3	17.5	8.43	90.1	7.61	642																										
27-0014	Powderhorn	52306	135410		4	17.5	8.29	88.4	7.66	641	4					0.1	0.003																			
27-0014	Powderhorn	52306	135317		5	17.4	8.02	85.4	7.69	641																										
27-0014	Powderhorn	52306	135230		6	17.4	7.93	84.4	7.71	641	6					0.089	0.003																			
27-0014	Powderhorn	60806	123804	1.15	0	26.2	8.23	104	7.55	688	0-2	26.7	4.5	2.728	0.101	0.008		1.23																36.1	27.8	
27-0014	Powderhorn	60806	123641		1	26.1	8.12	102	7.47	688																										
27-0014	Powderhorn	60806	123534		2	25.6	6.15	76.8	7.25	687																										
27-0014	Powderhorn	60806	123411		3	25.5	5.98	74.6	7.21	687																										
27-0014	Powderhorn	60806	123310		4	25.4	6.04	75.1	7.19	688	4					0.107	0.012																		37.4	23.8
27-0014	Powderhorn	60806	123220		5	25.4	6	74.6	7.14	688																										
27-0014	Powderhorn	60806	123126		6	25.3	5.67	70.4	7.06	688	6					0.099	0.008																		46.8	28.6
27-0014	Powderhorn	62206	111028	1.05	0	24.2	6.98	85.2	7.52	585	0-2	52	4.3		0.12	0.024		1.43																		
27-0014	Powderhorn	62206	110945		1	24.2	6.94	84.8	7.5	585																										
27-0014	Powderhorn	62206	110858		2	24.2	6.96	85	7.54	586																										
27-0014	Powderhorn	62206	110818		3	24.2	6.93	84.6	7.5	585																										
27-0014	Powderhorn	62206	110736		4	24.2	6.74	82.3	7.49	585	4					0.126	0.031																			
27-0014	Powderhorn	62206	110657		5	24.2	6.58	80.2	7.49	585																										
27-0014	Powderhorn	62206	110610		6	24.2	6.51	79.5	7.5	586	6					0.139	0.033																			
27-0014	Powderhorn	62206	110536		7	24.1	6.03	73.5	7.51	586																										
27-0014	Powderhorn	70706	101327	0.84	0	25.6	6.38	79.3	7.87	562	0-2	15	1.7	2.7	0.108	0.093	1.24	1.12	<0.030	75	96	168														
27-0014	Powderhorn	70706	101300		1	25.6	6.42	79.8	7.88	562																										

Lake ID	Lake Name	Date	Time	Secchi	Depth	Temp	DO	%DO	pH	SpCond	Smpl	Chla	Pheo-a	Silica	TP	SRP	TKN	TN	NO3NO2	Alk	Hard	Cl	As	Cd	Cu	Pb	Ni	Mn	Zn	E. Coli	Tot Al	Sol Al	Sulfate				
DNR		MMDDYY	HHMMSS	meters	meters	°C	mg/L		Units	µS/cm	Depth	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	# colonies/ 100mL	µg/L	µg/L	mg/L				
27-0037	Wirth	52306	120106		4	12.6	8.13	78	7.68	748	4					0.036	<0.003																				
27-0037	Wirth	52306	120018		5	9.59	1.58	14.1	7.53	795																											
27-0037	Wirth	52306	120018		6	NA	NA	NA	NA	NA																											
27-0037	Wirth	52306	120018		7	NA	NA	NA	NA	NA	7					0.278	0.014																				
27-0037	Wirth	60606	121539	3.07	0	24.6	8.14	101	7.92	735	0-2	2.67	0.7	2.02	0.024	0.01			<0.500																		
27-0037	Wirth	60606	121505		1	24.5	8.07	100	7.89	736																											
27-0037	Wirth	60606	121339		2	24.4	7.98	98.8	7.66	735																											
27-0037	Wirth	60606	121311		3	19.1	8.04	89.8	7.41	762																											
27-0037	Wirth	60606	121223		4	14.6	6.43	65.4	7.11	765	4					0.031	0.008																				
27-0037	Wirth	60606	121137		5	10	0.57	5.2	6.81	834																											
27-0037	Wirth	60606	121102		6	7.08	0.57	4.8	6.71	1039																											
27-0037	Wirth	60606	121029		7	6.02	0.56	4.7	6.64	1248	7					0.7	0.018																				
27-0037	Wirth	62006	92309	2.76	0	23.1	10.1	121	8.32	678	0-2	15.9	2.4		0.036	0.005			<0.500																		
27-0037	Wirth	62006	92235		1	23.2	9.97	120	8.27	677																											
27-0037	Wirth	62006	92205		2	23.0	9.94	119	8.19	679																											
27-0037	Wirth	62006	92120		3	20.7	7.9	90.4	7.54	732																											
27-0037	Wirth	62006	92006		4	17.0	2.47	26.3	6.91	764	4					0.036	0.004																				
27-0037	Wirth	62006	91929		5	11.5	0.46	4.3	6.77	848																											
27-0037	Wirth	62006	91812		6	8.76	0.58	5.1	6.61	971																											
27-0037	Wirth	62006	91722		7	6.7	0.9	7.6	6.5	1229	7					0.677	0.014																				
27-0037	Wirth	70606	115722	1.91	0	25.4	9.4	117	8.57	679	0-2	1.86	<0.5	5.08	0.046	0.007	0.646	0.526	<0.030	128	196	107															
27-0037	Wirth	70606	115651		1	24.8	9.38	115	8.56	678																											
27-0037	Wirth	70606	115611		2	24.5	8.78	107	8.49	680																											
27-0037	Wirth	70606	115450		3	22.2	8.54	99.5	7.94	723																											
27-0037	Wirth	70606	115406		4	17.7	0.48	5.1	7.19	784	4					0.111	0.016																				
27-0037	Wirth	70606	115325		5	12.5	0.62	5.9	7.1	877																											
27-0037	Wirth	70606	115257		6	8.81	0.76	6.6	7	1065																											
27-0037	Wirth	70606	115217		7	7.06	1.2	10.1	6.95	1274	7					0.163	0.015						143														
27-0037	Wirth	71806	143649	2.23	0	28.6	6.76	89.1	8.25	709	0-2	11.2	0.6		0.038	0.005			0.655																		
27-0037	Wirth	71806	143624		1	27.9	7.02	91.3	8.22	709																											
27-0037	Wirth	71806	143539		2	26.7	5.4	68.8	7.85	712																											
27-0037	Wirth	71806	143505		3	24.2	0.83	10.1	7.27	741																											
27-0037	Wirth	71806	143423		4	18.4	0.51	5.5	7.11	798	4					0.061	<0.003																				
27-0037	Wirth	71806	143328		5	12.9	0.51	5	6.99	900																											
27-0037	Wirth	71806	143250		6	9.15	0.45	4	6.86	1121																											
27-0037	Wirth	71806	143208		7	7.71	0.95	8.2	6.87	1290	7					0.649	0.06																				
27-0037	Wirth	80206	134028	1.23	0	28.1	7.65	101	7.59	646	0-2	47.6	2.1	5.5	0.092	0.014			0.971																		
27-0037	Wirth	80206	133949		1	27.6	9.75	128	7.72	643																											
27-0037	Wirth	80206	133918		2	27.2	7.31	95.3	7.4	645																											
27-0037	Wirth	80206	133847		3	25.5	2.53	32	6.93	578																											
27-0037	Wirth	80206	133728		4	21.3	0.26	3	7.04	739	4					0.124	0.005																				
27-0037	Wirth	80206	133656		5	15.0	0.37	3.8	7.07	848																											
27-0037	Wirth	80206	133625		6	10.9	0.44	4.1	7.07	1002																											
27-0037	Wirth	80206	133527		7	8.6	0.37	3.3	7.27	1199	7					0.686	0.02																				
27-0037	Wirth	80206	133500		8	7.97	0.7	6.1	7.36	1265																										<20.0	
27-0037	Wirth	81506	142117	0.95	0	26.7	10.0	128	8.69	617	0-2	103	5.9		0.09	0.004			1.02																		
27-0037	Wirth	81506	142046		1	24.4	9.86	121	8.61	615																											
27-0037	Wirth	81506	142015		2	24.1	6.34	77.2	8.19	621																											
27-0037	Wirth	81506	141927		3	23.8	0.64	7.7	7.34	636																											
27-0037	Wirth	81506	141851		4	20.7	0.24	2.7	7.08	743	4					0.065	0.003																				
27-0037	Wirth	81506	141815		5	14.5	0.3	3	6.93	862																											
27-0037	Wirth	81506	141738		6	10.3	0.6	5.5	6.85	1062																											
27-0037	Wirth	81506	141647		7	8.68	1	8.8	6.84	1207	7					0.972	0.012																				
27-0037	Wirth	91106	103434	1.32	0	18.7	4.88	53.2	7.56	638	0-2	15.1	3.6	2.46	0.038	<0.003			0.627																		
27-0037	Wirth	91106	103342		1	18.7	4.84	52.8	7.55	639																											
27-0037	Wirth	91106	103305		2	18.7	4.93	53.7	7.48	638																											
27-0037	Wirth	91106	103227		3	18.7	4.69	51.1	7.4	639																											
27-0037	Wirth	91106	1031																																		

Lake ID	Lake Name	Date	Time	Secchi	Depth	Temp	DO	%DO	pH	SpCond	Smpl	Chla	Pheo-a	Silica	TP	SRP	TKN	TN	NO3NO2	Alk	Hard	Cl	As	Cd	Cu	Pb	Ni	Mn	Zn	E. Coli	Tot Al	Sol Al	Sulfate
DNR		MMDDYY	HHMMSS	meters	meters	°C	mg/L		Units	µS/cm	Depth	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	# colonies/ 100mL	µg/L	µg/L	mg/L	
27-0037	Wirth	102306	95022		2	7.46	7.33	62.4	7.33	716																							
27-0037	Wirth	102306	94951		3	7.45	7.18	62	7.36	717																							
27-0037	Wirth	102306	94909		4	7.44	7.22	61.4	7.38	717	4				0.048	0.011																	
27-0037	Wirth	102306	94813		5	7.42	7.27	61.9	7.42	716																							
27-0037	Wirth	102306	94729		6	7.42	7.46	63.4	7.48	716																							
27-0037	Wirth	102306	94630		7	7.36	7.61	64.6	7.72	716	7				0.064	0.011						114											