

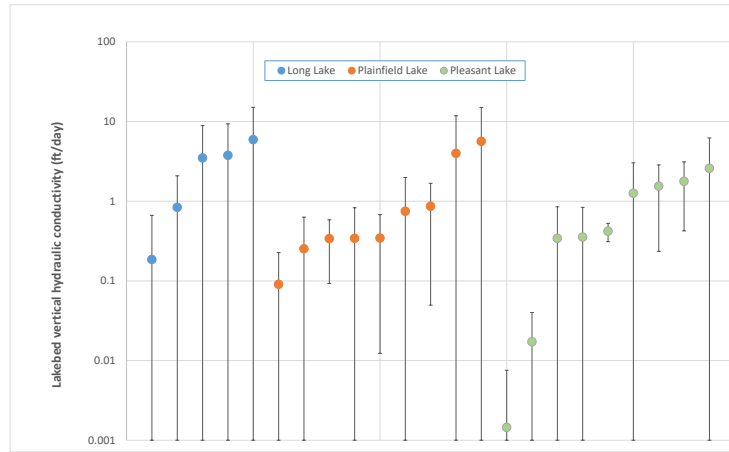
Lake	Name	Lat	Long	Install_Date	Read_Date	Read_Time	Piez_depth_m	Water_dpth_m	Hght_above_cm	gradient	percent error in	
											gradient	sediment
Plainfield	PN-LB1	44.20721	-89.4697	06/19/18	06/20/18	12:00	0.5	0.28	0.30	0.006	35	na
Plainfield	PN-LB2_S	44.20716	-89.4698	06/19/18	06/20/18	12:00	0.5	0.61	0.00	0.000		na
Plainfield	PN-LB2_D	44.20716	-89.4698	06/19/18	06/20/18	12:00	1	0.61	0.00	0.000		na
Plainfield	PN-LB3	44.20788	-89.4706	06/19/18	06/20/18	12:00	0.5	0.55	-2.40	-0.048	2	na
Plainfield	PN-LB4	44.20803	-89.4721	06/19/18	06/20/18	12:00	0.5	0.655487805	0.20	0.004	52	na
Plainfield	PN-LB5	44.20859	-89.4735	06/19/18	06/20/18	12:00	0.5	0.521341463	1.27	0.025	10	na
Plainfield	PN-LB6	44.2082	-89.4746	06/19/18	06/20/18	12:00	0.5	0.631097561	0.48	0.010	23	na
Plainfield	PN-LB7	44.20772	-89.4762	06/19/18	06/20/18	12:00	0.5	0.509146341	0.16	0.003	65	na
Plainfield	PN-LB8	44.20631	-89.475	06/19/18	06/20/18	12:00	0.5	0.748031496	0.00	0.000		na
Plainfield	PN-LB9	44.20549	-89.4734	06/19/18	06/20/18	12:00	0.5	0.539634146	0.32	0.006	33	na
Plainfield	PN-LB10	44.20535	-89.4712	06/19/18	06/20/18	12:00	0.5	0.5	0.00	0.000		na
Plainfield	PN-LB11	44.20542	-89.4688	06/19/18	06/20/18	12:00	0.5	0.609756098	0.64	0.013	18	na
Plainfield	PN-LB12	44.20652	-89.4682	06/19/18	06/20/18	12:00	0.5	0.472560976	0.64	0.013	18	na
Long	LL_LB1	44.20917	-89.4564	06/20/18	06/21/18	12:00	0.6	0.268292683	0.64	0.010	18	some vegetation over sand
Long	LL_LB2	44.2076	-89.4536	06/20/18	06/21/18	12:00	0.6	0.25	0.48	0.008	23	sand w/gravel
Long	LL_LB3	44.20669	-89.4567	06/20/18	06/21/18	12:00	0.6	0.603658537	0.48	0.008	23	some vegetation over sand and gravel
Long	LL_LB4	44.20691	-89.4603	06/20/18	06/21/18	12:00	0.6	0.426829268	-0.64	-0.010	14	some vegetation over sand
Long	LL_LB5	44.20609	-89.4512	06/20/18	06/21/18	12:00	1	0.603658537	0.64	0.006	18	sand w/gravel
Long	LL_LB6	44.20412	-89.4492	06/20/18	06/21/18	12:00	1	0.454268293	-0.48	-0.005	19	organic much above sand
Long	LL_LB8	44.20595	-89.4496	06/20/18	06/21/18	12:00	1	na	0.16	0.002	65	2 cm vegetation over sand
Long	LL_LB10	44.20517	-89.4544	06/20/18	06/21/18	12:00	1	0.304878049	0.00	0.000		woody vegetation
Long	LL_LB11	44.20859	-89.4556	06/20/18	06/21/18	12:00	1	0.396341463	0.16	0.002	65	2 cm vegetation over sand
Long	LL_LB12	44.20919	-89.4587	06/20/18	06/21/18	12:00	1	0.396341463	0.00	0.000		sand and gravel
Long	LL_LB13	44.20643	-89.4585	06/20/18	06/21/18	12:00	1	0.304878049	0.00	0.000		2 cm vegetation over sand
Long	LL_LB14	44.20789	-89.4568	06/20/18	06/21/18	12:00	1	0.289634146	0.95	0.010	12	2 cm vegetation over sand
Pleasant	PS_LB1	43.98838	-89.5487	06/21/18	06/22/18	12:00	1	0.442073171	0.16	0.002	65	sand
Pleasant	PS_LB2	43.98722	-89.5468	06/21/18	06/22/18	12:00	1	0.323170732	-21.59	-0.216	2	sand w/gravel
Pleasant	PS_LB3	43.98507	-89.546	06/21/18	06/22/18	12:00	1	0.338414634	0.00	0.000		sand
Pleasant	PS_LB4	43.98243	-89.5472	06/21/18	06/22/18	12:00	1	0.335365854	0.32	0.003	33	sand
Pleasant	PS_LB5	43.98164	-89.5489	06/21/18	06/22/18	12:00	1	0.457317073	-5.72	-0.057	0	sand w/gravel
Pleasant	PS_LB6	43.98277	-89.5524	06/21/18	06/22/18	12:00	1	0.350609756	3.18	0.032	5	sand
Pleasant	PS_LB7	43.9822	-89.5552	06/21/18	06/22/18	12:00	1	0.396341463	1.11	0.011	11	sand w/gravel
Pleasant	PS_LB8	43.98308	-89.5582	06/21/18	06/22/18	12:00	1	0.405487805	1.27	0.013	10	sand w/muck
Pleasant	PS_LB9	43.98478	-89.5576	06/21/18	06/22/18	12:00	1	0.390243902	24.77	0.248	2	sand w/gravel
Pleasant	PS_LB10	43.98623	-89.5576	06/21/18	06/22/18	12:00	1	0.420731707	0.64	0.006	18	sand w/muck
Pleasant	PS_LB11	43.98709	-89.5553	06/21/18	06/22/18	12:00	1	0.280487805	1.27	0.013	10	sand w/gravel
Pleasant	PS_LB13	43.98735	-89.5512	06/21/18	06/22/18	12:00	1	0.350609756	0.64	0.006	18	sand
Plainfield	PFD-MP1	44.20713	-89.4698	09/24/18	09/25/18	9:45	1	0.59	0.40	0.004	27	
Plainfield	PFD-MP2	44.20818	-89.4696	09/24/18	09/25/18	9:50	1	0.46	0.40	0.004	27	mucky
Plainfield	PFD-MP3	44.20797	-89.4715	09/24/18	09/25/18	10:10	1	0.475	0.70	0.007	17	gravelly
Plainfield	PFD-MP4	44.20845	-89.4745	09/24/18	09/25/18	10:30	1	0.43	1.50	0.015	9	many roots/weeds
Plainfield	PFD-MP5	44.20549	-89.4683	09/24/18	09/25/18	11:15	1	0.38	0.00	0.000		sand
Plainfield	PFD-MP6	44.20542	-89.47	09/24/18	09/25/18	11:05	1	0.44	0.00	0.000		
Plainfield	PFD-MP7	44.20555	-89.4738	09/24/18	09/25/18	10:45	1	0.46	-0.30	-0.003	31	
Long	LN-MP1	44.20909	-89.4565	09/25/18	09/26/18	9:40	1	0.4	0.30	0.003	36	
Long	LN-MP2	44.2069	-89.4603	09/25/18	09/26/18	10:00	1	0.37	0.00	0.000		
Long	LN-MP3	44.20589	-89.4561	09/25/18	09/26/18	10:15	1	na	-0.20	-0.002	48	na
												muck, weeds, and stumps (location is NW corner of lake by stairs). Lat long and waypoint not included in notes.
Pleasant	PSNT-MP1	na	na	09/26/18	09/26/18	14:45	1	0.57	>8.5	>0.085		
Pleasant	PSNT-MP2	43.98455	-89.5577	09/26/18	09/26/18	12:10	1	0.55	8.50	0.168	3	coarse sand and gravel
Pleasant	PSNT-MP3	43.98271	-89.5586	09/26/18	09/27/18	12:00	1	0.45	-8.00	-0.160	1	muck and weeds
Pleasant	PSNT-MP3_2	43.98789	-89.5471	09/26/18	09/27/18	10:20	0.7	0.2	-0.60	-0.014	14	
Pleasant	PSNT-MP4	43.98242	-89.5472	09/26/18	09/27/18	10:55	0.7	0.22	0.00	0.000		na
Pleasant	PSNT-MP5	43.98164	-89.5496	09/26/18	09/27/18	11:10	0.7	0.11	0.00	0.000		na
Pleasant	PSNT-MP6	43.98418	-89.5461	09/26/18	09/27/18	10:45	0.7	0.17	-0.20	-0.004	48	na
Pleasant	PSNT-MP7	43.98842	-89.5487	09/26/18	09/27/18	10:00	0.7	0.22	0.00	0.000		na
Pleasant	PSNT-MP8	43.98769	-89.5525	09/26/18	09/27/18	13:10	0.7	0.23	0.30	0.005	35	na
Pleasant	PSNT-MP9	43.98728	-89.5546	09/26/18	09/27/18	12:50	0.7	0.22	0.50	0.009	22	coarse sand and gravel

Lake	Name	Lat	Long	Flux_meter	Area_m2	dt_day_start	start_time	dt_day_end	end_time	dt_day	dt_hour	initial_ml	final_ml1	final_ml2	final_ml3	diff_ml1	diff_ml2	diff_ml3	diff_forcalc	flux_m_day	standard deviation	coefficient of variation
Plainfield	PN-LB1	44.20721	-89.4697	Plain-B19	0.0585	06/19/2018	12:39	06/19/2018	15:46	0.13	3.12	200	457	na	na	257	na	na	257	0.0338	na	1.32 average from three meter measurements
Plainfield	PN-LB3	44.20788	-89.4706	Plain-D19	0.0531	06/19/2018	12:58	06/19/2018	15:54	0.12	2.92	200	847	na	na	647	na	na	647	0.1002	na	1.32 average from three meter measurements
Plainfield	PN-LB5	44.20859	-89.4735	Plain-H19	0.0598	06/19/2018	13:22	06/19/2018	16:06	0.11	2.72	200	259	na	na	59	na	na	59	0.0087	na	1.32 average from three meter measurements
Plainfield	PN-LB7	44.20772	-89.4762	Plain-E19	0.0573	06/19/2018	14:13	06/19/2018	16:39	0.10	2.42	200	273	na	na	73	na	na	73	0.0126	na	1.32 average from three meter measurements
Plainfield	PN-LB9	44.20549	-89.4734	Plain-G19	0.0594	06/19/2018	15:16	06/20/2018	8:34	0.72	17.29	200	403	na	na	203	na	na	203	0.0047	na	1.32 average from three meter measurements
Plainfield	PN-LB11	44.20542	-89.4688	Plain-F19	0.0556	06/19/2018	16:03	06/20/2018	8:43	0.69	16.67	200	324	na	na	124	na	na	124	0.0032	na	1.32 average from three meter measurements
Plainfield	PN-LB12	44.20652	-89.4682	Plain-O19	0.1140	06/19/2018	16:22	06/20/2018	8:49	0.69	16.45	200	290	na	na	90	na	na	90	0.0012	na	1.32 average from three meter measurements
Long	LL_LB1	44.20917	-89.4564	Long-O20	0.1140	06/20/2018	9:37	06/20/2018	13:13	0.15	3.60	200	349	na	na	149	na	na	149	0.0087	na	1.32 average from three meter measurements
Long	LL_LB2	44.2076	-89.4536	Long-E20	0.0573	06/20/2018	12:00	06/20/2018	14:46	0.12	2.77	200	380	na	na	180	na	na	180	0.0272	na	1.32 average from three meter measurements
Long	LL_LB3	44.20669	-89.4567	Long-D20	0.0531	06/20/2018	11:04	06/20/2018	14:00	0.12	2.93	200	500	na	na	300	na	na	300	0.0463	na	1.32 average from three meter measurements
Long	LL_LB4	44.20691	-89.4603	Long-B20	0.0585	06/20/2018	10:48	06/20/2018	13:43	0.12	2.92	200	249	na	na	49	na	na	49	0.0069	na	1.32 average from three meter measurements
Long	LL_LB5	44.20609	-89.4512	Long-F20	0.0556	06/20/2018	11:48	06/20/2018	14:36	0.12	2.80	200	355	na	na	155	na	na	155	0.0239	na	1.32 average from three meter measurements
Long	LL_LB6	44.20412	-89.4492	Long-G20	0.0594	06/20/2018	11:31	06/20/2018	14:25	0.12	2.90	200	391	na	na	191	na	na	191	0.0266	na	1.32 average from three meter measurements
Long	LL_LB7	44.20518	-89.4525	Long-H20	0.05983	06/20/2018	11:19	06/20/2018	14:13	0.12	2.90	200	257	na	na	57	na	na	57	0.0079	na	1.32 average from three meter measurements
Pleasant	PS_LB2	43.98722	-89.5468	B	0.0613	06/21/2018	13:27	06/21/2018	16:04	0.11	2.62	200	305	na	na	105	na	na	105	0.0157	na	1.32 average from three meter measurements
Pleasant	PS_LB4	43.98243	-89.5472	C	0.0613	06/21/2018	13:57	06/21/2018	16:27	0.10	2.50	200	200	na	na	0	na	na	0	0.0000	na	1.32 average from three meter measurements
Pleasant	PS_LB6	43.98277	-89.5524	E	0.0613	06/21/2018	14:34	06/21/2018	17:04	0.10	2.50	200	272	na	na	72	na	na	72	0.0113	na	1.32 average from three meter measurements
Pleasant	PS_LB8	43.98308	-89.5582	D	0.0613	06/21/2018	14:50	06/21/2018	17:21	0.10	2.52	200	411	na	na	211	na	na	211	0.0328	na	1.32 average from three meter measurements
Pleasant	PS_LB9	43.98478	-89.5576	C	0.0613	06/21/2018	14:50	06/22/2018	12:15	0.89	21.42	200	433	na	na	233	na	na	233	0.0043	na	1.32 average from three meter measurements
Pleasant	PS_LB11	43.98709	-89.5553	Jeans	0.1140	06/21/2018	15:15	06/21/2018	17:45	0.10	2.50	200	390	na	na	190	na	na	190	0.0160	na	1.32 average from three meter measurements
Pleasant	PS_LB13	43.98735	-89.5512	A	0.0613	06/21/2018	14:53	06/21/2018	17:35	0.11	2.70	200	215	na	na	15	na	na	15	0.0022	na	1.32 average from three meter measurements
Plainfield	PFDP-MP2	44.20818	-89.4696	L,N,G	0.0629	09/24/2018	12:50	09/25/2018	9:50	0.88	21.00	250	364	312	298	114	62	48	75	0.0014	34.8	0.47 calculated
Plainfield	PFDP-MP4	44.20845	-89.4745	P,O,R	0.0629	09/24/2018	14:00	09/25/2018	10:30	0.85	20.50	250	1644	1640	250	1394	1390	0	697	0.0130	803.7	1.15 calculated
Plainfield	PFDP-MP5	44.20549	-89.4683	C,K,Q	0.0629	09/24/2018	15:00	09/25/2018	11:10	0.84	20.17	250	255	280	342	5	30	92	18	0.0003	44.8	2.56 calculated
Plainfield	PFDP-MP7	44.20555	-89.4738	D,E,B	0.0629	09/24/2018	16:20	09/25/2018	10:45	0.77	18.42	250	170	232	198	-80	-18	-52	-50	-0.0010	31.0	0.62 calculated
Long	LN-MP1	44.20909	-89.4565	B,D,E	0.0629	09/25/2018	12:15	09/26/2018	9:45	0.90	21.50	250	232	362	250	-18	112	0	31	0.0006	70.4	2.25 calculated
Long	LN-MP2	44.2069	-89.4603	O,Q,K	0.0629	09/25/2018	12:55	09/26/2018	10:00	0.88	21.08	250	702	320	280	452	70	30	261	0.0047	233.0	0.89 calculated
Long	LN-MP3	44.20589	-89.4561	R,F,P	0.0629	09/25/2018	14:35	09/26/2018	10:15	0.82	19.67	250	602	446	444	352	196	194	273	0.0053	90.6	0.33 calculated
Pleasant	PSNT-MP1	na	na	O,F,R	0.0629	09/26/2018	11:30	09/26/2018	14:45	0.14	3.25	250	390	2350	1600	140	2100	1350	1120	0.1315	989.0	0.88 calculated
Pleasant	PSNT-MP2	43.98455	-89.5577	P,K,D	0.0629	09/26/2018	12:10	09/26/2018	15:15	0.13	3.08	250	688	2250	1098	438	2000	848	1219	0.1508	809.8	0.66 calculated
Pleasant	PSNT-MP3	43.98271	-89.5586	Q,E,B	0.0629	09/26/2018	12:40	09/27/2018	11:45	0.96	23.08	250	204	236	282	-46	-14	32	-7	-0.0001	39.2	5.60 calculated
Pleasant	PSNT-MP3_2	43.98789	-89.5471	N,G,L	0.0629	09/26/2018	13:30	09/27/2018	10:25	0.87	20.92	250	60	28	46	-190	-222	-204	-197	-0.0036	16.0	0.08 calculated
Pleasant	PSNT-MP4	43.98242	-89.5472	A,C,M	0.0629	09/26/2018	13:55	09/27/2018	11:00	0.88	21.08	250	234	242	236	-16	-8	-14	-12	-0.0002	4.2	0.35 calculated

1.32 average

Lake	Name	Lat	Long	Install_Da	Read_Date	Read_Time	Piez_depth_m	Water_dpth_m	Hght_above_cm	gradient	sediment	Flux_meter	Area_m2	dt_day_start	start_time	dt_day_end	end_time	dt_day	dt_hour	initial_ml	final_ml1	final_ml2	final_ml3	diff_ml1	diff_ml2	diff_ml3	diff_forcalc	flux_m_day	Kv_ftperd.	error	min_Kv	max_Kv
Long	LN-MP1	44.20909	-89.4565	09/25/18	09/26/18	9:40	1	0.4	0.3	0.003	some vegetation over	B,D,E	0.0629	09/25/2018	12:15	09/26/2018	9:45	0.90	21.50	250	232	362	250	-18	112	0	31.3	0.001	0.185	2.59	0.18	0.48
Long	LL_LB1	44.20917	-89.4564	06/20/18	06/21/18	12:00	0.6	0.268292683	0.635	0.010	sand	Long-Q20	0.1140	06/20/2018	9:37	06/20/2018	13:13	0.15	3.60	200	349						149	0.009	0.837	1.49	0.84	1.25
Long	LL_LB2	44.2076	-89.4536	06/20/18	06/21/18	12:00	0.6	0.25	0.47625	0.008	sand w/gravel	Long-E20	0.0573	06/20/2018	12:00	06/20/2018	14:46	0.12	2.77	200	380						180	0.027	3.487	1.55	3.49	5.39
Long	LL_LB5	44.20609	-89.4512	06/20/18	06/21/18	12:00	1.0	0.603658537	0.635	0.006	sand w/gravel	Long-F20	0.0556	06/20/2018	11:48	06/20/2018	14:36	0.12	2.80	200	355						155	0.024	3.765	1.49	3.76	5.60
Long	LL_LB3	44.20569	-89.4567	06/20/18	06/21/18	12:00	0.6	0.603658537	0.47625	0.008	sand and gravel	Long-Q20	0.0531	06/20/2018	11:04	06/20/2018	14:00	0.12	2.93	200	500						300	0.046	5.926	1.55	5.93	9.16
Plainfield	PN-LB12	44.20562	-89.4682	06/19/18	06/20/18	12:00	0.5	0.472560976	0.635	0.013	na	Plain-O19	0.1140	06/19/2018	16:22	06/20/2018	8:49	0.69	16.45	200	290						90	0.001	0.091	1.50	0.09	0.14
Plainfield	PN-LB11	44.20542	-89.4688	06/19/18	06/20/18	12:00	0.5	0.609756098	0.635	0.013	na	Plain-F19	0.0556	06/19/2018	16:03	06/20/2018	8:43	0.69	16.67	200	324						124	0.003	0.253	1.50	0.25	0.38
Plainfield	PFD-MP2	44.20818	-89.4696	09/24/18	09/25/18	9:50	1	0.46	0.4	0.004	mucky	LN,G	0.0629	09/24/2018	12:50	09/25/2018	9:50	0.88	21.00	250	364	312	298	114	62	48	74.7	0.001	0.339	0.73	0.25	0.25
Plainfield	PN-LB5	44.20559	-89.4735	06/19/18	06/20/18	12:00	0.5	0.521341463	1.27	0.025	na	Plain-H19	0.0598	06/19/2018	13:22	06/19/2018	16:06	0.11	2.72	200	259						59	0.009	0.343	1.42	0.34	0.49
Plainfield	PFD-MP7	44.20555	-89.4738	09/24/18	09/25/18	10:45	1	0.46	-0.1	-0.003		D,E,B	0.0629	09/24/2018	16:20	09/25/2018	10:45	0.77	18.42	250	170	232	198	-80	-18	-52	-50	-0.001	0.345	0.96	0.33	0.33
Plainfield	PN-LB9	44.20549	-89.4734	06/19/18	06/20/18	12:00	0.5	0.539634146	0.3175	0.006	na	Plain-G19	0.0594	06/19/2018	15:16	06/20/2018	8:34	0.72	17.29	200	403						203	0.005	0.747	1.65	0.75	1.24
Plainfield	PFD-MP4	44.20845	-89.4745	09/24/18	09/25/18	10:30	1	0.43	1.5	0.015	many roots/weeds	P,O,R	0.0629	09/24/2018	14:00	09/25/2018	10:30	0.85	20.50	250	1644	1640	250	1394	1390	0	697	0.013	0.865	0.94	0.82	0.82
Plainfield	PN-LB7	44.20772	-89.4762	06/19/18	06/20/18	12:00	0.5	0.509146341	0.15875	0.003	na	Plain-E19	0.0573	06/19/2018	14:13	06/19/2018	16:39	0.10	2.42	200	273						73	0.013	3.982	1.97	3.98	7.84
Plainfield	PN-LB1	44.20721	-89.4697	06/19/18	06/20/18	12:00	0.5	0.28	0.3	0.006	na	Plain-B19	0.0585	06/19/2018	12:39	06/19/2018	15:46	0.13	3.12	200	457						257	0.034	5.629	1.67	5.63	9.42
Pleasant	PSNT-MP3	43.98271	-89.5586	09/26/18	09/27/18	12:00	1	0.45	-8	-0.080	muck and weeds	C,E,B	0.0629	09/26/2018	12:40	09/27/2018	11:45	0.96	23.08	250	204	236	282	-46	-14	32	-7	0.000	0.001	4.22	0.00	0.01
Pleasant	PS_LB9	43.98478	-89.5576	06/21/18	06/22/18	12:00	1	0.390243902	24.765	0.248	sand w/gravel	C	0.0613	06/21/2018	14:50	06/22/2018	12:15	0.89	21.42	200	433						233	0.004	0.017	1.33	0.02	0.02
Pleasant	PS_LB13	43.98735	-89.5512	06/21/18	06/22/18	12:00	1	0.350609756	0.635	0.006	sand	A	0.0613	06/21/2018	14:53	06/21/2018	17:35	0.11	2.70	200	215						15	0.002	0.342	1.49	0.34	0.51
Pleasant	PS_LB6	43.98277	-89.5524	06/21/18	06/22/18	12:00	1	0.350609756	3.175	0.032	sand	E	0.0613	06/21/2018	14:34	06/21/2018	17:04	0.10	2.50	200	272						72	0.011	0.355	1.36	0.35	0.48
Pleasant	PSNT-MP3	43.98789	-89.5471	09/26/18	09/27/18	10:20	0.7	0.2	-0.6	-0.009		N,G,I	0.0629	09/26/2018	13:30	09/27/2018	10:25	0.87	20.92	250	60	28	46	-190	-222	-204	-197	-0.004	0.419	0.26	0.11	0.11
Pleasant	PS_LB11	43.98709	-89.5553	06/21/18	06/22/18	12:00	1	0.280487805	1.27	0.013	sand w/gravel	Jeans	0.1140	06/21/2018	15:15	06/21/2018	17:45	0.10	2.50	200	390						190	0.016	1.260	1.41	1.26	1.77
Pleasant	PSNT-MP1	na	na	09/26/18	09/26/18	14:45	1	0.57	8.5	0.085	stumps	O,F,R	0.0629	09/26/2018	11:30	09/26/2018	14:45	0.14	3.25	250	390	2350	1600	140	2100	1350	1120	0.131	1.547	0.85	1.31	1.31
Pleasant	PSNT-MP2	43.98455	-89.5577	09/26/18	09/26/18	12:10	1	0.55	8.5	0.085	course sand and gravel	P,D	0.0629	09/26/2018	12:10	09/26/2018	15:15	0.13	3.08	250	688	2250	1098	438	2000	848	1219	0.151	1.775	0.76	1.35	1.35
Pleasant	PS_LB8	43.98308	-89.5582	06/21/18	06/22/18	12:00	1	0.405487805	1.27	0.013	sand w/muck	D	0.0613	06/21/2018	14:50	06/21/2018	17:21	0.10	2.52	200	411						211	0.033	2.584	1.41	2.58	3.64

Median Kv 0.747



LakebedFluxes Explanation of Fields

Lake	Name	Lat	Long	Flux meter	Area_m2	dt_day_start	start_time	dt_day_end	end_time	dt_day	dt_hour	Initial_m3	Final_m3	Final_m2	Final_m3	diff_m3	diff_m3	diff_m3	diff_forcek	flux_m_day	standard deviation	coefficient of variation
Name of lake where the measurement was taken	Monitoring point designation	Latitude (decimal degrees) recorded with handheld GPS unit	Longitude (decimal degrees) recorded with handheld GPS unit	Identific which seepage meter(s) were used	Area of seepage meter (m ²)	Date of seepage meter installation	Time of seepage meter installation	Date of seepage meter measurement	Time of seepage meter measurement	Time elapsed between seepage meter installation and reading (days)	Time elapsed between seepage meter installation and reading (hours)	Water volume meter placed in bag at time of installation (m ³)	Water volume measured at time of seepage meter reading (m ³)	Water volume measured at time of seepage meter reading (m ³)	Volume of water gained (+) or lost (-) during measurement period by each seepage meter (m ³)	Calculated value (average of best measurements) (m ³)	Calculated value (average of best measurements) (m ³)	Calculated value (average of best measurements) (m ³)	Forcek (m/s)	flux_m_day (m ³ /day)	Standard deviation (m ³)	Coefficient of variation (m ³ /m ³)

LakebedGradients Explanation of Fields

Lake	Name	Lat	Long	Install Date	Read Date	Read Time	Flux depth m	Water depth m	Height above cm	gradient	percent error in gradient	sediment
Name of lake where the measurement was taken	PN-LB1	Latitude (decimal degrees) recorded with handheld GPS unit	Longitude (decimal degrees) recorded with handheld GPS unit	Date of lakebed measurement (12:00 if not recorded)	Date of lakebed measurement (12:00 if not recorded)	Time of lakebed measurement	Depth of piezometer head screen below the lake bed (m)	Lake depth at measurement point (m)	Height above lake level (cm) where flow is out of the lake	Vertical gradient: change in head over the distance between the lake bed and mini-piezometer screen (+) or head measurement where flow is out of the lake	Combined error due to uncertainties in piezometer depth and head measurement	Lakebed sediment type recorded

LakebedConductivity Explanation of Fields

Lake	Name	Lat	Long	Install Date	Read Date	Read Time	Flux depth m	Water depth m	Height above cm	gradient	sediment	Flux meter	Area_m2	dt_day_start	start_time	dt_day_end	end_time	dt_day	dt_hour	Initial_m3	Final_m3	Final_m2	Final_m3	diff_m3	diff_m3	diff_m3	diff_m3	diff_forcek	flux_m_day	Rv_hiponds	error	min Kv	max Kv
Name of lake where the measurement was taken	PN-LB1	Latitude (decimal degrees) recorded with handheld GPS unit	Longitude (decimal degrees) recorded with handheld GPS unit	Date of lakebed measurement (12:00 if not recorded)	Date of lakebed measurement (12:00 if not recorded)	Time of lakebed measurement	Depth of piezometer head screen below the lake bed (m)	Lake depth at measurement point (m)	Height above lake level (cm) where flow is out of the lake	Vertical gradient: change in head over the distance between the lake bed and mini-piezometer screen (+) or head measurement where flow is out of the lake	Lakebed sediment type recorded	Flux meter	Area of seepage meter (m ²)	Date of seepage meter installation	Time of seepage meter installation	Date of seepage meter measurement	Time of seepage meter measurement	Time elapsed between seepage meter installation and reading (days)	Time elapsed between seepage meter installation and reading (hours)	Water volume meter placed in bag at time of installation (m ³)	Water volume measured at time of seepage meter reading (m ³)	Water volume measured at time of seepage meter reading (m ³)	Volume of water gained (+) or lost (-) during measurement (average of best measurements) (m ³)	Calculated value (average of best measurements) (m ³)	Calculated value (average of best measurements) (m ³)	Calculated value (average of best measurements) (m ³)	Forcek (m/s)	flux_m_day (m ³ /day)	Rv_hiponds (m/s)	Total error for measurement uncertainty in piezometer depth and head measurement	min Kv	max Kv	