Lake Lacawac, Bruce R. Hargreaves, Lehigh University (brh0@lehigh.edu, http://www.lehigh.edu/~brh0)
Station moved to shallow water (ca. 2.5m max) at dock from lake center on 12 November 2007
The water level sensor (referenced to dock) settles for several days after moving platform to lake center and thus underestimates water level during this period.
Adjusted Tw sensors 13Nov07 based on comparison of depths and vs PUV & YSI sonde profiles (note that Tw at 11.3m matches PUV Tw at 12.5, probably within sediment boundary laye
Tw12 adjusted to match others on bottom after moved to dock

H310 sensor depth & Lake level are based on differential pressure
sensor with ca 0.1mm resolution & vertical position referenced to bottom of lake.
Sensor PSIG converted to depth using density of water at 4oC (1.43321 psi/m)
Lake level is referenced also to lower frame of dock at SE corner (2003-May2005)
(Actual water level at dock varies seasonally with density of water column and hourly from
precip, runoff, evaporation, seepage & outflow. Outflow also varies with status of beaver dam).

5280	ft/mile
1609	m/mile

	Tair avg F	Tair max F	Tair min F		Rain-in	WS-mph	WS max mph					Tw 0.1m F	Tw 0.5m F	Tw 1m F	Tw 2m F	Tw 3m F	Tw 4m F	Tw 5m F	Tw 6m F	Tw 8m F	Tw 10m F	Tw 12m F							
	26.2	60.0	1.4		4.49	3.8	26					31.4	39.3	39.4	39.4	40.4	40.0	39.8	39.8	39.8	39.8	39.8							
Month summary	Tair avg-C	Tair Hi-C	Tair Min-C	RHair-%	Rain-mm	WS-m/s	WS Max-m/s	WDIR-deg	Barom-mb	Sum Rad W/m2	Sum PAR uM/m2/s	Tw 0.1m	Tw 0.5m	Tw 1m	Tw 2m	Tw 3m	Tw 4m	Tw 5m	Tw 6m	Tw 8m	Tw02.1m	Tw02.6m	H310_z (m)	Lakelevel-mm (4oC)	cumul. rain-mm	Batt min-V	RH% CR10 enc	RH% MUX enc	Max of RHair
	-3.2	**15.6**	**-17.0**	**85.3**	**114.0**	**1.7**	**11.5**	**238.0**	**961.8**	**235061**	**474004**	**-0.3**	**4.1**	**4.1**	**4.1**	**4.7**	**4.5**	**4.3**	**4.3**	**4.4**	**4.3**	**4.3**	**2.1**	**59.2**	**114.0**	**12.5**	**14.2**	**16.1**	**103.6**

month (All)

Data

Location	% records	Date	Day of Yr	Tair avg-C	Tair Hi-C	Tair Min-C	RHair-%	Rain-mm	WS-m/s	WS Max-m/s	WDIR-deg	Barom-mb	Sum Rad W/m2	Sum PAR uM/m2/s	Tw 0.1m	Tw 0.5m	Tw 1m	Tw 2m	TW3 m	TW4 m	TW5 m	TW6m	TW8m	TW H310-C	TW12m	H310 depth-m (4oC)	Lakelevel-r	cumul. rain-mm	Batt min-V	RH% CR10 enc	RH% MUX enc	Max of RHair
ND	100%	2/1/2008	32	-2.1	1.2	-4.2	88.0	0.2	2.5	8.3	123	966.7	1026	2436	-0.3	4.1	4.2	4.2	4.7	4.5	4.3	4.3	4.2	4.3	4.3	2.097	22.2	0.2	12.6	13	14	102
ND	100%	2/2/2008	33	0.1	1.2	-1.6	93.1	0.0	2.0	8.5	280	964.6	2349	5232	-0.2	4.1	4.1	4.2	4.6	4.5	4.3	4.3	4.3	4.3	4.4	2.113	38.7	0.2	12.6	13	14	101
ND	100%	2/3/2008	34	-0.3	6.3	-5.5	89.8	0.4	0.8	6.2	236	969.1	11887	23413	-0.2	4.1	4.2	4.2	4.7	4.5	4.4	4.4	4.3	4.3	4.4	2.110	35.3	0.6	12.6	14	15	102
ND	100%	2/4/2008	35	-1.4	0.1	-3.2	100.7	0.0	1.0	4.5	130	971.2	1364	3285	-0.2	4.1	4.1	4.1	4.7	4.5	4.4	4.4	4.3	4.4	4.4	2.108	33.0	0.6	12.6	13	14	103
ND	100%	2/5/2008	36	5.3	10.5	0.3	102.0	8.4	0.8	4.9	237	960.8	3323	7284	-0.2	4.1	4.1	4.3	4.7	4.6	4.4	4.5	4.4	4.5	4.5	2.112	36.8	9.0	12.6	13	15	103
ND	100%	2/6/2008	37	7.8	15.6	3.7	99.5	24.4	1.2	7.8	199	949.8	3532	7955	-0.2	4.1	4.2	4.2	4.7	4.6	4.4	4.5	4.4	4.5	4.4	2.124	49.3	33.4	12.6	14	16	103
ND	100%	2/7/2008	38	1.8	7.1	-3.0	86.6	5.6	2.0	9.3	279	953.5	5595	11400	-0.2	4.1	4.1	4.2	4.8	4.5	4.4	4.4	4.3	4.4	4.4	2.165	90.4	39.0	12.5	13	24	103
ND	100%	2/8/2008	39	-2.2	1.1	-4.9	89.0	0.0	0.8	5.2	175	961.4	7238	14599	-0.1	4.1	4.1	4.0	4.7	4.4	4.3	4.4	4.3	4.3	4.3	2.153	78.2	39.0	12.5	14	18	101
ND	100%	2/9/2008	40	-1.3	0.8	-3.8	100.3	1.3	0.6	8.4	200	960.2	1346	2993	-0.2	4.1	4.1	3.9	4.6	4.3	4.2	4.3	4.3	4.2	4.2	2.143	68.4	40.3	12.5	14	15	102
ND	100%	2/10/2008	41	-4.2	0.5	-14.9	81.4	1.8	2.9	11.5	267	953.3	5942	15903	-0.1	4.1	4.1	4.0	4.5	4.3	4.1	4.2	4.2	4.2	4.2	2.139	64.5	42.1	12.5	14	15	103
ND	100%	2/11/2008	42	-13.8	-10.1	-17.0	66.2	0.0	3.5	10.8	297	967.9	14635	26694	-0.3	4.0	4.0	4.0	4.5	4.4	4.1	4.2	4.2	4.1	4.2	2.132	57.0	42.1	12.5	16	18	84
ND	100%	2/12/2008	43	-10.5	-6.1	-14.2	87.7	0.0	1.2	4.7	166	971.5	5143	10858	-0.5	4.0	4.0	4.0	4.7	4.4	4.3	4.3	4.3	4.2	4.3	2.128	53.1	42.1	12.6	15	17	101
ND	100%	2/13/2008	44	-1.4	1.1	-6.0	101.6	22.2	1.8	9.6	167	953.6	2062	4917	-0.2	4.0	4.1	4.1	4.7	4.5	4.3	4.4	4.4	4.3	4.3	2.152	77.1	64.3	12.5	13	14	104
ND	100%	2/14/2008	45	-4.6	-1.1	-6.9	86.4	3.5	2.7	9.5	306	963.0	12963	25591	-0.2	4.1	4.1	4.2	4.7	4.5	4.4	4.4	4.4	4.3	4.4	2.153	78.2	67.8	12.5	14	15	100
ND	100%	2/15/2008	46	-1.4	2.5	-6.1	82.5	4.1	1.9	9.6	276	964.8	4729	10133	-0.2	4.1	4.1	4.2	4.6	4.4	4.3	4.3	4.4	4.3	4.4	2.143	68.4	71.9	12.7	14	15	101
ND	100%	2/16/2008	47	-7.4	-2.9	-11.7	70.7	0.3	1.5	7.4	272	971.3	16018	30048	-0.4	4.1	4.1	4.1	4.7	4.5	4.4	4.4	4.4	4.4	4.4	2.135	60.5	72.2	12.6	15	16	93
ND	100%	2/17/2008	48	-2.4	4.3	-9.7	85.4	8.1	1.0	5.6	213	966.0	3640	8240	-0.4	4.1	4.1	4.1	4.7	4.5	4.3	4.4	4.4	4.3	4.4	2.129	54.7	80.3	12.7	14	15	101
ND	100%	2/18/2008	49	7.4	12.4	-0.3	89.9	10.0	1.8	7.6	270	949.6	2940	6657	-0.2	4.1	4.1	4.1	4.6	4.4	4.2	4.3	4.3	4.3	4.3	2.145	70.6	90.3	12.6	14	28	102
ND	100%	2/19/2008	50	-2.7	0.1	-8.0	64.0	0.0	2.8	11.5	276	955.7	14225	26874	-0.3	4.1	4.1	4.2	4.7	4.4	4.2	4.3	4.3	4.3	4.3	2.149	74.3	90.3	12.6	14	15	93
ND	100%	2/20/2008	51	-7.5	-4.2	-10.5	65.2	0.0	2.0	9.1	294	963.4	15700	28961	-0.6	4.2	4.2	4.2	4.7	4.5	4.3	4.4	4.4	4.3	4.4	2.142	67.4	90.3	12.7	15	16	90
ND	100%	2/21/2008	52	-8.3	-3.7	-12.1	67.8	0.0	1.8	6.7	278	972.2	16651	30964	-0.8	4.2	4.2	4.1	4.7	4.5	4.4	4.4	4.4	4.2	4.4	2.135	60.2	90.3	12.7	15	16	85
ND	100%	2/22/2008	53	-5.8	-4.0	-7.4	95.3	0.0	0.9	4.1	140	963.2	1316	2913	-0.5	4.2	4.2	4.1	4.6	4.4	4.3	4.3	4.3	4.3	4.3	2.137	62.5	90.3	12.6	14	15	101
ND	100%	2/23/2008	54	-4.6	-2.3	-8.9	90.1	0.3	1.5	6.4	298	960.3	3299	9312	-0.3	4.1	4.1	4.1	4.7	4.5	4.3	4.4	4.4	4.4	4.4	2.140	65.0	90.6	12.6	14	15	101
ND	100%	2/24/2008	55	-5.7	2.2	-11.8	79.8	6.0	1.2	5.6	277	965.3	14218	33870	-0.4	4.1	4.1	4.1	4.7	4.5	4.4	4.4	4.4	4.4	4.4	2.135	60.1	96.6	12.5	15	15	101
ND	100%	2/25/2008	56	-3.1	5.4	-11.2	77.4	2.8	0.9	6.3	270	960.0	17771	34283	-0.5	4.0	4.0	4.0	4.6	4.4	4.3	4.3	4.4	4.3	4.3	2.130	55.7	99.4	12.7	15	15	101
ND	100%	2/26/2008	57	-0.6	1.2	-2.7	94.1	14.5	0.7	4.1	177	949.8	1943	4794	-0.3	4.1	4.1	4.1	4.7	4.4	4.3	4.4	4.4	4.4	4.3	2.132	57.3	113.9	12.7	13	14	103
ND	100%	2/27/2008	58	-4.3	0.9	-10.8	85.4	0.1	3.9	8.5	321	946.9	10401	21196	-0.2	4.0	4.1	4.2	4.7	4.4	4.3	4.3	4.3	4.3	4.3	2.139	64.4	114.0	12.6	14	15	103
ND	100%	2/28/2008	59	-11.1	-7.9	-13.7	72.0	0.0	3.2	10.0	310	963.6	17498	32638	-0.9	4.0	4.1	4.2	4.6	4.4	4.2	4.2	4.3	4.3	4.3	2.134	58.9	114.0	12.7	15	17	92
ND	100%	2/29/2008	60	-8.8	-2.1	-16.4	81.8	0.0	0.9	5.2	167	973.4	16309	30561	-0.9	4.1	4.1	4.2	4.7	4.5	4.3	4.4	4.4	4.4	4.4	2.130	54.8	114.0	12.6	15	16	100
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