Lake Lacawac, Bruce R. Hargreaves, Lehigh University (brh0@lehigh.edu, http://www.lehigh.edu/~brh0)
Station moved to lake center on 20 April 08
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							
	49.2	80.3	20.1		2.06	4.2	25					53.1	53.0	52.6	50.5	47.6	46.6	45.7	45.3	45.0	45.3	45.1							
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
	9.5	**26.9**	**-6.6**	**68.7**	**52.3**	**1.9**	**11.3**	**216.5**	**966.2**	**593491**	**1219712**	**11.7**	**11.6**	**11.4**	**10.3**	**8.7**	**8.1**	**7.6**	**7.4**	**7.2**	**7.4**	**7.3**	**4.9**	**49.6**	**52.3**	**12.6**	**13.8**	**13.4**	**100.4**

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%	4/1/2008	92	13.2	17.8	7.1	88.1	2.5	2.3	11.3	269	960.6	8517	19129	5.7	5.5	5.4	5.3	5.2	5.3	5.2	5.1	5.1	5.3	5.2	2.133	45.5	2.5	12.7	19	19	98
ND	100%	4/2/2008	93	1.4	6.8	-2.3	52.6	0.0	3.8	10.4	309	972.1	25545	49947	5.5	5.7	5.7	5.6	5.6	5.7	5.6	5.6	5.6	5.7	5.7	2.133	45.4	2.5	12.6	15	15	86
ND	100%	4/3/2008	94	1.9	8.9	-6.6	48.3	2.2	0.9	5.5	235	976.1	21146	41258	5.9	5.7	5.6	5.4	5.4	5.5	5.4	5.4	5.4	5.5	5.5	2.129	40.6	4.7	12.7	15	14	96
ND	100%	4/4/2008	95	3.3	7.1	0.6	99.3	15.2	0.9	4.1	151	959.7	3161	7598	5.7	5.9	5.9	5.8	5.7	5.8	5.7	5.7	5.7	5.8	5.7	2.139	50.9	19.9	12.7	14	15	100
ND	100%	4/5/2008	96	4.5	8.7	1.1	91.7	0.2	2.2	8.5	288	962.4	7432	15892	5.8	6.0	6.0	6.0	5.9	6.0	5.9	5.9	5.9	6.0	6.0	2.145	57.2	20.1	12.6	15	15	100
ND	100%	4/6/2008	97	4.2	7.7	0.8	84.2	0.0	2.1	7.8	142	970.0	11178	23538	6.0	6.0	6.0	6.0	6.0	6.0	5.9	5.9	5.9	6.0	6.0	2.143	54.7	20.1	12.6	15	15	100
ND	100%	4/7/2008	98	3.2	5.0	1.2	89.0	0.0	1.9	6.8	112	972.6	6385	13937	5.9	6.0	6.0	5.9	6.0	6.0	5.9	5.9	5.9	6.0	6.0	2.140	51.6	20.1	12.7	15	14	97
ND	100%	4/8/2008	99	8.0	15.6	2.6	77.2	0.0	1.2	4.7	149	972.8	22345	46307	6.9	6.4	6.3	6.2	6.1	6.2	6.2	6.1	6.1	6.3	6.2	2.137	49.3	20.1	12.6	18	15	93
ND	100%	4/9/2008	100	10.0	16.5	3.8	75.1	0.0	0.8	5.7	190	969.8	19585	40811	7.9	7.5	7.3	7.0	6.6	6.8	6.8	6.7	6.7	7.0	6.9	2.136	48.3	20.1	12.7	18	14	94
ND	100%	4/10/2008	101	11.3	16.6	7.1	65.6	0.0	1.6	6.6	291	968.4	26328	53490	9.7	9.6	9.4	8.8	7.9	8.3	8.3	8.2	8.2	8.8	8.6	2.137	49.1	20.1	12.7	19	14	99
ND	100%	4/11/2008	102	10.9	16.1	6.0	78.5	5.4	0.8	4.9	169	961.3	7560	17045	10.2	10.1	10.0	9.1	8.1	8.5	8.5	8.4	8.4	9.2	8.8	2.138	49.7	25.5	12.8	18	13	99
ND	100%	4/12/2008	103	14.7	19.7	6.8	71.4	9.9	2.4	10.1	283	950.1	23002	48322	11.5	11.3	10.9	9.6	8.7	9.1	9.1	9.0	9.0	9.8	9.4	2.154	66.2	35.4	12.7	23	22	100
ND	100%	4/13/2008	104	5.1	6.9	1.3	70.5	0.0	3.0	9.6	318	954.7	11904	25338	10.9	11.1	11.0	10.7	10.0	10.3	10.4	10.3	10.3	10.8	10.6	2.157	68.5	35.4	12.7	16	14	88
ND	100%	4/14/2008	105	3.8	8.0	-0.7	55.5	0.0	2.8	8.7	281	962.8	23712	47378	10.1	10.2	10.2	10.0	9.6	9.8	9.9	9.8	9.8	10.0	10.0	2.154	65.6	35.4	12.7	15	13	79
ND	100%	4/15/2008	106	5.2	11.8	-2.1	48.3	0.0	1.7	7.2	217	968.9	29332	58353	10.3	10.3	10.2	9.9	9.6	9.8	9.8	9.8	9.7	10.0	10.0	2.152	63.9	35.4	12.7	16	14	78
ND	100%	4/16/2008	107	8.6	18.3	-1.7	47.3	0.0	0.8	5.7	206	971.2	29400	58926	11.7	10.9	10.4	9.9	9.5	9.8	9.8	9.8	9.7	10.0	10.0	2.150	62.5	35.4	12.7	17	14	85
ND	100%	4/17/2008	108	13.5	23.3	3.4	43.4	0.0	0.9	6.1	202	967.8	29258	59276	13.6	12.7	11.4	10.3	9.8	10.1	10.1	10.1	10.0	10.4	10.3	2.150	61.6	35.4	12.7	11	11	85
ND	100%	4/18/2008	109	16.1	25.6	6.3	48.0	0.0	1.0	8.2	243	964.7	27906	57534	15.2	14.5	13.0	10.7	10.0	10.4	10.4	10.3	10.3	10.8	10.6	2.148	60.4	35.4	12.7	10	11	74
ND	100%	4/19/2008	110	17.8	26.9	8.2	53.2	0.0	1.0	5.6	176	964.1	25733	52146	16.1	15.4	14.1	10.9	10.2	10.6	10.6	10.5	10.5	11.1	10.8	2.147	58.8	35.4	12.7	10	11	88
ND	100%	4/20/2008	111	13.0	15.2	11.5	84.8	0.0	2.7	8.4	103	967.5	6619	15032	15.3	15.4	15.3	11.2	10.0	9.5	8.9	8.7	8.5	9.1	8.7	5.308	55.9	35.4	12.7	10	11	95
LC	100%	4/21/2008	112	13.8	19.8	9.4	66.2	0.0	2.3	7.9	118	972.0	24606	51580	15.0	15.1	15.0	11.9	9.6	8.0	6.7	6.2	5.9	5.9	5.8	10.096	52.2	35.4	12.7	10	11	93
LC	100%	4/22/2008	113	13.8	21.2	4.6	67.2	0.0	1.5	7.1	191	972.2	28609	59427	15.8	15.9	15.7	12.8	9.8	8.0	6.8	6.2	5.9	5.9	5.8	10.098	47.5	35.4	12.7	10	11	99
LC	100%	4/23/2008	114	15.9	23.0	9.1	72.2	0.0	1.9	8.6	261	969.7	26626	55656	16.8	16.9	16.7	13.4	9.9	8.1	6.8	6.3	5.9	5.9	5.8	10.098	42.8	35.4	12.7	10	11	97
LC	100%	4/24/2008	115	15.2	20.1	9.8	48.3	0.0	2.6	9.4	289	970.4	29903	60434	17.1	17.2	17.2	14.2	10.0	8.3	6.9	6.3	5.9	5.9	5.8	10.096	38.1	35.4	12.7	10	11	91
LC	100%	4/25/2008	116	14.7	23.7	4.5	48.6	0.1	1.2	5.2	212	968.1	26475	53953	17.5	17.3	17.0	14.9	10.2	8.3	6.9	6.3	5.9	5.9	5.7	10.094	33.4	35.5	12.7	10	11	83
LC	100%	4/26/2008	117	14.6	18.1	7.6	69.4	0.8	2.5	8.7	160	966.8	21267	44897	17.8	17.9	17.9	15.3	10.4	8.4	7.0	6.4	5.9	5.9	5.8	10.093	28.8	36.3	12.7	10	11	88
LC	100%	4/27/2008	118	9.9	15.8	5.8	79.6	2.3	1.6	5.4	154	969.3	19377	39994	17.5	17.5	17.5	16.0	10.5	8.5	7.0	6.4	5.9	5.9	5.7	10.094	28.0	38.6	12.7	11	12	95
LC	100%	4/28/2008	119	8.9	11.0	6.4	95.8	13.5	2.1	6.8	164	958.9	3175	7924	16.4	16.5	16.6	15.8	10.7	8.5	7.0	6.4	5.9	5.9	5.7	10.098	32.4	52.1	12.6	11	13	99
LC	100%	4/29/2008	120	5.9	9.5	3.0	77.1	0.2	3.7	10.7	323	957.1	18311	37345	14.8	15.0	15.0	14.9	10.9	8.7	7.1	6.4	5.9	5.9	5.8	10.107	40.8	52.3	12.6	12	14	98
LC	100%	4/30/2008	121	3.8	8.1	0.3	63.0	0.0	2.4	9.7	289	964.8	29092	57245	13.8	13.9	13.9	13.9	12.3	8.8	7.2	6.5	5.9	5.9	5.7	10.104	38.1	52.3	12.7	12	13	96
#N/A	#N/A																															