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							
	66.5	88.5	48.4		3.34	3.8	27					74.1	74.2	73.9	71.2	64.1	57.3	51.6	47.1	43.6	43.0	42.9							
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	Tw10.2m	Tw11.5m	H310_z (m)	Lakelevel-mm (4oC)	cumul. rain-mm	Batt min-V	RH% CR10 enc	RH% MUX enc	Max of RHair
	19.2	**31.4**	**9.1**	**81.1**	**84.8**	**1.7**	**12.2**	**242.9**	**963.4**	**621596**	**1298656**	**23.4**	**23.5**	**23.3**	**21.8**	**17.8**	**14.1**	**10.9**	**8.4**	**6.4**	**6.1**	**6.0**	**10.2**	**98.0**	**84.8**	**12.6**	**14.8**	**19.2**	**100.5**

month 6

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-m	cumul. rain-mm	Batt min-V	RH% CR10 enc	RH% MUX enc	Max of RHair
LC	100%	6/1/2008	153	17.8	21.6	13.7	73.0	0.0	2.5	8.0	291	957.6	26518	54907	19.5	19.6	19.7	18.2	15.3	13.4	10.4	7.9	6.3	6.0	6.0	10.168	102.5	0.0	12.7	11	13	98
LC	100%	6/2/2008	154	16.4	22.6	10.6	68.6	0.0	2.3	8.2	298	962.3	31375	64286	19.6	19.7	19.8	19.1	15.5	13.4	10.4	7.9	6.3	6.0	5.9	10.164	98.2	0.0	12.7	11	13	93
LC	100%	6/3/2008	155	18.2	24.6	10.3	66.4	0.6	1.8	8.4	241	962.7	25015	51375	20.1	20.2	20.2	19.5	15.8	13.4	10.4	8.0	6.3	6.0	5.9	10.160	94.1	0.6	12.7	11	13	93
LC	100%	6/4/2008	156	15.7	18.2	14.2	95.9	14.5	1.4	4.3	109	958.9	7963	17685	20.2	20.3	20.4	19.9	16.0	13.4	10.5	8.1	6.3	6.0	6.0	10.171	105.0	15.1	12.7	11	25	99
LC	100%	6/5/2008	157	17.6	22.2	14.8	93.1	0.5	1.3	5.1	109	965.6	13243	28221	20.3	20.2	20.2	19.8	16.1	13.4	10.5	8.0	6.3	6.0	6.0	10.173	107.0	15.6	12.6	12	18	98
LC	100%	6/6/2008	158	21.1	28.1	16.3	87.9	0.0	2.2	7.2	219	969.0	22164	47167	21.1	21.0	20.6	19.9	16.2	13.5	10.5	8.1	6.3	6.0	6.0	10.166	100.2	15.6	12.6	13	18	95
LC	100%	6/7/2008	159	24.3	30.8	19.5	85.7	8.8	1.6	11.7	243	966.6	28668	61114	23.2	23.2	22.0	20.2	16.4	13.6	10.6	8.1	6.3	6.1	6.0	10.165	98.7	24.4	12.7	15	18	101
LC	100%	6/8/2008	160	23.1	29.5	19.6	91.8	12.1	1.5	12.2	242	963.2	23114	49526	24.9	24.9	23.7	20.6	16.7	13.6	10.6	8.3	6.4	6.1	6.0	10.174	108.5	36.5	12.7	16	20	100
LC	100%	6/9/2008	161	25.7	31.4	20.0	79.6	0.1	1.6	7.3	261	961.8	30573	64583	25.9	25.9	25.1	20.9	16.9	13.7	10.7	8.4	6.4	6.1	6.0	10.182	115.6	36.6	12.7	17	21	100
LC	100%	6/10/2008	162	24.8	31.4	19.7	80.1	2.9	1.5	10.5	248	962.4	27512	57909	27.1	27.0	26.1	21.3	17.1	13.7	10.7	8.4	6.4	6.1	6.0	10.178	112.3	39.5	12.7	16	19	99
LC	100%	6/11/2008	163	20.7	25.4	16.0	75.2	0.1	2.1	7.5	299	967.1	31445	65510	26.5	26.6	26.6	21.7	17.2	13.8	10.7	8.4	6.5	6.1	6.0	10.175	109.2	39.6	12.7	15	18	97
LC	100%	6/12/2008	164	20.1	25.4	15.1	66.9	0.0	1.9	6.8	251	972.3	33885	70777	25.8	25.9	26.0	22.2	17.4	13.9	10.8	8.4	6.5	6.1	6.0	10.169	102.9	39.6	12.7	14	16	95
LC	100%	6/13/2008	165	21.0	26.8	13.0	75.9	0.0	1.7	7.0	187	971.2	30750	63914	25.8	25.9	25.7	23.0	17.6	13.9	10.8	8.4	6.5	6.1	6.0	10.163	97.2	39.6	12.7	15	17	99
LC	100%	6/14/2008	166	22.3	27.5	19.6	88.2	4.8	1.4	6.8	211	964.2	19492	41085	26.0	26.0	25.9	23.6	17.7	14.0	10.9	8.4	6.5	6.1	6.0	10.160	94.2	44.4	12.7	16	20	100
LC	100%	6/15/2008	167	21.1	25.3	17.9	79.1	0.0	1.9	7.2	283	960.4	27238	56667	25.8	25.9	26.0	23.9	17.9	14.1	10.9	8.5	6.5	6.2	6.0	10.160	93.9	44.4	12.7	17	22	100
LC	100%	6/16/2008	168	18.6	25.2	14.0	81.9	5.5	1.7	12.0	224	957.6	21612	45430	25.5	25.6	25.6	24.6	18.0	14.1	10.9	8.5	6.5	6.1	6.0	10.156	89.9	49.9	12.6	15	18	98
LC	100%	6/17/2008	169	14.5	17.9	10.6	87.2	2.3	2.2	8.0	280	956.8	21070	43320	24.2	24.3	24.4	24.2	18.2	14.3	11.0	8.5	6.5	6.2	6.1	10.156	89.8	52.2	12.6	14	20	99
LC	100%	6/18/2008	170	12.9	16.6	10.2	91.3	9.6	1.4	6.3	264	955.5	16920	35078	22.9	23.0	23.1	23.0	18.5	14.3	11.0	8.6	6.5	6.2	6.1	10.157	91.0	61.8	12.7	14	21	99
LC	100%	6/19/2008	171	14.0	18.4	9.1	82.4	0.2	1.7	5.9	274	960.0	27626	57054	22.3	22.4	22.4	22.1	19.0	14.4	11.1	8.6	6.5	6.1	6.1	10.161	95.2	62.0	12.7	14	20	100
LC	100%	6/20/2008	172	16.3	21.3	11.5	79.4	0.6	1.6	6.2	263	963.6	23625	49075	22.2	22.3	22.3	22.0	19.3	14.4	11.2	8.6	6.5	6.2	6.1	10.157	91.3	62.6	12.7	15	18	95
LC	100%	6/21/2008	173	18.5	25.0	11.9	74.7	0.0	1.5	6.5	267	965.3	30260	62755	22.6	22.6	22.5	22.1	19.6	14.5	11.2	8.7	6.5	6.2	6.1	10.154	87.8	62.6	12.7	16	19	99
LC	100%	6/22/2008	174	19.0	24.9	14.5	88.6	8.7	1.2	7.4	210	962.7	20413	42486	23.0	23.1	23.0	22.3	19.9	14.7	11.3	8.7	6.5	6.2	6.1	10.154	88.2	71.3	12.7	17	21	98
LC	100%	6/23/2008	175	20.0	24.6	16.2	79.8	10.4	1.4	7.3	225	962.3	26240	54791	23.6	23.6	23.3	22.7	20.0	14.8	11.3	8.7	6.6	6.2	6.1	10.163	96.9	81.7	12.6	19	30	100
LC	100%	6/24/2008	176	17.7	21.1	15.1	80.2	3.1	2.3	9.4	295	966.2	24241	50554	23.3	23.5	23.5	23.1	20.1	14.9	11.4	8.8	6.6	6.2	6.1	10.161	95.2	84.8	12.6	17	22	91
LC	100%	6/25/2008	177	18.7	24.4	11.6	74.4	0.0	1.6	6.0	263	969.5	30630	63386	23.3	23.4	23.4	22.9	20.4	15.1	11.4	8.8	6.6	6.2	6.1	10.159	92.8	84.8	12.7	17	21	98
#N/A	25%	6/26/2008	178	18.9	19.3	18.3	80.7	0.0	0.8	2.0	258	964.9	5	2	23.4	23.7	23.7	23.0	20.6	15.2	11.4	8.7	6.6	6.2	6.1	10.156	90.3	84.8	12.7	17	20	87
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