Lake Lacawac, Bruce R. Hargreaves, Lehigh University (brh0@lehigh.edu, http://www.lehigh.edu/~brh0)
Station moved from shallow water (ca. 2.5m max) at dock to lake center on 21 April 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 in October 2006 based on 1:15 minutes in cooler filled with surface lake water

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 4°C (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							
		42.6	79.0	19.4		4.83	5.0	29					45.4	45.1	44.9	43.8	42.1	41.5	41.3	41.2	41.1	40.9	#N/A							
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	Tw02.0 m	Tw03.3 m	H310_z (m)	Lakelevel-mm (4oC)	cumul. rain-mm	Batt min-V	RH% CR10 enc	RH% MUX enc	Max of RHair
		5.9	**26.1**	**-7.0**	**74.7**	**122.6**	**2.2**	**12.9**	**225.0**	**959.4**	**464989**	**968006**	**7.5**	**7.3**	**7.2**	**6.5**	**5.6**	**5.3**	**5.2**	**5.1**	**5.0**	**4.9**	**#N/A**	**4.6**	**30.3**	**122.6**	**12.6**	**29.7**	**13.9**	**102.9**

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-	cumul. rain-mm	Batt min-V	RH% CR10 enc	RH% MUX enc	Max of RHair
ND	100%	4/1/2007	91	3.7	6.1	2.4	73.4	3.3	0.7	5.2	129	968.1	3210	7576	4.5	4.6	4.5	4.4	4.5	4.4	4.4	4.4	4.4	4.4	4.4	2.0	16.7	3.3	12.7	37	13	102
ND	100%	4/2/2007	92	10.2	19.8	0.6	76.3	4.9	1.6	9.7	200	960.7	23631	48898	5.2	5.2	5.1	4.9	4.9	4.8	4.9	4.9	4.9	5.0	4.8	2.0	22.6	8.2	12.7	40	14	103
ND	100%	4/3/2007	93	10.7	19.7	5.2	73.5	0.0	1.2	7.0	168	965.2	25086	51554	7.7	6.5	6.2	5.8	5.6	5.6	5.6	5.7	5.7	5.9	5.5	2.0	22.3	8.2	12.8	43	14	100
ND	100%	4/4/2007	94	2.6	5.0	1.3	100.0	13.9	1.7	8.4	134	957.0	1283	3330	6.3	6.1	6.1	6.0	5.8	5.7	5.7	5.8	5.9	5.9	5.7	2.0	28.8	22.1	12.7	38	14	102
ND	100%	4/5/2007	95	-1.3	1.7	-4.1	76.9	0.1	3.2	9.6	303	952.8	11054	22913	5.8	5.9	5.9	5.8	5.8	5.7	5.8	5.8	5.9	5.8	5.7	2.0	32.6	22.2	12.6	34	14	96
ND	100%	4/6/2007	96	-2.7	-0.8	-4.6	66.7	0.0	2.5	8.0	295	954.1	9534	19791	5.1	5.1	5.1	5.0	5.1	5.0	5.1	5.1	5.0	5.0	5.1	2.0	26.8	22.2	12.7	31	14	90
ND	100%	4/7/2007	97	-3.4	-0.8	-7.0	69.3	0.0	2.1	7.9	292	952.4	16505	32509	4.8	4.9	4.9	4.8	4.9	4.8	4.9	4.9	4.8	4.8	4.8	2.0	22.5	22.2	12.7	31	15	90
ND	100%	4/8/2007	98	-3.0	-0.7	-5.7	79.2	0.1	2.6	7.7	289	956.8	13095	26672	4.6	4.6	4.6	4.6	4.7	4.6	4.7	4.6	4.6	4.6	4.7	2.0	18.6	22.3	12.7	30	14	96
ND	100%	4/9/2007	99	-1.3	1.0	-2.9	69.3	0.0	2.9	8.2	312	961.7	12241	25226	4.4	4.4	4.4	4.3	4.4	4.4	4.5	4.5	4.4	4.3	4.5	2.0	14.3	22.3	12.7	33	14	78
ND	100%	4/10/2007	100	-0.1	3.9	-3.4	65.5	0.0	2.4	9.1	302	963.9	19054	37860	4.3	4.4	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	2.0	10.7	22.3	12.7	35	14	83
ND	100%	4/11/2007	101	2.3	9.4	-5.7	69.3	0.6	0.9	6.0	174	965.8	23889	48079	5.1	4.5	4.5	4.4	4.6	4.6	4.6	4.6	4.5	4.5	4.6	2.0	7.7	22.9	12.8	36	14	97
ND	100%	4/12/2007	102	1.6	4.4	0.2	96.7	12.2	1.9	8.7	123	955.5	4697	10422	4.9	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.7	2.0	15.1	35.1	12.7	37	14	101
ND	100%	4/13/2007	103	2.9	4.3	2.0	79.5	0.1	3.5	12.3	301	958.2	6067	13517	4.8	4.8	4.8	4.9	4.9	4.8	4.8	4.9	4.9	4.9	4.8	2.0	17.7	35.2	12.7	38	14	95
ND	100%	4/14/2007	104	3.8	7.9	-0.2	63.4	0.0	2.4	10.2	253	962.6	21588	44138	5.4	5.2	5.1	5.1	5.0	5.0	5.0	5.1	5.1	5.1	5.0	2.0	14.0	35.2	12.6	39	13	75
ND	100%	4/15/2007	105	2.3	5.1	1.0	96.9	55.4	3.0	8.5	109	949.5	1827	4859	4.9	4.9	4.9	4.8	4.9	4.9	4.9	4.9	4.9	4.8	4.9	2.0	38.5	90.6	12.6	38	15	101
ND	100%	4/16/2007	106	0.2	1.8	-0.9	100.6	11.9	4.6	11.0	319	931.8	5488	12693	4.4	4.4	4.3	4.2	4.4	4.4	4.4	4.4	4.4	4.1	4.5	2.1	83.0	102.5	12.6	37	23	103
ND	100%	4/17/2007	107	2.3	3.3	1.0	93.6	0.3	3.6	9.1	324	948.9	8567	19107	4.3	4.3	4.3	4.3	4.4	4.3	4.4	4.4	4.4	4.3	4.4	2.1	65.7	102.8	12.6	39	17	101
ND	100%	4/18/2007	108	5.3	9.0	1.7	80.6	0.0	2.0	5.9	120	956.6	12338	26805	4.9	4.8	4.8	4.8	4.7	4.7	4.8	4.8	4.8	4.8	4.7	2.1	52.3	102.8	12.6	41	15	92
ND	100%	4/19/2007	109	7.7	14.0	3.8	78.0	0.1	1.1	5.3	105	961.0	12817	27724	5.9	5.5	5.5	5.3	5.3	5.2	5.3	5.3	5.4	5.4	5.2	2.0	44.1	102.9	12.8	43	15	99
ND	100%	4/20/2007	110	9.9	18.2	0.1	56.4	0.1	1.4	8.3	186	966.7	29987	60255	7.5	6.7	6.5	6.2	6.0	6.0	6.0	6.1	6.2	6.4	5.9	2.0	38.1	103.0	12.8	43	16	101
ND	100%	4/21/2007	111	12.4	21.1	2.2	47.2	0.0	1.4	7.8	274	969.2	29171	59016	8.3	7.8	7.4	6.7	6.3	6.1	6.0	6.1	6.1	6.1	#N/A	4.7	29.3	103.0	12.8	39	16	88
LC	100%	4/22/2007	112	14.8	24.3	3.0	43.7	0.0	1.2	8.5	253	969.7	29674	60793	10.4	9.6	8.7	7.2	6.3	5.7	5.4	5.1	4.9	4.7	#N/A	10.2	25.5	103.0	12.8	16	11	84
LC	100%	4/23/2007	113	19.8	26.1	9.4	40.6	0.0	2.5	10.3	229	964.3	26456	54533	11.7	11.4	10.3	7.7	6.4	5.8	5.4	5.2	5.0	4.8	#N/A	10.2	25.3	103.0	12.8	12	10	87
LC	100%	4/24/2007	114	13.3	19.3	7.9	68.9	0.0	3.1	10.7	297	963.5	24669	51481	12.7	12.6	12.4	9.1	6.6	5.9	5.5	5.3	5.0	4.8	#N/A	10.2	25.1	103.0	12.8	11	11	92
LC	100%	4/25/2007	115	7.4	13.0	3.8	72.8	12.7	1.5	6.6	126	965.6	10078	21793	12.6	12.6	12.5	9.9	6.8	5.9	5.5	5.3	5.0	4.8	#N/A	10.2	27.8	115.7	12.8	12	13	100
LC	100%	4/26/2007	116	8.8	13.6	4.0	80.2	0.0	2.3	8.5	136	967.2	20979	44536	12.5	12.5	12.5	10.2	6.9	6.0	5.5	5.3	5.0	4.8	4.8	10.2	36.1	115.7	12.7	12	12	101
LC	100%	4/27/2007	117	9.4	13.8	6.2	97.2	5.1	1.2	4.7	143	959.4	6827	15678	12.7	12.6	12.5	11.0	7.0	6.0	5.5	5.3	5.0	4.8	4.7	10.2	38.4	120.8	12.7	11	12	101
LC	100%	4/28/2007	118	11.6	13.9	9.1	87.6	0.8	1.6	7.4	266	956.8	10202	22432	12.6	12.6	12.6	11.1	7.1	6.0	5.5	5.3	5.0	4.8	4.7	10.2	37.8	121.6	12.7	11	12	100
LC	100%	4/29/2007	119	11.4	17.6	8.2	80.9	0.6	2.5	10.5	303	958.2	15028	31990	12.6	12.6	12.6	11.9	7.3	6.1	5.6	5.3	5.0	4.8	4.7	10.2	37.1	122.2	12.7	12	12	100
LC	100%	4/30/2007	120	13.6	19.1	6.6	55.5	0.4	3.8	12.9	284	958.0	29946	61828	12.8	12.7	12.7	12.5	8.0	6.3	5.6	5.3	5.0	4.8	4.7	10.2	34.0	122.6	12.7	11	11	93
#N/A	#N/A																															