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 29 October 2006
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							
	36.7	67.0	9.9		1.53	3.8	27					38.9	39.3	39.4	39.7	40.3	40.1	40.3	40.3	40.3	40.0	40.5							
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. 3m	H310_z (m)	Lakelevel-mm (4oC)	cumul. rain-mm	Batt min-V	RH% CR10 enc	RH% MUX enc	Max of RHair
	2.6	**19.4**	**-12.3**	**76.3**	**38.8**	**1.7**	**12.3**	**244.7**	**966.9**	**156952**	**313987**	**3.8**	**4.1**	**4.1**	**4.3**	**4.6**	**4.5**	**4.6**	**4.6**	**4.6**	**4.4**	**4.7**	**2.0**	**-14.9**	**38.8**	**12.5**	**19.8**	**13.9**	**102.4**

month (All)

Data

% 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	TW12 m	H310 depth-m (4oC)	Lakelevel-mm (4oC)	cumul. rain-mm	Batt min-V	RH% CR10 enc	RH% MUX enc	Max of RHair
100%	12/1/2006	335	15.5	19.4	4.9	87.8	12.3	2.2	11.3	264	954.3	1362	3271	8.6	8.3	8.2	7.9	7.9	7.9	8.0	8.0	7.9	8.2	7.9	2.0	9.4	12.3	12.6	28	16	98
100%	12/2/2006	336	2.6	4.7	0.0	65.6	0.0	3.6	9.7	300	966.1	4896	9811	7.8	7.8	7.7	7.7	7.8	7.7	7.8	7.8	7.8	7.9	7.9	2.0	15.3	12.3	12.5	18	14	72
100%	12/3/2006	337	0.9	5.7	-2.3	67.1	0.0	1.1	6.7	258	972.9	7369	14345	6.9	6.9	6.9	6.8	7.0	6.9	7.0	7.0	7.0	7.0	7.1	2.0	8.2	12.3	12.5	17	14	89
100%	12/4/2006	338	-2.0	0.3	-5.2	69.1	0.0	2.8	12.3	294	965.4	7580	14315	6.3	6.4	6.3	6.2	6.4	6.4	6.5	6.5	6.5	6.4	6.6	2.0	3.1	12.3	12.7	16	15	84
100%	12/5/2006	339	-4.1	-1.9	-5.5	69.3	0.0	1.9	8.7	273	968.3	5109	9896	5.6	5.6	5.5	5.5	5.8	5.7	5.8	5.8	5.8	5.7	6.0	2.0	-2.5	12.3	12.7	15	15	82
100%	12/6/2006	340	-0.3	5.0	-6.2	68.9	0.0	1.3	6.7	259	967.8	5326	10539	5.1	5.1	5.1	5.0	5.4	5.3	5.4	5.3	5.3	5.3	5.5	2.0	-6.1	12.3	12.6	16	14	95
100%	12/7/2006	341	0.4	5.7	-7.7	76.3	0.0	2.1	9.7	262	960.8	2429	5141	4.8	4.8	4.8	4.7	5.1	5.0	5.2	5.1	5.2	5.0	5.3	2.0	-9.4	12.3	12.6	17	14	99
100%	12/8/2006	342	-8.3	-5.3	-12.3	72.7	0.0	4.0	12.1	306	966.6	7848	14474	3.5	3.6	3.6	3.5	4.0	3.9	4.0	4.0	4.1	3.7	4.3	2.0	-13.6	12.3	12.5	15	16	90
100%	12/9/2006	343	-3.3	1.3	-8.1	59.9	0.0	1.9	7.8	265	970.4	7360	14296	2.9	3.1	3.2	3.4	3.9	3.7	3.8	3.8	3.9	3.5	4.0	2.0	-18.0	12.3	12.6	16	15	84
100%	12/10/2006	344	4.6	9.6	0.6	43.6	0.0	2.2	7.7	273	970.4	7267	14399	3.0	3.1	3.1	3.4	3.8	3.7	3.8	3.7	3.8	3.5	4.0	2.0	-20.9	12.3	12.6	19	13	58
100%	12/11/2006	345	5.4	9.0	1.3	55.6	0.0	1.0	7.5	233	975.1	6722	13819	2.5	3.1	3.2	3.6	4.1	3.9	4.0	4.0	4.0	3.6	4.2	2.0	-22.8	12.3	12.7	20	13	75
100%	12/12/2006	346	4.7	7.5	3.3	81.5	0.0	1.0	5.4	110	978.9	5456	11295	3.2	3.3	3.3	3.7	4.2	4.0	4.1	4.1	4.2	3.8	4.2	2.0	-23.6	12.3	12.7	20	13	95
100%	12/13/2006	347	6.3	8.9	3.3	99.6	3.3	0.8	4.7	230	968.5	1746	3879	3.2	3.5	3.5	3.8	4.1	4.0	4.1	4.1	4.1	3.9	4.2	2.0	-21.9	15.6	12.6	20	13	101
100%	12/14/2006	348	8.0	13.6	3.1	84.5	0.1	0.9	5.9	258	961.7	7002	14084	3.2	3.6	3.6	3.9	4.3	4.2	4.3	4.2	4.3	4.0	4.4	2.0	-20.9	15.7	12.5	23	13	102
100%	12/15/2006	349	8.0	11.3	3.0	78.8	1.0	1.1	11.0	257	953.7	4860	10104	3.7	3.9	3.9	4.1	4.3	4.2	4.3	4.3	4.3	4.2	4.4	2.0	-21.4	16.7	12.6	23	13	98
100%	12/16/2006	350	2.9	5.0	-1.0	76.1	0.0	2.3	9.3	281	963.3	5148	10317	3.5	3.7	3.7	3.8	4.2	4.0	4.1	4.1	4.2	4.0	4.2	2.0	-22.3	16.7	12.6	20	14	97
100%	12/17/2006	351	7.9	14.0	-0.8	66.0	0.0	0.9	6.8	250	964.9	4985	10406	3.4	3.8	3.8	4.1	4.4	4.3	4.4	4.4	4.4	4.2	4.5	2.0	-23.7	16.7	12.5	22	13	97
100%	12/18/2006	352	8.0	12.2	2.1	86.6	0.7	1.6	7.7	277	965.2	1671	3607	4.1	4.1	4.2	4.3	4.6	4.4	4.5	4.5	4.5	4.5	4.6	2.0	-23.7	17.4	12.5	25	13	99
100%	12/19/2006	353	0.2	2.2	-2.1	72.2	0.0	2.3	7.5	309	970.1	5208	10132	3.4	3.7	3.7	3.8	4.1	4.0	4.1	4.1	4.1	3.9	4.2	2.0	-25.6	17.4	12.5	18	14	84
100%	12/20/2006	354	0.2	5.8	-4.0	67.4	0.0	1.0	4.6	252	973.1	6909	13393	2.9	3.5	3.5	3.9	4.2	4.1	4.2	4.1	4.2	3.9	4.2	2.0	-27.7	17.4	12.5	19	15	92
100%	12/21/2006	355	3.2	7.8	-1.6	64.5	0.0	1.3	7.6	271	970.8	5053	10259	3.0	3.4	3.5	4.0	4.3	4.2	4.3	4.3	4.3	4.0	4.4	2.0	-29.4	17.4	12.6	20	14	92
100%	12/22/2006	356	0.4	3.7	-2.5	93.9	8.3	0.9	5.6	137	971.5	1046	2377	1.9	3.3	3.5	4.2	4.4	4.3	4.4	4.4	4.4	4.1	4.5	2.0	-28.5	25.7	12.5	17	14	100
100%	12/23/2006	357	6.3	10.4	3.6	88.6	3.3	1.6	8.3	220	957.2	5616	11393	3.3	3.5	3.5	3.7	4.2	4.0	4.2	4.1	4.1	3.9	4.2	2.0	-18.5	29.0	12.5	24	13	102
100%	12/24/2006	358	4.5	6.5	0.9	75.4	0.0	2.6	11.4	277	963.2	6949	13585	3.5	3.6	3.6	3.6	4.0	3.8	3.9	3.9	3.9	3.9	4.0	2.0	-19.3	29.0	12.6	23	13	85
100%	12/25/2006	359	0.3	2.4	-2.6	93.6	6.1	1.2	5.7	163	965.0	2263	5136	2.6	3.2	3.3	3.8	4.1	4.0	4.1	4.1	4.2	3.8	4.2	2.0	-20.1	35.1	12.5	18	14	101
100%	12/26/2006	360	3.1	7.3	0.8	98.1	3.5	1.8	8.1	200	945.9	2621	5474	3.3	3.3	3.4	3.5	3.8	3.8	3.9	3.9	3.9	3.7	3.9	2.0	-11.5	38.6	12.5	22	13	102
100%	12/27/2006	361	0.2	1.3	-1.2	84.9	0.2	2.7	8.8	299	957.8	4503	9031	3.2	3.2	3.2	3.2	3.6	3.5	3.5	3.5	3.6	3.4	3.7	2.0	-10.4	38.8	12.5	19	14	102
100%	12/28/2006	362	1.5	4.6	-1.3	79.4	0.0	1.0	6.0	259	972.7	5065	10424	2.8	3.2	3.2	3.4	3.8	3.7	3.8	3.8	3.8	3.6	3.9	2.0	-12.0	38.8	12.5	20	14	93
100%	12/29/2006	363	1.4	5.8	-1.2	89.0	0.0	0.6	4.1	136	980.4	6407	12801	2.3	3.0	3.1	3.7	4.1	4.0	4.0	4.1	4.1	3.7	4.1	2.0	-13.2	38.8	12.5	22	14	101
100%	12/30/2006	364	1.7	5.9	-0.8	78.7	0.0	2.0	9.1	244	976.3	3975	8107	2.8	3.2	3.3	3.6	4.0	3.9	3.9	3.9	3.9	3.7	4.0	2.0	-14.6	38.8	12.6	21	14	94
100%	12/31/2006	365	1.1	6.1	-2.6	71.9	0.0	1.2	5.1	174	974.1	7202	13877	2.6	2.9	3.0	3.4	3.7	3.6	3.7	3.6	3.6	3.4	3.7	2.0	-16.7	38.8	12.5	22	14	89