Lake Lacawac, Bruce R. Hargreaves, Lehigh University (brh0@lehigh.edu, http://www.lehigh.edu/~brh0)
Station moved from lake center to shallow water (ca. 2.5m max) at dock on 6 November.
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 based on uniform mixing pattern and PUV profile

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

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						
	27.2	61.2	6.5		1.59	4.7	34					32.5	39.3	39.4	39.5	40.3	39.7	39.9	39.9	39.5	39.8	39.5						
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	Tw H310-C	Tw 12m	H310 depth-m (4oC)	Lakelevel-mm (4oC)	cumul. rain-mm	Batt min-V	RH% CR10 enc	RH% MUX enc
	-2.6	**16.2**	**-14.2**	**71.9**	**40.3**	**2.1**	**15.4**	**230.8**	**960.1**	**290650**	**561995**	**0.3**	**4.1**	**4.1**	**4.2**	**4.6**	**4.3**	**4.4**	**4.4**	**4.1**	**4.4**	**4.2**	**2.1**	**101.6**	**40.3**	**12.2**	**17.3**	**15.0**

month	(All)

	Data																												
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	TW3m	TW4m	TW5m	TW6m	TW8m	TW H310-C	TW12m	H310 depth-m (4oC)	Lakelevel-mm (4oC)	cumul. rain-mm	Batt min-V	RH% CR10 enc	RH% MUX enc
2/1/2006	32	-0.9	-0.3	-1.8	78.4	0.0	2.2	8.5	246	959.9	3878	8152	0.0	4.1	4.2	4.3	4.7	4.5	4.5	4.5	4.3	4.5	4.3	2.1	106.7	0.0	12.3	16	14
2/2/2006	33	2.2	5.5	-1.6	80.7	0.0	0.3	4.4	101	959.9	3660	7773	0.0	4.2	4.2	4.3	4.8	4.5	4.6	4.6	4.3	4.6	4.3	2.1	104.0	0.0	12.3	16	14
2/3/2006	34	6.8	10.7	3.2	87.3	16.4	1.7	9.2	188	953.1	4274	8974	0.0	4.1	4.2	4.2	4.7	4.4	4.5	4.5	4.2	4.4	4.2	2.1	116.8	16.4	12.3	20	13
2/4/2006	35	3.0	8.2	-1.6	96.6	13.4	1.6	7.4	65	953.7	3503	7611	0.0	4.1	4.1	4.2	4.7	4.3	4.4	4.4	4.1	4.4	4.2	2.1	124.5	29.8	12.3	17	14
2/5/2006	36	2.2	9.6	-1.7	79.8	3.6	2.2	10.1	262	942.4	3689	7668	0.1	4.2	4.2	4.2	4.6	4.3	4.4	4.4	4.2	4.5	4.3	2.1	140.9	33.4	12.2	18	14
2/6/2006	37	-2.1	-0.7	-4.9	66.6	0.0	3.0	10.9	269	951.6	9389	17973	0.2	4.1	4.2	4.3	4.6	4.3	4.4	4.4	4.2	4.4	4.3	2.1	137.4	33.4	12.2	16	15
2/7/2006	38	-2.2	-0.6	-4.5	69.9	0.0	3.1	9.8	301	958.2	6963	13736	0.1	4.2	4.2	4.2	4.6	4.3	4.4	4.4	4.2	4.3	4.2	2.1	131.5	33.4	12.4	16	14
2/8/2006	39	-5.2	-3.2	-7.2	80.6	0.0	1.9	6.8	290	961.5	6878	13369	0.0	4.3	4.3	4.2	4.7	4.3	4.4	4.4	4.1	4.3	4.2	2.1	126.2	33.4	12.4	15	15
2/9/2006	40	-6.6	-2.9	-9.8	69.4	0.0	2.3	8.8	303	961.6	14007	25756	-0.1	4.3	4.3	4.3	4.7	4.3	4.4	4.4	4.2	4.4	4.2	2.1	121.4	33.4	12.3	17	16
2/10/2006	41	-5.8	-2.2	-9.4	84.6	0.0	1.1	7.7	175	963.8	6139	12479	-0.2	4.2	4.3	4.3	4.7	4.4	4.5	4.5	4.3	4.4	4.3	2.1	116.6	33.4	12.4	15	16
2/11/2006	42	-4.0	-0.6	-7.4	85.1	0.1	1.3	6.0	52	962.5	9789	19061	-0.1	4.2	4.2	4.2	4.7	4.4	4.5	4.5	4.2	4.5	4.2	2.1	112.2	33.5	12.4	16	15
2/12/2006	43	-6.8	-4.8	-9.2	90.6	0.0	3.3	9.8	224	951.2	5887	12398	-0.1	4.2	4.2	4.3	4.7	4.3	4.4	4.4	4.2	4.4	4.3	2.1	114.6	33.5	12.4	15	15
2/13/2006	44	-6.1	-1.4	-11.6	75.5	1.2	1.9	8.5	274	956.2	11946	22927	-0.2	4.1	4.1	4.2	4.7	4.3	4.4	4.4	4.1	4.4	4.2	2.1	111.4	34.7	12.3	16	16
2/14/2006	45	-1.4	3.9	-6.4	69.5	0.0	1.2	6.9	254	961.6	12607	24567	-0.2	4.1	4.1	4.2	4.7	4.3	4.4	4.4	4.1	4.4	4.2	2.1	105.4	34.7	12.4	18	15
2/15/2006	46	5.0	12.8	-2.8	55.7	0.0	0.7	6.3	222	967.3	15348	30162	-0.2	4.0	4.1	4.2	4.7	4.3	4.4	4.4	4.1	4.4	4.2	2.1	100.3	34.7	12.4	22	14
2/16/2006	47	6.8	16.2	-1.9	62.6	0.0	0.5	5.8	141	968.7	14563	29228	0.0	4.2	4.2	4.3	4.7	4.5	4.5	4.5	4.2	4.4	4.3	2.1	97.5	34.7	12.4	23	13
2/17/2006	48	4.7	10.3	-5.1	62.3	5.6	3.8	15.4	284	961.2	13601	26443	1.6	4.3	4.3	4.3	4.5	4.4	4.4	4.4	4.3	4.4	4.3	2.1	102.3	40.3	12.4	23	15
2/18/2006	49	-8.7	-4.7	-13.8	66.5	0.0	3.4	11.9	302	966.6	9235	18109	1.2	4.1	4.1	4.2	4.4	4.3	4.3	4.3	4.2	4.3	4.2	2.1	101.5	40.3	12.4	16	16
2/19/2006	50	-10.4	-5.5	-14.2	57.3	0.0	2.5	8.5	287	969.7	17424	32143	0.8	4.1	4.1	4.2	4.5	4.3	4.3	4.3	4.1	4.3	4.1	2.1	97.3	40.3	12.2	17	17
2/20/2006	51	-6.6	-1.6	-10.8	56.0	0.0	1.3	6.5	228	964.0	17289	32151	0.4	4.0	4.1	4.2	4.5	4.3	4.3	4.3	4.1	4.3	4.1	2.1	92.2	40.3	12.3	18	16
2/21/2006	52	-3.2	0.6	-8.0	62.5	0.0	1.7	8.2	228	959.8	13046	24595	0.4	4.1	4.1	4.3	4.6	4.3	4.4	4.4	4.2	4.4	4.3	2.1	87.5	40.3	12.3	16	15
2/22/2006	53	-1.6	5.3	-9.0	73.0	0.0	0.5	5.1	158	961.9	11699	22754	0.2	4.2	4.2	4.3	4.7	4.4	4.5	4.5	4.3	4.4	4.4	2.1	82.6	40.3	12.3	17	15
2/23/2006	54	0.2	4.2	-2.0	86.8	0.0	0.9	7.1	214	957.5	8805	17299	0.3	4.2	4.3	4.3	4.7	4.5	4.6	4.6	4.3	4.5	4.4	2.1	78.9	40.3	12.3	17	14
2/24/2006	55	-3.8	1.4	-7.2	59.6	0.0	4.5	13.1	301	964.5	15793	29845	0.9	4.2	4.2	4.3	4.6	4.3	4.4	4.4	4.3	4.4	4.3	2.1	76.1	40.3	12.3	17	15
2/25/2006	56	-2.7	6.0	-8.3	56.6	0.0	2.3	12.0	220	963.1	11993	23372	0.7	4.0	4.0	4.1	4.5	4.2	4.3	4.3	4.1	4.2	4.1	2.1	71.7	40.3	12.3	17	15
2/26/2006	57	-10.0	-7.1	-11.4	65.8	0.0	4.0	12.0	322	965.1	12625	23712	1.2	3.7	3.8	3.9	4.3	4.1	4.1	4.1	3.9	4.1	3.9	2.1	66.7	40.3	12.3	16	16
2/27/2006	58	-9.7	-5.8	-12.4	67.3	0.0	2.7	10.9	252	960.4	13560	25194	0.6	3.4	3.5	3.6	4.1	3.9	3.9	3.9	3.7	3.8	3.7	2.1	61.8	40.3	12.3	16	16
2/28/2006	59	-7.4	-3.7	-10.2	65.3	0.0	3.0	10.1	299	956.0	13060	24544	0.4	3.3	3.4	3.6	4.1	3.8	3.9	3.9	3.7	3.8	3.7	2.1	57.7	40.3	12.3	16	16