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						
	32.3	57.1	6.9		5.21	3.4	34					31.9	38.6	39.2	39.3	40.2	39.6	39.7	39.8	39.2	39.6	39.4						
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
	0.2	**13.9**	**-14.0**	**83.3**	**132.3**	**1.5**	**15.2**	**209.4**	**961.1**	**177493**	**357935**	**0.0**	**3.7**	**4.0**	**4.0**	**4.6**	**4.2**	**4.3**	**4.3**	**4.0**	**4.2**	**4.1**	**2.1**	**115.1**	**132.3**	**12.1**	**16.1**	**14.7**

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
1/1/2006	1	-0.3	1.4	-3.5	98.2	2.4	0.1	3.0	151	962.1	2203	4716	-0.1	3.5	3.8	3.9	4.5	4.0	4.2	4.2	3.8	4.1	4.0	2.1	112.0	2.4	12.1	14	14
1/2/2006	2	0.0	2.5	-2.0	97.3	4.0	0.7	6.1	75	966.2	2404	5425	-0.1	3.3	3.8	3.9	4.6	4.0	4.1	4.2	3.8	4.2	4.0	2.1	108.2	6.4	12.1	14	14
1/3/2006	3	-0.1	0.3	-0.6	101.8	5.0	1.8	6.5	77	960.3	1703	5539	-0.1	3.4	3.8	3.9	4.7	4.2	4.2	4.2	3.8	4.3	3.9	2.1	123.0	11.4	12.1	14	14
1/4/2006	4	-1.4	1.3	-4.9	97.1	3.2	0.4	3.0	95	960.4	3762	11440	-0.1	3.3	3.8	3.9	4.7	4.2	4.2	4.2	3.8	4.3	4.0	2.1	116.7	14.6	12.1	15	14
1/5/2006	5	1.4	3.8	-1.0	94.9	8.8	0.7	5.7	231	951.5	2847	6266	-0.1	3.3	3.8	3.9	4.7	4.2	4.2	4.2	3.9	4.2	4.0	2.1	111.5	23.4	12.1	15	14
1/6/2006	6	-2.3	1.0	-7.4	83.0	0.0	3.1	8.4	325	953.8	5109	10452	-0.1	3.3	3.8	3.9	4.6	4.1	4.2	4.2	3.8	4.2	4.0	2.1	108.3	23.4	12.1	15	14
1/7/2006	7	-6.0	-2.0	-11.0	81.6	0.0	1.1	6.3	238	957.6	6791	13258	-0.1	3.2	3.8	3.9	4.5	4.1	4.2	4.2	3.8	4.1	4.0	2.1	103.6	23.4	12.1	15	16
1/8/2006	8	-0.7	2.6	-3.3	80.5	1.4	0.7	5.5	217	961.4	5851	11638	-0.1	3.2	3.8	3.8	4.5	4.0	4.1	4.1	3.8	4.1	4.0	2.1	98.5	24.8	12.4	15	14
1/9/2006	9	4.0	10.5	-2.4	78.7	6.5	1.4	7.4	213	962.0	5137	10689	-0.1	3.1	3.7	3.9	4.5	4.0	4.1	4.1	3.8	4.1	4.0	2.1	94.5	31.3	12.4	16	14
1/10/2006	10	1.8	5.6	-0.6	77.5	0.0	1.3	6.9	253	975.2	8922	17044	-0.1	3.2	3.8	3.9	4.6	4.1	4.2	4.2	3.8	4.1	4.0	2.1	92.2	31.3	12.3	17	14
1/11/2006	11	4.5	8.0	1.3	92.8	13.2	0.7	9.6	230	966.3	1742	4068	-0.1	3.2	3.8	3.9	4.6	4.2	4.2	4.2	3.8	4.1	3.9	2.1	94.8	44.5	12.4	15	14
1/12/2006	12	5.2	10.6	1.4	80.2	0.0	0.9	6.0	226	961.6	8000	15777	-0.1	3.1	3.8	3.8	4.5	4.0	4.1	4.1	3.7	4.0	3.9	2.1	112.7	44.5	12.3	18	14
1/13/2006	13	4.7	10.8	-1.4	91.8	0.1	0.3	5.2	97	958.2	6749	13481	0.0	3.3	3.9	3.6	4.3	3.8	4.0	4.1	3.6	3.8	3.8	2.1	112.8	44.6	12.4	17	14
1/14/2006	14	5.6	12.7	-4.7	98.1	27.2	2.5	11.7	228	941.6	1149	2764	0.1	3.2	3.9	3.9	4.1	3.8	4.0	4.0	3.8	3.8	3.9	2.1	136.6	71.8	12.3	18	15
1/15/2006	15	-9.8	-4.8	-13.2	73.1	0.0	6.3	15.2	328	950.3	9445	17254	0.1	3.4	4.1	4.1	4.3	4.1	4.2	4.2	4.1	4.2	4.1	2.2	143.8	71.8	12.3	16	17
1/16/2006	16	-10.2	-5.1	-14.0	74.0	0.0	2.4	9.3	289	958.4	7727	15120	0.0	3.7	4.3	4.1	4.6	4.3	4.4	4.4	4.2	4.2	4.3	2.1	129.0	71.8	12.4	16	17
1/17/2006	17	-5.5	0.9	-11.2	78.6	0.1	1.0	6.7	62	963.5	3388	7311	-0.1	3.9	4.2	4.1	4.5	4.2	4.3	4.4	4.0	4.1	4.2	2.1	117.7	71.9	12.4	15	16
1/18/2006	18	4.1	13.9	-1.6	88.9	38.8	2.9	10.0	222	950.4	1945	4107	0.0	3.7	4.2	4.1	4.4	4.1	4.3	4.3	4.1	4.2	4.2	2.2	146.8	110.7	12.4	17	20
1/19/2006	19	0.3	4.8	-3.7	66.1	0.1	1.7	9.8	266	967.7	6823	13476	-0.1	3.5	4.2	4.2	4.6	4.4	4.5	4.5	4.2	4.3	4.3	2.2	150.1	110.8	12.3	16	15
1/20/2006	20	6.5	12.7	0.4	67.7	0.0	0.6	5.6	221	967.0	6650	13559	-0.1	4.2	4.2	4.2	4.7	4.4	4.5	4.5	4.2	4.3	4.4	2.1	135.0	110.8	12.4	17	14
1/21/2006	21	6.7	13.7	-1.3	69.8	0.3	2.7	14.0	279	964.8	6016	12318	0.0	4.2	4.1	4.1	4.5	4.3	4.4	4.4	4.1	4.3	4.2	2.1	126.8	111.1	12.4	19	13
1/22/2006	22	-1.8	1.7	-5.8	63.6	0.0	1.2	9.0	166	980.2	8868	16762	0.0	4.2	4.2	4.2	4.7	4.4	4.5	4.5	4.3	4.4	4.3	2.1	119.5	111.1	12.4	16	15
1/23/2006	23	-0.6	1.0	-2.2	94.5	2.3	0.8	4.7	182	965.0	2384	5393	-0.1	4.2	4.2	4.3	4.7	4.4	4.6	4.6	4.3	4.4	4.3	2.1	121.8	113.4	12.4	15	14
1/24/2006	24	-0.5	4.9	-5.9	82.8	4.9	0.6	4.6	224	955.8	11028	20465	-0.1	4.1	4.1	4.2	4.7	4.3	4.4	4.5	4.1	4.4	4.3	2.1	118.2	118.3	12.3	18	15
1/25/2006	25	-0.5	1.6	-3.6	86.8	1.1	2.7	9.9	290	950.7	5682	11084	0.0	4.1	4.1	4.2	4.6	4.3	4.4	4.4	4.2	4.4	4.2	2.1	114.1	119.4	12.5	15	14
1/26/2006	26	-6.7	-3.5	-9.5	79.8	0.0	4.1	10.9	323	967.8	9046	17259	0.0	4.1	4.1	4.2	4.6	4.3	4.4	4.3	4.2	4.4	4.2	2.1	108.7	119.4	12.4	15	16
1/27/2006	27	-5.4	1.7	-12.6	67.1	0.0	1.0	7.2	263	977.2	12189	22777	0.0	4.1	4.1	4.2	4.7	4.4	4.4	4.4	4.2	4.4	4.2	2.1	103.3	119.4	12.4	17	16
1/28/2006	28	3.2	9.9	-2.8	57.9	2.1	0.7	6.1	220	969.7	10946	21516	0.0	4.1	4.2	4.3	4.7	4.4	4.5	4.4	4.2	4.5	4.3	2.1	98.9	121.5	12.4	19	14
1/29/2006	29	1.9	6.1	-2.4	91.9	5.8	0.3	3.6	121	958.4	2308	5213	0.0	4.1	4.1	4.3	4.8	4.5	4.6	4.5	4.3	4.5	4.3	2.1	98.2	127.3	12.4	15	14
1/30/2006	30	6.1	12.5	0.9	89.5	0.2	0.3	4.5	166	954.8	8839	17677	-0.1	4.1	4.2	4.3	4.8	4.5	4.6	4.6	4.3	4.5	4.3	2.1	102.1	127.5	12.3	20	14
1/31/2006	31	1.8	5.7	-0.2	95.9	4.8	2.5	8.0	212	953.3	1840	4087	-0.1	4.1	4.2	4.2	4.7	4.4	4.5	4.5	4.2	4.5	4.3	2.1	107.4	132.3	12.3	17	14