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						
	34.2	72.2	14.0		0.91	5.1	31					37.0	39.2	39.1	39.2	39.6	39.4	39.4	39.4	39.1	39.4	39.1						
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
	1.2	**22.3**	**-10.0**	**69.4**	**23.2**	**2.3**	**13.9**	**238.0**	**962.0**	**487046**	**959138**	**2.8**	**4.0**	**4.0**	**4.0**	**4.2**	**4.1**	**4.1**	**4.1**	**4.0**	**4.1**	**4.0**	**2.0**	**49.9**	**23.2**	**12.3**	**21.2**	**14.0**

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	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
3/1/2006	60	-4.4	0.6	-7.1	60.6	0.0	2.7	11.0	254	957.2	16477	31377	0.5	3.2	3.3	3.4	4.0	3.7	3.8	3.8	3.5	3.7	3.6	2.1	53.5	0.0	12.3	17	15
3/2/2006	61	-5.0	-2.2	-8.6	89.7	0.0	1.1	7.0	172	951.9	1593	3406	0.1	3.3	3.4	3.5	4.2	3.9	4.0	4.0	3.7	3.9	3.7	2.1	56.3	0.0	12.3	15	15
3/3/2006	62	-8.2	-5.6	-9.9	72.2	0.0	4.3	12.9	317	958.3	16870	32367	0.3	3.4	3.4	3.7	4.1	3.8	3.9	3.8	3.7	3.8	3.7	2.1	60.1	0.0	12.3	16	16
3/4/2006	63	-4.4	-0.3	-8.3	71.6	1.6	4.6	11.4	314	961.1	16361	31853	0.4	3.4	3.5	3.7	4.0	3.8	3.8	3.8	3.7	3.8	3.7	2.1	56.6	1.6	12.4	17	15
3/5/2006	64	-1.6	2.9	-5.3	52.0	0.5	3.4	9.8	311	964.8	21059	39955	0.5	3.4	3.5	3.8	4.1	3.9	4.0	3.9	3.7	3.8	3.7	2.1	52.8	2.1	12.4	19	14
3/6/2006	65	-2.1	1.9	-5.5	60.4	1.3	2.0	6.6	272	962.5	16460	31631	0.5	3.5	3.5	3.8	4.3	4.0	4.1	4.1	3.8	4.0	3.9	2.1	49.6	3.4	12.4	18	14
3/7/2006	66	-4.0	0.5	-9.1	67.2	0.1	2.1	8.6	297	966.6	21359	40101	0.5	3.6	3.6	3.8	4.3	4.1	4.2	4.2	3.9	4.0	3.9	2.1	46.6	3.5	12.4	18	15
3/8/2006	67	-0.8	9.2	-10.0	57.1	0.5	0.3	3.8	156	965.1	20891	39779	0.6	3.6	3.7	4.0	4.4	4.2	4.3	4.3	4.0	4.1	4.1	2.1	43.8	4.0	12.3	22	15
3/9/2006	68	3.3	8.5	0.7	81.4	1.8	0.3	5.1	136	958.6	6457	13656	0.6	3.7	3.8	4.0	4.5	4.2	4.3	4.3	4.0	4.2	4.1	2.1	43.1	5.8	12.4	20	13
3/10/2006	69	11.2	17.8	1.4	74.1	0.0	2.2	11.3	246	953.8	9119	19165	0.9	3.9	3.9	4.1	4.4	4.2	4.3	4.2	4.1	4.2	4.1	2.1	45.3	5.8	12.3	25	13
3/11/2006	70	6.8	12.6	1.5	64.7	0.0	1.5	8.4	238	969.6	18393	36817	1.7	4.1	4.1	4.3	4.5	4.4	4.4	4.4	4.2	4.4	4.2	2.1	47.7	5.8	12.4	25	13
3/12/2006	71	8.8	12.1	4.1	89.2	2.1	0.8	7.2	207	966.3	4412	10158	1.6	4.2	4.2	4.4	4.6	4.4	4.5	4.4	4.3	4.4	4.3	2.1	50.3	7.9	12.4	24	13
3/13/2006	72	11.9	18.8	5.1	93.2	10.8	0.5	9.2	159	956.9	11498	24370	2.2	4.3	4.3	4.3	4.6	4.4	4.5	4.5	4.3	4.5	4.3	2.1	57.4	18.7	12.3	28	14
3/14/2006	73	7.1	14.8	-1.7	70.9	0.3	3.0	10.7	250	948.1	14615	29333	4.4	4.8	4.8	4.7	4.7	4.7	4.7	4.7	4.7	4.8	4.7	2.1	101.0	19.0	12.4	29	14
3/15/2006	74	-0.4	2.3	-2.2	59.2	0.0	5.4	13.9	302	954.3	15332	29847	4.4	4.5	4.5	4.5	4.5	4.6	4.6	4.5	4.5	4.6	4.5	2.1	83.2	19.0	12.4	21	14
3/16/2006	75	0.0	3.2	-2.2	58.7	0.0	4.0	11.7	319	961.5	18135	35234	4.1	4.2	4.2	4.2	4.3	4.4	4.3	4.2	4.2	4.3	4.2	2.0	57.5	19.0	12.3	21	14
3/17/2006	76	-1.8	1.8	-4.0	58.9	0.0	3.4	10.2	315	963.1	23213	43923	3.9	4.1	4.1	4.2	4.3	4.3	4.2	4.2	4.1	4.2	4.1	2.0	56.3	19.0	12.3	20	14
3/18/2006	77	-3.3	0.2	-6.7	57.0	0.0	4.1	10.5	314	961.3	17317	33164	3.8	3.9	3.8	3.9	4.0	4.1	3.9	3.9	3.9	3.9	3.9	2.0	53.2	19.0	12.3	18	15
3/19/2006	78	-3.1	-0.6	-5.3	80.8	0.0	3.6	10.8	310	960.4	12282	24649	3.4	3.6	3.6	3.6	3.8	3.8	3.6	3.6	3.6	3.7	3.5	2.0	50.3	19.0	12.3	17	14
3/20/2006	79	-3.7	-1.8	-7.3	70.7	0.0	4.1	11.5	328	963.0	17573	34147	3.3	3.4	3.4	3.4	3.6	3.7	3.5	3.5	3.4	3.5	3.4	2.0	48.0	19.0	12.3	18	15
3/21/2006	80	-4.1	0.9	-8.9	65.3	0.0	2.6	6.8	321	957.7	19526	37499	2.9	3.1	3.1	3.2	3.4	3.4	3.3	3.3	3.2	3.3	3.1	2.0	44.5	19.0	12.3	19	15
3/22/2006	81	-2.1	0.4	-5.1	71.8	0.0	3.4	10.3	320	958.9	9013	18312	2.9	3.0	3.0	3.1	3.3	3.3	3.1	3.1	3.1	3.2	3.0	2.0	41.8	19.0	12.3	18	14
3/23/2006	82	-0.5	2.9	-3.2	74.3	0.0	2.6	7.9	284	966.7	15669	31256	2.7	3.1	3.1	3.2	3.4	3.4	3.2	3.2	3.1	3.3	3.1	2.0	39.2	19.0	12.3	20	14
3/24/2006	83	-0.3	5.0	-5.5	84.8	0.1	0.3	4.3	97	964.5	10875	22419	2.2	3.2	3.3	3.8	3.9	3.9	3.8	3.7	3.6	3.7	3.6	2.0	38.2	19.1	12.3	19	14
3/25/2006	84	1.5	4.3	-0.5	93.1	1.7	1.1	6.1	146	961.0	8828	18328	3.0	3.5	3.5	3.8	4.0	4.0	3.9	3.8	3.7	3.9	3.7	2.0	39.1	20.8	12.3	21	13
3/26/2006	85	1.8	4.7	-0.4	86.5	2.4	2.0	8.7	242	962.3	6877	14695	3.3	3.4	3.5	3.6	3.8	3.8	3.6	3.6	3.5	3.7	3.5	2.0	41.2	23.2	12.3	21	14
3/27/2006	86	3.4	9.0	-1.9	59.1	0.0	2.7	9.2	272	967.8	25189	49044	3.7	3.9	3.9	4.1	4.1	4.1	4.0	4.0	3.9	4.2	3.9	2.0	40.3	23.2	12.3	25	13
3/28/2006	87	4.1	11.1	-2.0	58.9	0.0	0.3	5.4	56	969.0	19304	38891	4.3	4.4	4.2	4.3	4.5	4.4	4.3	4.3	4.1	4.4	4.2	2.0	38.9	23.2	12.4	25	13
3/29/2006	88	5.9	14.2	-2.4	59.0	0.0	0.6	6.6	82	970.5	25235	49767	6.9	6.4	6.0	5.2	5.0	5.0	4.9	4.9	4.8	5.4	4.8	2.0	38.1	23.2	12.4	27	13
3/30/2006	89	8.0	17.4	-1.7	56.2	0.0	0.4	5.6	116	972.4	24354	48237	8.2	7.0	5.9	5.1	5.1	5.0	5.0	5.0	4.9	5.3	4.9	2.0	36.2	23.2	12.4	28	13
3/31/2006	90	14.5	22.3	4.9	53.2	0.0	0.9	6.9	225	967.6	22763	45761	8.7	7.2	6.5	5.8	5.6	5.5	5.5	5.5	5.5	6.1	5.5	2.0	35.3	23.2	12.4	30	12