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Weather platform moved to lake center on 5 May 05
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.

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).

Location codes:
ND=next to dock
LC=lake center

<===depths roughly guessed at dock except for H310==>

month	(All)	{add column summary to table when month is done}	Depths of TW sensors at dock	0.1	0.5	1	2	2.5	2.5	2.5	2.5	2.5	1.2	2.5	100.5
			Depths of TW sensors at lake center	0.1	0.5	1	2	3	4	5	6	8	10.1	11	

	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	TW0.1m	TW0.5m	TW1m	TW2m	TW3m	TW4m	TW5m	TW6m	TW8m	TW_raw H310-C	TW12m	H310 depth-m (4oC)	Lakelevel-mm (4oC)	cumulative rain-mm	Batt min-V	RH% CR10enc	RH% MUXenc	Max of RHair	Location
5/1/2005	121	8.9	13.0	5.9	74.4	0.3	2.6	10.5	310.3	958.6	20096	40801	11.9	11.6	12.1	11.6	11.9	11.7	11.6	11.8	11.8	12.0	11.6	1.2	89.1	0.3	12.3	11.1	12.1	99.8	ND
5/2/2005	122	5.7	11.6	1.1	77.4	1.6	1.1	7.7	208.7	961.7	11109	22990	11.5	11.2	11.7	11.4	11.6	11.4	11.3	11.6	11.5	11.6	11.3	1.2	85.7	1.9	12.4	11.8	12.9	100.1	ND
5/3/2005	123	4.9	9.1	-0.4	73.3	0.1	1.3	6.9	261.5	965.4	20126	40034	11.4	11.1	11.6	11.1	11.3	11.1	11.1	11.3	11.2	11.5	11.0	1.2	84.1	2.0	12.4	11.8	12.8	100.5	ND
5/4/2005	124	5.6	9.7	0.5	69.7	0.0	1.5	7.3	274.8	973.8	21184	42075	11.7	11.3	11.9	11.3	11.6	11.4	11.3	11.5	11.5	11.8	11.3	1.2	81.2	2.0	12.4	11.7	12.6	99.1	ND
5/5/2005	125	7.6	14.2	-1.2	62.1	0.0	1.1	6.2	115.3	978.6	28939	57505	12.4	12.0	11.9	11.5	11.4	11.2	10.4	10.1	9.6	10.1	9.4	3.8	78.7	2.0	12.4	11.5	12.1	98.6	ND
5/6/2005	126	8.1	11.5	3.3	62.1	0.0	1.5	7.9	124.0	973.1	17606	35724	12.5	12.1	12.6	11.7	11.2	10.1	6.8	5.9	5.1	5.1	4.7	10.1		2.0	12.4	11.3	12.2	91.9	LC
5/7/2005	127	10.0	15.9	2.3	57.1	0.0	2.7	9.3	214.6	962.1	28551	56985	12.3	12.0	12.7	12.3	11.5	10.0	7.0	5.9	5.1	5.1	4.7	10.1	58.5	2.0	12.4	11.0	11.8	94.7	LC
5/8/2005	128	11.9	16.2	7.5	54.9	0.0	4.2	13.0	224.0	960.5	26170	54058	12.5	12.1	12.8	12.5	12.4	10.5	7.2	5.9	5.1	5.1	4.7	10.1	57.6	2.0	12.4	10.7	11.4	71.1	LC
5/9/2005	129	15.6	23.5	7.8	59.8	0.0	2.0	9.2	180.8	963.9	31323	65266	13.9	13.2	13.7	13.1	12.6	11.0	7.3	6.0	5.1	5.1	4.7	10.1	56.6	2.0	12.4	10.5	10.8	84.5	LC
5/10/2005	130	16.9	23.0	9.9	65.4	0.0	2.4	7.8	198.8	964.8	30900	63558	15.6	15.1	15.0	13.6	12.7	10.9	7.5	6.1	5.1	5.1	4.7	10.1	55.5	2.0	12.4	10.4	10.5	86.3	LC
5/11/2005	131	20.1	27.2	12.0	66.3	0.0	2.0	8.5	251.5	962.5	21936	45513	17.3	16.8	16.8	14.0	12.8	10.9	7.6	6.1	5.1	5.1	4.7	10.1	54.3	2.0	12.4	10.6	10.1	95.3	LC
5/12/2005	132	12.0	18.8	5.9	55.2	0.1	3.9	10.8	312.3	970.0	31143	62615	17.0	16.7	17.3	15.4	12.9	10.8	7.8	6.2	5.2	5.1	4.7	10.1	51.8	2.1	12.4	10.8	11.3	88.9	LC
5/13/2005	133	9.8	18.3	0.1	50.3	0.0	1.4	5.9	240.5	972.8	32690	65961	17.0	16.3	16.4	15.8	13.0	10.8	7.7	6.3	5.2	5.1	4.7	10.1	47.7	2.1	12.4	11.1	11.7	91.5	LC
5/14/2005	134	17.3	24.2	10.7	70.1	4.9	2.4	9.2	235.8	960.6	21921	45894	17.1	16.7	17.2	15.8	13.2	10.8	7.8	6.3	5.2	5.1	4.7	10.1	45.2	7.0	12.4	10.5	10.4	97.8	LC
5/15/2005	135	17.3	21.2	14.0	73.9	0.1	1.7	6.5	239.1	956.8	23181	48030	18.4	18.0	18.5	16.2	13.3	10.8	7.7	6.4	5.2	5.1	4.8	10.1	48.9	7.1	12.4	10.7	10.5	99.0	LC
5/16/2005	136	12.3	15.1	9.5	61.0	0.0	2.7	8.5	309.3	961.6	25581	52048	18.4	18.0	18.7	16.5	13.4	10.8	7.9	6.4	5.2	5.1	4.8	10.1	45.6	7.1	12.4	10.7	11.1	80.6	LC
5/17/2005	137	10.2	14.6	4.9	62.3	0.0	1.8	6.6	243.4	966.7	29194	58936	18.0	17.6	18.2	17.3	13.6	10.8	7.9	6.4	5.2	5.2	4.8	10.0	41.3	7.1	12.4	11.0	11.5	91.4	LC
5/18/2005	138	10.5	16.1	5.7	61.7	0.0	1.6	6.5	243.2	967.5	25576	51119	17.8	17.5	18.1	17.4	13.7	10.8	7.9	6.5	5.2	5.2	4.8	10.0	37.8	7.1	12.4	11.0	11.5	89.9	LC
5/19/2005	139	11.5	17.9	3.0	62.6	0.0	1.1	6.3	167.4	966.6	29013	58404	18.2	17.7	18.0	17.3	13.9	10.8	8.0	6.5	5.2	5.2	4.8	10.0	34.6	7.1	12.4	10.9	11.3	94.4	LC
5/20/2005	140	11.1	14.7	7.3	68.6	0.0	1.8	6.7	146.4	963.0	17654	36372	17.7	17.4	18.0	17.4	14.1	10.9	8.0	6.6	5.3	5.2	4.8	10.0	31.3	7.1	12.4	10.9	11.5	91.7	LC
5/21/2005	141	11.4	17.8	3.7	69.8	0.2	2.3	10.4	228.0	960.3	24941	50503	17.3	16.9	17.6	17.4	14.4	10.9	8.0	6.6	5.3	5.2	4.8	10.0	28.6	7.3	12.4	11.0	11.5	98.3	LC
5/22/2005	142	9.1	11.5	7.4	88.4	1.2	2.3	8.0	307.8	956.1	9573	20222	16.7	16.4	17.1	16.9	14.8	10.8	8.0	6.6	5.3	5.2	4.8	10.0	27.2	8.5	12.4	11.2	11.8	97.5	LC
5/23/2005	143	9.9	14.5	6.9	82.5	0.3	1.2	4.5	188.0	952.5	15572	32170	16.3	16.0	16.6	16.2	15.3	10.9	8.1	6.6	5.3	5.2	4.8	10.0	25.6	8.8	12.3	11.2	11.6	97.0	LC
5/24/2005	144	8.8	11.7	6.5	90.0	1.9	1.9	6.5	99.8	955.1	9313	19589	15.9	15.6	16.3	16.1	15.5	11.0	8.1	6.6	5.3	5.2	4.8	10.0	25.5	10.7	12.4	11.3	11.9	97.1	LC
5/25/2005	145	9.4	12.1	7.3	89.2	1.7	2.5	8.1	148.5	957.3	6888	14869	15.1	14.9	15.5	15.3	15.4	11.0	8.2	6.7	5.3	5.2	4.9	10.0	25.0	12.4	12.3	11.3	11.9	97.2	LC
5/26/2005	146	12.0	14.1	10.4	88.5	1.3	1.9	6.8	171.3	955.1	8489	18219	14.7	14.4	15.1	14.9	14.9	11.2	8.2	6.7	5.3	5.2	4.9	10.0	25.7	13.7	12.3	11.2	11.4	97.5	LC
5/27/2005	147	14.7	22.2	10.1	79.0	2.2	1.9	11.2	278.4	956.8	26501	54500	15.5	15.1	15.6	15.1	14.8	11.5	8.3	6.7	5.3	5.2	4.9	10.0	26.0	15.9	12.4	11.6	11.0	98.5	LC
5/28/2005	148	13.3	20.2	8.8	84.2	8.9	1.4	6.1	271.5	958.3	18696	38503	16.4	16.0	16.4	15.5	14.8	11.8	8.3	6.7	5.4	5.2	4.9	10.0	28.2	24.8	12.4	11.6	12.0	99.2	LC
5/29/2005	149	13.3	18.4	9.1	79.4	0.1	2.2	8.2	284.9	959.5	29189	59678	16.9	16.5	17.1	15.8	14.9	11.9	8.4	6.8	5.4	5.3	4.9	10.0	33.2	24.9	12.4	11.8	12.9	98.6	LC
5/30/2005	150	12.8	17.7	7.1	79.1	0.0	1.5	6.9	228.3	962.1	21715	44599	17.3	16.9	17.5	16.5	15.0	11.9	8.4	6.9	5.4	5.3	4.9	10.0	30.1	24.9	12.4	11.6	11.2	98.9	LC
5/31/2005	151	14.8	20.9	8.3	76.4	0.0	1.2	6.5	176.7	965.6	25674	52531	18.1	17.6	18.0	16.8	15.0	12.0	8.4	6.9	5.4	5.3	4.9	10.0	27.6	24.9	12.4	11.9	10.9	97.7	LC
Grand Total	136	11.5	27.2	-1.2	70.8	24.9	2.0	13.0	222.1	962.9	690443	1409272	15.6	15.2	15.7	14.8	13.4	11.0	8.4	7.2	6.2	6.2	5.8	8.7	45.8	24.9	0.0	11.2	11.6	100.5	