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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 d

						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						
	64.5	84.7	39.4		0.83	3.9	34					71.9	71.1	72.2	71.5	71.1	68.3	57.7	50.1	44.3	43.2	42.3						
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
	18.1	**29.3**	**4.1**	**77.8**	**21.0**	**1.7**	**15.4**	**228.7**	**968.1**	**573247**	**1176487**	**22.2**	**21.7**	**22.3**	**21.9**	**21.7**	**20.2**	**14.3**	**10.0**	**6.8**	**6.2**	**5.7**	**9.9**	**-107.2**	**21.0**	**12.3**	**38.2**	**44.7**

																							<===depths roughly guessed at dock except for H310==>					
month	9											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					
												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	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
9/1/2005	244	19.4	23.5	14.9	81.9	0.0	2.4	7.7	307	960.2	18338	37732	22.9	22.5	23.2	23.0	22.8	19.5	13.1	9.6	6.6	6.1	5.6	10.0	-58.1	0.0	12.3	45	53
9/2/2005	245	19.8	26.3	13.1	74.9	0.0	1.9	8.6	279	962.9	24906	51263	22.9	22.5	23.2	22.7	22.6	19.7	13.1	9.6	6.6	6.1	5.6	10.0	-62.3	0.0	12.4	44	51
9/3/2005	246	17.9	22.2	13.7	75.2	0.0	2.1	7.5	313	966.1	18418	37639	22.6	22.3	22.9	22.7	22.6	19.9	13.3	9.6	6.6	6.2	5.7	10.0	-67.1	0.0	12.4	44	52
9/4/2005	247	16.6	21.4	12.2	82.8	0.0	1.9	8.1	213	971.4	23546	48633	22.3	21.9	22.6	22.4	22.2	20.2	13.2	9.6	6.7	6.1	5.6	10.0	-71.4	0.0	12.4	44	52
9/5/2005	248	16.7	24.2	10.2	81.9	0.0	0.8	4.5	149	977.4	25603	52968	22.9	22.3	22.5	22.1	22.1	20.3	13.3	9.6	6.7	6.1	5.6	10.0	-75.2	0.0	12.4	45	52
9/6/2005	249	17.7	25.0	9.8	76.5	0.1	0.9	5.5	151	978.4	25689	52506	23.0	22.4	22.8	22.2	22.1	20.3	13.4	9.7	6.7	6.2	5.7	10.0	-78.4	0.1	12.4	45	53
9/7/2005	250	18.8	26.3	11.3	75.9	0.0	0.9	4.6	162	974.2	25130	51276	23.2	22.6	22.9	22.4	22.1	20.2	13.5	9.7	6.7	6.2	5.7	9.9	-81.9	0.1	12.3	45	52
9/8/2005	251	18.8	25.4	11.4	71.4	0.0	1.4	6.4	268	967.9	23664	47980	23.0	22.5	23.1	22.6	22.3	20.2	13.5	9.8	6.7	6.2	5.7	9.9	-85.8	0.1	12.3	44	51
9/9/2005	252	18.0	23.3	13.1	73.9	0.0	1.3	6.3	189	967.8	21526	44168	22.8	22.4	23.0	22.7	22.5	20.2	13.6	9.8	6.7	6.2	5.7	9.9	-90.0	0.1	12.4	45	53
9/10/2005	253	16.1	23.0	8.8	71.3	0.0	1.3	7.3	248	971.9	24822	50523	22.6	22.2	22.8	22.5	22.3	20.3	13.6	9.8	6.7	6.2	5.7	9.9	-94.4	0.1	12.3	45	52
9/11/2005	254	15.6	24.6	6.4	71.2	0.0	1.1	5.4	202	974.2	24467	49720	22.4	22.0	22.5	22.1	22.0	20.4	13.7	9.9	6.7	6.2	5.7	9.9	-98.9	0.1	12.3	44	52
9/12/2005	255	20.4	28.2	13.3	66.6	0.0	1.6	7.9	264	969.0	23391	47677	22.3	21.9	22.5	22.0	21.9	20.5	13.8	9.9	6.8	6.2	5.7	9.9	-102.8	0.1	12.3	44	52
9/13/2005	256	21.9	29.3	14.2	74.4	0.0	0.8	5.3	209	966.3	22709	45873	23.3	22.4	22.7	22.2	21.9	20.6	13.9	9.9	6.8	6.2	5.7	9.9	-106.1	0.1	12.3	45	53
9/14/2005	257	21.4	27.4	14.9	83.7	8.1	1.6	7.6	196	965.5	19687	40975	23.1	22.8	23.3	22.5	22.1	20.5	14.0	10.0	6.8	6.3	5.7	9.9	-107.6	8.2	12.4	45	54
9/15/2005	258	22.8	27.9	20.0	90.6	0.1	0.9	5.1	146	966.9	15450	32614	24.1	23.3	23.7	22.8	22.2	20.4	14.1	10.0	6.8	6.2	5.7	9.9	-102.0	8.3	12.3	46	56
9/16/2005	259	22.5	26.3	19.8	89.2	0.0	1.8	7.1	123	966.4	16744	35299	24.1	23.7	24.3	23.2	22.3	20.4	14.3	10.1	6.8	6.3	5.8	9.9	-104.0	8.3	12.3	47	57
9/17/2005	260	20.1	22.7	16.0	90.3	0.4	1.6	6.7	280	962.9	10499	22158	23.9	23.6	24.2	23.5	22.4	20.3	14.3	10.1	6.8	6.3	5.8	9.9	-106.3	8.7	12.3	47	57
9/18/2005	261	17.8	23.4	13.5	82.6	0.0	1.7	7.6	273	966.3	19403	40246	23.2	22.8	23.5	23.3	22.5	20.3	14.4	10.1	6.9	6.3	5.8	9.9	-109.8	8.7	12.3	48	56
9/19/2005	262	18.9	25.1	13.4	73.6	0.0	1.0	5.3	228	970.8	21367	43536	23.2	22.7	23.2	22.8	22.6	20.3	14.4	10.2	6.9	6.3	5.8	9.9	-113.6	8.7	12.4	47	54
9/20/2005	263	21.1	23.9	18.3	78.1	0.1	2.3	8.0	245	966.2	10007	21140	22.6	22.2	22.9	22.7	22.6	20.3	14.5	10.2	6.9	6.3	5.8	9.9	-116.9	8.8	12.3	46	56
9/21/2005	264	18.4	24.9	13.6	71.4	0.0	2.0	8.0	283	968.5	22716	46239	22.2	21.9	22.5	22.3	22.1	20.6	14.6	10.2	6.9	6.3	5.8	9.9	-120.7	8.8	12.3	48	55
9/22/2005	265	19.5	26.2	11.0	70.1	0.0	1.9	8.7	223	966.4	21858	44240	22.0	21.7	22.3	22.1	22.0	20.9	14.6	10.3	6.9	6.3	5.8	9.9	-124.9	8.8	12.4	47	55
9/23/2005	266	19.9	23.8	13.0	79.7	0.0	2.1	8.8	261	966.1	9953	20952	21.9	21.6	22.2	22.0	22.0	20.9	14.7	10.3	6.9	6.3	5.8	9.9	-128.4	8.8	12.3	47	56
9/24/2005	267	14.0	20.2	7.8	70.3	0.0	1.4	5.2	184	974.3	22330	44760	21.5	21.1	21.7	21.4	21.4	20.8	14.7	10.4	6.9	6.3	5.8	9.9	-135.9	8.8	12.3	36	39
9/25/2005	268	16.7	19.5	14.3	82.3	0.0	2.1	7.4	208	971.9	5676	12266	20.8	20.4	21.1	20.9	20.9	20.6	14.7	10.4	6.9	6.3	5.8	9.9	-144.9	8.8	12.3	11	11
9/26/2005	269	19.0	20.5	17.7	94.5	7.8	3.0	9.0	228	959.7	2420	5892	20.2	19.9	20.5	20.3	20.4	20.3	14.9	10.4	6.9	6.3	5.8	9.9	-145.2	16.6	12.3	10	11
9/27/2005	270	15.0	18.6	8.9	71.0	0.0	3.5	11.5	311	963.8	20767	41967	19.8	19.5	20.1	19.9	20.0	19.9	15.4	10.5	6.9	6.3	5.8	9.9	-141.6	16.6	12.3	11	11
9/28/2005	271	13.0	20.0	4.1	77.0	0.1	1.8	7.9	196	968.9	21693	43739	19.5	19.1	19.7	19.5	19.4	19.2	16.0	10.5	7.0	6.3	5.8	9.9	-146.2	16.7	12.4	11	11
9/29/2005	272	14.1	18.2	7.2	78.4	4.3	3.6	15.4	259	961.3	9761	20443	18.8	18.5	19.1	18.9	19.0	18.9	16.5	10.6	7.0	6.4	5.8	9.9	-147.7	21.0	12.4	10	11
9/30/2005	273	10.3	17.3	5.7	72.4	0.0	1.5	7.0	264	969.3	20706	42061	18.2	17.8	18.4	18.2	18.1	18.0	16.9	10.7	7.0	6.3	5.8	9.9	-149.8	21.0	12.3	11	12