

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).

	5280 ft/mile		1609 m/mile		Rain-in	WS-mph	WS max mph	WDIR	Barom-mb	Sum Rad W/m2	Sum PAR uM/m2/s	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	H310 depth-m (4oC)	Lakelevel-mm (4oC)	cumulative rain-mm	Batt min-V	RH% CR10enc	RH% MUXenc	
	Tair avg F	Tair max F	Tair min F	RH %																									WS-m/s
Month summary	71.2	88.3	50.9		2.82	3.5	25					79.5	78.6	79.4	77.3	70.8	60.1	51.6	47.1	43.0	42.3	41.5							
	Tair avg-C	Tair Hi-C	Tair Min-C	RH %	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 10m	Tw 12m	H310 depth-m (4oC)	Lakelevel-mm (4oC)	cumulative rain-mm	Batt min-V	RH% CR10enc	RH% MUXenc	
	21.8	31.3	10.5	82.8	71.7	1.6	11.1	214.4	965.5	737068	1527601	26.4	25.9	26.4	25.2	21.6	15.6	10.9	8.4	6.1	5.7	5.3	10.1	65.4	71.7	12.3	29.7	27.2	

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

month	(All)	Depths of TW sensors at dock		Depths of TW sensors at lake center								
		0.1	0.5	1	2	2.5	2.5	2.5	2.5	2.5	1.2	2.5
		0.1	0.5	1	2	3	4	5	6	8	10.1	11

Data		WS																				H310							
Date	Day of Yr	Tair avg-C	Tair Hi-C	Tair Min-C	RH %	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 10m	Tw 12m	depth-m (4oC)	Lakelevel-mm (4oC)	cumulative rain-mm	Batt min-V	RH% CR10enc	RH% MUXenc
7/1/2005	182	23.4	27.8	20.3	87.3	0.0	1.4	5.2	219.5	957.0	20531	42293	26.7	26.3	26.7	24.6	19.8	14.3	10.2	8.0	5.9	5.6	5.2	10.1	69.5	0.0	12.4	26.1	17.2
7/2/2005	183	19.4	22.7	14.8	74.6	0.0	2.4	7.9	244.4	961.1	31145	63325	26.2	25.8	26.5	25.1	19.9	14.4	10.2	8.0	5.9	5.6	5.2	10.1	65.0	0.0	12.4	24.5	15.9
7/3/2005	184	18.0	23.0	10.5	74.7	0.0	1.3	6.1	165.7	968.5	30167	60646	25.7	25.3	25.9	25.2	20.0	14.5	10.3	8.0	5.9	5.6	5.2	10.1	58.8	0.0	12.4	22.2	15.7
7/4/2005	185	21.0	25.9	14.2	73.4	0.0	1.4	6.2	189.0	968.9	30073	61153	26.0	25.5	25.7	25.1	20.1	14.5	10.3	8.0	5.9	5.6	5.2	10.1	53.4	0.0	12.4	23.6	16.9
7/5/2005	186	21.7	24.4	19.3	91.5	8.3	1.9	6.2	221.6	964.1	14953	31295	25.6	25.2	25.8	25.1	20.2	14.6	10.3	8.0	5.9	5.6	5.2	10.1	50.2	8.3	12.4	25.6	19.0
7/6/2005	187	21.5	25.2	18.1	89.2	0.2	1.7	6.2	214.4	962.6	20013	41868	25.6	25.1	25.8	25.2	20.4	14.7	10.4	8.1	5.9	5.6	5.2	10.1	55.4	8.5	12.4	26.7	25.0
7/7/2005	188	19.1	20.5	18.0	96.4	1.0	1.7	4.7	122.3	967.0	5336	11933	25.0	24.6	25.3	25.0	20.4	14.7	10.4	8.1	6.0	5.6	5.2	10.1	52.7	9.5	12.4	26.6	20.5
7/8/2005	189	16.9	18.4	15.8	98.4	19.4	2.0	5.8	94.4	965.3	5078	11576	23.8	23.5	24.2	24.0	20.6	14.8	10.5	8.1	6.0	5.6	5.2	10.1	64.2	28.9	12.3	26.1	21.1
7/9/2005	190	17.7	22.5	15.8	91.9	2.2	2.1	11.1	288.7	964.8	21325	44740	23.2	22.9	23.5	23.2	20.9	14.9	10.6	8.2	6.0	5.6	5.2	10.1	72.3	31.1	12.3	27.7	21.8
7/10/2005	191	21.7	27.9	16.2	68.5	0.0	2.3	7.6	283.4	967.2	32890	67945	23.5	23.2	23.8	23.1	21.5	15.0	10.6	8.2	6.0	5.6	5.2	10.1	69.9	31.1	12.4	27.7	22.2
7/11/2005	192	22.2	28.8	14.6	76.6	0.0	1.9	7.2	287.4	966.6	30194	62595	24.3	23.9	24.5	23.4	21.8	15.1	10.6	8.2	6.0	5.6	5.2	10.1	64.9	31.1	12.4	27.1	21.6
7/12/2005	193	24.1	29.9	19.1	81.2	31.8	0.8	8.2	179.8	966.6	27833	57583	26.3	24.9	25.2	23.8	21.7	15.2	10.7	8.2	6.0	5.6	5.2	10.1	64.7	62.9	12.4	28.8	25.2
7/13/2005	194	22.4	27.6	18.3	90.9	0.0	1.4	6.5	168.0	965.1	24280	51094	26.4	25.7	25.9	24.1	21.9	15.6	10.9	8.4	6.1	5.7	5.2	10.1	99.7	62.9	12.4	29.8	29.2
7/14/2005	195	23.2	26.6	21.2	87.2	0.0	1.4	5.0	198.0	965.2	22822	47470	26.7	26.2	26.5	24.3	21.8	15.7	10.9	8.4	6.1	5.7	5.3	10.1	98.1	62.9	12.4	30.7	27.7
7/15/2005	196	23.5	27.4	20.9	92.7	1.3	0.9	5.9	142.6	966.6	21243	44166	27.3	26.7	27.0	24.7	21.8	15.8	11.0	8.4	6.1	5.7	5.3	10.1	96.5	64.2	12.4	30.8	28.0
7/16/2005	197	23.4	25.7	22.3	93.4	0.0	1.3	5.3	156.3	968.6	10645	22764	27.1	26.7	27.3	24.8	21.8	15.9	11.0	8.5	6.1	5.7	5.3	10.1	94.5	64.2	12.4	31.6	29.2
7/17/2005	198	23.7	26.8	21.9	94.4	0.0	1.5	6.9	181.4	967.1	14990	32324	26.8	26.3	27.0	25.0	21.8	15.9	11.0	8.5	6.1	5.7	5.3	10.1	92.2	64.2	12.4	32.3	30.2
7/18/2005	199	25.4	29.4	22.5	87.7	0.0	1.3	5.9	218.6	964.5	25780	54912	27.6	27.1	27.2	25.3	21.8	15.9	11.0	8.5	6.1	5.7	5.3	10.1	88.9	64.2	12.4	32.5	30.2
7/19/2005	200	25.0	28.5	22.1	87.8	0.1	1.3	5.6	243.7	963.5	23035	48612	28.3	27.9	28.0	25.6	21.8	16.1	11.1	8.5	6.1	5.7	5.3	10.1	84.7	64.3	12.4	32.6	30.5
7/20/2005	201	22.9	27.7	18.3	77.5	0.0	1.5	7.2	235.9	965.8	31203	64276	28.1	27.7	28.4	25.9	21.8	16.1	11.1	8.5	6.1	5.8	5.3	10.1	79.6	64.3	12.4	32.3	30.9
7/21/2005	202	21.9	28.2	14.9	79.5	0.0	1.1	5.7	251.4	964.6	26904	55594	27.9	27.5	28.0	26.4	21.9	16.2	11.1	8.5	6.2	5.8	5.3	10.1	73.2	64.3	12.4	31.1	30.2
7/22/2005	203	22.4	27.8	16.9	88.0	1.2	0.9	4.7	246.6	963.8	19478	41023	27.8	27.3	27.7	26.6	21.9	16.1	11.2	8.6	6.2	5.8	5.3	10.1	68.7	65.5	12.4	32.0	31.5
7/23/2005	204	21.0	24.7	16.6	71.2	0.0	2.5	9.0	261.5	966.6	32498	66396	27.1	26.8	27.4	27.0	21.9	16.2	11.2	8.6	6.2	5.8	5.3	10.1	64.6	65.5	12.4	32.3	32.5
7/24/2005	205	20.8	25.9	13.4	66.1	0.0	1.7	6.3	259.0	967.0	29901	61449	26.6	26.2	26.8	26.3	22.0	16.3	11.2	8.5	6.2	5.8	5.3	10.1	57.1	65.5	12.4	30.8	30.8
7/25/2005	206	23.4	30.6	19.5	79.7	5.3	2.1	7.9	239.3	960.9	24674	51515	26.5	26.1	26.7	26.0	22.3	16.3	11.3	8.6	6.2	5.8	5.3	10.1	55.3	70.8	12.4	32.5	34.0
7/26/2005	207	24.3	31.3	16.6	77.8	0.4	1.8	10.8	251.2	961.2	29846	62441	27.1	26.6	26.8	26.1	22.5	16.3	11.3	8.6	6.2	5.8	5.3	10.1	52.5	71.2	12.4	32.3	33.3
7/27/2005	208	23.4	29.6	18.0	85.3	0.0	2.3	9.4	266.6	959.8	21229	44220	27.4	26.9	27.5	26.3	22.6	16.5	11.3	8.6	6.2	5.9	5.4	10.1	47.7	71.2	12.4	33.9	34.7
7/28/2005	209	18.7	25.0	13.9	74.3	0.0	1.4	4.5	251.8	966.3	30423	62188	26.8	26.2	26.6	26.1	22.7	16.4	11.4	8.7	6.2	5.9	5.4	10.0	41.4	71.2	12.3	32.6	34.2
7/29/2005	210	19.7	25.8	12.5	78.0	0.0	1.2	5.8	228.6	969.2	23941	48510	26.3	25.9	26.5	25.9	22.8	16.4	11.4	8.7	6.3	5.9	5.4	10.0	35.8	71.2	12.4	32.0	34.1
7/30/2005	211	21.0	27.7	13.3	73.2	0.0	0.8	4.8	160.8	972.2	30861	63427	26.9	26.2	26.2	25.7	22.8	16.5	11.4	8.7	6.2	5.8	5.4	10.0	30.6	71.2	12.3	32.3	34.9
7/31/2005	212	22.7	26.5	18.0	78.8	0.5	1.4	7.7	175.4	971.8	23775	48265	26.7	26.2	26.7	25.8	22.8	16.5	11.4	8.7	6.2	5.8	5.4	10.0	25.5	71.7	12.4	33.6	35.9