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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).

		5280 ft/mile		1609 m/mile																									
		Tair avg F	Tair max F	Tair min F		Rain-in	WS-mph	WS max mph																					
		70.9	90.1	50.1		2.19	3.3	25																					
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 10m	Tw 12m	H310 depth-m (4oC)	Lakelevel-mm (4oC)	cumulative rain-mm	Batt min-V	RH% CR10enc	RH% MUXenc	
	21.6	32.3	10.0	82.6	55.7	1.5	11.0	213.6	965.9	601494	1250772	25.7	25.2	25.7	25.2	23.5	17.8	12.2	9.1	6.4	6.0	5.5	10.0	-13.8	55.7	12.3	38.7	44.1	

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

month (All)

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		WS																			H310								
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	TW10-C	TW12 m	H310 depth-m (4oC)	Lakelevel-mm (4oC)	cumulative rain-mm	Batt min-V	RH% CR10enc	RH% MUXenc
8/1/2005	213	23.6	28.6	19.2	78.6	0.0	1.8	6.5	249.0	968.5	27354	56694	26.8	26.4	26.7	26.0	22.9	16.6	11.5	8.7	6.3	5.9	5.4	10.0	20.8	0.0	12.3	34.0	36.5
8/2/2005	214	24.6	29.7	21.0	74.4	0.0	1.8	6.8	281.4	965.7	26436	54744	27.1	26.7	27.3	26.2	23.0	16.6	11.5	8.7	6.2	5.9	5.4	10.0	15.8	0.0	12.4	34.5	37.0
8/3/2005	215	24.4	31.3	18.1	76.5	0.0	1.3	6.8	259.4	965.5	29368	60862	27.7	27.2	27.3	26.5	23.0	16.7	11.5	8.7	6.2	5.9	5.4	10.0	10.5	0.0	12.4	34.2	36.9
8/4/2005	216	25.4	31.7	18.6	71.5	0.0	1.0	6.5	192.1	967.2	28724	58924	28.2	27.7	28.0	26.7	23.1	16.7	11.5	8.7	6.3	5.9	5.4	10.0	5.3	0.0	12.3	34.6	37.4
8/5/2005	217	23.4	27.8	17.9	83.2	1.3	1.1	7.5	253.4	967.1	11514	24269	27.6	27.2	27.9	26.9	23.1	16.8	11.5	8.7	6.3	5.9	5.4	10.0	0.6	1.3	12.4	35.4	39.0
8/6/2005	218	20.5	26.9	13.7	76.4	0.2	0.9	4.2	208.0	970.2	27245	56057	27.3	26.7	27.0	26.6	23.1	16.8	11.6	8.8	6.3	5.9	5.4	10.0	-2.7	1.5	12.3	35.4	39.3
8/7/2005	219	22.2	26.8	16.7	79.8	0.0	1.2	5.4	237.2	970.1	20426	42565	26.9	26.5	27.1	26.5	23.2	16.8	11.6	8.8	6.3	5.9	5.4	10.0	-7.4	1.5	12.4	35.3	39.1
8/8/2005	220	21.2	25.5	19.4	95.0	18.8	1.2	8.0	230.9	970.4	8570	18193	26.4	26.0	26.7	26.4	23.3	16.9	11.7	8.8	6.3	6.0	5.5	10.0	-2.4	20.3	12.4	36.4	42.0
8/9/2005	221	21.6	25.1	18.6	86.6	0.0	1.2	5.1	231.9	969.0	17081	36029	26.0	25.5	26.1	25.7	23.5	17.0	11.8	8.9	6.3	5.9	5.5	10.0	7.3	20.3	12.3	37.4	42.4
8/10/2005	222	22.6	27.8	17.7	85.0	0.0	0.9	4.4	220.0	965.0	23926	50148	26.6	25.6	26.0	25.6	23.7	17.1	11.9	8.9	6.4	5.9	5.5	10.0	3.8	20.3	12.4	37.3	41.7
8/11/2005	223	24.2	29.3	20.5	78.1	0.0	1.3	6.1	210.0	964.4	25477	52956	26.8	26.4	26.7	25.9	23.8	17.2	11.9	9.0	6.3	5.9	5.5	10.0	-0.2	20.3	12.4	37.4	41.6
8/12/2005	224	23.7	30.4	18.8	82.4	11.5	1.2	11.0	213.7	965.1	22146	46048	27.1	26.6	27.0	26.3	23.9	17.4	12.0	9.0	6.4	6.0	5.5	10.0	-1.4	31.8	12.4	37.7	41.9
8/13/2005	225	26.2	32.3	22.2	81.7	0.0	1.4	7.0	208.6	963.0	25716	53067	27.5	27.0	27.4	26.6	24.0	17.6	12.1	9.1	6.5	6.0	5.5	10.0	6.8	31.8	12.4	38.7	43.0
8/14/2005	226	25.6	31.4	21.2	83.8	0.0	1.5	7.3	196.4	962.9	23097	47397	28.1	27.6	28.0	26.9	24.1	17.6	12.2	9.1	6.5	6.0	5.5	10.0	2.4	31.8	12.4	39.0	43.1
8/15/2005	227	21.2	25.7	18.6	86.8	0.0	1.9	6.2	193.2	967.6	16727	35486	27.3	26.9	27.6	27.1	24.0	17.7	12.2	9.1	6.5	6.1	5.6	10.0	-2.9	31.8	12.4	39.7	44.9
8/16/2005	228	19.8	21.2	18.4	95.9	3.9	1.1	3.1	183.8	967.9	6710	14579	26.4	26.1	26.7	26.5	24.1	17.7	12.2	9.1	6.5	6.0	5.5	10.0	-5.1	35.7	12.3	39.6	45.6
8/17/2005	229	20.5	25.4	16.3	77.9	0.2	2.0	8.7	280.2	965.3	23966	49515	25.7	25.4	26.0	25.8	24.3	17.8	12.3	9.2	6.5	6.0	5.5	10.0	-5.7	35.9	12.3	40.0	45.4
8/18/2005	230	18.8	24.0	11.9	75.8	0.0	1.1	5.0	150.1	967.6	24891	51364	25.4	25.1	25.7	25.2	24.6	17.9	12.3	9.2	6.5	6.0	5.5	10.0	-10.8	35.9	12.4	39.2	45.3
8/19/2005	231	19.6	21.6	18.4	89.2	0.0	2.0	7.8	177.0	967.6	6937	15243	24.8	24.4	25.1	24.9	24.4	17.9	12.4	9.2	6.5	6.0	5.5	10.0	-15.2	35.9	12.3	39.6	46.3
8/20/2005	232	22.1	26.8	18.7	88.4	0.1	1.9	6.3	214.8	964.7	17285	36308	24.5	24.1	24.7	24.2	24.0	18.0	12.4	9.2	6.5	6.0	5.5	10.0	-18.7	36.0	12.3	40.4	46.7
8/21/2005	233	24.7	29.1	18.8	73.7	0.0	2.2	7.9	270.8	960.6	24485	51022	25.0	24.6	25.2	24.5	23.9	18.1	12.5	9.2	6.5	6.1	5.6	10.0	-22.0	36.0	12.3	41.0	46.7
8/22/2005	234	19.6	23.1	15.7	69.4	0.0	2.0	8.0	285.7	961.0	24546	50425	24.8	24.4	25.1	24.9	24.0	18.3	12.5	9.2	6.5	6.0	5.6	10.0	-27.4	36.0	12.4	40.8	46.0
8/23/2005	235	17.4	21.7	11.5	77.4	0.0	1.5	6.0	252.2	965.4	20946	43114	24.3	24.0	24.6	24.3	24.1	18.4	12.5	9.3	6.5	6.0	5.6	10.0	-32.7	36.0	12.4	40.2	45.9
8/24/2005	236	17.1	21.5	12.4	72.9	0.0	1.9	8.6	158.0	969.5	22788	46651	23.8	23.4	24.1	23.9	23.9	18.5	12.6	9.3	6.5	6.1	5.6	10.0	-37.7	36.0	12.4	40.3	46.4
8/25/2005	237	17.3	24.2	10.0	74.4	0.0	1.2	5.8	166.4	972.5	27424	56159	23.8	23.4	23.9	23.3	23.2	18.7	12.6	9.3	6.5	6.1	5.6	10.0	-42.8	36.0	12.3	39.9	46.7
8/26/2005	238	19.1	24.1	13.3	75.0	0.0	1.0	6.0	180.0	968.8	17211	35191	23.6	23.1	23.8	23.4	23.1	18.9	12.6	9.3	6.5	6.1	5.6	10.0	-46.9	36.0	12.3	40.4	47.4
8/27/2005	239	19.0	24.0	14.9	88.1	0.1	2.0	8.5	173.9	965.8	14871	31286	23.2	22.8	23.4	23.2	23.1	19.0	12.7	9.4	6.5	6.1	5.6	10.0	-50.4	36.1	12.3	40.8	48.1
8/28/2005	240	19.3	20.1	18.1	97.6	10.9	1.5	6.1	177.3	964.4	3881	8933	22.7	22.4	23.0	22.8	22.8	19.1	12.8	9.4	6.6	6.1	5.6	10.0	-45.9	47.0	12.3	41.8	50.9
8/29/2005	241	21.1	24.4	18.1	95.1	0.0	0.9	5.1	164.5	965.3	14635	30506	23.2	22.6	23.0	22.6	22.6	19.3	12.8	9.4	6.6	6.1	5.6	10.0	-42.5	47.0	12.3	42.9	50.9
8/30/2005	242	22.1	23.0	21.2	97.1	1.8	1.3	7.1	168.7	961.8	6284	13987	23.3	22.9	23.4	22.8	22.6	19.3	12.9	9.5	6.6	6.1	5.6	10.0	-42.2	48.8	12.3	42.9	51.4
8/31/2005	243	22.6	26.2	18.2	94.2	6.9	3.4	10.1	232.1	951.9	10827	23048	23.2	22.8	23.5	23.1	22.7	19.5	13.0	9.6	6.6	6.1	5.6	10.0	-36.7	55.7	12.3	44.3	53.1