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Station moved from shallow water (ca. 2.5m max) at dock to lake center on 21 April 2007

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 2006 based on 1:15 minutes in cooler filled with surface lake water

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 1609	ft/mile 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					
		67.8	87.3	46.2		6.65	3.8	35																		75.9	75.6	75.4	74.5	72.8	66.4	54.6	48.0	43.2	42.0	41.6					
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 10.1 m	Tw 11.4 m	H310_z (m)	Lakelevel- mm (40C)	cumul. rain-mm	Batt min-V	RH% CR10 enc	RH% MUX enc	Max of RHair											
	month	19.9	30.7	7.9	82.0	168.9	1.7	15.7	237.3	964.3	737263	1538203	24.4	24.2	24.1	23.6	22.7	19.1	12.6	8.9	6.2	5.6	5.3	10.2	-75.4	168.9	12.6	22.4	25.5	103.0											

month (All)

Data

Location	% records	Date	Day of Yr	Tair			RHair- %	Rain- mm	WS- m/s	WS		WDIR- deg	Barom- mb	Sum Rad W/m2	Sum PAR uM/m2/s	Tw					TW			H310 depth-m (40C)		Lakelevel-	cumul. rain-mm	Batt min-V	RH% CR10 enc	RH% MUX enc	Max of RHair	
				Tair avg- C	Tair Hi- C	Tair Min-C				Max- m/s	Max- m/s					Tw 0.1m	Tw 0.5m	Tw 1m	Tw 2m	TW3 m	TW4 m	TW5 m	TW6m	TW8m	H310-C							TW12m
LC	100%	7/1/2007	182	14.7	17.9	11.5	72.5	0.0	3.0	9.1	316	967.3	27167	55610	23.6	23.5	23.6	23.5	22.4	16.8	10.6	7.9	6.0	5.4	5.1	10.1	-85.5	0.0	12.7	16	16	97
LC	100%	7/2/2007	183	14.0	19.4	7.9	75.1	0.0	2.3	9.4	291	971.1	27068	55077	22.6	22.6	22.6	22.5	22.4	16.9	10.7	7.9	6.0	5.4	5.2	10.1	-92.3	0.0	12.8	15	16	99
LC	100%	7/3/2007	184	16.5	23.4	8.8	66.8	0.0	1.2	5.6	251	971.4	31148	64169	22.9	22.6	22.3	22.1	21.8	17.1	10.8	8.0	6.0	5.4	5.2	10.1	-97.6	0.0	12.8	16	17	99
LC	100%	7/4/2007	185	17.3	19.3	16.5	90.3	10.3	2.0	7.4	191	967.1	4477	10245	22.1	22.1	22.1	22.0	21.7	17.3	10.9	8.0	6.0	5.4	5.2	10.1	-98.8	10.3	12.7	16	17	100
LC	100%	7/5/2007	186	21.0	25.5	17.8	90.7	14.6	1.6	5.7	231	961.6	21048	44195	22.4	22.3	22.0	21.7	21.5	17.6	11.0	8.1	6.0	5.4	5.2	10.1	-89.1	24.9	12.7	22	23	102
LC	100%	7/6/2007	187	19.0	23.8	16.0	89.0	0.7	2.0	7.6	277	961.8	25527	53143	22.8	22.8	22.8	22.1	21.6	17.8	11.2	8.2	6.0	5.5	5.2	10.2	-76.7	25.6	12.7	22	23	102
LC	100%	7/7/2007	188	19.7	25.0	14.2	80.0	0.0	1.9	7.7	263	962.4	29428	61441	23.2	23.1	23.1	22.6	21.8	18.0	11.3	8.2	6.0	5.5	5.2	10.1	-79.7	25.6	12.7	21	21	100
LC	100%	7/8/2007	189	23.1	28.9	16.3	73.4	0.0	1.8	7.3	247	960.1	30572	63945	23.9	23.8	23.8	23.1	22.0	18.1	11.4	8.3	6.0	5.5	5.2	10.1	-83.5	25.6	12.7	21	21	95
LC	100%	7/9/2007	190	25.5	30.7	19.5	76.1	0.0	1.7	7.2	231	961.9	28350	59649	25.3	25.2	24.8	23.6	22.2	18.2	11.5	8.4	6.0	5.5	5.2	10.1	-87.1	25.6	12.7	22	22	97
LC	100%	7/10/2007	191	24.5	30.2	19.9	83.7	13.3	0.9	15.7	219	963.2	20140	41503	26.4	25.8	25.6	24.1	22.3	18.3	11.7	8.5	6.1	5.5	5.2	10.1	-98.7	38.9	12.7	23	23	99
LC	100%	7/11/2007	192	22.2	26.4	17.9	92.9	4.5	1.8	8.6	227	958.3	13763	29456	25.6	25.6	25.6	24.6	22.4	18.4	11.8	8.6	6.1	5.5	5.3	10.1	-104.5	43.4	12.7	24	26	101
LC	100%	7/12/2007	193	18.2	23.4	13.0	75.0	0.0	2.0	7.7	284	961.1	33624	69499	25.1	25.1	25.1	24.8	22.6	18.5	12.0	8.7	6.2	5.5	5.3	10.1	-93.1	43.4	12.7	22	23	98
LC	100%	7/13/2007	194	18.9	24.5	14.3	72.2	0.2	1.9	7.6	254	962.4	28531	58976	24.9	24.9	24.9	24.7	23.0	18.5	12.2	8.7	6.2	5.5	5.3	10.1	-100.2	43.6	12.7	20	21	94
LC	100%	7/14/2007	195	19.6	24.4	13.6	71.5	0.0	2.0	8.1	237	962.4	30301	62692	24.7	24.6	24.7	24.4	23.4	18.7	12.3	8.7	6.1	5.5	5.3	10.1	-105.6	43.6	12.7	20	21	98
LC	100%	7/15/2007	196	21.8	26.2	19.0	83.1	6.5	1.8	9.9	232	959.6	18749	38938	24.5	24.4	24.4	24.2	23.6	18.7	12.4	8.8	6.2	5.6	5.4	10.1	-106.1	50.1	12.7	22	23	98
LC	100%	7/16/2007	197	20.5	25.9	16.0	74.6	0.0	1.1	4.6	203	964.2	27506	57442	25.0	24.7	24.5	24.3	23.7	18.9	12.5	8.8	6.2	5.6	5.4	10.1	-104.4	50.1	12.7	23	25	99
LC	100%	7/17/2007	198	22.0	27.2	16.1	68.5	0.0	1.2	4.8	215	966.3	30144	62666	25.7	25.2	25.0	24.6	23.7	19.0	12.6	8.9	6.2	5.6	5.4	10.1	-108.7	50.1	12.7	22	23	98
LC	100%	7/18/2007	199	21.1	24.6	18.1	90.6	11.8	1.3	5.6	238	962.8	18038	38315	25.5	25.4	25.4	25.0	23.8	19.2	12.7	9.0	6.3	5.6	5.4	10.1	-101.9	61.9	12.7	23	30	101
LC	100%	7/19/2007	200	20.4	24.2	16.5	96.7	9.6	1.2	6.6	233	957.3	10808	23420	25.0	25.0	25.0	24.9	23.9	19.2	12.9	9.1	6.3	5.6	5.4	10.1	-97.5	71.5	12.7	24	29	101
LC	100%	7/20/2007	201	18.5	21.0	14.7	79.6	0.0	3.3	11.8	288	959.2	22000	45831	24.4	24.4	24.4	24.4	24.1	19.4	13.0	9.1	6.3	5.6	5.4	10.1	-91.7	71.5	12.7	25	28	99
LC	100%	7/21/2007	202	18.0	23.3	11.5	70.0	0.0	2.2	7.8	267	967.3	29816	61695	23.8	23.7	23.8	23.7	23.3	19.8	13.0	9.2	6.3	5.6	5.4	10.1	-98.3	71.5	12.7	21	24	96
LC	100%	7/22/2007	203	18.0	24.1	11.9	73.1	0.0	1.3	6.2	170	971.6	31090	63857	24.1	24.0	24.0	23.5	23.2	20.1	13.2	9.2	6.3	5.6	5.4	10.1	-104.1	71.5	12.7	21	24	99
LC	100%	7/23/2007	204	14.1	15.2	12.3	97.8	62.6	1.8	6.6	274	967.6	3961	9697	23.3	23.2	23.3	23.2	23.0	20.4	13.4	9.3	6.4	5.6	5.4	10.1	-78.9	134.1	12.6	20	28	101
LC	100%	7/24/2007	205	18.3	24.7	13.4	83.9	0.0	1.5	4.9	234	968.2	27090	56436	23.1	22.7	22.5	22.2	22.0	21.0	13.8	9.6	6.4	5.6	5.4	10.2	-32.7	134.1	12.6	26	33	101
LC	100%	7/25/2007	206	21.0	25.2	15.7	84.3	0.0	1.4	6.8	181	970.4	26470	55478	23.7	23.5	23.4	22.5	22.1	21.0	13.9	9.6	6.4	5.7	5.4	10.2	-36.9	134.1	12.7	25	29	101
LC	100%	7/26/2007	207	23.0	27.1	18.9	83.7	0.0	1.4	5.8	212	969.6	24411	51306	24.6	24.3	23.9	23.0	22.2	20.9	14.0	9.7	6.4	5.6	5.4	10.2	-41.3	134.1	12.7	26	29	100
LC	100%	7/27/2007	208	21.6	25.9	18.6	90.2	31.6	1.7	10.5	205	963.8	21413	44965	24.9	24.8	24.6	23.4	22.4	20.8	14.2	9.8	6.5	5.7	5.4	10.2	-32.7	165.7	12.7	26	34	101
LC	100%	7/28/2007	209	21.3	25.9	18.2	90.9	0.0	1.2	6.0	245	961.4	23670	49747	25.1	25.0	24.6	24.0	22.6	20.9	14.4	9.9	6.6	5.7	5.5	10.2	0.2	165.7	12.7	28	42	102
LC	100%	7/29/2007	210	20.4	24.7	16.8	95.5	3.1	1.0	5.6	193	963.7	17950	37517	25.5	25.3	25.2	24.3	22.7	20.8	14.6	10.0	6.5	5.7	5.5	10.2	-3.4	168.8	12.7	28	34	102
LC	100%	7/30/2007	211	21.7	27.0	17.7	88.8	0.0	1.1	4.0	216	964.4	22917	48160	26.0	25.5	25.3	24.5	22.9	20.8	14.8	10.0	6.6	5.7	5.5	10.2	-0.9	168.8	12.7	29	35	103
LC	100%	7/31/2007	212	21.2	27.1	14.2	80.0	0.1	1.6	7.2	233	964.8	30085	63133	25.8	25.7	25.7	24.9	23.0	20.8	14.9	10.1	6.6	5.7	5.5	10.2	-4.5	168.9	12.7	27	32	100