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Station moved to shallow water (ca. 2.5m max) at dock from lake center on 12 November 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 13Nov07 based on comparison of depths and vs PUV & YSI sonde profiles (note that Tw at 11.3m matches PUV Tw at 12.5, probably within sediment boundary)

Tw12 adjusted to match others on bottom after moved to dock

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 40C (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		WS max mph		Rain- in m		WS- m/s		WS Max- m/s		WDIR- deg		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																	
Month summary		Tair avg C	Tair max 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 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_z (m)	Lakelevel- mm (40C)	cumul. rain-mm	Batt min-V	RH% enc	CR10 MUX enc	RH% MUX enc	Max of RHair																										
		-1.8	12.9	-12.0	87.7	91.9	1.7	15.9	223.0	965.2	114397	235994	0.8	2.3	2.4	2.6	4.0	3.4	3.2	3.3	3.3	2.9	3.2	2.1	40.8	91.9	12.4	13.4	14.9	103.6																											

month (All)

Data

Location	% records	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	Tw 3m	Tw 4m	Tw 5m	Tw 6m	Tw 8m	Tw 10m	Tw 12m	H310 depth-m (40C)	Lakelevel-	cumul. rain-mm	Batt min-V	RH% CR10 enc	RH% MUX enc	Max of RHair
ND	100%	12/1/2007	335	-4.7	2.0	-8.2	67.3	0.0	4.1	12.2	301	974.9	6365	12216	3.6	3.7	3.7	3.6	4.1	4.1	3.7	3.8	3.7	3.6	3.7	2.114	39.5	0.0	12.7	14	15	84
ND	100%	12/2/2007	336	-6.1	-1.4	-9.1	94.7	0.0	1.0	4.3	131	970.5	1875	4354	2.6	3.3	3.4	3.5	4.9	4.4	3.6	4.1	3.8	3.6	3.9	2.114	39.7	0.0	12.5	14	15	102
ND	100%	12/3/2007	337	0.3	2.8	-4.3	87.4	13.9	3.5	14.6	269	948.0	4031	8255	2.6	3.0	3.0	3.1	4.0	3.8	3.2	3.5	3.3	3.2	3.3	2.118	43.5	13.9	12.5	13	14	103
ND	100%	12/4/2007	338	-5.1	-3.9	-6.1	79.6	0.0	4.7	15.9	309	948.5	4527	9021	2.1	2.2	2.2	2.2	3.0	2.5	2.3	2.4	2.4	2.2	2.2	2.113	38.2	13.9	12.5	14	15	99
ND	100%	12/5/2007	339	-6.1	-4.3	-8.5	89.0	0.0	1.2	5.2	288	953.4	3462	7185	1.0	1.7	2.0	2.1	4.1	3.1	3.0	3.1	3.1	2.4	2.9	2.110	35.1	13.9	12.4	14	16	99
ND	100%	12/6/2007	340	-8.2	-3.4	-12.0	83.3	0.3	1.7	7.0	289	967.0	7877	14803	0.7	1.8	1.9	2.1	4.2	3.3	3.2	3.2	3.3	2.5	3.0	2.108	33.3	14.2	12.4	15	16	101
ND	100%	12/7/2007	341	-5.3	-2.5	-10.7	90.2	0.0	0.5	4.4	236	969.9	2059	4331	0.7	1.9	2.0	2.1	4.3	3.3	3.3	3.3	3.4	2.6	3.1	2.106	30.9	14.2	12.5	14	15	101
ND	100%	12/8/2007	342	-0.5	2.6	-3.8	90.8	1.1	1.3	7.5	280	970.2	4321	8554	0.6	2.0	2.0	2.2	4.2	3.3	3.3	3.3	3.4	2.6	3.1	2.104	28.9	15.3	12.5	13	14	101
ND	100%	12/9/2007	343	-1.9	0.2	-4.3	87.6	0.4	0.6	2.6	169	974.2	1598	3621	0.5	2.0	2.1	2.2	4.2	3.3	3.3	3.3	3.3	2.7	3.1	2.103	28.2	15.7	12.5	13	14	102
ND	100%	12/10/2007	344	0.2	0.8	-0.3	102.8	0.6	0.4	2.9	146	969.6	1920	4025	0.5	2.1	2.1	2.2	4.2	3.3	3.4	3.4	3.5	2.7	3.3	2.110	35.7	16.3	12.5	13	14	104
ND	100%	12/11/2007	345	0.2	4.5	-1.6	100.5	1.0	0.8	4.2	250	970.1	1811	3954	0.6	2.1	2.1	2.3	4.1	3.3	3.3	3.3	3.4	2.7	3.2	2.109	34.0	17.3	12.5	13	14	102
ND	100%	12/12/2007	346	3.6	12.2	-2.8	86.1	3.6	2.6	9.2	310	963.9	2859	5979	0.8	2.2	2.2	2.3	3.8	3.1	3.0	3.1	3.2	2.7	3.0	2.112	37.4	20.9	12.5	13	14	102
ND	100%	12/13/2007	347	-3.2	-2.2	-3.8	95.0	0.0	1.0	4.7	159	966.4	627	1685	0.6	2.3	2.3	2.3	4.1	3.2	3.3	3.3	3.4	2.9	3.2	2.121	46.3	20.9	12.5	14	15	103
ND	100%	12/14/2007	348	0.0	1.9	-2.8	87.9	3.6	2.1	9.0	290	966.0	4187	8446	0.5	2.3	2.3	2.4	3.9	3.2	3.2	3.2	3.3	2.8	3.1	2.124	49.1	24.5	12.5	13	14	103
ND	100%	12/15/2007	349	-6.2	-3.2	-9.1	64.2	0.0	2.3	7.6	182	973.5	5645	11276	0.5	2.3	2.3	2.4	4.0	3.2	3.2	3.2	3.3	2.8	3.1	2.118	42.9	24.5	12.4	14	15	89
ND	100%	12/16/2007	350	-4.9	-0.5	-9.3	97.7	0.0	3.3	11.0	172	946.2	1291	2858	0.5	2.3	2.3	2.4	3.7	3.1	2.9	3.0	3.1	2.7	2.9	2.131	56.7	24.5	12.4	14	15	102
ND	100%	12/17/2007	351	-6.0	-4.0	-8.4	78.5	0.0	4.2	11.8	310	956.0	7735	14717	0.7	2.3	2.3	2.5	3.5	3.0	2.8	2.8	3.0	2.6	2.8	2.128	52.8	24.5	12.4	14	15	91
ND	100%	12/18/2007	352	-3.4	1.1	-6.0	76.6	0.7	1.4	6.9	270	970.1	7020	13553	0.5	2.3	2.3	2.6	3.9	3.3	3.2	3.3	3.3	2.8	3.2	2.118	43.3	25.2	12.7	14	15	88
ND	100%	12/19/2007	353	-1.4	0.6	-5.0	84.3	0.4	0.4	4.2	203	966.5	2665	5677	0.4	2.3	2.4	2.6	4.0	3.4	3.2	3.3	3.3	2.9	3.1	2.112	37.2	25.6	12.7	13	14	102
ND	100%	12/20/2007	354	-0.8	1.6	-3.7	91.2	1.4	1.4	6.7	271	967.0	4257	8748	0.4	2.3	2.4	2.6	4.0	3.4	3.2	3.2	3.3	2.9	3.1	2.108	33.1	27.0	12.6	13	14	100
ND	100%	12/21/2007	355	-2.1	-0.3	-5.0	98.0	0.3	1.1	5.8	112	973.6	1733	3994	0.4	2.3	2.4	2.7	4.0	3.4	3.3	3.3	3.3	2.9	3.2	2.104	29.1	27.3	12.5	13	14	102
ND	100%	12/22/2007	356	-0.4	1.3	-1.8	96.6	1.9	1.0	3.9	102	977.4	2504	5449	0.3	2.3	2.4	2.7	4.1	3.4	3.2	3.3	3.3	2.9	3.1	2.100	25.5	29.2	12.5	13	14	103
ND	100%	12/23/2007	357	5.4	12.9	0.1	100.7	48.2	1.6	10.0	161	963.7	1333	3195	0.3	2.2	2.4	2.7	3.8	3.4	3.2	3.2	3.3	2.8	3.1	2.107	32.7	77.4	12.5	12	18	104
ND	100%	12/24/2007	358	0.4	2.6	-1.7	65.0	0.0	2.4	9.0	278	959.3	4577	9494	0.5	2.2	2.4	2.6	3.7	3.3	3.1	3.1	3.2	2.7	3.1	2.133	58.0	77.4	12.5	13	21	77
ND	100%	12/25/2007	359	-0.6	0.1	-3.0	82.9	0.0	1.9	6.8	300	968.9	2209	4800	0.5	2.2	2.4	2.6	3.9	3.4	3.2	3.3	3.3	2.9	3.2	2.129	53.8	77.4	12.5	13	14	98
ND	100%	12/26/2007	360	-2.1	1.3	-5.9	93.6	0.0	0.6	6.4	152	967.5	3565	9000	0.5	2.3	2.5	2.7	4.1	3.5	3.2	3.3	3.3	3.0	3.2	2.123	47.8	77.4	12.4	14	15	102
ND	100%	12/27/2007	361	1.0	2.7	-0.5	96.1	1.5	0.7	5.4	200	962.7	1585	3479	0.4	2.4	2.5	2.7	4.0	3.4	3.3	3.3	3.3	3.0	3.2	2.118	43.8	78.9	12.4	13	14	102
ND	100%	12/28/2007	362	2.4	4.7	-0.5	80.7	2.4	0.9	6.0	193	970.1	6127	12132	0.5	2.5	2.6	2.8	4.0	3.5	3.3	3.4	3.4	3.1	3.3	2.116	40.8	81.3	12.4	13	14	98
ND	100%	12/29/2007	363	3.3	6.1	-0.2	87.0	6.3	1.4	7.4	252	961.7	6412	12528	0.7	2.6	2.7	2.8	3.9	3.6	3.4	3.4	3.5	3.1	3.3	2.122	47.3	87.6	12.6	13	14	102
ND	100%	12/30/2007	364	-1.3	0.7	-4.4	88.6	0.0	0.8	4.1	148	964.7	3327	7449	0.6	2.7	2.7	2.9	4.0	3.5	3.5	3.5	3.5	3.3	3.4	2.121	46.7	87.6	12.6	13	15	101
ND	100%	12/31/2007	365	-1.3	1.5	-6.3	96.3	4.3	1.1	7.1	180	960.0	4891	11216	0.6	2.8	2.8	3.0	4.0	3.6	3.4	3.5	3.5	3.3	3.4	2.129	54.0	91.9	12.5	13	14	103