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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 layer)

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		WDIR		Barom-mb		Sum Rad		Sum PAR		Tw 0.1m		Tw 0.5m		Tw 1m		Tw 2m		Tw 3m		Tw 4m		Tw 5m		Tw 6m		Tw 8m		Tw 10m		Tw 12m													
		Tair avg F	Tair max F	Tair min F	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																										
		27.9	62.9	1.9	1.62	3.7	33						32.5	38.1	38.2	38.5	39.8	39.3	39.0	39.1	39.2	38.9	39.0																										
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_z (m)	Lakelevel-mm (40C)	cumul. rain-mm	Batt min-V	RH% CR10 enc	RH% MUX enc	Max of RHair																			
		-2.3	17.2	-16.7	79.0	41.2	1.7	14.9	246.7	965.1	202679	400586	0.3	3.4	3.5	3.6	4.3	4.1	3.9	3.9	4.0	3.8	3.9	2.1	33.8	41.2	12.5	13.9	14.9	103.2																			
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	H310-C	Tw 12m	H310 depth-m (40C)	Lakelevel-mm	cumul. rain-mm	Batt min-V	RH% CR10 enc	RH% MUX enc	Max of RHair
ND	100%	1/1/2008	1	-0.5	4.1	-7.1	91.2	8.1	1.5	10.0	220	956.2	4688	9634	0.5	2.7	2.8	3.0	4.0	3.6	3.4	3.4	3.5	3.2	3.4	2.126	51.6	8.1	12.6	13	14	103
ND	100%	1/2/2008	2	-7.6	-1.5	-12.9	80.1	0.0	4.3	10.8	322	960.3	6376	12111	0.6	2.7	2.8	3.0	3.8	3.5	3.3	3.3	3.4	3.1	3.3	2.122	46.8	8.1	12.5	15	15	96
ND	100%	1/3/2008	3	-13.8	-10.9	-16.7	80.6	0.0	2.7	11.3	311	978.1	7909	14523	0.5	2.7	2.8	3.0	3.9	3.6	3.4	3.4	3.5	3.2	3.4	2.116	41.2	8.1	12.6	16	16	100
ND	100%	1/4/2008	4	-7.1	-3.2	-16.7	72.5	0.0	1.6	7.3	265	976.8	3325	7027	0.3	2.7	2.8	3.0	4.0	3.6	3.4	3.5	3.5	3.2	3.4	2.112	37.4	8.1	12.7	15	15	100
ND	100%	1/5/2008	5	-1.4	6.1	-8.3	72.3	3.7	0.4	4.3	210	971.5	5390	10905	0.2	2.7	2.8	3.0	4.1	3.7	3.4	3.5	3.5	3.2	3.4	2.109	34.2	11.8	12.6	14	15	98
ND	100%	1/6/2008	6	4.2	10.3	0.6	94.2	2.5	0.5	5.7	232	968.8	4480	9623	0.2	2.7	2.8	3.1	4.1	3.7	3.4	3.4	3.5	3.3	3.3	2.107	32.7	14.3	12.6	13	14	102
ND	100%	1/7/2008	7	9.1	15.6	4.9	92.8	0.1	0.8	7.4	233	969.3	6790	14375	0.3	2.8	2.9	3.1	4.1	3.7	3.4	3.5	3.5	3.3	3.4	2.107	32.7	14.4	12.6	13	13	101
ND	100%	1/8/2008	8	10.6	17.2	4.3	89.4	0.0	0.8	5.8	231	966.2	6549	13663	0.5	2.9	3.0	3.1	4.1	3.7	3.5	3.5	3.6	3.4	3.4	2.112	37.3	14.4	12.7	14	13	102
ND	100%	1/9/2008	9	10.0	13.8	3.6	71.4	3.2	2.8	12.6	279	958.8	7080	14493	0.9	3.0	3.1	3.2	3.9	3.6	3.4	3.4	3.5	3.4	3.5	2.120	45.7	17.6	12.7	13	16	98
ND	100%	1/10/2008	10	2.6	6.2	-0.9	64.9	0.0	1.3	6.6	211	966.7	7064	13853	0.6	3.2	3.2	3.3	4.2	3.9	3.8	3.9	3.9	3.7	3.8	2.121	46.2	17.6	12.7	13	14	84
ND	100%	1/11/2008	11	4.1	9.1	0.4	89.4	9.3	1.6	6.1	188	955.0	2881	6104	0.7	3.2	3.3	3.4	4.2	3.9	3.8	3.8	3.9	3.7	3.8	2.125	49.9	26.9	12.7	13	14	103
ND	100%	1/12/2008	12	2.0	4.6	-2.5	74.6	0.0	1.7	7.2	295	963.2	5055	10253	0.7	3.3	3.3	3.4	4.2	4.0	3.9	3.9	3.9	3.8	3.8	2.125	50.3	26.9	12.6	13	14	96
ND	100%	1/13/2008	13	-0.6	3.7	-4.7	87.4	0.0	1.2	5.9	130	965.9	5394	11114	0.5	3.4	3.4	3.4	4.3	3.9	3.9	3.9	3.9	3.9	3.8	2.121	46.4	26.9	12.6	13	15	102
ND	100%	1/14/2008	14	-0.5	1.3	-1.8	100.6	3.1	1.0	4.8	180	957.3	1543	4478	0.5	3.4	3.5	3.6	4.3	4.0	3.9	4.0	4.0	4.0	3.9	2.122	47.2	30.0	12.6	13	14	103
ND	100%	1/15/2008	15	-3.1	-1.7	-4.7	95.5	0.0	2.3	9.4	298	956.6	2641	6427	0.4	3.4	3.5	3.6	4.4	4.1	3.9	4.0	4.0	4.0	3.9	2.121	46.1	30.0	12.5	14	14	103
ND	100%	1/16/2008	16	-4.2	-1.6	-8.0	87.4	0.0	2.2	8.3	309	968.9	5157	10285	0.5	3.5	3.6	3.6	4.4	4.1	4.0	4.0	4.0	3.9	4.0	2.116	41.8	30.0	12.5	14	15	102
ND	100%	1/17/2008	17	-5.2	-2.3	-9.6	95.1	0.0	0.8	4.4	184	969.4	3153	7397	0.4	3.5	3.6	3.6	4.4	4.2	4.0	4.0	4.0	4.0	3.9	2.113	38.2	30.0	12.5	14	15	102
ND	100%	1/18/2008	18	-0.3	3.1	-3.6	82.0	5.5	1.8	8.7	232	958.8	9114	17291	0.6	3.5	3.6	3.8	4.5	4.2	4.0	4.0	4.1	4.0	4.0	2.114	39.7	35.5	12.5	13	14	103
ND	100%	1/19/2008	19	-3.9	-1.4	-7.1	72.3	0.0	1.4	7.2	263	961.7	6645	13182	0.5	3.6	3.6	3.7	4.5	4.2	4.1	4.1	4.1	4.1	4.1	2.111	36.0	35.5	12.7	14	15	87
ND	100%	1/20/2008	20	-10.4	-4.9	-13.2	66.8	0.0	3.6	11.3	313	964.8	7557	14119	0.6	3.6	3.6	3.8	4.4	4.2	4.0	4.0	4.1	3.9	4.0	2.107	32.4	35.5	12.7	15	16	85
ND	100%	1/21/2008	21	-11.7	-7.9	-15.0	70.3	0.0	1.3	6.5	254	980.1	9993	18570	0.2	3.7	3.7	3.8	4.5	4.3	4.2	4.3	4.3	4.1	4.2	2.104	29.3	35.5	12.6	16	17	81
ND	100%	1/22/2008	22	-4.0	-0.2	-10.1	64.6	0.0	1.5	7.9	262	967.0	4347	8962	0.1	3.7	3.7	3.9	4.5	4.3	4.1	4.2	4.2	4.1	4.2	2.102	27.0	35.5	12.6	14	15	88
ND	100%	1/23/2008	23	-4.2	0.1	-8.8	64.7	0.1	1.7	7.9	274	961.1	10418	19466	0.0	3.7	3.8	4.0	4.6	4.4	4.2	4.3	4.3	4.2	4.2	2.099	24.5	35.6	12.6	14	15	92
ND	100%	1/24/2008	24	-6.8	-4.2	-9.4	74.3	0.0	1.5	6.4	285	962.4	5827	11636	-0.1	3.7	3.8	4.0	4.6	4.4	4.3	4.4	4.4	4.3	4.3	2.097	22.2	35.6	12.7	14	16	88
ND	100%	1/25/2008	25	-7.4	-3.7	-10.0	66.4	0.0	2.5	7.5	293	969.8	10431	19505	-0.1	3.7	3.8	4.1	4.6	4.4	4.2	4.3	4.3	4.2	4.3	2.095	19.9	35.6	12.6	15	16	83
ND	100%	1/26/2008	26	-6.5	-3.2	-9.6	64.9	0.0	0.9	3.8	189	968.4	5776	11815	-0.3	3.8	3.9	4.1	4.7	4.5	4.4	4.4	4.4	4.4	4.4	2.092	17.5	35.6	12.6	14	16	89
ND	100%	1/27/2008	27	-4.1	-0.2	-6.5	78.8	0.0	1.1	4.7	187	964.5	10023	18962	-0.3	3.9	3.9	4.1	4.7	4.5	4.4	4.4	4.4	4.3	4.4	2.090	15.6	35.6	12.6	14	15	89
ND	100%	1/28/2008	28	-3.4	0.0	-5.6	79.0	0.0	2.6	8.2	304	964.7	11151	20904	-0.3	3.9	4.0	4.1	4.7	4.5	4.3	4.4	4.4	4.3	4.4	2.088	13.6	35.6	12.7	14	15	95
ND	100%	1/29/2008	29	-1.7	3.9	-7.3	99.0	2.3	0.4	2.9	175	956.1	3315	7250	-0.3	3.9	4.1	4.2	4.7	4.5	4.4	4.4	4.4	4.4	4.4	2.088	13.0	37.9	12.7	14	15	102
ND	100%	1/30/2008	30	0.1	4.7	-4.6	69.8	3.3	2.7	14.9	275	951.9	10952	20513	-0.1	4.0	4.1	4.2	4.6	4.4	4.2	4.3	4.3	4.3	4.3	2.091	16.5	41.2	12.6	13	14	100
ND	100%	1/31/2008	31	-5.0	-1.1	-8.7	56.8	0.0	1.4	5.9	242	976.8	11655	22144	-0.4	4.1	4.2	4.2	4.7	4.5	4.3	4.4	4.3	4.3	4.4	2.089	14.2	41.2	12.7	14	15	72