

Lake Lacawac, Bruce R. Hargreaves, Lehigh University (brho@lehigh.edu/~brho) 41°22.5'N 75°17.3'W elevation 428m
 18 Apr 2014, 10:40-11:40am EDT: platform moved to lake center 10Nov 2014: platform move to dock 11:05-11:55 EDT
 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 40C (1.43321 psim)
 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 1609.3 m/mile		Std pressure at sea level =1 atm=760 mm Hg=29.92" Hg=1013.2 mbars Std pressure at 428m elevation =724 mm Hg, 29.61 in. Hg, (965.2 mbars)																											
		Tair avg F	Tair max F	Tair min F	Rain-in	WS-mpH	WS max mph																								
		29.7	50.6	16.5	1.69	5.4	25																								
		Tair avg-C	Tair Hi-C	Tair Min-C	RHair-%	Rain-mm	WS-Mph	WS Max-mph	WDIR-deg	Barom-mb	Sum Rad W/m2	Sum PAR uMm2/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		
Month summary	avg Tw	2.4	-1.3	10.3	-8.6	84.0	43.0	2.4	11.3	214.9	968.8	40050010	80	1.9	2.2	2.3	2.3	2.6	2.2	2.3	2.4	2.5	2.6	2.9	37.2	2.0	-33.6	42.7	12.2	13.4	14.3
month	(All)																														

PAR & PYR Integration period=15min instead of 60min after 11am on 9/11/2013

Location	% records	Date	Day of Yr	Tair avg-C	Tair Min-C	RHair-%	Rain-mm	WS Max-mph	WDIR-deg	Barom-mb	Sum Rad J/m2	Sum PAR Mol/m2	Tw 0.1m	Tw 0.5m	Tw 1m	Tw 2m	TW3m	TW4m	TW5m	TW6m	TW8m	TW H310-C	TW12m	H310 depth-m (40C)	Lakelevel-cumul. rain-mm (40C)	Batt min-V	RH% CR10 enc	RH% MUX enc					
ND	100%	12/1/2014	335	5.8	10.3	-1.0	78.1	2.3	2.1	8.0	294	970.1	1615962	3.6	2.53	2.90	2.96	2.94	3.29	2.87	2.93	3.18	3.23	3.3	3.80	2.0	-73.2	2.000	12.2	12.2	13.3		
ND	100%	12/2/2014	336	-2.4	0.5	-4.5	80.0	1.7	2.4	7.4	113	979.4	2572754	5.4	2.52	2.63	2.67	2.63	2.85	2.50	2.70	2.86	2.97	3.1	3.20	2.0	-72.0	3.700	12.2	13.5	14.4		
ND	100%	12/3/2014	337	2.0	6.0	0.4	94.8	6.6	1.4	8.2	214	966.7	1848124	3.9	2.81	2.76	2.81	2.75	3.10	2.67	2.70	2.86	2.97	3.1	3.20	2.0	-63.8	10.300	12.2	12.6	13.6		
ND	100%	12/4/2014	338	-1.0	0.4	-4.8	64.4	0.0	1.9	7.0	252	974.5	6663322	12.8	2.29	2.47	2.52	2.45	2.78	2.34	2.42	2.57	2.69	2.8	3.00	2.0	-63.0	10.300	12.2	13.4	14.5		
ND	100%	12/5/2014	339	-2.9	0.1	-6.4	93.3	0.3	0.7	4.2	135	978.6	1416050	3.5	1.29	2.33	2.47	2.62	3.21	2.65	2.72	3.01	3.07	3.1	3.50	2.0	-61.4	10.600	12.2	13.7	14.8		
ND	100%	12/6/2014	340	0.8	1.7	0.0	101.4	27.6	1.0	8.5	108	970.2	893257	2.0	1.21	2.31	2.46	2.50	3.14	2.56	2.63	2.94	2.96	3.0	3.50	2.0	-41.6	38.200	12.2	12.8	13.8		
ND	100%	12/7/2014	341	-1.6	1.0	-4.7	62.6	0.0	3.8	10.1	167	979.0	8485691	15.7	2.09	2.20	2.24	2.12	2.31	1.97	2.03	2.17	2.30	2.4	2.54	2.0	-25.7	38.200	12.2	13.5	14.4		
ND	100%	12/8/2014	342	-6.1	-4.1	-8.6	71.3	0.0	2.0	6.4	109	980.6	4565804	8.8	1.51	2.14	2.28	2.36	2.83	2.33	2.37	2.57	2.70	2.7	3.06	2.0	-23.7	38.200	12.4	14.3	15.4		
ND	100%	12/9/2014	343	-0.6	3.8	-4.1	99.4	4.4	2.1	7.2	144	964.4	1466504	3.2	1.61	2.13	2.24	2.19	2.72	2.18	2.25	2.57	2.6	3.06	2.0	-14.2	42.600	12.2	13.1	14.1			
ND	100%	12/10/2014	344	-1.2	1.4	-4.2	88.4	0.0	4.7	11.3	324	953.1	2429749	5.2	2.03	2.12	2.19	2.05	2.17	1.90	1.97	2.05	2.23	2.3	2.38	2.1	-1.1	42.600	12.2	13.4	14.1		
ND	100%	12/11/2014	345	-3.9	-2.8	-5.0	79.9	0.1	2.8	8.0	302	953.6	5922942	11.5	1.79	1.89	1.93	1.83	1.96	1.69	1.75	1.84	2.02	2.1	2.24	2.1	2.3	42.700	12.2	13.9	14.6		
ND	100%	12/12/2014	346	-3.5	-2.2	-4.5	83.9	0.0	3.1	7.7	318	961.6	2169905	4.6	1.55	1.63	1.68	1.56	1.68	1.41	1.48	1.56	1.75	1.8	1.97	2.1	0.5	42.700	12.2	13.7	14.5		
#N/A	100%	12/13/2014	347	-2.1	-2.1	-2.1	93.9	0.0	3.7	6.4	316	963.1	-53	0.0	1.50	1.59	1.64	1.50	1.62	1.34	1.42	1.50	1.70	1.8	1.88	2.1	-0.4	42.700	12.2	13.5	14.3		
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