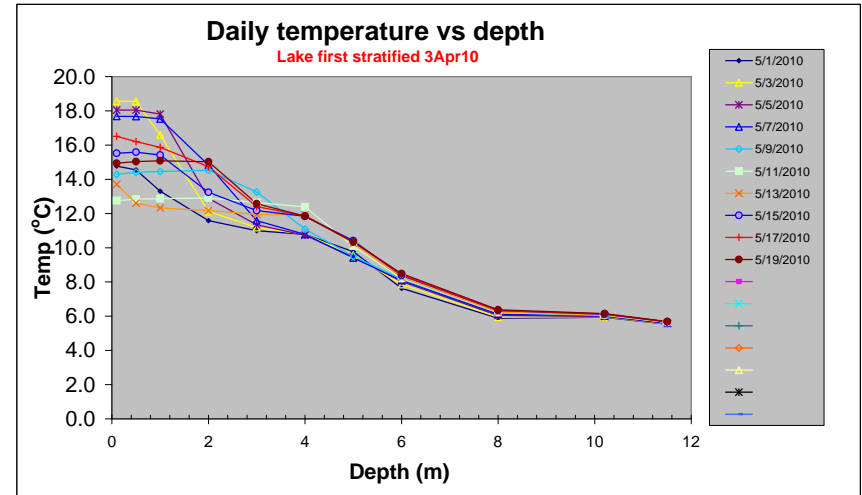
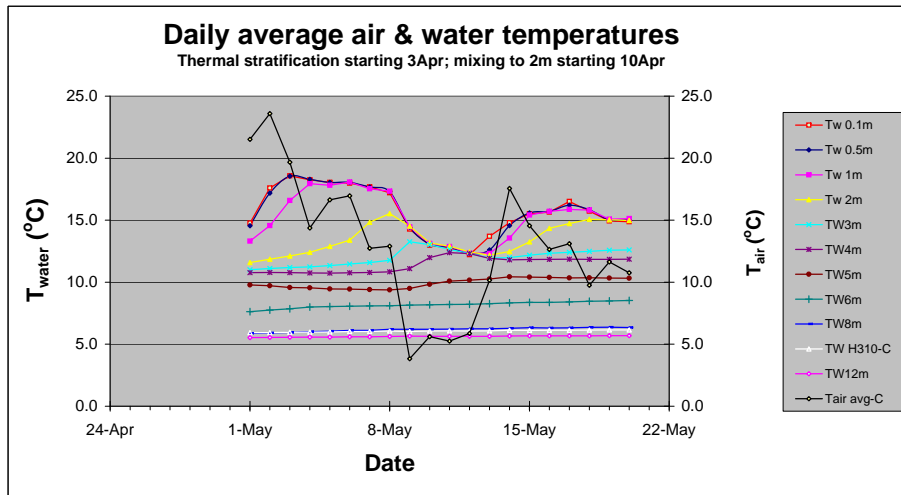


Year: 2010 Month: 5 2010 Direction of wind error: N side of platform is oriented NNW or NW since installing with new NE anchor at lake center

4Apr2010: Station moved from dock from 12:-2:30pm (new NE anchor installed)

See figure to right for actual depths of temperature sensors when weather station is in shallow water.

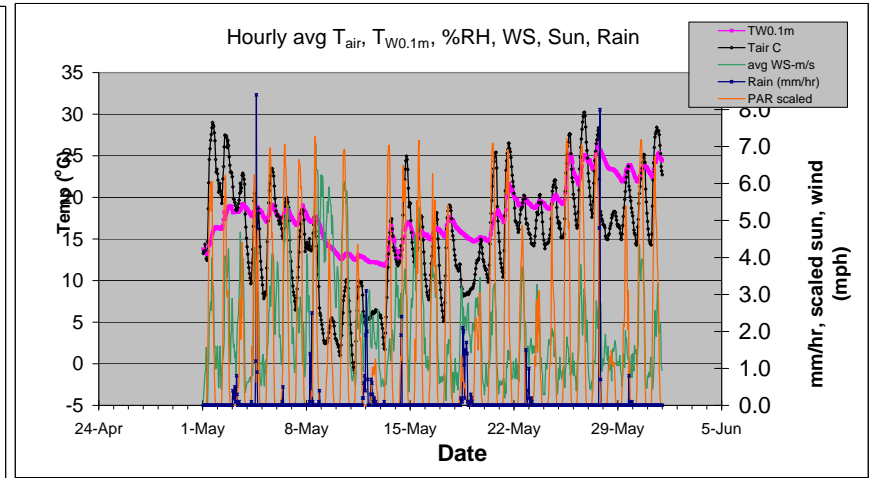
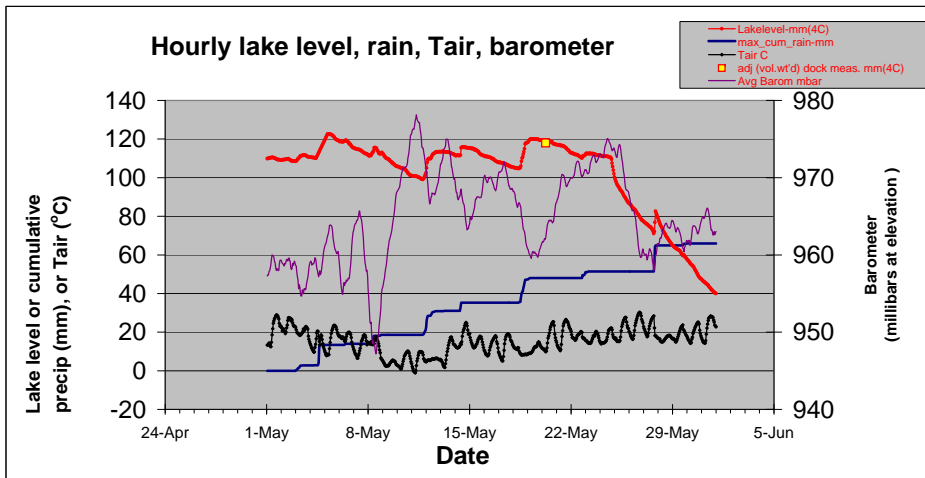
Tw12m sensor damage noted on 21Apr07 (animal bite through outer insulation near bottom); will need to replace it but currently it's working again



Lake level is mm above lower edge of dock metal frame (mm of water at 4°C based on pressure)

Monthly rain (incl melt in gage): 1.89 inches 1.58 in. (incl. winter frozen precip) from Avoca NWS Dock upper surface is at about +200 mm at SE corner but about +50-100mm at NW & NE corners)

Precip from rain gage is underestimated during freezing conditions and appears late when air temperature rises above freezing. Lake level rise accurately reflects rain or the water equivalent of snow, plus runoff and snowmelt.



date	mm Precip, AV	mm Precip, Lac	date	mm Precip, AV	mm Precip, Lac
3-May	3.56	2.80	12-May	3.30	8.20
4-May	2.54	10.60	14-May	5.84	4.30
6-May	1.52	0.60	18-May	7.37	12.00
8-May	7.11	4.60	19-May	0.51	0.70
11-May	8.13	4.10	22-May	0.25	#N/A

date	mm Precip, AV	mm Precip, Lac

AVOCA is Scranton-WilkesBarre Airport
 Avoca total precip,mm 40.1
 rain gage to date,mm 42.5 106%