

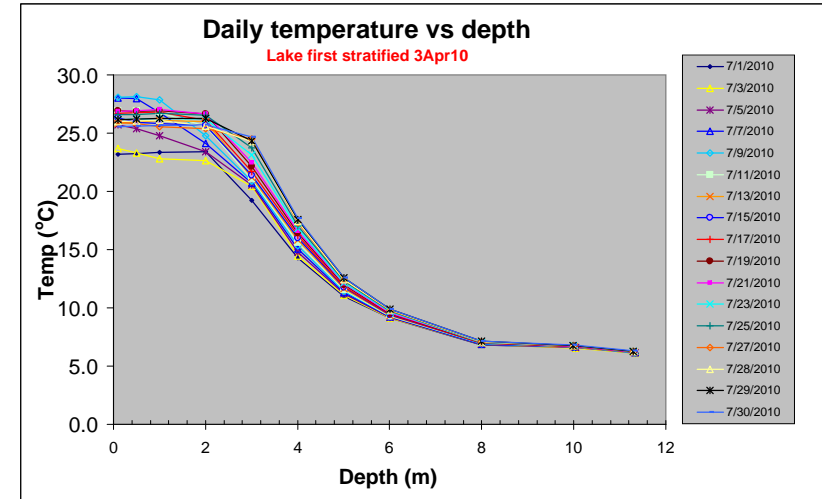
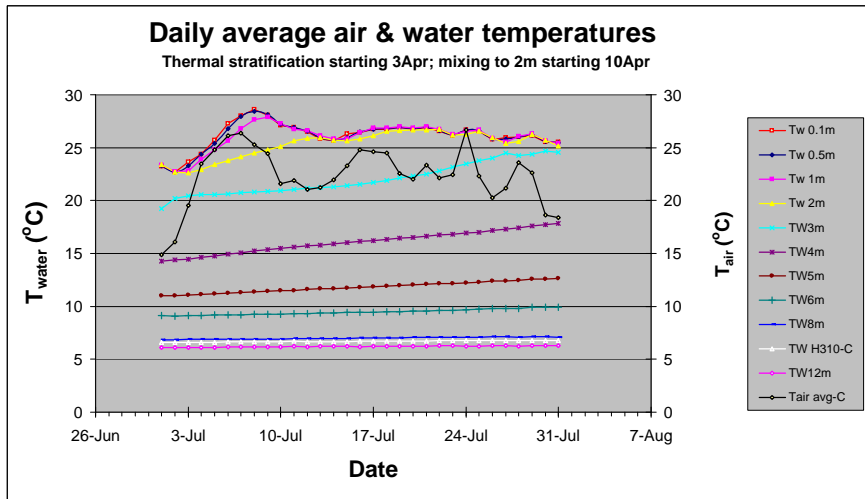
Year: 2010 Month: 7

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

2010 Direction of wind error: N side of platform is oriented ENE or NE since installing with new NE anchor at lake center

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

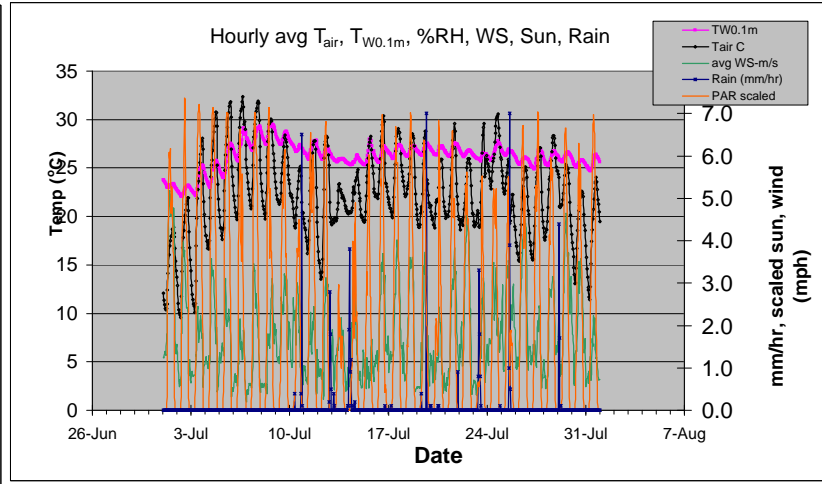
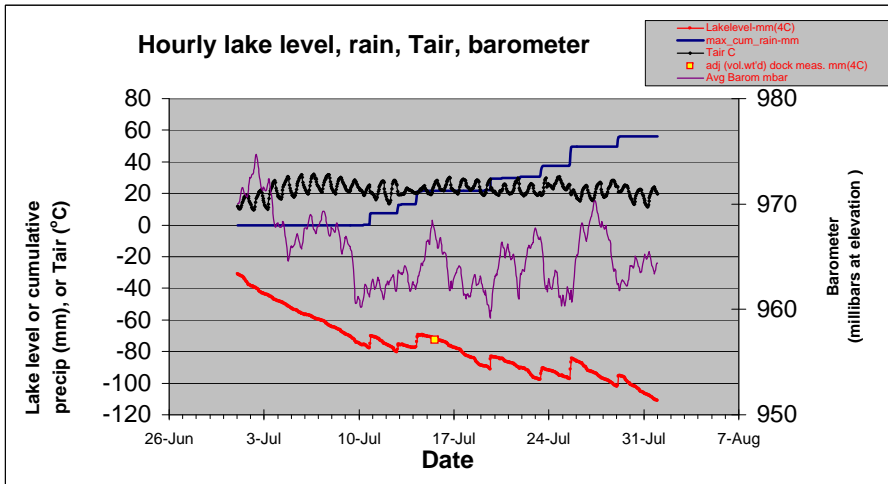
TW12m sensor damage noted on 21Apr07 (animal bite through outer insulation near bottom); will need to replace it but currently it's working again



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): 2.21 inches [2.47 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.



	mm Precip, AV	mm Precip, Lac	mm Precip, AV
accuweather (Avoca)	10-Jul 6.86	7.40	23-Jul 7.11
rain or water-equiv snow, mm	12-Jul 5.84	5.30	25-Jul 17.78
	14-Jul 7.87	8.40	29-Jul 5.84
	19-Jul 11.18	7.60	
	20-Jul 0.25	0.20	

mm Precip, Lac	date	mm Precip, AV
6.80		
12.40		
6.30		
-		
-		

mm Precip, Lac	date	mm Precip, AV
-		
-		
-		
-		
-		

AVOCA is Scranton-WilkesBarre Airport  
 Avoca total precip,mm 62.7  
 rain gage to date,mm 56.1 89%