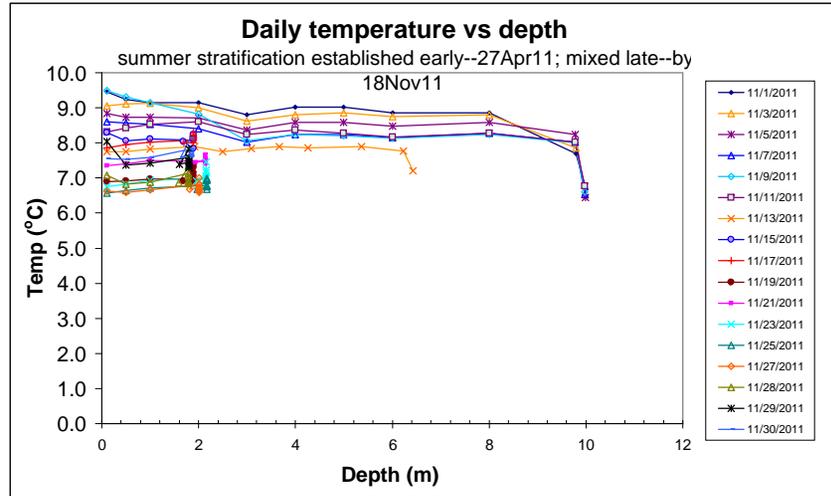
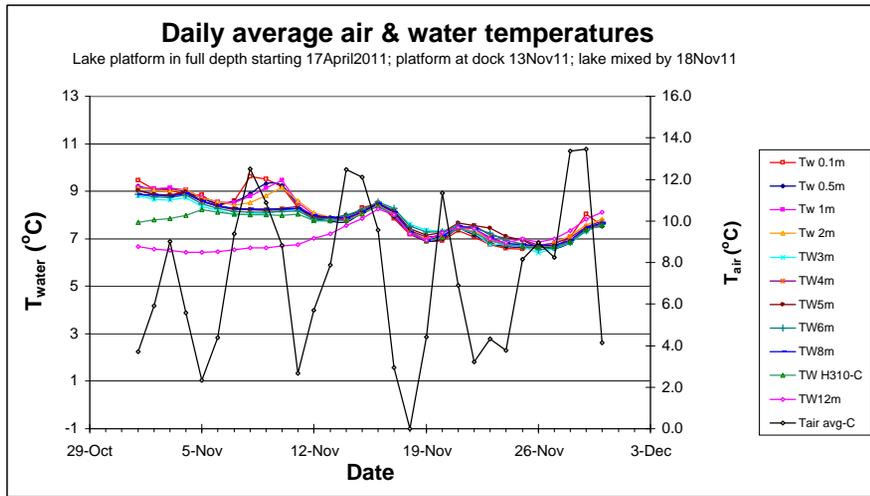


Year: 2011 Month: 11
 17 April 2011: platform moved to lake center, 1-2pm

11 Two new anchor lines (out of 4) set out when platform returned to lake center in April 2011 to replace one lost and one dragged to dock last October
 Tightened electrical connections for Tw's in MUX box on 13Nov11 (most could be tightened 1/2 turn or more so this may have solved problem detected earlier)
 Replaced lake level data with model for period 20-27Nov after platform drifted to north side of dock (used actual evap and rain and modeled outflow from lake level and fitted rain yield for runoff to match final lake level on)

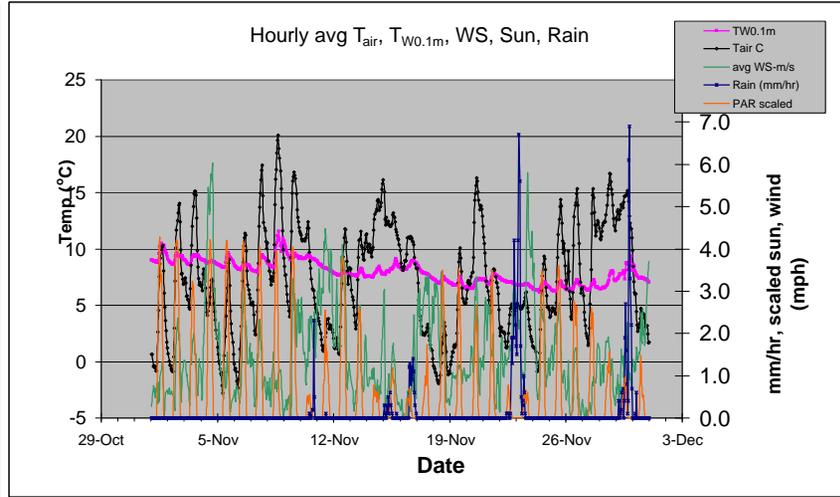
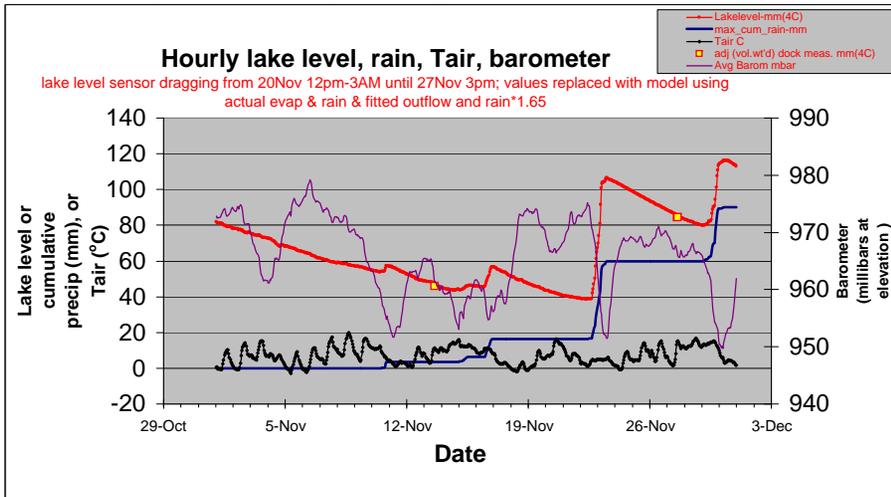
See figure to right for actual de



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): 3.55 inches [4.72 in. precip from Hawley/Hamlin NWS]

Dock old deck upper surface (before replacement with new artificial wood decking) was 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, NWS	mm Precip, Lac	date	mm Precip, NWS
10-Nov	3.56	3.40	29-Nov	40.39
15-Nov	1.27	2.80	30-Nov	2.03
16-Nov	17.53	10.00		
21-Nov	5.33	-		
22-Nov	25.15	18.30		
23-Nov	24.64	25.40		

date	mm Precip, Lac	date	mm Precip, NWS
29-Oct	29.50		
	0.70		
	-		
	-		
	-		
	-		

29Oct11 snow 64" water equiv from lake level, 0.32" water equiv from delayed rain gage & from Hamlin/Hawley

date	mm Precip, Lac
	-
	-
	-
	-
	-

Hawley total precip,mm	119.9
rain gage to date,mm	90.2
Lac/Avoca avg 2010	75% [lac/NWS, t]
Mar	140% [lac/avoca, r]
Apr	146%
May	164%
Jun	111%
Jul	89%