Year: 2011 Month: 12 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

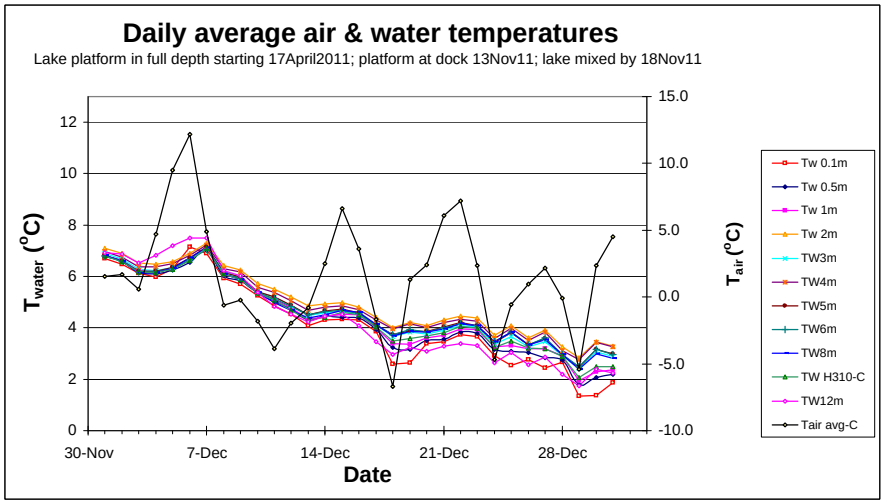
See figure to right for actual de

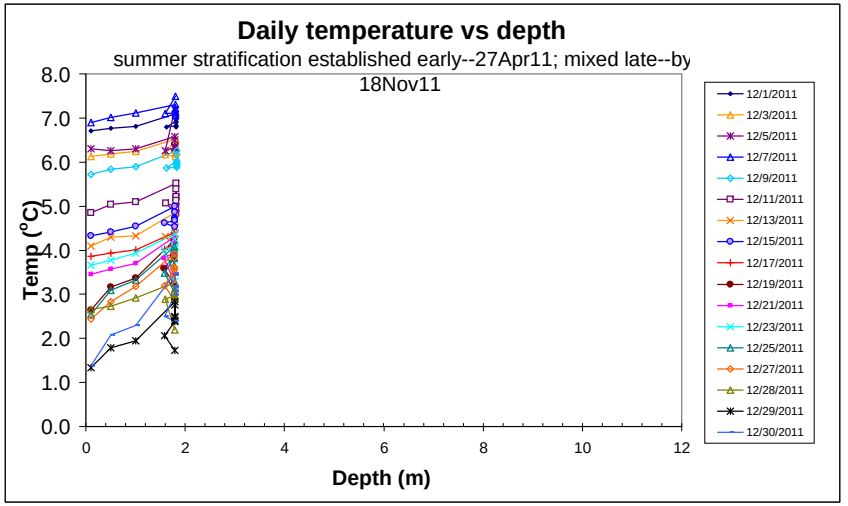
17 April 2011: platform moved to lake center, 1-2pm

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)

13Nov 2011: platform move to dock 12-1pm

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 2



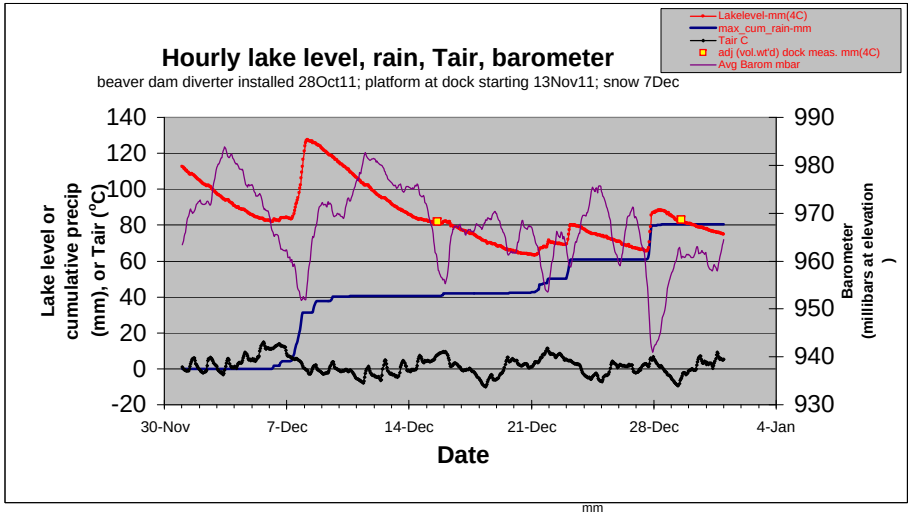


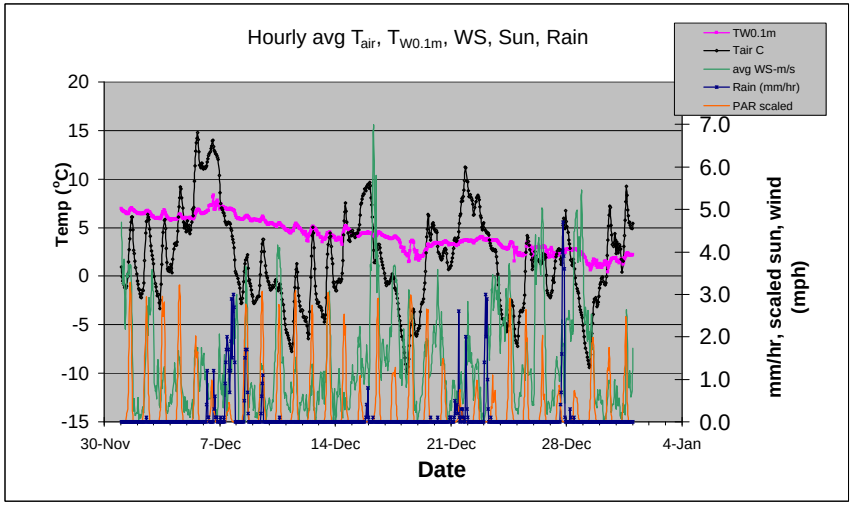
Lake level is mm above lower edge of dock metal frame (mm of water at 4°C based on pressure)

Monthly rain (incl melt in gage): **3.17 inches** 3.29 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.





	mm Precip, date	mm Precip, NWS	mm Precip, Lac	date	mm Precip, NWS	mm Precip, Lac	date	mm Precip, NWS	mm Precip, Lac		
accuweather (Hawley/Hamlin)	6-Dec	10.67	4.20	22-Dec	1.78	-			-		-
rain or water-equiv snow, mm	7-Dec	36.58	27.00	23-Dec	9.14	10.70			-		-
	8-Dec	0.25	6.30	27-Dec	10.67	19.00			-		-
	15-Dec	1.52	1.50			-			-		-
	20-Dec	0.25	0.40			-			-		-
	21-Dec	12.70	7.60			-			-		-

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

Hawley total precip,mm 83.6

rain gage to date,mm 80.4 96% **lac/NWS, t**

Lac/Avoca avg 2010			140%	lac/avoca,
Mar	Apr	May	Jun	Jul
	146%	164%	111%	89%