

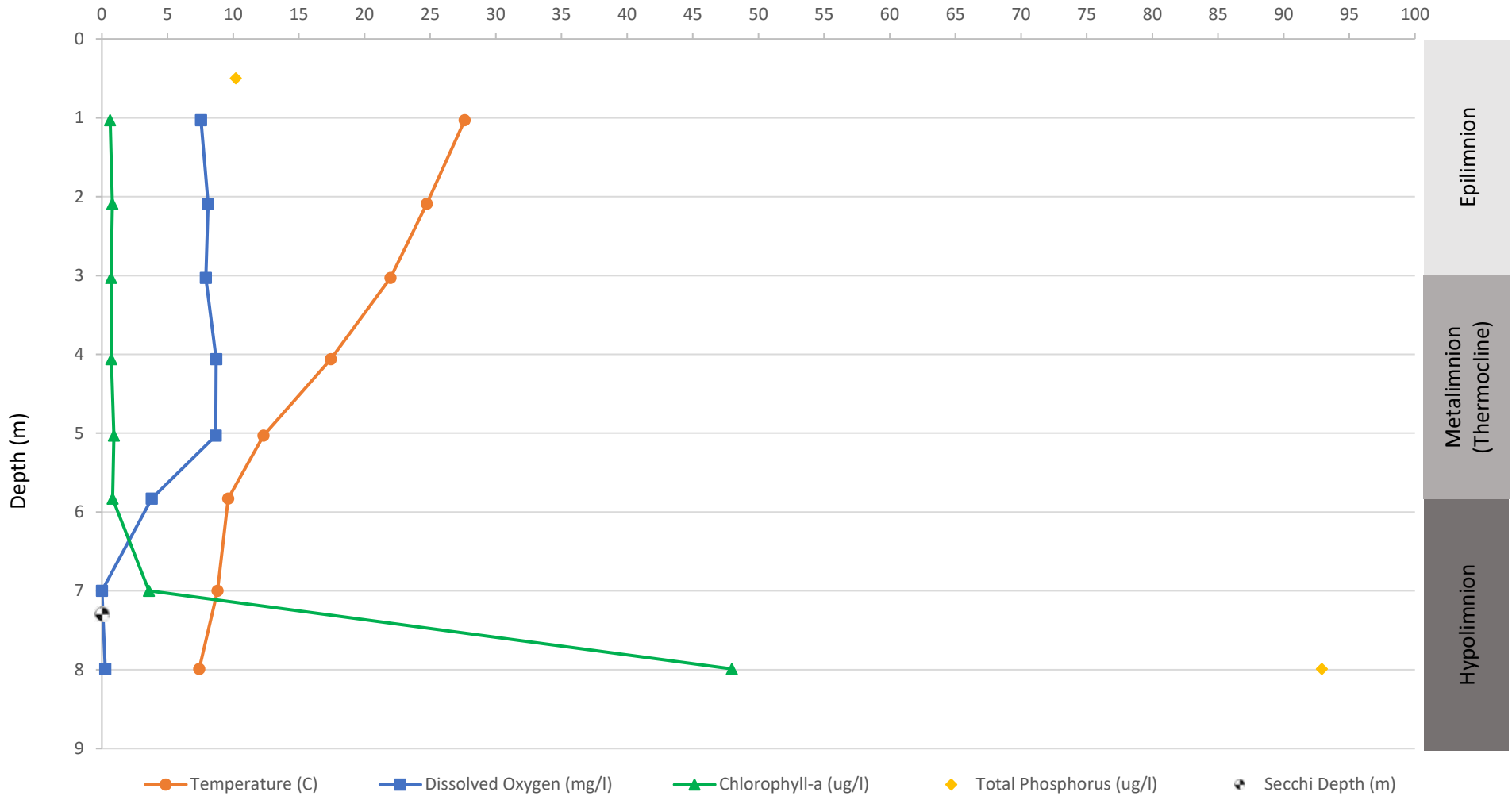
**Curtis Pond Station 1**

Cond=Conductivity(uS/cm) DO=Dissolved Oxygen(mg/L) Chl-a=Chlorophyll-a(ug/L) TP=Total Phosphorus(ug P/L) TN=Total Nitrogen(mg/L)  
 Al=Aluminum(ug/L) Ca=Calcium(mg/L) Cl=Chloride(mg/L) DIC=Dissolved Inorganic Carbon(mg/L) DOC=Dissolved Organic Carbon(mg/L) Fe=Iron(ug/L)  
 Mg=Magnesium(mg/L) Mn=Manganese(ug/L) K=Potassium(mg/L) Na=Sodium(mg/L) TCH=Total Calculated Hardness(mg CaCO3/L)

Date	Depth(m)	Temp(C)	pH	Cond	DO%	DO	Chl-a	TP*	TN*	Al	Ca	Cl	DIC	DOC	Fe*	Mg	Mn*	K	Na	TCH
7/6/2018	0.5							10.2	0.2	<20	28.3	<2	17.5	4.3	<50	2.9	22.7	0.4	1.2	82.5
7/6/2018	1.0	27.6	7.7	170.2	97.3	7.6	0.6													
7/6/2018	2.1	24.8	7.6	168.4	98.7	8.1	0.8													
7/6/2018	3.0	22.0	7.6	169.5	91.7	7.9	0.7													
7/6/2018	4.1	17.4	7.5	191.4	92.1	8.7	0.7													
7/6/2018	5.0	12.3	7.4	195.7	82.1	8.7	0.9													
7/6/2018	5.8	9.6	7.3	201.2	33.8	3.8	0.8													
7/6/2018	7.0	8.8	7.3	210.9	0.0	0.0	3.6													
7/6/2018	8.0	7.4	7.3	233.3	2.1	0.3	48.0	92.9	0.7	<20	37.1	2.4	26.0	4.4	180.7	3.2	4138.4	0.7	1.6	105.7

\*Large increase in concentration from surface (0.5 m) to bottom (1 m above sediment) water indicates internal loading from sediments under anoxic conditions.

Curtis Pond Station 1 Temperature, Dissolved Oxygen, Chlorophyll-a and Total Phosphorus Vertical Profiles on 7/6/2018



Anoxia in the hypolimnion and large increase in phosphorus concentration from surface (0.5 m) to bottom (1 m above sediment) water indicates internal loading from sediments. Note the chlorophyll-a (algae/cyanobacteria) maximum in the hypolimnion.