

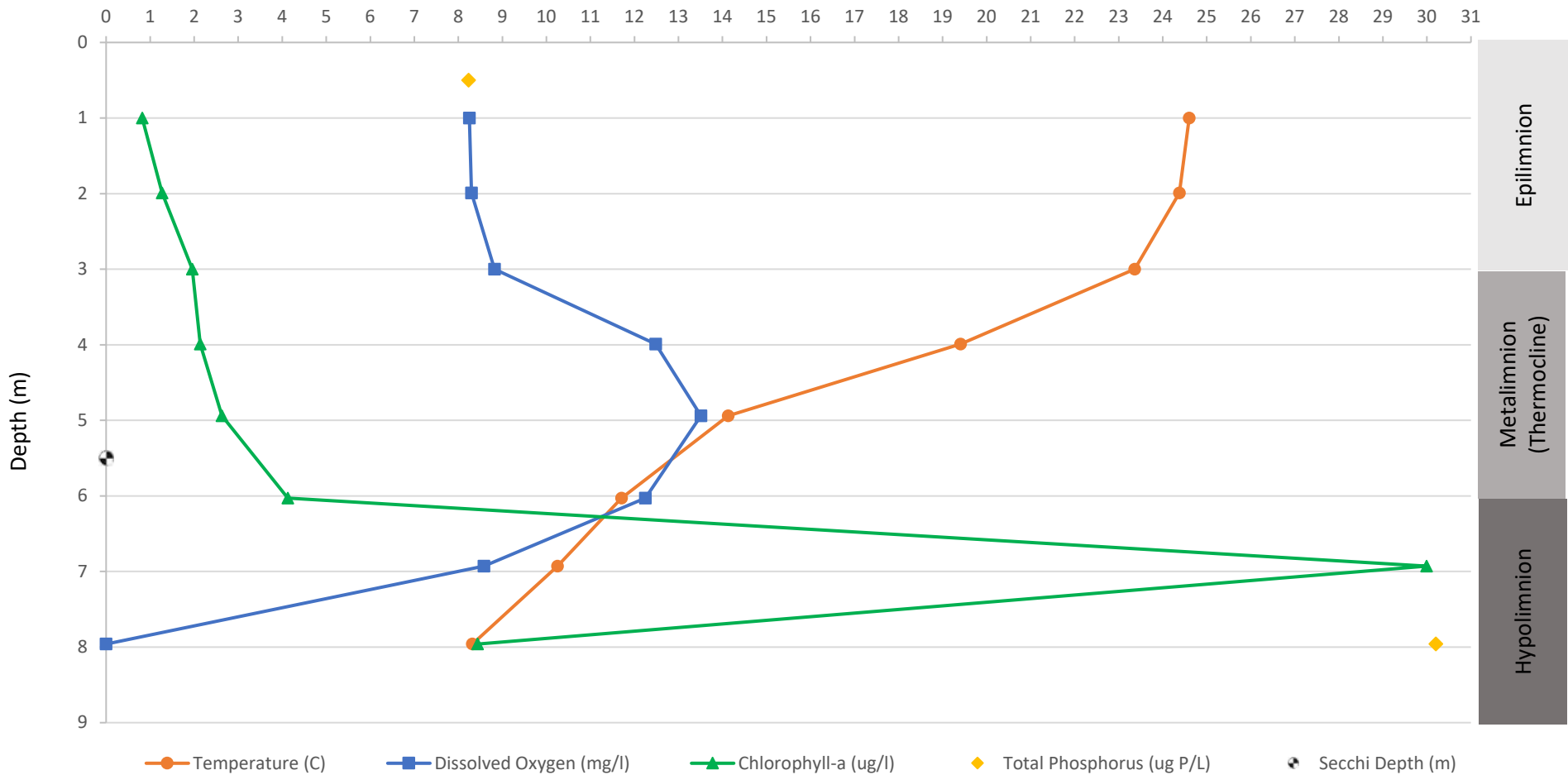
Greenwood Lake Station 1

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
7/9/18	0.5							8.2	0.2	<20	12.8	6.0	8.1	2.5	50.0	1.7	17.2	0.3	3.6	38.9
7/9/18	1.0	24.6	7.6	99.0	99.6	8.3	0.8													
7/9/18	2.0	24.4	7.7	99.0	99.8	8.3	1.3													
7/9/18	3.0	23.4	7.6	99.7	104.0	8.8	2.0													
7/9/18	4.0	19.4	7.7	104.8	136.3	12.5	2.1													
7/9/18	4.9	14.1	7.8	114.2	132.1	13.5	2.6													
7/9/18	6.0	11.7	7.6	119.4	113.3	12.3	4.1													
7/9/18	6.9	10.3	7.5	124.1	76.8	8.6	30.0													
7/9/18	8.0	8.3	7.3	134.0	0.0	0.0	8.4	30.2	0.4	<20	17.0	8.1	11.6	2.8	108.0	2.0	329.5	0.4	5.0	50.8

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

Greenwood Lake Station 1 Temperature, Dissolved Oxygen, Chlorophyll-a and Total Phosphorus Vertical Profiles on 7/9/2018



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.