

Norton Pond Station 2

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)

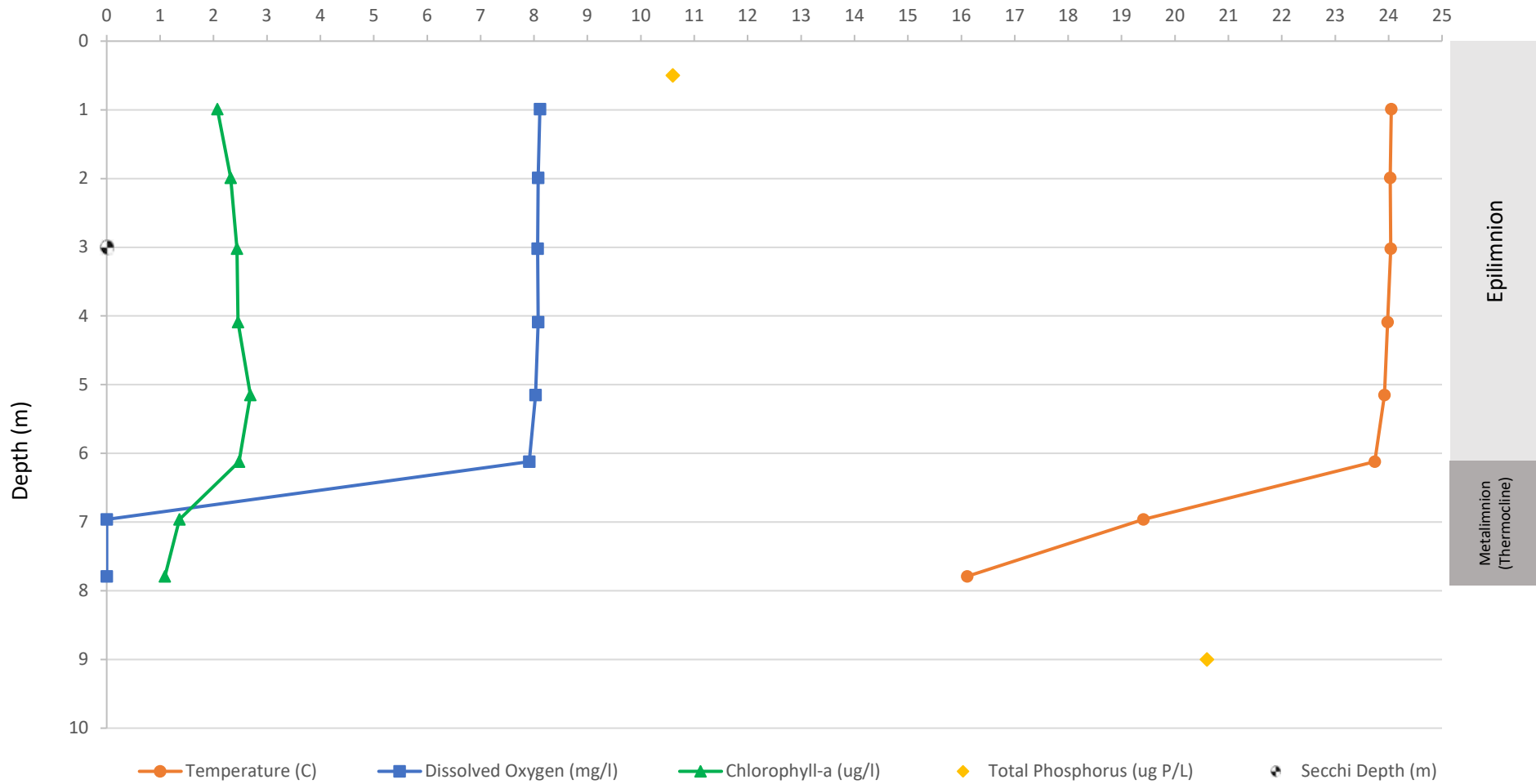
Al=Aluminum(ug/L) Ca=Calcium(mg/L) Cl=Chloride(mg/L) DIC=Dissolved Inorganic Carbon(mg/L) DOC=Dissolved Organic Carbon(mg/L)

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
8/1/18	0.5							10.6	0.3	27.0	7.1	2.5			55.3	0.8	37.9	0.4	2.2	20.8
8/1/18	1.0	24.1	7.7	54.7	97.8	8.1	2.1													
8/1/18	2.0	24.0	7.7	55.1	97.4	8.1	2.3													
8/1/18	3.0	24.0	7.7	54.8	97.2	8.1	2.4													
8/1/18	4.1	24.0	7.7	55.2	97.3	8.1	2.5													
8/1/18	5.2	23.9	7.7	55.3	96.6	8.0	2.7													
8/1/18	6.1	23.7	7.7	55.3	94.8	7.9	2.5													
8/1/18	7.0	19.4	7.2	75.1	0.0	0.0	1.4													
8/1/18	7.8	16.1	7.1	84.4	0.0	0.0	1.1													
8/1/18	9.0							20.6	0.7	38.9	9.7	2.9	8.0	6.7	4080.7	0.9	1465.6	0.6	2.2	27.8
6/8/18	0.5							16.6	0.3	43.2	5.6	2.5	3.7	5.0	69.1	0.6	13.5	0.4	1.9	
6/8/18	1.0	18.3	7.3	43.7	91.8	8.4	3.0													
6/8/18	2.0	17.6	7.3	43.9	90.8	8.4	2.4													
6/8/18	3.1	17.5	7.3	43.8	87.6	8.1	2.0													
6/8/18	4.0	17.2	7.2	44.5	87.7	8.2	2.7													
6/8/18	5.0	17.2	7.2	44.4	87.7	8.2	2.2													
6/8/18	6.0	17.1	7.2	44.4	87.6	8.2	2.0													
6/8/18	7.0	17.1	7.2	44.5	86.9	8.1	1.8													
6/8/18	8.0	16.8	7.1	45.6	76.5	7.2	2.3	12.7	0.3	57.3	5.7		3.8	4.9	93.7	0.6	19.9	0.4	2.0	

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

Norton Pond Station 2 Temperature, Dissolved Oxygen, Chlorophyll-a and Total Phosphorus Vertical Profiles on 8/1/2018



Anoxia near the sediment 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 epilimnion.

Norton Pond Station 2 Temperature, Dissolved Oxygen, Chlorophyll-a and Total Phosphorus Vertical Profiles on 6/8/2018

