Fe and Mn as drivers of phosphorus availability in Missisquoi Bay Temporal dynamics and stratification patterns in the water column Darren G. Schibler^[1], Andrew W. Schroth^[1], Courtney D. Giles^[1]

• Soluble reactive phosphorus (SRP) linked to cyanobacterial blooms in Missisquoi Bay^[1]

and in sediment adsorb SRP and control sediment phosphorus releases^[2]

• Lake stratification can lead to periods of anoxia and near the sediment-water interfae (SWI)^[3]

plasma mass spectrometry (ICP-MS)

• Monitor total dissolved phosphorus (TDP) and soluble reactive phosphoate (<0.45µm)

• Determine periods of stratification and their effect on sediment metal and phosphorus fluxes



