

Total phosphorus concentrations (mg/L) in the epilimnion of the three Lindenhurst Lakes from the most recent study in 2006, and from the previous studies (2000,2002).

Epilimnion:	Linden 3 feet	Waterford 3 feet	Potomac surface
DATE	2006	2006	2006
17-May	0.029	0.027	0.056
21-Jun	0.034	0.077	0.032
19-Jul	0.034	0.071	0.042
16-Aug	0.037	0.068	0.045
20-Sep	0.029	0.062	0.037
average	0.033	0.061	0.042
DATE	2002	2000	2000
May	0.019	0.037	0.032
June	0.032	0.029	0.038
July	0.041	0.037	0.029
August	0.052	0.015	0.012
September	0.066	0.041	0.048
average	0.042	0.032	0.032

Explanation: Total phosphorus (TP) concentrations increased from 2000 to 2006 in Waterford Lake and Potomac Lake, while Lake Linden experienced a decrease in TP from 2002 to 2006. In 2006, Lake Linden contained Water Stargrass, White Water Crowsfoot, and Chara, while the other two lakes only contained Chara. All three lakes experienced a large loss of plant diversity from 2000/2002 to 2006. Many factors can affect TP concentrations, including plant density/diversity, carp populations (resuspension), fertilizers applied to lawns in the watershed, etc.