

**Internal loading calculations for Lakes Waukegan and Winona.**

<i>Parameter</i>	<i>Units</i>	<b>Waukegan</b>	<b>Winona</b>
September epilimnetic TP concentration <sup>1</sup>	µg/L	6.45	7.1
September hypolimnetic TP concentration	µg/L	18.75	12.5
Accumulated TP	µg/L	12.3	5.4
Volume of hypolimnion <sup>2</sup>	liters	2,551,018,000	158,982,000
Hypolimnetic TP mass accumulation	kg	31.38	0.86
Adjustment for particulate vs. dissolved <sup>3</sup>	% fraction	0.5	0.5
<b>Internal load</b>	<b>kg</b>	<b>15.69</b>	<b>0.43</b>

Notes:

<sup>1</sup> *September epilimnetic TP concentration used because early season data were not available. Ideally, concentration at spring turnover would be used.*

<sup>2</sup> *volume of hypolimnion below 10 meters used*

<sup>3</sup> *adjustment factor assumes that 50% of TP in hypolimnion is particulate and came from epilimnion*