

Status Update: Eastham Inland Kettle Ponds  
December 2018

Pond	Upper Waters TP µg/L		Lower Waters TP µg/L		Secchi Depth m		Chlorophyll-a µg/L		Comments
	2008-2011	2012-2017	2008-2011	2012-2017	2007-2011	2012-2017	2008-2011	2012-2017	
<b>Bridge</b>	17.9	15.6	29.2	55.9	2.3	2.5	2.3	7.0	Elevated chlorophyll-a at 5 m depth
<b>Depot</b>	8.0	11.3	16.9	29.1	5	2.9	1.7	3.7	Elevated chlorophyll-a at 8m depth; declining quality
<b>Great</b>	8.6	16.3 (19.6/14.6)	24.3	52.4 (83.2/29.3)	3.2	2.9 (3.6/2.4)	7.6	3.6 (2.9/4.2)	Alum treatment, 2013 (2012-2013/2014-2017)
<b>Herring</b>	19.1	17.4 (30.3/12.2)	70.9	236.2 (776/20.1)	1.7	3.3 (0.6/4.4)	5.8	8.2 (23.5/2.0)	Alum treatment, 2012 (2012-2014/2015-2017)
<b>Jemima</b>	19.6	21.5	16.1	NS	2.6	2.6	12.6	2.8	Post 2008, sampling in September, past peak algal abundance, likely stable
<b>Little Depot</b>	21.5	62.2	23.4	NS	1.7	1.1	13.9	11.1	Later sampling years biased by destratification, no change
<b>Minister</b>	16.7	26.1	28.2	64.5	1.3	1.6	7.0	6.3	Elevated chlor-a at depth. TP influenced by sampling date
<b>Molls</b>	13.1	23.0	14.0	24.7	2.5	2.2	8.4	9.5	Data suggest increasing algal abundance
<b>Muddy</b>	27.2	35.2	NS	NS	1.3	1.2	2.6	5.6	Data suggest increasing algal abundance
<b>Schoolhouse</b>	15.5	24.8	36.8	87.2	1.3	1.4	13.9	6.9	TP influenced by sampling date
<b>Widow Harding</b>	21.0	22.8	24.5	25.0	2.9	2.0	2.6	4.0	Slight increase in algal abundance