

Little Elk Lake – Secchi Disk Readings

Secchi disk is used to take transparency measurements of lake during the summer months (June thru September). Usually eight to ten readings per season are needed to adequately define each season's water quality. Secchi disk data provide a basis for assessing water quality. In most Minnesota lakes, Secchi disk transparency provides indirect measure of the amount of algae in the water. Suspended sediments or color due to dissolved organic material may also limit transparency.

SECCHI DISK READINGS FOR LITTLE ELK LAKE (1985 – 2015)

YEAR	MEAN	MINIMUM	MAXIMUM	# READINGS
1985	1.5	-	-	7
1986	1.5	-	-	4
1993	2.0	-	-	6
1994	2.2	-	-	14
2000	2.2	-	-	-
2001	1.2	1.0	1.5	8
2002	2.3	1.0	5.0	11

2003	1.7	1.0	2.5	13
2004	1.8	1.0	2.5	11
2005	2.4	1.0	5.5	11
2006	2.5	1.0	5.0	12
2007	2.2	1.0	4.0	9
2008	2.5	1.5	4.5	13
2009	2.9	1.5	5.0	12
2010	2.8	1.5	4.5	10

2011	3.1	1.5	5.5	9
2012	2.7	1.5	5.5	8
2013	2.5	1.5	4	7
2014	3.1	2.0	5.0	8
2015	3.4	2.0	7.0	8
2016	2.8	2.0	4.5	9