



Diatom Sediment Data

Arctic Lake #1: Slipper Lake
(Northwest Territories,
CANADA)

Depth of Sentiment (cm)	Estimated Year of Sentiment	Percentage of Cyclotella Species
1	1997	13.29
2	1955	9.73
2.5	1937	10.60
3	1913	8.29
3.5	1886	4.32
4	1854	5.80
4.5	1837	3.88
5	1820	3.40
5.5	1804	2.44
6	1623	3.33

Arctic Lake #2: Lake Saanajarvi
(Subarctic, FINLAND)

Estimated Year of Sentiment	Percentage of Cyclotella Species
1990	44
1957	45
1935	36
1915	27
1900	19
1877	14
1834	11.5
1767	4.3
1700	4.25
1650	4.6



Arctic Lake #3: Lake Birgervatnet (Svalbard, NORWAY)

Estimated Year of Sentiment	Percentage of Cyclotella Species
1993	20.4
1990	20.2
1982	30
1958	15
1943	5
1927	0.2
1875	3
1845	5
1818	8
1740	5
1690	0.5
1600	0

Temperate Lake #1: Whitefish Bay (Lake of the Woods, Ontario, CANADA)

Depth of Sentiment (cm)	Estimated Year of Sentiment	Percentage of Cyclotella Species
1	2001.83	35.71
5	2000.15	22.84
9	1996.64	29.02
13	1992.74	27.94
17	1988.38	13.97
21	1983.02	7.21
25	1974.07	0.94
29	1964.52	0.80
33	1956.30	1.83
37	1947.80	0.46
41	1939.65	0.00
45	1925.67	1.14
49	1910.61	0.54

**Temperate Lake #2: Emmett Lake (Bruce Peninsula, Ontario, CANADA)**

Depth of Sentiment (cm)	Estimated Year of Sentiment	Percentage of Cyclotella Species
0-0.5	1998	54.57
0.5-1	1995	43.07
3-3.5	1990	36.04
4.5-5	1982	28.31
7.5-8	1956	15.56
9-9.5	1941	5.70
12-13	1893	2.02
13-14	1869	1.94
16-17	1821	0.28
18-19	1797	0.00
24-25	1749	0.00
27-28	1725	0.26
39-40	1677	0.00
30-31	1653	0.74



Temperate Lake #3: Wolfe Lake (New Brunswick, CANADA)		
Depth of Sentiment (cm)	Estimated Year of Sentiment	Percentage of Cyclotella Species
0.0-1.0	2003	61.98
2.75-3.0	1995	53.57
4.75-5.0	1985	59.36
8.75-9.0	1957	28.68
10.75-11.0	1945	21.53
12.75-13.0	1933	20.40
16.75-17.0	1908	11.50
18.75-19.0	1878	12.88
20.75-21.0	1848	11.91
24.75-25.0	1788	14.39
26.75-27.0	1758	11.47
28.75-29.0	1728	10.40
32.75-33.0	1668	11.89
34.0-35.0	1638	11.69