

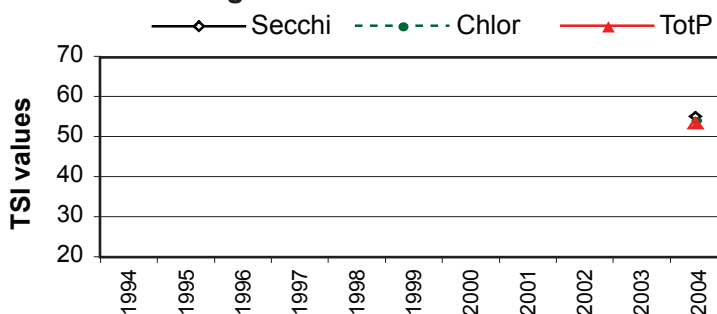
Killarney North

Chlorophyll Concentrations and Algae

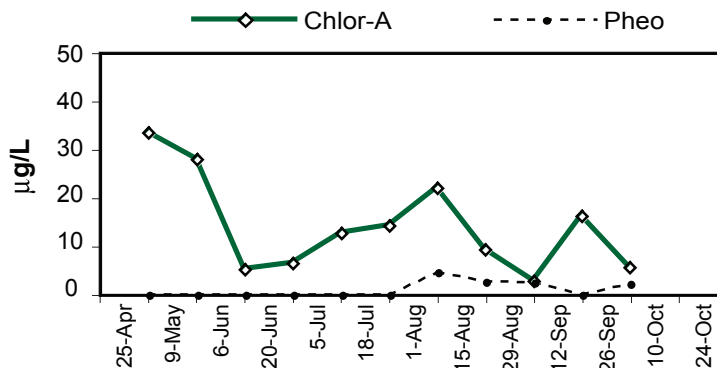
Chlorophyll content was highest in May, declined in June and then rose to a peak in early August, declined again and peaked in September. No samples were taken in October. Common algae in the phytoplankton community throughout the season included several species of the chrysophyte *Dinobryon*, the colonial bluegreens *Anacystis* and *Snowella*, and a variety of cryptophyte taxa.

Date	Secchi	depth-m	degC	Chlor-A	TP µg/L	TN µg/L
5/23/04	1.1	1	19.0	28.00	35.5	717
		2.5	19.0	28.50	35.8	597
8/29/04	1.4	1	20.0	2.90	19.2	585

TSI Ratings



Chlorophyll a Concentrations (ug/L)



Common Algae

	Group
<i>Dinobryon spp</i>	Chrysophyta
unidentified single cells	Chrysophyta
<i>Cryptomonas sp</i>	Cryptophyta

2004 Level I Data

* See introduction for discussion of algae assessment and goose count methods.

Killarney North

2004 Level II Data

Date (2004)	Temp (°C)	Secchi (m)	Chl-a (µg/l)	TP (µg/l)	TN (µg/l)	Algae Obsv.	N:P	Calculated TSI		
								Secc	chl-a	TP
25-Apr										
9-May	19.0	1.5	33.60	35.7	759	3	21	54.1	65.0	55.7
23-May	19.0	1.1	28.00	35.5	717	3	20	58.6	63.3	55.6
6-Jun	18.0	1.7	5.21	24.7	567	2	23	52.3	46.8	50.4
20-Jun	20.0	1.6	6.57	28.6	607	2	21	53.2	49.0	52.5
5-Jul	22.5	1.4	12.70	34.4	750	3	22	55.1	55.5	55.2
18-Jul	23.0	1.4	14.30	25.0	618	1	25	55.1	56.7	50.6
1-Aug	25.0	1.3	22.10	59.8	856	3	14	56.2	60.9	63.2
15-Aug	22.5	1.9	9.29	22.0	625	2	28	50.7	52.4	48.7
29-Aug	20.0	1.4	2.88	19.2	585	1	30	55.1	40.9	46.8
12-Sep	18.0	1.1	16.30	26.2	625	3	24	58.6	58.0	51.3
26-Sep	15.0	1.3	5.61	39.6	662	3	17	56.2	47.5	57.2
10-Oct										
24-Oct										
	Temp (°C)	Secchi (m)	Chl-a (µg/l)	TP (µg/l)	TN (µg/l)	Algae	N:P	Calculated TSI		
								Secc	chl-a	TP
Mean	20.2	1.4	14.2	31.9	670.1	2.4	22	55.1	54.2	53.4
Median	20.0	1.4	12.7	28.6	625.0	3	22	55.1	55.5	52.5
Min	15.0	1.1	2.9	19.2	567.0	1	14	50.7	40.9	46.8
Max	25.0	1.9	33.6	59.8	856.0	3	30	58.6	65.0	63.2
Count	11	11	11	11	11	11	11	11	11	11

TSI Average = 54.2