

Pigment Data of Sea Ice Cores Collected from Fast Ice Area
near Syowa Station, Antarctica, from March 1983
to January 1984 (JARE-24)

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The Japanese Antarctic Research Expedition (JARE-23~25) carried out marine biological investigations in the fast ice area near Syowa Station (69°00'S, 39°35'E) from 1982 to 1984 as part of the international BIOMASS (Biological Investigations of Marine Antarctic Systems and Stocks) program. We took part in the second year research program and focused on primary producers in the water column and in the sea ice. In this report, we present pigment data on sea ice cores collected near Syowa Station. These data are important for evaluating the activity of micro-algae in the sea ice (ice algae).

Water column data from routine observations during the three-year program are published elsewhere (Fukuchi et al., 1985; Watanabe et al., 1986a; Matsuda et al., 1987).

Ice core collection was carried out at four locations in the fast ice area near Syowa Station (Fig. 1) from March 1983 to January 1984 (Table 6 in Watanabe et al., 1986b). Two cores were sampled at each site of collection. Sites of the collection were situated less than 30 m from those for routine oceanographic observations during JARE-24 (Watanabe et al., 1986a). The procedure for ice core collection and methods of the

measurement of chlorophyll a, phaeopigments and practical salinity scale are indicated in Watanabe and Satoh (1987).

In the following Tables 1-4, the 6 columns from the left summarize the data from each of two cores and the remaining 5 columns show average data for each part.

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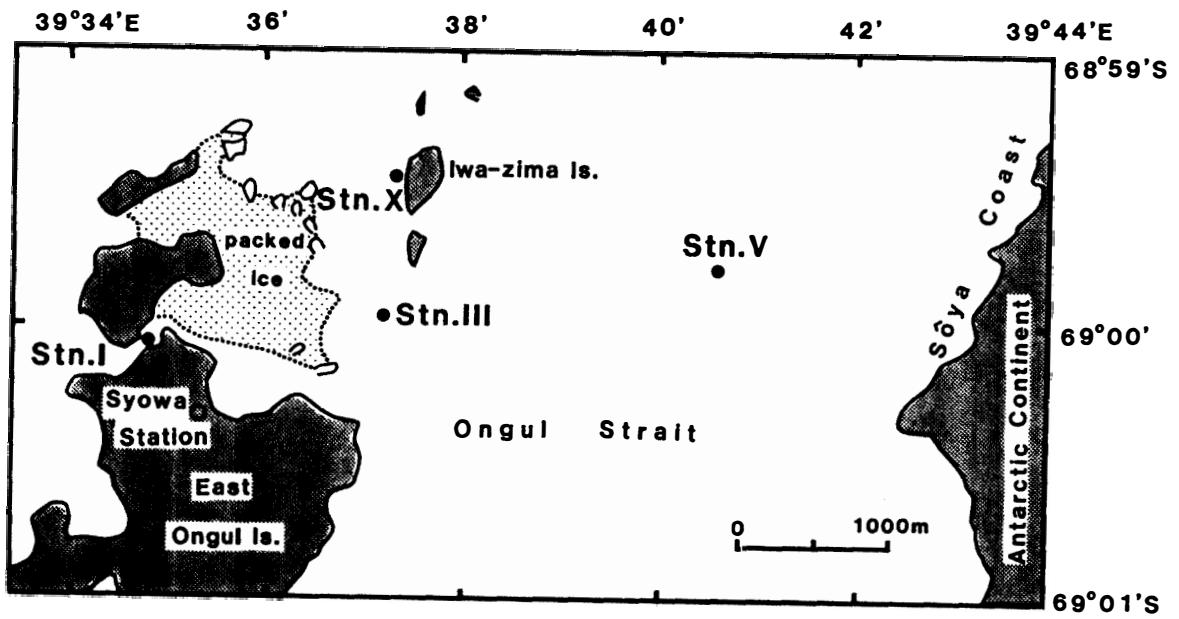


Fig. 1. Location of ice core sampling sites near Syowa Station.

Table 1. Pigment data of ice-melt water from a particular part of two ice cores collected at Stn. I. The average of the two values, the total thickness of an ice core and integrated standing crop for chlorophyll a and phaeopigments were calculated. PSal and PRatio indicate practical salinity scale and pigment ratio, respectively.

Stn. I Date 3.3 Core no. 1/3										
Part no.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			PRatio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 10	10	-	0.013	0.005					
			-	0.009	0.028	10	-	0.011	0.017	48.4
2	10/ 23	13	-	0.153	0.329					
			-	0.135	0.326	13	-	0.144	0.328	30.6
3	70/ 80	10	-	0.780	1.442					
	64/ 80	16	-	1.407	2.093	13	-	1.094	1.768	38.2
T O T A L						Thickness (cm)		Chl.a (mg m ⁻²)	Phaeop.	PRatio (%)
						36.0		0.162	0.275	37.1
Stn. I Date 3.16 Core no. 3/4										
Part no.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			PRatio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 17	17	2.0	0.024	0.042					
			1.0	0.032	0.069	17	1.5	0.028	0.055	33.9
2	17/ 34	17	2.0	0.402	0.487					
			2.0	0.345	0.515	17	2.0	0.373	0.501	42.7
3	72/ 80	8	1.0	1.125	1.044					
			2.0	1.382	1.371	8	1.5	1.253	1.207	51.0
4	80/ 89	9	3.0	8.307	13.147					
			2.0	6.790	12.338	9	2.5	7.548	12.742	37.1
T O T A L						Thickness (cm)		Chl.a (mg m ⁻²)	Phaeop.	PRatio (%)
						51.0		0.848	1.338	38.8
Stn. I Date 3.20 Core no. 1/4										
Part no.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			PRatio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 18	18	1.0	0.008	0.050					
			0.0	0.015	0.041	18	0.5	0.011	0.046	20.2
2	18/ 36	18	0.0	0.744	1.552					
			0.0	0.583	1.167	18	0.0	0.663	1.359	32.9
3	75/ 86	11	2.0	4.134	5.968					
			2.0	4.033	5.235	11	2.0	4.084	5.601	42.2
4	86/ 92	6	2.0	8.350	14.662					
			2.0	11.043	16.836	6	2.0	9.697	15.749	37.9
T O T A L						Thickness (cm)		Chl.a (mg m ⁻²)	Phaeop.	PRatio (%)
						53.0		1.152	1.814	38.8

Stn. I Date 4.2 Core no. 3/4

Part no.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			PRatio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 20	20	0.6	0.033	0.095	20	0.6	0.030	0.103	22.8
			0.7	0.028	0.111					
2	20/ 35	15	2.3	0.449	1.246	15	1.8	0.409	1.077	27.7
			1.2	0.369	0.908					
3	35/ 46	11	2.3	0.407	1.758	12	2.0	0.563	1.635	25.5
			1.6	0.719	1.512					
4	76/ 80	4	2.3	2.613	1.777	4	2.8	2.089	1.906	51.5
			2.9	1.564	2.035					
5	80/ 85	5	2.6	1.449	2.041	5	2.3	1.747	3.263	36.4
			2.0	2.045	4.485					
6	85/ 90	5	5.2	12.313	19.315	6	4.6	12.560	21.962	36.6
			4.0	12.807	24.608					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	PRatio (%)	
						61.5	0.997	1.826	35.3	

Stn. I Date 4.11 Core no. 1/2

Part no.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			PRatio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 20	20	1.2	0.075	0.096	20	1.1	0.051	0.107	31.2
			1.0	0.027	0.118					
2	20/ 35	15	1.0	0.079	0.231	15	1.1	0.143	0.329	29.1
			1.2	0.206	0.427					
3	35/ 50	15	1.8	0.779	1.161	15	2.0	0.863	1.283	40.2
			2.1	0.947	1.404					
4	50/ 61	11	3.6	3.294	5.052	11	4.0	2.598	4.971	33.7
			4.4	1.902	4.891					
5	69/ 79	10	6.9	3.103	5.217	11	7.1	3.710	6.529	36.4
			7.3	4.317	7.840					
6	79/ 84	5	3.3	3.497	7.984	5	2.9	3.773	7.407	33.8
			2.5	4.049	6.830					
7	84/ 89	5	3.8	7.847	22.950	5	3.3	8.794	21.819	28.7
			2.7	9.741	20.688					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	PRatio (%)	
						81.5	1.465	2.957	33.1	

Stn. I Date 4.16 Core no. 3/5

Part no.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			PRatio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 20	20	1.5	0.061	0.108	20	1.4	0.056	0.120	31.8
			1.3	0.050	0.133					
2	20/ 35	15	1.4	0.271	0.674	15	1.4	0.165	0.390	32.1
			1.4	0.059	0.106					
3	35/ 50	15	2.8	0.940	1.975	15	2.6	0.608	1.373	29.3
			2.4	0.275	0.771					
4	50/ 60	10	3.6	0.574	1.456	10	3.3	0.432	1.000	31.5
			3.0	0.290	0.543					
5	60/ 65	5	8.0	1.394	3.387	6	7.0	1.205	2.818	30.1
			6.0	1.016	2.249					
6	75/ 80	5	9.2	2.614	5.429	5	9.8	2.232	4.538	33.1
			10.4	1.849	3.646					
7	80/ 85	5	4.6	3.112	6.389	5	6.3	3.348	6.599	33.6
			8.0	3.584	6.808					
8	85/ 81	1	4.5	7.599	7.301	1	5.2	8.256	9.833	46.4
			5.9	8.912	12.364					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	PRatio (%)	
						77.0	0.604	1.213	33.2	

Stn. I Date 4.23 Core no. 1/2

Part no.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			PRatio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 20	20	1.5	0.057	0.032	20	1.2	0.049	0.035	58.3
			0.9	0.041	0.037					
2	20/ 35	15	1.5	0.035	0.035	15	1.4	0.029	0.043	40.3
			1.2	0.022	0.050					
3	35/ 50	15	2.6	0.455	0.613	15	2.5	0.641	0.684	47.5
			2.4	0.827	0.754					
4	50/ 60	10	3.6	0.765	1.027	10	3.9	0.791	1.158	40.7
			4.1	0.816	1.289					
5	60/ 65	5	6.5	1.605	3.216	5	6.6	2.000	3.651	35.1
			6.7	2.394	4.085					
6	65/ 70	5	8.2	3.897	9.706	5	8.5	4.698	10.089	31.5
			8.8	5.499	10.471					
7	70/ 75	5	4.5	12.355	25.765	5	4.8	15.684	24.858	38.3
			5.0	19.012	23.951					
8	75/ 78	3	12.9	80.942	16.759	3	12.1	56.847	15.864	75.7
			11.2	32.751	14.968					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	PRatio (%)	
						78.0	3.014	2.637	53.3	

Stn. I Date 5.10 Core no. 1/2

Part no.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			PRatio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	11.9	1.467	0.782	5	11.9	1.175	0.668	63.6
			11.8	0.882	0.554					
2	5/ 10	5	11.6	3.387	1.440	5	11.3	3.362	1.532	68.7
			11.0	3.337	1.623					
3	10/ 15	5	10.4	2.754	1.495	5	10.4	2.805	1.668	62.8
			10.4	2.855	1.841					
4	15/ 20	5	10.1	2.748	2.672	5	10.2	2.512	2.593	49.1
			10.2	2.276	2.513					
5	20/ 23	3	9.9	9.546	4.017	3	10.8	9.722	4.713	67.5
			11.6	9.898	5.408					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	PRatio (%)	
						23.0	0.784	0.464	62.8	

Stn. I Date 5.14 Core no. 3/5

Part no.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			PRatio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	13.8	2.906	0.943	5	13.6	1.922	0.673	72.8
			13.3	0.938	0.402					
2	5/ 10	5	9.2	1.787	0.761	5	9.7	3.369	1.170	73.0
			10.2	4.951	1.578					
3	10/ 15	5	9.9	3.277	1.923	5	9.8	4.224	1.849	68.7
			9.7	5.171	1.774					
4	15/ 20	5	12.6	59.076	30.192	5	11.1	31.546	16.601	61.7
			9.5	4.016	3.010					
5	20/ 25	5	10.4	35.546	17.220	5	10.2	22.013	10.939	66.0
			10.0	8.479	4.657					
6	25/ 30	5	10.8	59.870	18.378	5	10.4	35.528	10.391	79.4
			9.9	11.186	2.404					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	PRatio (%)	
						30.0	4.930	2.081	70.3	

Stn. I Date 5.20 Core no. 3/4

Part no.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	12.7	0.303	0.164					
			12.5	0.273	0.198	5	12.6	0.288	0.181	61.4
2	5/ 10	5	9.3	2.166	0.849					
			9.3	3.021	0.907	5	9.3	2.594	0.878	74.4
3	10/ 15	5	8.0	2.522	1.002					
			9.2	13.459	4.094	5	8.6	7.991	2.548	74.1
4	15/ 20	5	9.3	25.351	6.691					
			8.3	18.955	4.614	5	8.8	22.153	5.653	79.8
5	20/ 25	5	10.1	18.389	8.416					
			9.0	6.066	2.966	5	9.6	12.228	5.691	67.9
6	25/ 30	5	10.5	15.566	7.751					
			7.2	1.901	2.669	5	8.9	8.734	5.210	54.2
7	30/ 35	5	9.4	5.170	3.412					
			8.1	1.692	1.199	5	8.8	3.431	2.306	59.4
8	35/ 40	5	9.6	11.485	4.034					
			8.8	7.520	2.050	5	9.2	9.503	3.042	76.3
9	40/ 45	5	10.2	44.298	8.844					
			9.9	36.388	5.747	5	10.1	40.343	7.296	84.9
T O T A L						Thickness (cm)		Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)
						45.0		5.363	1.640	76.6

Stn. I Date 5.25 Core no. 1/2

Part no.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	12.9	0.374	0.146					
			12.3	0.635	0.216	5	12.6	0.505	0.181	73.3
2	5/ 10	5	11.6	3.410	1.001					
			10.7	3.324	0.985	5	11.2	3.367	0.993	77.2
3	10/ 15	5	12.0	6.831	2.722					
			10.6	4.150	2.875	5	11.3	5.491	2.799	65.3
4	15/ 20	5	11.4	9.013	4.495					
			9.6	6.909	3.025	5	10.5	7.961	3.760	68.1
5	20/ 25	5	13.5	26.678	12.402					
			13.1	23.551	10.979	5	13.3	25.115	11.691	68.2
6	25/ 30	5	14.4	29.481	12.976					
			11.6	14.157	6.659	5	13.0	21.819	9.818	68.7
7	30/ 35	5	10.8	12.591	5.460					
			9.0	6.290	2.919	5	9.9	9.411	4.190	69.0
8	35/ 40	5	10.3	4.429	1.869					
			9.6	4.362	2.036	5	10.0	4.396	1.953	69.3
9	40/ 45	5	8.5	2.576	0.935					
			8.2	2.513	0.910	5	8.4	2.545	0.923	73.4
10	45/ 50	5	7.6	25.494	5.546					
			8.2	18.443	2.928	5	7.9	21.969	4.237	84.2
11	50/ 53	3	11.0	50.197	7.966					
			11.6	22.533	3.589	3	11.3	36.365	5.778	86.3
T O T A L						Thickness (cm)		Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)
						53.0		6.221	2.200	73.9

Stn. I Date 5.29 Core no. 1/2

Part no.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			PRatio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	14.5	0.909	0.483	5	18.7	0.754	0.365	68.0
			22.9	0.598	0.247					
2	5/ 10	5	10.0	5.774	1.982	5	10.9	3.230	1.169	70.1
			11.7	0.685	0.356					
3	10/ 15	5	10.3	12.982	4.126	5	11.1	8.269	2.769	73.7
			11.8	3.555	1.411					
4	15/ 20	5	11.1	28.309	9.524	5	11.8	27.668	10.105	73.2
			12.5	27.026	10.685					
5	20/ 25	5	11.9	12.007	5.072	5	11.5	12.155	5.178	70.1
			11.0	12.303	5.283					
6	25/ 30	5	8.6	4.706	2.576	5	8.8	4.373	2.327	65.3
			9.0	4.039	2.077					
7	30/ 35	5	8.5	1.594	1.012	5	8.7	1.318	0.873	59.9
			8.9	1.042	0.733					
8	35/ 40	5	9.7	0.431	0.546	5	10.1	0.548	0.761	42.3
			10.5	0.665	0.976					
9	40/ 45	5	10.5	0.640	0.909	5	9.8	0.577	0.691	46.7
			9.1	0.513	0.472					
10	45/ 50	5	7.8	4.024	1.494	5	8.6	4.379	1.401	75.6
			9.4	4.733	1.308					
11	50/ 55	5	9.0	28.334	5.353	5	8.7	26.994	4.646	85.4
			8.4	25.654	3.938					
12	55/ 59	4	11.2	26.388	3.872	4	13.5	27.224	4.239	86.6
			15.8	28.060	4.606					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	PRatio (%)	
						59.0	5.602	1.684	76.9	

Stn. I Date 6.4 Core no. 1/2

Part no.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			PRatio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	13.5	0.468	0.232	5	11.9	0.494	0.248	66.6
			10.3	0.519	0.263					
2	5/ 10	5	12.6	4.932	1.593	5	11.6	2.878	1.062	68.2
			10.5	0.823	0.530					
3	10/ 15	5	12.6	9.318	2.941	5	11.0	5.999	2.153	71.1
			9.4	2.679	1.364					
4	15/ 20	5	10.9	2.944	1.857	5	10.5	13.359	5.042	67.8
			10.1	23.774	8.226					
5	20/ 25	5	10.4	2.790	2.031	5	11.1	8.245	4.318	62.7
			11.8	13.700	6.604					
6	25/ 30	5	8.9	0.976	2.559	5	10.4	9.846	6.000	47.0
			11.8	18.715	9.441					
7	30/ 35	5	8.6	0.412	0.942	5	9.6	4.574	3.020	46.8
			10.5	8.735	5.097					
8	35/ 40	5	8.0	0.325	0.695	5	9.4	1.290	1.130	45.5
			10.8	2.255	1.564					
9	40/ 45	5	8.4	0.598	0.680	5	8.0	0.660	0.643	50.6
			7.6	0.721	0.606					
10	45/ 50	5	7.6	3.769	1.047	5	7.4	4.115	1.352	75.6
			7.2	4.460	1.657					
11	50/ 55	5	7.4	6.057	1.392	5	7.2	12.551	2.757	81.8
			7.0	19.044	4.121					
12	55/ 60	5	7.6	20.908	3.925	5	7.5	18.987	3.378	85.0
			7.4	17.065	2.830					
13	60/ 62	2	13.9	3.335	0.978	2	15.4	2.595	0.805	76.0
			16.9	1.855	0.632					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	PRatio (%)	
						62.0	4.202	1.571	72.8	

Stn. I Date 6.10 Core no. 1/2

Part no.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			PRatio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	13.6	0.851	0.364					
			15.0	0.000	0.031	5	14.3	0.426	0.198	35.0
2	5/ 10	5	13.1	3.068	0.614					
			11.5	4.173	1.027	5	12.3	3.621	0.821	81.8
3	10/ 15	5	10.8	3.321	1.179					
			11.2	22.868	4.024	5	11.0	13.095	2.602	79.4
4	15/ 20	5	11.1	2.531	1.139					
			10.7	3.010	1.467	5	10.9	2.771	1.303	68.1
5	20/ 25	5	11.1	1.555	0.981					
			10.0	2.795	1.521	5	10.6	2.175	1.251	63.0
6	25/ 30	5	11.1	1.647	1.006					
			9.6	1.564	1.310	5	10.4	1.606	1.158	58.2
7	30/ 35	5	10.5	1.193	1.101					
			8.6	0.971	1.029	5	9.6	1.082	1.065	50.3
8	35/ 40	5	7.5	0.329	0.408					
			8.3	0.335	0.619	5	7.9	0.332	0.514	39.9
9	40/ 45	5	8.3	0.330	0.326					
			8.2	0.410	0.364	5	8.3	0.370	0.345	51.6
10	45/ 50	5	7.4	0.499	0.394					
			7.8	0.596	0.363	5	7.6	0.548	0.379	59.0
11	50/ 55	5	6.1	2.028	0.399					
			7.7	4.188	0.676	5	6.9	3.108	0.538	84.8
12	55/ 60	5	7.6	9.252	1.032					
			7.9	10.831	0.904	5	7.8	10.042	0.968	91.1
13	60/ 66	6	10.2	20.939	0.553					
			10.0	20.140	0.904	6	10.1	20.540	0.729	96.6
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	PRatio (%)	
						66.6	3.191	0.601	84.2	

Stn. I Date 6.16 Core no. 1/2

Part no.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			PRatio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	12.5	0.251	0.117					
			10.7	0.226	0.120	5	11.6	0.239	0.119	66.8
2	5/ 10	5	9.2	2.723	0.866					
			10.2	2.901	0.745	5	9.7	2.812	0.806	77.7
3	10/ 15	5	10.3	63.983	22.651					
			9.8	1.511	0.591	5	10.1	32.747	11.621	72.9
4	15/ 20	5	10.0	0.000	0.033					
			10.4	2.222	1.244	5	10.2	1.111	0.639	32.1
5	20/ 25	5	10.4	2.670	1.011					
			9.3	1.486	1.042	5	9.9	2.078	1.027	65.7
6	25/ 30	5	8.8	1.425	0.837					
			8.3	1.261	1.143	5	8.6	1.343	0.990	57.7
7	30/ 35	5	8.9	0.947	0.877					
			8.0	0.489	0.651	5	8.5	0.718	0.764	47.4
8	35/ 40	5	7.2	0.268	0.318					
			6.4	0.214	0.386	5	6.8	0.241	0.352	40.7
9	40/ 45	5	7.2	0.310	0.251					
			7.3	0.251	0.336	5	7.3	0.281	0.294	49.0
10	45/ 50	5	6.4	0.399	0.267					
			5.5	0.353	0.331	5	6.0	0.376	0.299	55.8
11	50/ 55	5	6.6	1.568	0.297					
			6.2	1.478	0.471	5	6.4	1.523	0.384	80.0
12	55/ 60	5	6.7	4.337	0.540					
			7.6	4.366	1.023	5	7.2	4.352	0.782	85.0
13	60/ 65	5	6.3	7.226	0.780					
			7.7	16.815	1.536	5	7.0	12.021	1.158	90.9
14	65/ 69	4	12.3	1.620	0.312					
			13.0	4.504	0.764	4	12.7	3.062	0.538	84.7
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	PRatio (%)	
						69.0	3.114	0.983	76.0	

Stn. I Date 6.28 Core no. 1/2

Part no.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	14.4	0.103	0.067	5	13.6	1.186	0.369	68.9
			12.8	2.269	0.671					
2	5/ 10	5	12.1	2.074	0.516	5	11.3	4.499	0.867	82.6
			10.5	6.923	1.217					
3	10/ 15	5	11.4	2.685	1.219	5	11.4	2.908	1.775	63.1
			11.4	3.131	2.330					
4	15/ 20	5	11.1	7.119	4.163	5	10.8	4.690	2.768	62.7
			10.4	2.260	1.373					
5	20/ 30	10	10.3	2.254	2.068	10	9.9	1.940	1.698	53.6
			9.4	1.626	1.327					
6	30/ 35	5	10.7	1.114	1.253	5	9.6	0.896	0.891	51.6
			8.4	0.677	0.529					
7	35/ 40	5	8.4	0.361	0.810	5	8.2	0.376	0.676	36.4
			7.9	0.391	0.542					
8	40/ 45	5	7.8	0.397	0.526	5	7.7	0.454	0.454	50.1
			7.6	0.510	0.382					
9	45/ 50	5	7.6	0.377	0.360	5	7.0	0.425	0.368	53.4
			6.4	0.472	0.376					
10	50/ 55	5	6.4	0.339	0.379	5	6.5	0.322	0.356	47.5
			6.6	0.304	0.332					
11	55/ 60	5	6.7	0.588	0.440	5	6.6	1.024	0.489	65.1
			6.5	1.459	0.538					
12	60/ 65	5	6.9	2.144	0.796	5	6.9	3.046	0.798	78.0
			6.8	3.947	0.800					
13	65/ 70	5	6.1	4.851	0.342	5	6.2	7.515	1.272	83.9
			6.3	10.179	1.202					
14	70/ 75	5	6.2	6.452	1.453	5	6.5	11.831	1.469	86.8
			6.7	17.210	1.485					
15	75/ 79	4	11.8	1.578	0.578	4	12.2	2.571	0.486	81.6
			12.5	3.563	0.393					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						79.0	2.255	0.817	73.4	

Stn. I Date 7.9 Core no. 1/2

Part no.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	13.4	0.771	0.158	5	13.4	1.624	0.371	82.0
			13.4	2.476	0.584					
2	5/ 10	5	14.4	8.201	2.433	5	14.4	4.985	1.444	78.3
			13.7	1.769	0.454					
3	10/ 15	5	11.3	7.635	2.434	5	10.8	4.675	1.500	75.5
			10.3	1.715	0.565					
4	15/ 20	5	11.7	5.641	2.373	5	11.7	4.648	1.831	72.2
			11.7	3.654	1.289					
5	20/ 30	10	9.3	1.767	0.990	10	9.2	1.426	0.837	62.7
			9.1	1.084	0.683					
6	30/ 35	5	7.6	0.651	1.006	5	8.5	0.530	0.725	43.6
			9.4	0.408	0.444					
7	35/ 45	10	6.2	0.313	0.321	10	7.4	0.310	0.301	50.7
			8.5	0.306	0.281					
8	45/ 50	5	5.2	0.282	0.424	5	6.5	0.336	0.363	48.1
			7.7	0.389	0.302					
9	50/ 55	5	5.3	0.340	0.584	5	5.7	0.332	0.460	42.9
			6.1	0.324	0.336					
10	55/ 60	5	5.5	0.772	1.174	5	5.7	0.827	0.830	52.1
			5.9	0.882	0.486					
11	60/ 65	5	6.2	1.421	1.213	5	6.3	1.618	0.899	64.8
			6.3	1.815	0.584					
12	65/ 70	5	8.3	4.475	1.796	5	7.4	4.366	1.060	82.2
			6.4	4.256	0.323					
13	70/ 75	5	8.3	11.981	2.527	5	7.3	15.024	1.264	91.3
			6.2	18.067	0.000					
14	75/ 80	5	10.1	7.427	1.438	5	8.0	7.835	0.719	91.9
			5.8	8.243	0.000					
15	80/ 85	5	12.6	5.948	0.762	5	11.2	7.611	0.386	94.3
			9.7	9.274	0.010					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						85.0	2.894	0.706	80.4	

Stn. I Date 7.21 Core no. 1/2

Part no.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	13.7	0.501	0.138					
			11.5	2.137	0.339	5	12.6	1.319	0.239	82.4
2	5/ 10	5	11.0	9.141	2.715					
			10.8	0.994	0.358	5	10.9	5.068	1.537	75.3
3	10/ 15	5	10.8	9.615	4.983					
			10.3	13.167	4.358	5	10.6	11.391	4.671	70.5
4	15/ 20	5	10.4	3.573	2.085					
			10.2	2.943	1.367	5	10.3	3.258	1.726	65.7
5	20/ 30	10	8.5	1.295	1.200					
			8.8	1.027	0.807	10	8.7	1.161	1.004	54.0
6	30/ 40	10	6.7	0.540	0.615					
			7.5	0.346	0.549	10	7.1	0.443	0.582	42.7
7	40/ 50	10	5.8	0.458	0.487					
			6.5	0.330	0.308	10	6.2	0.394	0.398	50.1
8	50/ 55	5	5.9	0.328	0.635					
			6.8	0.237	0.318	5	6.4	0.283	0.477	38.4
9	55/ 60	5	5.7	1.538	1.229					
			6.2	0.893	0.490	5	6.0	1.216	0.860	60.1
10	60/ 65	5	5.6	1.272	1.519					
			6.6	0.811	0.457	5	6.1	1.042	0.988	54.8
11	65/ 70	5	6.2	1.113	1.378					
			6.9	0.571	0.502	5	6.6	0.842	0.940	48.9
12	70/ 75	5	6.0	2.417	1.583					
			6.2	1.991	0.648	5	6.1	2.204	1.116	67.9
13	75/ 80	5	7.0	11.763	3.662					
			6.0	7.361	0.938	5	6.5	9.562	2.300	82.5
14	80/ 85	5	6.4	7.276	2.365					
			6.0	5.843	0.407	5	6.2	6.560	1.386	84.5
15	85/ 90	5	10.8	7.742	1.875					
			9.4	4.834	0.306	5	10.1	6.288	1.091	87.3
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						90.0	2.651	1.065	71.3	

Stn. I Date 8.1 Core no. 1/2

Part no.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	11.3	0.358	0.135					
			10.7	0.284	0.148	5	11.0	0.321	0.142	69.2
2	5/ 10	5	9.8	0.996	0.422					
			10.9	1.437	0.630	5	10.4	1.217	0.526	69.9
3	10/ 15	5	8.9	2.091	1.007					
			9.9	2.919	1.694	5	9.4	2.505	1.351	65.4
4	15/ 20	5	8.8	1.997	1.165					
			10.3	0.106	0.332	5	9.6	1.052	0.749	43.7
5	20/ 30	10	7.7	0.724	0.710					
			9.2	1.129	1.189	10	8.5	0.927	0.950	49.6
6	30/ 40	10	7.3	0.270	0.516					
			8.5	0.350	0.663	10	7.9	0.310	0.590	34.5
7	40/ 50	10	6.7	0.168	0.210					
			6.2	0.138	0.225	10	6.5	0.153	0.218	41.2
8	50/ 60	10	7.3	0.138	0.155					
			5.5	0.206	0.259	10	6.4	0.172	0.207	45.7
9	60/ 65	5	8.8	0.352	0.308					
			6.3	0.522	0.493	5	7.6	0.437	0.401	52.4
10	65/ 70	5	8.5	0.239	0.297					
			5.7	0.352	0.366	5	7.1	0.296	0.332	46.8
11	70/ 75	5	8.8	0.262	0.427					
			5.6	0.298	0.522	5	7.2	0.280	0.475	37.2
12	75/ 80	5	7.5	0.575	0.811					
			5.4	0.493	0.700	5	6.5	0.534	0.756	41.4
13	80/ 85	5	8.1	2.178	1.057					
			6.1	2.163	1.101	5	7.1	2.171	1.079	66.8
14	85/ 90	5	5.7	7.644	2.233					
			5.4	10.999	2.890	5	5.6	9.322	2.562	78.3
15	90/ 95	5	10.5	6.366	1.405					
			10.7	8.648	1.638	5	10.6	7.507	1.522	83.0
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)		Phaeop.	P Ratio (%)
						95.0	1.438	0.691	67.5	

Stn. I Date 8.16 Core no. 1/2

Part no.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	10.9	0.213	0.040	5	10.6	0.177	0.059	74.3
			10.3	0.141	0.078					
2	5/ 10	5	13.4	0.498	0.335	5	10.9	0.357	0.242	59.6
			8.3	0.216	0.148					
3	10/ 15	5	11.2	8.274	3.165	5	10.1	5.871	2.336	71.0
			8.9	3.467	1.507					
4	15/ 20	5	9.9	5.477	2.057	5	9.7	6.980	2.776	71.8
			9.5	8.483	3.495					
5	20/ 25	5	8.8	1.934	1.044	5	8.8	3.103	1.468	67.1
			8.8	4.271	1.891					
6	25/ 30	5	7.6	0.994	0.881	5	7.4	0.859	0.709	55.2
			7.2	0.724	0.537					
7	30/ 40	10	6.9	0.450	0.561	10	7.4	0.622	0.637	48.6
			7.9	0.794	0.712					
8	40/ 50	10	6.7	0.490	0.760	10	6.9	0.399	0.546	43.6
			7.1	0.307	0.332					
9	50/ 60	10	6.2	0.704	1.139	10	6.9	0.540	0.852	39.0
			7.6	0.375	0.565					
10	60/ 70	10	6.7	0.901	2.336	10	7.0	0.961	1.720	37.9
			7.2	1.020	1.104					
11	70/ 75	5	6.8	0.557	2.821	5	7.3	0.562	2.107	22.7
			7.8	0.566	1.393					
12	75/ 80	5	6.1	0.529	2.186	5	6.8	0.587	1.819	25.1
			7.4	0.645	1.451					
13	80/ 85	5	6.5	0.557	1.978	5	6.6	0.868	1.758	32.7
			6.7	1.179	1.537					
14	85/ 90	5	6.9	0.274	0.924	5	7.0	0.501	0.911	33.8
			7.1	0.727	0.898					
15	90/ 95	5	8.3	0.416	0.951	5	8.2	0.688	0.850	43.3
			8.0	0.960	0.749					
16	95/100	5	7.8	2.618	1.902	5	7.7	3.277	1.367	70.2
			7.6	3.936	0.831					
17	100/105	5	9.5	10.058	3.276	5	8.8	14.163	2.434	83.7
			8.1	18.267	1.591					
18	105/108	3	16.1	10.525	1.175	3	14.5	13.975	1.066	92.4
			12.9	17.424	0.956					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						108.0	2.571	1.349	65.6	

Stn. I Date 8.28 Core no. 1/3

Part no.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	10.1	0.284	0.530	5	10.9	0.205	0.316	45.1
			11.6	0.125	0.101					
2	5/ 10	5	11.7	0.245	0.310	5	11.0	0.294	0.263	52.7
			10.2	0.342	0.216					
3	10/ 15	5	11.3	0.457	0.385	5	12.0	2.705	1.260	62.1
			12.6	4.952	2.134					
4	15/ 20	5	11.3	1.197	0.420	5	10.8	5.778	1.805	75.2
			10.3	10.359	3.189					
5	20/ 25	5	11.4	0.312	0.239	5	10.9	0.896	0.418	63.9
			10.4	1.480	0.597					
6	25/ 30	5	10.8	0.620	0.515	5	10.1	0.669	0.502	57.1
			9.4	0.718	0.488					
7	30/ 40	10	10.4	0.162	0.328	10	9.2	0.186	0.295	38.8
			7.9	0.209	0.261					
8	40/ 50	10	10.4	0.179	0.271	10	8.9	0.188	0.281	40.0
			7.3	0.196	0.291					
9	50/ 60	10	8.6	0.239	0.397	10	8.0	0.244	0.578	31.1
			7.4	0.248	0.758					
10	60/ 70	10	10.3	0.254	0.440	10	9.2	0.309	0.651	33.1
			8.1	0.363	0.861					
11	70/ 80	10	8.7	0.250	0.683	10	8.4	0.316	0.741	29.6
			8.1	0.382	0.799					
12	80/ 90	10	8.4	0.430	0.729	10	7.8	0.575	0.776	41.9
			7.1	0.720	0.823					
13	90/ 95	5	9.5	0.453	0.891	5	8.7	0.520	0.770	40.6
			7.9	0.587	0.649					
14	95/100	5	7.8	0.546	0.988	5	8.4	0.659	0.722	49.2
			8.9	0.771	0.456					
15	100/105	5	7.3	1.311	1.469	5	7.6	1.205	1.015	56.7
			7.8	1.098	0.560					
16	105/110	5	8.5	5.501	2.043	5	8.1	6.289	1.196	84.1
			7.6	7.076	0.348					
17	110/112	2	16.0	84.684	18.906	2	15.2	92.406	10.114	90.2
			14.4	100.127	1.322					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						112.0	2.991	0.948	75.9	

Stn. I Date 9.3 Core no. 1/3

Part no.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	9.2	0.029	0.011	5	8.7	0.106	0.181	53.3
			8.1	0.182	0.351					
2	5/ 10	5	8.8	0.414	0.221	5	9.1	0.606	0.339	64.4
			9.3	0.798	0.456					
3	10/ 15	5	8.7	0.463	0.354	5	8.9	0.834	0.465	62.2
			9.0	1.204	0.576					
4	15/ 20	5	9.2	1.301	0.375	5	9.0	1.062	0.343	75.1
			8.7	0.823	0.310					
5	20/ 25	5	8.8	0.313	0.197	5	8.2	0.440	0.196	67.9
			7.6	0.566	0.195					
6	25/ 30	5	7.9	0.472	0.230	5	7.7	0.536	0.272	66.5
			7.5	0.599	0.313					
7	30/ 40	10	7.1	0.188	0.161	10	7.1	0.178	0.162	52.4
			7.1	0.168	0.162					
8	40/ 50	10	6.3	0.111	0.161	10	6.2	0.113	0.157	41.8
			6.1	0.114	0.153					
9	50/ 60	10	5.0	0.121	0.154	10	5.2	0.189	0.231	44.7
			5.4	0.257	0.308					
10	60/ 70	10	7.0	0.113	0.209	10	6.9	0.194	0.315	37.3
			6.7	0.275	0.420					
11	70/ 80	10	5.6	0.110	0.232	10	6.5	0.217	0.332	37.5
			7.3	0.323	0.432					
12	80/ 90	10	5.7	0.144	0.292	10	5.9	0.338	0.399	42.1
			6.1	0.531	0.506					
13	90/ 95	5	5.1	0.208	0.353	5	5.4	0.295	0.311	47.8
			5.7	0.381	0.269					
14	95/100	5	4.3	0.399	0.548	5	4.5	0.658	0.546	52.4
			4.7	0.916	0.544					
15	100/105	5	4.6	0.471	0.585	5	4.7	0.720	0.646	51.2
			4.8	0.969	0.706					
16	105/110	5	4.9	1.480	0.302	5	5.2	1.837	0.526	78.8
			5.5	2.194	0.749					
17	110/113	3	10.1	56.312	1.486	3	10.2	82.464	4.946	95.1
			10.2	108.615	8.406					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						113.0	2.951	0.499	85.5	

Stn. I Date 9.12 Core no. 3/1

Part no.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			PRatio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	9.6	0.084	0.024					
			10.2	0.136	0.095	5	9.9	0.110	0.060	68.3
2	5/ 10	5	8.4	0.036	0.090					
			9.1	0.088	0.045	5	8.8	0.062	0.068	47.4
3	10/ 15	5	9.1	0.085	0.115					
			9.2	0.241	0.248	5	9.2	0.163	0.182	45.9
4	15/ 20	5	9.5	0.558	0.162					
			10.6	0.260	0.134	5	10.1	0.409	0.148	71.7
5	20/ 25	5	9.2	4.215	1.887					
			8.8	0.149	0.137	5	9.0	2.182	1.012	60.6
6	25/ 30	5	8.8	1.954	0.679					
			7.7	0.325	0.169	5	8.3	1.140	0.424	70.0
7	30/ 40	10	8.3	0.498	0.264					
			7.6	0.108	0.137	10	8.0	0.303	0.201	54.7
8	40/ 50	10	6.0	0.127	0.113					
			6.8	0.096	0.061	10	6.4	0.112	0.087	57.0
9	50/ 60	10	5.7	0.094	0.269					
			6.0	0.087	0.073	10	5.9	0.091	0.171	40.1
10	60/ 70	10	6.5	0.134	0.212					
			6.5	0.079	0.063	10	6.5	0.107	0.138	47.2
11	70/ 80	10	6.0	0.112	0.141					
			7.0	0.758	0.165	10	6.5	0.435	0.153	63.2
12	80/ 90	10	6.7	0.314	0.142					
			5.6	0.281	0.140	10	6.2	0.298	0.141	67.8
13	90/100	10	6.7	0.447	0.230					
			5.8	0.410	0.267	10	6.3	0.429	0.249	63.3
14	100/105	5	6.1	0.553	0.331					
			6.0	0.389	0.314	5	6.1	0.471	0.323	58.9
15	105/110	5	6.5	0.534	0.423					
			6.1	0.478	0.543	5	6.3	0.506	0.483	51.3
16	110/115	5	9.9	70.149	2.900					
			10.9	179.691	27.606	5	10.4	124.920	15.253	91.4
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	PRatio (%)	
						115.0	6.675	1.011	86.8	

Stn. I Date 9.22 Core no. 1/4

Part no.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			PRatio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	11.9	0.137	0.054	5	10.2	0.119	0.070	62.7
			8.4	0.100	0.086					
2	5/ 10	5	12.3	0.115	0.072	5	10.8	0.110	0.122	49.7
			9.2	0.104	0.171					
3	10/ 15	5	12.3	1.176	0.419	5	10.4	0.711	0.353	59.9
			8.5	0.245	0.287					
4	15/ 20	5	8.9	0.762	0.467	5	9.3	0.433	0.293	54.3
			9.6	0.103	0.118					
5	20/ 25	5	9.7	0.504	0.220	5	9.4	0.312	0.178	58.1
			9.0	0.119	0.136					
6	25/ 30	5	7.6	0.198	0.114	5	7.5	0.226	0.124	64.5
			7.4	0.254	0.133					
7	30/ 40	10	6.7	0.300	0.116	10	7.0	0.198	0.097	63.8
			7.2	0.096	0.077					
8	40/ 50	10	6.1	0.073	0.068	10	6.0	0.068	0.071	48.8
			5.9	0.062	0.073					
9	50/ 60	10	5.3	0.090	0.087	10	5.4	0.147	0.094	58.9
			5.5	0.203	0.100					
10	60/ 70	10	6.4	0.163	0.096	10	6.2	0.213	0.101	67.2
			6.0	0.263	0.105					
11	70/ 80	10	5.7	0.291	0.197	10	6.0	0.361	0.155	69.4
			6.2	0.431	0.113					
12	80/ 90	10	5.1	1.187	0.304	10	5.2	1.318	0.250	83.8
			5.2	1.449	0.196					
13	90/100	10	5.3	1.508	0.697	10	5.3	1.311	0.457	76.1
			5.2	1.114	0.216					
14	100/105	5	4.6	0.795	2.067	5	5.1	0.894	1.166	53.4
			5.5	0.993	0.264					
15	105/110	5	4.6	3.169	0.480	5	5.2	1.996	0.384	80.5
			5.7	0.823	0.288					
16	110/116	6	9.3	44.983	10.063	6	9.7	84.771	13.459	84.9
			10.1	124.559	16.855					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	PRatio (%)	
						116.0	5.688	1.064	84.2	

Stn. I Date 9.27 Core no. 1/3

Part no.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	8.7	0.094	0.047					
2	5/ 10	5	8.9	0.254	0.158	5	8.8	0.174	0.103	64.2
			9.4	0.154	0.118					
3	10/ 15	5	10.2	0.246	0.182	5	9.8	0.200	0.150	57.0
			8.5	0.066	0.144					
4	15/ 20	5	9.7	0.338	0.351	5	9.1	0.202	0.248	40.2
			8.6	0.040	0.085					
5	20/ 25	5	10.1	0.095	0.198	5	9.4	0.068	0.142	32.2
			8.6	0.035	0.089					
6	25/ 30	5	8.2	3.957	2.064	5	8.4	1.996	1.077	47.0
			9.3	0.064	0.047					
7	30/ 40	10	8.5	0.300	0.135	5	8.9	0.182	0.091	63.3
			8.0	0.020	0.030					
8	40/ 50	10	7.6	0.044	0.060	10	7.8	0.032	0.045	41.2
			6.7	0.015	0.046					
9	50/ 60	10	6.7	0.073	0.066	10	6.7	0.044	0.056	38.6
			6.2	0.097	0.068					
10	60/ 70	10	5.8	0.165	0.077	10	6.0	0.131	0.073	63.5
			8.0	0.425	0.172					
11	70/ 80	10	6.9	0.405	0.080	10	7.5	0.415	0.126	77.3
			7.4	0.805	0.161					
12	80/ 90	10	6.4	0.435	0.061	10	6.9	0.620	0.111	85.5
			6.7	2.476	0.396					
13	90/100	10	6.1	2.565	0.000	10	6.4	2.521	0.198	93.1
			6.2	2.182	0.441					
14	100/105	5	5.3	2.467	0.037	10	5.8	2.325	0.239	90.9
			6.0	1.232	0.345					
15	105/110	5	4.7	2.175	0.071	5	5.4	1.704	0.208	87.5
			6.6	2.389	0.522					
16	110/116	6	4.3	1.143	0.211	5	5.5	0.766	0.367	83.2
			9.1	70.787	14.061					
		6	7.1	83.968	5.718	6	8.1	77.378	9.890	88.5
T O T A L						Thickness (cm)		Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)
						116.0		5.566	0.797	87.5

Stn. I Date 10.4 Core no. 1/3

Part no.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	10.1	0.116	0.011	5	8.7	0.096	0.033	74.5
			7.3	0.075	0.055					
2	5/ 10	5	7.6	0.079	0.057	5	8.6	0.077	0.190	38.4
			9.5	0.074	0.322					
3	10/ 15	5	7.7	0.442	0.256	5	8.7	0.246	0.176	48.8
			9.7	0.050	0.096					
4	15/ 20	5	9.0	0.079	0.093	5	9.3	0.073	0.065	55.3
			9.6	0.066	0.036					
5	20/ 25	5	7.8	0.038	0.085	5	8.0	0.089	0.054	58.3
			8.2	0.139	0.023					
6	25/ 30	5	6.8	0.075	0.058	5	7.2	0.230	0.059	71.5
			7.6	0.385	0.060					
7	30/ 40	10	6.4	0.075	0.024	10	6.5	0.130	0.019	84.6
			6.6	0.185	0.013					
8	40/ 50	10	5.8	0.106	0.024	10	5.6	0.102	0.024	80.9
			5.4	0.098	0.024					
9	50/ 60	10	5.4	0.254	0.030	10	5.7	0.572	0.040	92.4
			5.9	0.890	0.049					
10	60/ 70	10	5.6	1.211	0.000	10	5.9	1.406	0.000	100.0
			6.1	1.601	0.000					
11	70/ 80	10	5.8	1.215	0.000	10	6.2	1.729	0.049	97.9
			6.6	2.243	0.098					
12	80/ 90	10	5.9	2.919	0.000	10	5.7	2.020	0.000	100.0
			5.5	2.321	0.000					
13	90/100	10	5.1	1.574	0.000	10	5.5	1.709	0.009	99.5
			5.9	1.844	0.018					
14	100/105	5	4.6	1.247	0.010	5	4.9	2.510	0.005	99.6
			5.1	3.773	0.000					
15	105/110	5	5.1	0.828	0.075	5	5.8	1.128	0.114	91.0
			6.4	1.427	0.152					
16	110/115	5	5.9	2.275	0.039	5	6.3	2.129	0.163	92.9
			6.6	1.983	0.286					
17	115/118	3	10.3	215.107	0.000	3	11.2	217.302	0.000	100.0
			12.0	219.497	0.000					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						118.0	7.675	0.057	99.3	

Stn. I Date 10.13 Core no. 1/3

Part no.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 10	10	9.3	0.076	0.034					
2	10/ 15	5	7.9	0.118	0.052	10	8.6	0.097	0.043	69.3
			8.4	0.026	0.025					
3	15/ 20	5	8.1	0.096	0.041	5	8.3	0.061	0.033	60.5
			8.4	0.618	0.613					
4	20/ 30	10	8.8	0.070	0.094	5	8.6	0.344	0.354	46.4
			7.8	0.352	0.153					
5	30/ 40	10	7.1	0.042	0.019	10	7.5	0.197	0.086	69.3
			6.5	0.055	0.032					
6	40/ 50	10	6.0	0.036	0.019	10	6.3	0.046	0.026	64.3
			5.4	0.045	0.028					
7	50/ 60	10	5.6	0.691	0.029	10	5.5	0.368	0.029	78.8
			5.0	0.085	0.045					
8	60/ 70	10	4.9	0.155	0.020	10	5.0	0.120	0.033	77.0
			5.2	0.787	0.064					
9	70/ 80	10	5.6	2.697	0.025	10	5.4	1.742	0.045	95.8
			5.7	2.643	0.273					
10	80/ 90	10	5.2	1.953	0.126	10	5.5	2.298	0.200	92.3
			5.4	1.126	0.242					
11	90/100	10	4.8	1.077	0.037	10	5.1	1.102	0.140	89.5
			6.0	1.064	0.140					
12	100/105	5	5.9	1.362	0.000	10	6.0	1.213	0.070	94.2
			4.5	1.061	0.175					
13	105/110	5	6.1	2.834	0.000	5	5.3	1.948	0.088	92.9
			6.3	1.379	0.175					
14	110/115	5	4.9	1.345	0.015	5	5.6	1.362	0.095	93.8
			6.3	4.530	0.260					
15	115/119	4	6.2	1.167	0.138	5	6.3	2.849	0.199	92.0
			9.0	443.906	27.205					
			8.6	159.953	8.012	4	8.8	301.930	17.609	94.7
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)		Phaeop.	P Ratio (%)
						119.0	13.124		0.810	94.2

Stn. I Date 10.22 Core no. 1/3

Part no.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 10	10	8.5	0.159	0.029					
			9.3	0.145	0.023	10	8.9	0.152	0.026	85.4
2	10/ 15	5	8.8	0.067	0.052					
			8.5	0.084	0.031	5	8.7	0.076	0.042	64.7
3	15/ 20	5	9.5	0.087	0.066					
			9.1	0.104	0.074	5	9.3	0.096	0.070	57.6
4	20/ 25	5	9.6	0.223	0.048					
			9.9	0.265	0.046	5	9.8	0.244	0.047	83.7
5	25/ 30	5	7.5	1.080	0.065					
			11.5	0.928	0.213	5	9.5	1.004	0.139	87.8
6	30/ 40	10	7.0	0.329	0.025					
			9.0	0.555	0.046	10	8.0	0.442	0.036	92.6
7	40/ 50	10	5.2	0.277	0.018					
			6.7	0.374	0.076	10	6.0	0.326	0.047	88.5
8	50/ 60	10	5.1	0.190	0.037					
			4.9	0.553	0.112	10	5.0	0.372	0.075	83.4
9	60/ 70	10	5.0	0.233	0.051					
			5.6	1.744	0.190	10	5.3	0.989	0.121	86.1
10	70/ 80	10	5.3	0.309	0.090					
			5.6	3.540	0.047	10	5.5	1.925	0.069	88.1
11	80/ 90	10	4.7	1.023	0.048					
			5.3	2.562	0.036	10	5.0	1.793	0.042	97.1
12	90/100	10	4.8	1.578	0.051					
			4.9	2.371	0.034	10	4.9	1.975	0.043	97.7
13	100/110	10	4.2	0.880	0.020					
			5.2	7.052	0.000	10	4.7	3.966	0.010	98.9
14	110/115	5	3.8	1.365	0.625					
			5.0	1.585	0.177	5	4.4	1.475	0.401	79.3
15	115/120	5	7.3	312.907	59.742					
			7.3	314.442	523.121	5	7.6	313.675	291.431	60.8
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						120.0	17.022	14.653	53.7	

Stn. I Date 10.28 Core no. 1/3

Part no.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 10	10	12.3	0.319	0.096					
			9.7	0.826	0.061	10	11.0	0.573	0.079	85.0
2	10/ 15	5	11.2	1.789	0.324					
			11.0	0.211	0.181	5	11.1	1.000	0.253	69.2
3	15/ 20	5	9.7	0.552	0.193					
			11.5	0.539	0.413	5	10.6	0.546	0.303	65.4
4	20/ 25	5	9.8	0.956	0.130					
			11.2	0.857	0.648	5	10.5	0.907	0.389	72.5
5	25/ 30	5	7.7	0.804	0.116					
			10.2	1.435	0.042	5	9.0	1.120	0.079	92.3
6	30/ 40	10	7.1	0.672	0.087					
			7.9	2.850	0.000	10	7.5	1.761	0.044	94.3
7	40/ 50	10	6.2	0.434	0.121					
			7.1	1.852	0.149	10	6.7	1.143	0.135	85.4
8	50/ 60	10	5.9	0.343	0.166					
			6.8	4.055	0.524	10	6.4	2.199	0.345	78.0
9	60/ 70	10	6.0	1.019	0.127					
			5.9	3.444	0.351	10	6.0	2.232	0.239	89.8
10	70/ 80	10	6.0	6.471	0.626					
			6.1	6.294	0.422	10	6.1	6.383	0.524	92.4
11	80/ 90	10	4.6	2.614	0.406					
			6.2	6.694	0.418	10	5.4	4.654	0.412	90.3
12	90/100	10	4.7	2.977	0.280					
			5.9	3.104	0.279	10	5.3	3.041	0.280	91.6
13	100/110	10	4.7	3.727	0.358					
			4.5	4.174	1.026	10	4.6	3.951	0.692	85.8
14	110/115	5	6.1	7.826	1.390					
			6.1	5.035	1.134	5	6.1	6.431	1.262	83.3
15	115/117	2	11.8	2096.260	497.352					
			12.7	2107.690	292.310	2	12.3	2101.980	394.831	84.3
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						117.0	45.133	8.286	84.5	

Stn. I Date 11.8 Core no. 1/3

Part no.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 10	10	8.3	0.789	0.057					
			10.2	0.616	0.030	10	9.3	0.703	0.044	94.3
2	10/ 15	5	8.4	1.466	0.386					
			10.8	3.875	1.983	5	9.6	2.671	1.185	72.7
3	15/ 20	5	9.4	0.129	0.051					
			11.1	0.333	0.110	5	10.3	0.231	0.081	73.4
4	20/ 25	5	7.5	0.131	0.037					
			10.1	0.200	0.060	5	8.8	0.166	0.049	77.4
5	25/ 30	5	6.6	0.172	0.041					
			8.7	0.191	0.073	5	7.7	0.182	0.057	76.5
6	30/ 40	10	6.6	0.251	0.065					
			7.7	0.194	0.079	10	7.2	0.223	0.072	75.2
7	40/ 50	10	5.2	0.268	0.092					
			6.0	0.198	0.043	10	5.6	0.233	0.068	78.3
8	50/ 60	10	5.2	0.182	0.079					
			5.7	1.053	0.165	10	5.5	0.618	0.122	78.1
9	60/ 70	10	5.6	0.505	0.119					
			6.1	1.145	0.148	10	5.9	0.825	0.134	84.7
10	70/ 80	10	5.2	0.652	0.049					
			6.7	1.681	0.154	10	6.0	1.167	0.102	92.3
11	80/ 90	10	4.4	1.192	0.060					
			6.3	3.126	0.081	10	5.4	2.159	0.071	96.3
12	90/100	10	5.0	7.317	0.000					
			6.8	6.523	0.000	10	5.9	6.920	0.000	100.0
13	100/110	10	4.4	10.569	1.026					
			5.3	5.332	0.495	10	4.9	7.951	0.761	91.3
14	110/115	5	7.1	486.745	87.614					
			8.6	940.569	231.306	5	7.9	713.657	159.460	82.5
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)		Phaeop.	P Ratio (%)
						115.0	37.925		8.179	82.3

Stn. I Date 11.18 Core no. 1/3

Part no.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	8.8	1.953	0.270	5	8.7	2.876	0.447	86.9
			8.5	3.798	0.623					
2	5/ 10	5	9.9	1.069	0.243	5	9.8	1.403	0.335	80.9
			9.6	0.736	0.426					
3	10/ 15	5	9.2	7.783	2.840	5	8.8	4.333	1.553	75.1
			8.3	0.883	0.265					
4	15/ 20	5	9.1	0.857	0.283	5	9.2	0.832	0.270	75.5
			9.3	0.807	0.257					
5	20/ 25	5	7.8	0.518	0.171	5	8.5	0.764	0.189	79.1
			9.2	1.009	0.206					
6	25/ 30	5	7.1	1.211	0.476	5	7.9	0.931	0.346	73.5
			8.7	0.650	0.215					
7	30/ 40	10	6.6	0.443	0.174	10	6.7	0.876	0.220	77.5
			6.7	1.309	0.266					
8	40/ 50	10	5.3	1.120	0.342	10	5.6	0.979	0.318	75.4
			5.8	0.838	0.293					
9	50/ 60	10	6.0	1.797	0.388	10	6.1	1.230	0.325	76.9
			6.2	0.662	0.262					
10	60/ 70	10	5.4	0.190	0.069	10	5.8	0.283	0.135	69.3
			6.2	0.375	0.200					
11	70/ 80	10	4.5	0.960	0.202	10	5.2	0.900	0.294	75.6
			5.8	0.840	0.385					
12	80/ 90	10	4.7	1.676	0.255	10	5.0	1.585	0.370	81.2
			5.3	1.493	0.484					
13	90/100	10	4.6	10.817	1.131	10	5.2	11.152	0.662	94.4
			5.7	11.487	0.192					
14	100/110	10	4.1	36.768	4.059	10	4.5	25.840	2.651	91.2
			4.8	14.911	1.243					
15	110/115	5	4.9	43.211	3.285	5	5.5	25.773	2.528	87.7
			6.0	8.334	1.771					
16	115/119	4	10.0	2954.950	378.382	4	10.4	2975.820	615.575	83.2
			10.7	2996.690	852.769					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)		Phaeop.	P Ratio (%)
						119.0	125.163		25.404	83.1

Stn. I Date 11.27 Core no. 1/3

Part no.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			PRatio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	6.5	0.724	0.285	5	7.0	0.877	0.235	78.3
			7.4	1.030	0.185					
2	5/ 10	5	6.7	0.874	0.234	5	7.7	0.839	0.257	76.5
			8.6	0.803	0.280					
3	10/ 15	5	7.3	3.582	1.231	5	7.8	2.628	0.847	76.4
			8.3	1.673	0.462					
4	15/ 20	5	7.5	0.641	0.174	5	8.3	0.592	0.209	73.8
			9.1	0.542	0.244					
5	20/ 30	10	7.4	0.288	0.131	10	8.0	0.461	0.116	77.5
			8.5	0.634	0.101					
6	30/ 40	10	6.3	0.212	0.111	10	7.3	0.492	0.118	75.8
			8.2	0.771	0.125					
7	40/ 50	10	5.1	0.525	0.162	10	5.3	0.719	0.169	80.2
			5.4	0.912	0.175					
8	50/ 60	10	4.2	0.428	0.110	10	4.4	1.068	0.172	83.8
			4.5	1.708	0.233					
9	60/ 70	10	4.6	1.278	0.205	10	4.3	1.481	0.196	88.1
			4.0	1.683	0.187					
10	70/ 80	10	4.7	2.905	0.323	10	4.4	3.646	0.333	91.4
			4.0	4.387	0.343					
11	80/ 90	10	4.1	7.862	0.202	10	3.8	5.843	0.108	98.6
			3.4	3.823	0.014					
12	90/100	10	4.8	6.331	0.379	10	4.4	5.871	0.204	96.9
			4.0	5.411	0.029					
13	100/105	5	2.8	10.686	0.047	5	2.7	6.679	0.492	86.8
			2.6	2.671	0.937					
14	105/110	5	2.9	82.827	5.333	5	2.7	61.508	3.126	95.9
			2.5	40.188	0.918					
15	110/115	5	4.6	20.823	0.000	5	4.7	31.073	0.000	100.0
			4.8	41.322	0.000					
16	115/119	4	5.7	967.740	40.744	4	6.4	870.498	69.228	92.4
			7.0	773.256	97.712					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	PRatio (%)	
						119.0	41.988	3.169	93.0	

Stn. I Date 12.4 Core no. 1/3

Part no.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	9.0	3.028	0.000	5	8.9	3.320	0.236	94.2
			8.8	3.612	0.472					
2	5/ 10	5	8.1	2.077	0.021	5	8.1	2.194	0.310	89.2
			8.1	2.310	0.598					
3	10/ 15	5	8.9	1.953	0.281	5	8.7	2.876	0.803	80.8
			8.5	3.798	1.325					
4	15/ 20	5	7.3	3.977	0.392	5	8.4	3.086	0.486	85.1
			9.4	2.194	0.580					
5	20/ 30	10	9.1	2.931	0.233	10	9.0	3.702	0.869	83.7
			8.8	4.472	1.505					
6	30/ 40	10	7.3	1.707	0.252	10	7.6	1.755	0.406	81.7
			7.9	1.802	0.559					
7	40/ 50	10	5.3	0.974	0.274	10	5.6	0.869	0.318	73.0
			5.8	0.763	0.361					
8	50/ 60	10	4.2	0.983	0.373	10	4.5	0.834	0.321	72.2
			4.8	0.685	0.268					
9	60/ 70	10	4.3	2.747	0.795	10	4.3	1.717	0.618	69.2
			4.2	0.686	0.440					
10	70/ 80	10	4.4	1.236	0.263	10	4.6	1.516	0.284	84.0
			4.8	1.795	0.304					
11	80/ 90	10	3.7	2.695	0.200	10	4.0	2.406	0.268	89.7
			4.3	2.116	0.336					
12	90/100	10	4.1	5.544	0.000	10	4.4	5.177	0.000	100.0
			4.7	4.810	0.000					
13	100/105	5	2.5	6.277	0.000	5	3.3	10.429	0.000	100.0
			4.0	14.581	0.000					
14	105/110	5	2.6	11.611	0.000	5	3.1	11.914	0.000	100.0
			3.6	12.217	0.000					
15	110/115	5	4.7	45.130	0.000	5	4.6	27.165	0.063	99.3
			4.4	9.200	0.126					
16	115/119	4	6.3	1205.780	20.172	4	6.2	1169.760	15.765	98.7
			6.0	1133.740	11.357					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						119.0	51.637	1.034	98.0	

Stn. I Date 12.23 Core no. 1/3

Part no.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	4.9	3.528	0.000	5	6.7	3.876	0.043	99.0
			8.5	4.223	0.086					
2	5/ 10	5	5.8	2.770	0.070	5	6.5	2.296	0.067	97.1
			7.2	1.821	0.064					
3	10/ 15	5	6.3	2.652	0.454	5	6.9	1.935	0.285	88.3
			7.4	1.217	0.116					
4	15/ 20	5	5.3	2.572	0.212	5	7.0	1.882	0.156	92.3
			8.7	1.192	0.100					
5	20/ 30	10	6.1	2.570	0.151	10	6.8	1.970	0.083	96.7
			7.5	1.369	0.015					
6	30/ 40	10	6.1	3.631	0.173	10	6.5	2.122	0.113	93.7
			6.8	0.612	0.053					
7	40/ 50	10	4.7	4.521	0.107	10	5.3	2.848	0.161	91.1
			5.8	1.174	0.214					
8	50/ 60	10	4.3	1.745	0.297	10	4.7	1.805	0.283	86.4
			5.0	1.865	0.269					
9	60/ 70	10	4.4	1.016	0.345	10	4.6	1.388	0.341	79.3
			4.7	1.759	0.336					
10	70/ 80	10	4.4	1.912	0.255	10	4.5	1.732	0.283	85.8
			4.6	1.551	0.310					
11	80/ 90	10	4.0	2.873	0.355	10	4.5	2.960	0.356	89.3
			4.9	3.047	0.357					
12	90/100	10	4.0	4.581	0.000	10	4.7	4.199	0.024	99.4
			5.4	3.816	0.047					
13	100/105	5	3.3	7.183	0.000	5	3.7	5.317	0.068	98.1
			4.1	3.450	0.135					
14	105/110	5	3.0	5.785	0.000	5	3.3	4.278	0.126	95.8
			3.6	2.770	0.251					
15	110/115	5	3.6	5.865	0.000	5	3.3	5.672	0.056	99.0
			3.0	5.479	0.111					
16	115/119	4	7.3	109.915	0.000	4	6.9	91.987	0.000	100.0
			6.5	74.059	0.000					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						119.0	6.844	0.204	97.1	

Stn. I Date 1.9 Core no. 1/3

Part no.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 10	10	0.9	0.676	0.049	10	0.6	0.654	0.103	86.7
			0.3	0.631	0.157					
2	10/ 20	10	1.7	0.788	0.064	10	1.0	1.524	0.136	92.0
			0.3	2.260	0.207					
3	20/ 30	10	3.3	2.013	0.391	10	3.0	2.570	0.210	91.4
			2.6	3.126	0.028					
4	30/ 40	10	3.5	1.267	0.237	10	3.6	1.651	0.135	91.3
			3.6	2.035	0.033					
5	40/ 50	10	3.9	1.291	0.160	10	3.9	1.329	0.127	91.3
			3.9	1.367	0.094					
6	50/ 60	10	4.1	1.165	0.158	10	3.7	1.035	0.140	88.1
			3.2	0.905	0.122					
7	60/ 70	10	3.6	3.304	0.921	10	3.4	3.131	0.549	86.3
			3.2	2.958	0.177					
8	70/ 80	10	3.3	3.436	1.232	10	3.0	2.210	0.652	83.4
			2.7	0.983	0.072					
9	80/ 90	10	3.5	3.387	0.412	10	3.3	2.770	0.336	89.2
			3.0	2.153	0.259					
10	90/100	10	3.4	2.130	0.080	10	3.2	1.958	0.040	98.2
			3.0	1.785	0.000					
11	100/110	10	2.5	3.094	0.030	10	2.5	2.191	0.030	98.4
			2.4	1.288	0.030					
12	110/115	5	2.2	2.928	0.108	5	1.8	2.547	0.069	97.5
			1.4	2.165	0.030					
13	115/118	3	2.9	96.310	0.000	3	2.0	58.238	1.074	95.2
			1.1	20.166	2.148					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						118.0	3.977	0.281	93.4	

Stn. I Date 1.18 Core no. 1/3

Part no.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 10	10	0.9	0.802	0.265	10	0.7	0.589	0.187	76.3
			0.4	0.376	0.109					
2	10/ 15	5	2.7	1.177	0.319	5	2.2	1.150	0.354	76.5
			1.7	1.122	0.388					
3	15/ 20	5	2.8	0.644	0.167	5	2.6	0.703	1.161	52.8
			2.3	0.762	2.154					
4	20/ 30	10	3.2	0.523	0.036	10	3.1	1.019	.034	95.8
			3.0	1.514	0.031					
5	30/ 40	10	4.3	0.517	0.522	10	4.0	0.952	0.261	74.9
			3.6	1.387	0.000					
6	40/ 50	10	3.4	0.274	0.475	10	3.7	0.629	0.294	63.1
			3.9	0.983	0.113					
7	50/ 60	10	3.8	0.458	0.116	10	3.8	0.561	0.117	82.4
			3.8	0.664	0.117					
8	60/ 70	10	3.6	0.640	0.105	10	3.8	0.747	0.095	88.5
			4.0	0.853	0.084					
9	70/ 80	10	5.2	0.861	0.117	10	4.6	2.002	0.190	90.2
			3.9	3.143	0.262					
10	80/ 90	10	4.5	1.105	0.108	10	4.3	3.526	0.054	95.5
			4.0	5.946	0.000					
11	90/100	10	3.8	2.750	0.000	10	3.9	6.645	0.550	95.3
			3.9	10.540	1.099					
12	100/110	10	3.6	7.189	0.000	10	3.4	9.941	1.196	92.1
			3.2	12.693	2.391					
13	110/115	5	3.5	4.802	0.000	5	3.2	6.513	0.011	99.9
			2.9	8.223	0.021					
14	115/120	5	3.5	46.567	0.000	5	3.8	38.840	0.000	100.0
			4.1	31.112	0.000					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						120.0	5.021	0.374	93.1	

Table 2. Pigment data of ice-melt water from a particular part of two ice cores collected at Stn. III. The average of the two values, the total thickness of an ice core and integrated standing crop for chlorophyll a and phaeopigments were calculated. PSal and PRatio indicate practical salinity scale and pigment ratio, respectively.

Stn. III Date 3.5 Core no. 1/4

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			PRatio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 20	20	0.0	0.057	0.049	20	1.0	0.106	0.042	67.6
			2.0	0.155	0.035					
2	20/ 40	20	0.0	0.107	0.043	20	1.5	0.196	0.040	80.1
			3.0	0.285	0.036					
3	40/ 60	20	1.0	0.677	0.240	20	1.0	0.511	0.169	75.9
			1.0	0.345	0.097					
4	60/ 80	20	3.0	0.973	0.090	20	2.5	0.894	0.045	95.8
			2.0	0.815	0.000					
5	80/100	20	3.0	0.908	0.186	20	3.0	1.201	0.181	86.2
			3.0	1.495	0.177					
6	100/120	20	1.0	1.338	0.522	20	1.5	1.483	0.576	72.0
			2.0	1.628	0.630					
7	120/140	20	1.0	0.320	0.125	20	1.5	0.449	0.154	73.9
			2.0	0.577	0.183					
8	140/160	20	3.0	0.173	0.106	20	3.0	0.149	0.101	59.3
			3.0	0.125	0.096					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	PRatio (%)	
						160.0	0.998	0.261	79.2	

Stn. III Date 3.16 Core no. 2/4

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			PRatio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 55	55	2.0	0.322	0.140	55	2.0	0.237	0.093	73.0
			2.0	0.151	0.047					
2	55/ 75	20	3.0	0.620	0.146	20	3.0	0.437	0.114	78.2
			3.0	0.253	0.082					
3	75/ 95	20	3.0	0.466	0.123	20	2.5	0.370	0.156	69.2
			2.0	0.274	0.188					
4	95/105	10	1.0	0.537	0.014	10	1.0	0.277	0.025	64.9
			1.0	0.017	0.036					
5	105/115	10	2.0	1.388	0.146	10	1.5	0.717	0.085	78.5
			1.0	0.047	0.024					
6	115/125	10	2.0	1.332	0.220	10	1.5	0.679	0.113	82.3
			1.0	0.026	0.007					
7	125/145	20	3.0	0.305	0.131	20	2.5	0.187	0.077	71.9
			2.0	0.068	0.024					
8	145/158	13	1.0	0.282	0.160	13	1.5	0.572	0.259	67.3
			2.0	0.861	0.358					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	PRatio (%)	
						158.0	0.570	0.177	76.3	

Stn. III Date 3.24 Core no. 1/2

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			PRatio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 40	40	3.0	0.457	0.180					
			1.0	0.487	0.259	40	2.0	0.472	0.220	68.5
2	40/ 60	20	3.0	1.614	0.620					
			3.0	1.029	0.473	20	3.0	1.322	0.546	70.4
3	60/ 80	20	4.0	2.572	0.496					
			3.0	0.932	0.366	20	3.5	1.752	0.431	77.8
4	80/ 90	10	3.0	2.062	0.396					
			2.0	1.054	0.260	10	2.5	1.558	0.328	82.0
5	90/100	10	4.0	1.928	0.493					
			2.0	1.323	0.343	10	3.0	1.625	0.418	79.5
6	100/110	10	3.0	5.408	1.470					
			2.0	2.543	0.892	10	2.5	3.976	1.181	76.3
7	110/130	20	2.0	8.153	2.092					
			3.0	1.526	0.511	20	2.5	4.840	1.301	77.2
8	130/148	18	1.0	1.547	0.981					
			2.0	4.084	1.341	18	1.5	2.816	1.161	68.2
T O T A L						Thickness (cm)		Chl.a (mg m ⁻²)	Phaeop.	PRatio (%)
						148.0		2.994	0.945	76.0

Stn. III Date 4.4 Core no. 2/3

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			PRatio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 10	10	0.2	0.246	0.149					
			0.1	0.078	0.119	10	0.2	0.162	0.134	50.9
2	10/ 20	10	0.2	0.323	0.139					
			0.2	0.202	0.197	10	0.2	0.263	0.168	60.3
3	20/ 30	10	0.5	0.738	0.295					
			0.3	0.325	0.223	10	0.4	0.531	0.259	65.4
4	30/ 40	10	0.7	0.672	0.876					
			0.7	0.379	0.665	10	0.7	0.526	0.771	39.9
5	40/ 50	10	2.2	0.923	0.616					
			1.8	0.814	0.554	10	2.0	0.868	0.585	59.7
6	50/ 60	10	2.8	1.222	0.440					
			2.6	0.928	0.384	10	2.7	1.075	0.412	72.1
7	60/ 70	10	2.8	1.831	0.431					
			2.9	0.908	0.412	10	2.9	1.370	0.421	74.9
8	70/ 80	10	4.1	1.908	0.619					
			3.5	1.140	0.352	10	3.8	1.524	0.486	76.0
9	80/ 90	10	6.8	1.517	0.650					
			5.3	1.319	0.519	10	6.1	1.418	0.585	70.9
10	90/100	10	4.7	1.223	0.391					
			3.2	1.322	0.484	10	4.0	1.273	0.437	74.5
11	100/110	10	2.1	2.432	1.440					
			2.2	2.741	0.883	10	2.2	2.587	1.161	69.2
12	110/120	10	1.8	3.776	1.490					
			2.2	3.081	0.867	10	2.0	3.429	1.179	74.9
13	120/130	10	2.2	5.233	0.724					
			1.6	4.063	1.556	10	1.9	4.648	1.140	80.1
14	130/140	10	2.2	5.381	1.554					
			2.1	4.766	1.967	10	2.2	5.074	1.760	74.2
15	140/149	9	1.5	15.466	3.114					
			2.0	12.216	2.923	9	1.8	13.841	3.019	82.0
T O T A L						Thickness (cm)		Chl.a (mg m ⁻²)	Phaeop.	PRatio (%)
						149.0		3.720	1.222	75.3

Stn. III Date 4.12 Core no. 3/4

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 10	10	1.5 0.0	0.227 0.025	0.184 0.090	10	0.8	0.126	0.137	38.5
2	10/ 20	10	0.3 0.2	0.206 0.091	0.083 0.105	10	0.3	0.148	0.094	58.7
3	20/ 30	10	0.7 0.6	0.276 0.298	0.089 0.187	10	0.6	0.287	0.138	68.6
4	30/ 40	10	0.6 0.9	0.592 0.469	0.509 0.455	10	0.7	0.531	0.482	52.3
5	40/ 50	10	2.2 2.1	0.682 0.366	0.232 0.203	10	2.2	0.524	0.217	69.5
6	50/ 60	10	2.9 3.4	0.543 0.753	0.301 0.296	10	3.2	0.648	0.298	68.1
7	60/ 70	10	2.6 2.9	0.683 1.008	0.174 0.231	10	2.8	0.845	0.203	80.5
8	70/ 80	10	3.1 3.5	0.713 0.949	0.203 0.241	10	3.3	0.831	0.222	78.8
9	80/ 90	10	4.8 3.2	1.043 1.024	0.323 0.242	10	4.0	1.034	0.282	78.6
10	90/100	10	3.9 2.7	1.158 0.830	0.425 0.313	10	3.3	0.994	0.369	72.9
11	100/110	10	2.5 2.8	2.289 1.690	1.088 0.430	10	2.7	1.989	0.759	73.7
12	110/120	10	2.5 2.3	4.598 2.484	1.814 0.832	10	2.4	3.541	1.323	73.3
13	120/130	10	2.7 2.7	2.193 2.088	0.474 0.578	10	2.7	2.141	0.526	80.3
14	130/135	5	2.8 3.4	2.647 2.931	0.737 0.578	5	3.1	2.789	0.658	80.9
15	135/140	5	2.5 2.9	4.120 6.469	1.494 1.564	5	2.7	5.295	1.529	77.0
16	140/145	5	2.4 2.5	4.634 8.705	1.535 2.043	5	2.5	6.669	1.789	78.1
17	145/147	2	6.7 4.2	92.978 142.089	17.453 24.016	2	5.5	117.534	20.734	84.9
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						147.0	4.452	1.119	79.9	

Stn. III Date 4.17 Core no. 2/4

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 15	15	0.4	0.046	0.109					
			0.6	0.182	0.079	15	0.5	0.114	0.094	49.8
2	15/ 30	15	0.3	0.158	0.103					
			0.6	0.170	0.089	15	0.4	0.164	0.096	63.1
3	30/ 40	10	0.7	0.489	0.355					
			0.9	0.424	0.221	10	0.8	0.456	0.288	61.8
4	40/ 50	10	1.7	0.367	0.212					
			2.0	0.491	0.230	10	1.9	0.429	0.221	65.7
5	50/ 60	10	3.2	0.665	0.332					
			3.4	0.972	0.451	10	3.3	0.818	0.391	67.5
6	60/ 70	10	2.2	0.377	0.227					
			2.4	0.589	0.233	10	2.3	0.483	0.230	67.0
7	70/ 80	10	2.9	0.639	0.332					
			2.4	0.669	0.211	10	2.7	0.654	0.271	70.9
8	80/ 90	10	2.7	0.859	0.318					
			4.1	1.016	0.347	10	3.4	0.937	0.332	73.8
9	90/100	10	3.1	0.910	0.308					
			4.0	1.182	0.470	10	3.6	1.046	0.389	73.1
10	100/110	10	3.3	3.531	1.090					
			3.1	1.649	0.478	10	3.2	2.590	0.784	77.0
11	110/120	10	2.8	1.553	0.461					
			2.9	3.453	0.680	10	2.9	2.503	0.570	80.3
12	120/125	5	2.2	2.018	0.478					
			2.3	2.547	0.329	5	2.3	2.283	0.403	84.7
13	125/130	5	2.7	1.866	0.211					
			2.3	3.288	0.447	5	2.5	2.577	0.329	88.9
14	130/135	5	3.5	4.737	0.690					
			3.2	3.795	0.673	5	3.4	4.266	0.681	86.1
15	135/140	5	3.5	7.026	0.919					
			2.5	3.874	0.644	5	3.0	5.450	0.782	87.1
16	140/144	4	7.1	245.474	44.467					
			3.6	247.569	47.940	4	5.4	246.521	46.203	84.2
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						144.0	11.623	2.334	83.3	

Stn. III Date 4.29 Core no. 2/3

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			PRatio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 20	20	0.4	0.051	0.047	20	0.4	0.127	0.095	55.4
			0.3	0.202	0.142					
2	20/ 40	20	0.5	0.295	0.198	20	0.6	0.406	0.205	65.4
			0.6	0.517	0.212					
3	40/ 55	15	2.5	0.344	0.171	15	2.4	0.420	0.224	65.5
			2.2	0.495	0.276					
4	55/ 70	15	2.8	0.427	0.572	15	2.8	0.632	0.490	55.0
			2.7	0.837	0.408					
5	70/ 80	10	3.3	1.640	0.396	10	2.9	1.085	0.308	75.6
			2.5	0.530	0.220					
6	80/ 90	10	3.0	1.126	0.436	10	3.4	0.921	0.369	71.2
			3.7	0.715	0.301					
7	90/100	10	3.5	1.245	0.546	10	3.3	1.109	0.515	68.2
			3.1	0.972	0.483					
8	100/110	10	3.8	1.984	1.006	10	3.1	2.903	1.306	68.4
			2.4	3.821	1.605					
9	110/120	10	2.6	4.189	2.301	10	2.9	3.275	1.713	66.1
			3.1	2.360	1.124					
10	120/125	5	3.2	2.421	2.293	5	3.3	2.349	1.522	63.3
			3.3	2.277	0.750					
11	125/130	5	2.7	3.212	2.622	5	3.7	3.454	1.850	66.2
			4.7	3.696	1.077					
12	130/135	5	3.5	7.851	9.091	5	3.5	6.746	5.097	65.0
			3.5	5.640	1.102					
13	135/140	5	2.9	17.065	15.914	5	3.0	13.956	9.677	63.8
			3.0	10.847	3.439					
14	140/144	4	3.1	212.751	73.849	4	4.0	221.329	85.597	72.2
			4.9	229.906	97.344					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	PRatio (%)	
						144.0	11.372	4.919	69.8	

Stn. III Date 5.24 Core no. 1/2

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			PRatio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	17.3	3.089	0.437	5	16.0	3.086	0.526	85.5
			14.7	3.083	0.614					
2	5/ 10	5	13.2	4.269	0.666	5	12.8	5.078	0.858	85.7
			12.3	5.886	1.050					
3	10/ 15	5	12.5	5.538	0.931	5	12.4	5.921	0.962	86.0
			12.2	6.304	0.993					
4	15/ 20	5	11.0	6.848	1.233	5	10.9	6.406	1.093	85.5
			10.7	5.963	0.952					
5	20/ 25	5	11.0	16.294	3.706	5	10.6	15.334	3.441	81.7
			10.1	14.374	3.175					
6	25/ 30	5	10.3	25.580	5.385	5	11.2	25.529	5.106	83.3
			12.1	25.477	4.826					
7	30/ 35	5	9.7	24.804	6.091	5	10.5	25.231	5.953	80.9
			11.2	25.658	5.815					
8	35/ 40	5	10.6	30.881	8.295	5	10.8	22.660	5.881	79.7
			10.9	14.439	3.467					
9	40/ 45	5	10.2	29.183	8.712	5	10.2	25.612	7.174	78.3
			10.2	22.040	5.635					
10	45/ 50	5	10.4	31.370	7.857	5	9.9	28.236	6.878	80.5
			9.3	25.101	5.899					
11	50/ 55	5	10.0	36.425	9.929	5	9.3	34.044	8.547	80.1
			8.6	31.663	7.165					
12	55/ 60	5	10.8	88.830	33.998	5	10.3	92.055	25.203	78.8
			9.7	95.280	16.408					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	PRatio (%)	
						60.0	14.460	3.581	80.2	

Stn. III Date 5.28 Core no. 1/2

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	15.5	3.290	0.684					
2	5/ 10	5	17.6	4.218	1.291	5	16.6	3.754	0.988	79.7
			12.9	5.078	1.159					
3	10/ 15	5	14.6	4.367	1.002	5	13.8	4.723	1.081	81.4
			10.7	4.408	1.142					
4	15/ 20	5	12.6	5.413	1.184	5	11.7	4.911	1.163	80.7
			10.5	6.217	1.578					
5	20/ 25	5	12.8	11.625	2.349	5	11.7	8.921	1.964	81.5
			10.6	10.069	2.765					
6	25/ 30	5	13.3	18.629	4.267	5	12.0	14.349	3.516	79.9
			12.1	24.750	4.860					
7	30/ 35	5	14.3	26.965	6.200	5	13.2	25.858	5.530	82.4
			12.2	32.531	7.945					
8	35/ 40	5	13.4	31.576	7.254	5	12.8	32.054	7.600	80.8
			12.0	28.575	6.779					
9	40/ 45	5	13.2	19.861	4.572	5	12.6	24.218	5.676	81.1
			10.0	26.999	7.180					
10	45/ 50	5	11.1	22.611	6.311	5	10.6	24.805	6.746	78.6
			9.3	29.511	6.728					
11	50/ 55	5	8.9	26.042	7.118	5	9.1	27.777	6.923	80.0
			10.0	25.360	7.127					
12	55/ 60	5	8.9	22.091	6.775	5	9.5	23.726	6.951	77.3
			9.9	21.676	7.202					
13	60/ 65	5	9.4	25.110	7.342	5	9.7	23.393	7.272	76.2
			9.4	39.497	10.149					
14	65/ 69	4	9.2	35.614	10.017	5	9.3	37.556	10.083	78.8
			11.8	99.984	19.419					
		4	10.8	93.067	30.151	4	11.3	96.526	24.785	79.6
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						69.0	16.663	4.266	79.6	

Stn. III Date 6.2 Core no. 1/2

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	15.4	3.095	0.708	5	15.3	3.319	0.788	80.9
			15.2	3.542	0.868					
2	5/ 10	5	12.6	6.514	0.790	5	12.4	6.203	1.011	86.0
			12.1	5.892	1.231					
3	10/ 15	5	13.0	5.658	1.076	5	13.0	6.017	1.324	82.1
			12.9	6.375	1.571					
4	15/ 20	5	11.2	9.375	1.534	5	11.6	11.011	1.836	85.7
			12.0	12.646	2.138					
5	20/ 25	5	10.8	17.610	3.939	5	10.9	16.560	3.699	81.7
			10.9	15.510	3.459					
6	25/ 30	5	10.1	26.627	5.865	5	10.5	23.476	5.688	83.6
			10.9	20.324	3.510					
7	30/ 35	5	10.3	23.706	6.189	5	10.7	22.208	5.460	80.4
			11.0	20.709	4.730					
8	35/ 40	5	10.5	29.708	6.817	5	11.2	27.494	6.399	81.1
			11.9	25.280	5.981					
9	40/ 45	5	10.4	41.606	9.727	5	11.2	38.012	8.726	81.4
			11.9	34.417	7.725					
10	45/ 50	5	9.6	33.149	7.667	5	10.3	33.359	7.945	80.8
			11.0	33.569	8.222					
11	50/ 55	5	9.3	26.783	5.390	5	9.7	28.621	6.226	82.2
			10.0	30.459	7.062					
12	55/ 60	5	9.4	28.395	5.111	5	9.7	27.194	5.457	83.2
			9.9	25.993	5.802					
13	60/ 65	5	9.7	20.830	5.433	5	9.9	22.501	5.909	79.2
			10.0	24.171	6.385					
14	65/ 70	5	10.0	41.694	12.578	5	10.2	40.393	12.164	76.9
			10.3	39.092	11.750					
15	70/ 73	3	13.8	67.685	22.744	3	13.9	59.363	18.233	76.8
			13.9	51.040	13.722					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						73.0	17.099	4.128	80.6	

Stn. III Date 6.12 Core no. 1/2

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 10	10	14.0	1.760	0.382	10	15.3	2.284	0.390	84.9
			16.6	2.807	0.398					
2	10/ 15	5	11.2	3.910	0.871	5	13.4	5.459	0.630	88.3
			15.5	7.008	0.388					
3	15/ 20	5	10.7	6.810	1.540	5	12.4	9.192	0.939	89.4
			14.0	11.574	0.337					
4	20/ 25	5	8.9	13.384	3.031	5	10.6	13.357	2.044	87.1
			12.3	13.330	1.057					
5	25/ 30	5	10.2	17.445	3.388	5	10.1	21.430	2.727	88.1
			10.0	25.414	2.066					
6	30/ 35	5	9.6	27.051	6.456	5	9.9	26.751	4.252	86.8
			10.1	26.450	2.047					
7	35/ 40	5	10.9	33.150	8.476	5	10.9	29.358	5.287	86.0
			10.8	25.565	2.098					
8	40/ 45	5	10.2	28.932	7.308	5	9.7	20.980	4.110	86.6
			9.1	13.028	0.912					
9	45/ 50	5	8.9	28.149	6.670	5	8.7	29.788	4.634	86.6
			8.5	31.427	2.597					
10	50/ 55	5	8.9	26.544	6.627	5	8.9	26.858	4.856	84.9
			8.8	27.172	3.084					
11	55/ 60	5	9.6	20.032	5.226	5	9.1	21.408	3.924	84.5
			8.5	22.783	2.622					
12	60/ 65	5	7.8	23.748	6.967	5	7.9	21.483	5.339	80.6
			7.9	19.217	3.711					
13	65/ 70	5	7.9	12.458	7.542	5	7.7	9.813	4.593	71.8
			7.5	7.167	1.644					
14	70/ 78	8	11.4	36.451	6.630	8	11.7	51.869	3.832	91.5
			11.9	67.287	1.034					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						78.0	16.172	2.512	86.6	

Stn. III Date 6.30 Core no. 1/2

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 10	10	14.4	3.069	0.577	10	12.6	3.432	0.549	86.1
			10.8	3.795	0.521					
2	10/ 20	10	13.9	6.515	1.196	10	12.1	6.986	1.102	86.3
			10.2	7.457	1.008					
3	20/ 30	10	13.0	15.138	4.205	10	11.5	18.817	2.904	85.8
			10.0	22.495	1.602					
4	30/ 35	5	11.0	26.170	5.480	5	10.7	22.432	3.303	88.5
			10.3	18.694	1.126					
5	35/ 40	5	10.6	26.053	6.762	5	10.0	28.064	4.844	85.3
			9.4	30.074	2.925					
6	40/ 45	5	12.4	30.177	7.590	5	10.2	34.718	5.905	85.1
			8.0	39.259	4.220					
7	45/ 50	5	11.0	25.461	6.679	5	9.2	28.637	4.832	85.3
			7.3	31.812	2.985					
8	50/ 55	5	7.8	23.567	6.433	5	7.4	22.401	4.425	84.2
			6.9	21.235	2.416					
9	55/ 60	5	7.2	20.076	5.384	5	7.4	23.106	4.263	84.1
			7.6	26.135	3.142					
10	60/ 65	5	6.8	11.149	3.666	5	6.7	14.771	3.426	80.2
			6.6	18.393	3.186					
11	65/ 70	5	6.8	7.474	4.261	5	6.4	7.354	7.284	69.8
			6.0	7.234	2.306					
12	70/ 75	5	7.4	2.421	1.695	5	6.8	2.191	1.521	59.0
			6.1	1.960	1.347					
13	75/ 80	5	7.2	9.044	5.657	5	6.7	9.897	3.670	74.0
			6.1	10.749	1.682					
14	80/ 85	5	9.0	27.911	6.572	5	8.4	46.912	4.505	88.7
			7.7	65.913	2.437					
15	85/ 88	3	15.3	1.783	0.928	3	14.2	2.225	0.733	74.5
			12.9	2.666	0.538					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						88.0	15.014	2.676	84.9	

Stn. III Date 7.20 Core no. 1/2

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 10	10	12.4	4.521	1.021					
2	10/ 20	10	12.5	3.697	0.086	10	12.5	4.109	0.554	89.7
			11.7	8.478	1.850					
3	20/ 30	10	10.4	8.847	0.000	10	11.1	8.663	0.925	91.0
			9.3	16.012	4.542					
4	30/ 35	5	10.2	15.291	3.336	10	9.8	15.652	3.939	80.0
			9.8	22.981	6.493					
5	35/ 40	5	8.6	16.724	4.109	5	9.2	19.853	5.301	79.1
			10.3	24.591	6.659					
6	40/ 45	5	9.2	21.192	0.000	5	9.8	22.892	3.330	89.3
			11.1	27.720	8.580					
7	45/ 50	5	8.7	39.924	11.770	5	9.9	33.822	10.175	76.8
			8.4	30.214	9.926					
8	50/ 55	5	8.0	26.762	3.765	5	8.2	28.488	6.846	81.5
			6.7	27.843	8.505					
9	55/ 60	5	6.9	22.658	3.731	5	6.8	25.251	6.118	81.2
			7.9	26.274	8.478					
10	60/ 65	5	6.8	18.869	3.293	5	7.4	22.572	5.886	80.4
			7.8	17.342	8.299					
11	65/ 70	5	6.8	15.264	4.943	5	7.3	16.303	6.621	71.6
			7.2	10.734	8.510					
12	70/ 80	10	5.7	7.203	3.797	5	6.5	8.969	6.154	60.6
			7.5	3.491	3.740					
13	80/ 85	5	5.9	2.923	2.413	10	6.7	3.207	3.077	51.5
			7.5	3.541	1.977					
14	85/ 90	5	5.9	2.430	1.266	5	6.7	2.986	1.622	65.0
			7.4	14.889	4.058					
15	90/ 96	6	6.1	10.817	1.726	5	6.8	12.853	2.892	82.4
			9.4	34.221	4.890					
			8.1	8.578	0.118	6	8.8	21.400	2.504	93.1
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						96.0	14.146	3.747	79.1	

Stn. III Date 8.4 Core no. 1/2

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 10	10	12.9	3.196	0.611	10	11.7	2.830	0.618	81.9
			10.5	2.463	0.625					
2	10/ 20	10	11.8	6.282	1.278	10	10.9	4.944	1.113	81.1
			10.0	3.606	0.948					
3	20/ 30	10	9.7	17.622	4.415	10	9.4	13.590	3.652	78.4
			9.1	9.557	2.889					
4	30/ 35	5	9.0	24.256	7.116	5	9.6	18.182	5.564	76.2
			10.1	12.107	4.011					
5	35/ 40	5	9.3	16.833	4.914	5	9.8	14.928	4.595	76.3
			10.3	13.023	4.275					
6	40/ 45	5	9.8	26.589	9.282	5	9.8	23.723	8.072	74.7
			9.8	20.857	6.862					
7	45/ 50	5	7.7	17.756	6.805	5	8.2	18.347	6.868	72.8
			8.7	18.938	6.931					
8	50/ 55	5	7.2	14.050	4.100	5	7.8	15.118	4.646	76.6
			8.3	16.186	5.191					
9	55/ 60	5	7.3	10.811	3.750	5	7.8	14.227	4.779	74.7
			8.2	17.643	5.808					
10	60/ 65	5	6.9	6.850	5.287	5	7.3	10.029	5.844	61.9
			7.7	13.207	6.401					
11	65/ 70	5	6.0	0.521	0.678	5	6.4	6.070	3.565	53.9
			6.8	11.618	6.452					
12	70/ 80	10	6.0	0.763	1.343	10	6.2	2.464	2.655	43.7
			6.3	4.165	3.967					
13	80/ 90	10	5.4	1.552	1.619	10	5.8	1.074	1.245	44.8
			6.2	0.595	0.871					
14	90/ 95	5	6.2	6.936	2.438	5	5.6	4.237	1.608	70.2
			4.9	1.538	0.778					
15	95/100	5	11.3	5.405	1.262	5	9.1	10.039	1.900	83.2
			6.8	14.673	2.538					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						100.0	9.235	3.300	73.7	

Stn. III Date 8.17 Core no. 2/4

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 10	10	15.9	3.332	0.429	10	14.1	3.498	0.394	89.8
			12.2	3.664	0.359					
2	10/ 15	5	11.3	6.064	1.244	5	11.1	6.412	1.069	85.6
			10.8	6.760	0.894					
3	15/ 20	5	10.6	8.423	1.663	5	10.1	10.231	1.442	87.2
			9.5	12.038	1.220					
4	20/ 25	5	10.8	13.938	3.168	5	10.6	16.076	2.460	86.4
			10.3	18.214	1.751					
5	25/ 30	5	11.1	10.711	2.320	5	12.3	16.963	2.424	86.2
			13.5	23.214	2.528					
6	30/ 35	5	9.5	21.123	4.745	5	10.6	22.388	3.972	84.9
			11.7	23.653	3.199					
7	35/ 40	5	9.9	24.288	6.256	5	10.1	25.646	5.229	83.0
			10.3	27.004	4.202					
8	40/ 45	5	13.2	30.415	8.532	5	11.4	32.636	6.985	82.3
			9.6	34.856	5.437					
9	45/ 50	5	10.9	27.519	8.297	5	11.1	29.145	5.777	83.6
			11.3	30.771	3.257					
10	50/ 55	5	8.3	26.937	5.610	5	8.6	28.025	3.385	89.5
			8.9	29.113	1.159					
11	55/ 60	5	8.6	19.609	4.472	5	8.7	22.248	4.203	83.9
			8.8	24.886	3.934					
12	60/ 65	5	9.1	13.406	4.748	5	8.3	17.617	5.582	75.6
			7.5	21.828	6.415					
13	65/ 70	5	8.7	8.777	5.056	5	7.5	11.253	6.863	62.4
			6.2	13.729	8.669					
14	70/ 75	5	6.9	7.981	5.285	5	6.5	9.729	6.223	60.9
			6.1	11.477	7.161					
15	75/ 80	5	7.3	2.517	2.714	5	6.7	5.502	4.588	52.4
			6.0	8.487	6.461					
16	80/ 85	5	7.4	0.819	1.250	5	7.2	1.004	1.296	43.3
			7.0	1.188	1.342					
17	85/ 90	5	7.1	0.563	0.893	5	6.9	0.923	1.142	43.3
			6.6	1.282	1.391					
18	90/ 95	5	6.1	0.559	0.877	5	6.5	0.782	0.995	43.2
			6.8	1.005	1.113					
19	95/100	5	6.3	1.541	1.326	5	6.3	1.311	1.168	52.7
			6.2	1.080	1.010					
20	100/105	5	8.5	7.313	1.909	5	7.8	10.230	1.856	83.6
			7.0	13.147	1.802					
21	105/111	6	0.0	3.356	0.769	6	5.1	6.107	0.828	86.1
			10.2	8.857	0.886					
T O T A L						Thickness (cm)	Chl.a (mg m⁻²)		Phaeop.	P Ratio (%)
						111	14.122	3.422	80.5	

Stn. III Date 8.31 Core no. 1/3

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 10	10	11.9 12.9	2.061 1.745	0.138 0.702	10	12.4	1.903	0.420	82.5
2	10/ 15	5	11.0 12.0	3.496 4.209	0.471 1.027	5	11.5	3.853	0.749	84.3
3	15/ 20	5	10.1 11.6	6.271 6.125	0.771 1.977	5	10.9	6.198	1.374	82.3
4	20/ 25	5	8.9 11.7	9.309 10.788	1.625 2.871	5	10.3	10.049	2.248	82.1
5	25/ 30	5	8.2 10.3	15.250 15.165	2.171 3.431	5	9.3	15.208	2.801	84.5
6	30/ 35	5	9.2 9.6	17.441 21.382	3.516 5.494	5	9.4	19.412	4.505	81.4
7	35/ 40	5	9.3 9.6	24.856 22.607	5.327 5.284	5	9.5	23.732	5.306	81.7
8	40/ 45	5	7.5 9.0	26.142 27.442	6.378 8.217	5	8.3	26.792	7.298	78.7
9	45/ 50	5	6.3 6.9	22.639 29.290	4.694 8.344	5	6.6	25.965	6.519	80.3
10	50/ 55	5	5.5 6.4	20.497 26.135	4.255 7.199	5	6.0	23.316	5.727	80.6
11	55/ 60	5	5.6 5.8	19.418 22.309	3.684 7.434	5	5.7	20.864	5.559	79.5
12	60/ 65	5	5.0 5.4	15.272 17.061	3.356 9.012	5	5.2	16.167	6.184	73.7
13	65/ 70	5	4.0 4.4	19.159 12.030	0.000 7.970	5	4.2	15.595	3.985	80.1
14	70/ 75	5	3.7 4.3	11.913 10.451	0.000 6.472	5	4.0	11.182	3.236	80.9
15	75/ 80	5	4.5 3.7	1.606 6.654	3.002 5.704	5	4.1	4.130	4.353	44.3
16	80/ 85	5	4.2 5.1	0.563 0.682	1.256 1.151	5	4.7	0.623	1.204	34.1
17	85/ 90	5	4.3 6.5	0.464 0.675	0.596 0.795	5	5.4	0.570	0.696	44.8
18	90/100	10	5.3 5.2	1.466 0.890	0.569 0.755	10	5.3	1.178	0.662	63.1
19	100/105	5	10.1 7.4	9.504 11.108	0.696 1.676	5	8.8	10.306	1.186	90.0
20	105/110	5	7.9 9.0	3.706 6.096	0.420 1.097	5	8.5	4.901	0.759	87.3
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						110.0	12.251	3.293	78.8	

Stn. III Date 9.11 Core no. 1/3

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 10	10	10.2 14.9	1.725 1.280	0.027 0.111	10	12.6	1.503	0.069	95.2
2	10/ 15	5	10.2 13.0	2.882 3.791	0.329 0.358	5	11.6	3.337	0.344	90.6
3	15/ 20	5	9.3 14.7	6.057 5.580	0.773 0.222	5	12.0	5.819	0.498	92.4
4	20/ 25	5	10.2 15.7	11.988 14.093	1.411 0.933	5	13.0	13.041	1.172	91.6
5	25/ 30	5	9.4 9.8	15.708 9.780	2.213 2.181	5	9.6	12.744	2.197	84.7
6	30/ 35	5	9.4 9.5	16.801 16.411	2.757 3.076	5	9.5	16.606	2.917	85.1
7	35/ 40	5	9.7 7.5	22.978 24.726	3.213 3.140	5	8.6	23.852	3.177	88.2
8	40/ 45	5	6.7 8.2	28.996 34.118	4.161 2.919	5	7.5	31.557	3.540	89.8
9	45/ 50	5	5.8 5.5	29.663 31.396	4.014 3.270	5	5.7	30.530	3.642	89.3
10	50/ 55	5	4.9 4.5	24.538 23.238	3.938 3.502	5	4.7	23.888	3.720	86.5
11	55/ 60	5	3.9 4.5	12.996 18.524	2.730 4.078	5	4.2	15.760	3.404	82.3
12	60/ 65	5	3.9 3.6	12.234 13.099	4.608 5.617	5	3.8	12.667	5.113	71.3
13	65/ 70	5	3.1 2.8	9.257 6.312	5.864 5.407	5	3.0	7.785	5.636	57.5
14	70/ 75	5	4.1 4.3	0.782 1.168	1.152 1.651	5	4.2	0.975	1.402	40.9
15	75/ 80	5	4.0 4.3	0.820 1.186	1.208 1.810	5	4.2	1.003	1.509	40.0
16	80/ 90	10	4.3 4.5	2.203 1.713	1.869 1.179	10	4.4	1.958	1.524	56.7
17	90/ 95	5	5.3 5.2	7.737 7.572	1.085 0.844	5	5.3	7.655	0.965	88.8
18	95/100	5	6.2 6.0	11.221 18.967	0.974 0.000	5	6.1	15.094	0.487	96.0
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						100.0	11.462	2.145	84.2	

Stn. III Date 9.21 Core no. 1/3

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 10	10	11.4 10.1	1.861 1.774	0.763 0.399	10	10.8	1.818	0.581	76.3
2	10/ 15	5	9.5 8.6	4.224 5.103	1.102 0.775	5	9.1	4.664	0.939	83.1
3	15/ 20	5	9.1 8.8	8.197 9.431	2.207 0.908	5	9.0	8.814	1.558	85.0
4	20/ 25	5	8.2 8.5	11.376 11.557	3.782 2.055	5	8.4	11.467	2.919	80.0
5	25/ 30	5	8.3 7.6	10.386 13.322	2.947 1.911	5	8.0	11.854	2.429	82.7
6	30/ 35	5	8.5 6.8	15.300 13.266	4.307 2.119	5	7.7	14.283	3.213	82.1
7	35/ 40	5	8.2 6.3	25.849 17.501	7.484 3.376	5	7.3	21.675	5.430	80.7
8	40/ 45	5	6.6 5.6	34.839 18.245	8.956 4.562	5	6.1	26.542	6.759	79.8
9	45/ 50	5	5.0 4.5	29.913 18.538	8.232 3.337	5	4.8	24.226	5.785	81.6
10	50/ 55	5	5.1 4.1	17.921 16.080	5.735 3.478	5	4.6	17.001	4.607	79.0
11	55/ 60	5	4.8 3.8	9.638 12.832	7.206 3.273	5	4.3	11.235	5.240	68.4
12	60/ 65	5	3.3 3.0	12.726 11.469	8.086 5.197	5	3.2	12.098	6.642	65.0
13	65/ 70	5	2.4 3.4	7.339 2.600	5.614 2.067	5	2.9	4.970	3.841	56.2
14	70/ 75	5	4.4 4.3	1.019 0.636	1.489 0.879	5	4.4	0.828	1.184	41.3
15	75/ 80	5	5.0 4.9	1.121 0.868	1.775 1.186	5	5.0	0.995	1.481	40.5
16	80/ 90	10	5.2 4.5	1.316 1.217	1.232 1.051	10	4.9	1.267	1.142	52.7
17	90/ 95	5	5.4 5.3	12.986 6.032	3.516 1.184	5	5.4	9.509	2.350	81.1
18	95/ 97	2	6.4 6.1	34.563 10.294	6.613 1.501	2	6.3	22.429	4.057	85.6
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						97.0	9.765	2.972	76.7	

Stn. III Date 9.30 Core no. 1/3

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 10	10	9.5	2.922	0.618					
2	10/ 15	5	9.8	1.150	0.791	10	9.7	2.036	0.705	70.9
			9.9	6.856	1.052					
3	15/ 20	5	12.2	3.629	1.167	5	11.1	5.243	1.110	81.2
			9.4	8.935	1.046					
4	20/ 25	5	12.5	5.858	0.864	5	11.0	7.397	0.955	88.3
			8.4	9.110	1.159					
5	25/ 30	5	10.4	8.778	1.505	5	9.4	8.944	1.332	87.0
			7.8	15.657	1.101					
6	30/ 35	5	11.0	14.179	1.121	5	9.4	14.918	1.111	93.1
			7.9	22.294	2.571					
7	35/ 40	5	11.6	16.044	1.030	5	9.8	19.169	1.801	91.8
			9.5	37.350	2.721					
8	40/ 45	5	9.0	18.801	3.742	5	9.3	28.076	3.232	88.3
			7.8	33.426	3.612					
9	45/ 50	5	8.1	25.970	3.834	5	8.0	29.698	3.723	88.7
			6.5	32.742	3.341					
10	50/ 55	5	6.6	22.963	2.413	5	6.6	27.853	2.877	90.6
			6.7	26.693	3.862					
11	55/ 60	5	5.9	20.918	3.145	5	6.3	23.806	3.504	87.1
			5.1	20.942	4.672					
12	60/ 65	5	4.6	14.900	5.246	5	4.9	17.921	4.959	77.9
			4.7	12.506	5.376					
13	65/ 70	5	4.0	11.419	4.112	5	4.4	11.963	4.744	71.7
			2.8	9.659	5.157					
14	70/ 75	5	2.3	4.694	4.149	5	2.6	7.177	4.653	59.1
			3.9	1.905	1.155					
15	75/ 80	5	3.7	0.964	1.111	5	3.8	1.435	1.133	54.4
			4.2	1.987	1.702					
16	80/ 90	10	4.3	0.737	1.144	5	4.3	1.362	1.423	46.5
			4.0	1.616	0.641					
17	90/ 95	5	4.4	0.995	0.720	10	4.2	1.306	0.681	64.8
			4.7	3.842	0.590					
18	95/ 99	4	4.5	5.093	1.442	5	4.6	4.468	1.016	82.3
			5.7	8.282	0.000					
			5.7	10.058	1.737	4	5.7	9.443	0.869	92.6
T O T A L						Thickness (cm)		Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)
						99.0		11.183	2.052	84.5

Stn. III Date 10.10 Core no. 1/3

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	-25/-10	15	16.4	0.314	0.458	13	13.9	0.386	0.436	46.6
	-21/-10	11	11.3	0.457	0.413					
2	-10/ 0	10	15.9	0.232	0.174	10	15.0	0.464	0.269	61.5
			14.1	0.696	0.363					
3	0/ 10	10	11.5	4.034	0.749	10	9.8	2.679	0.642	77.8
			8.0	1.323	0.534					
4	10/ 15	5	9.3	9.231	2.253	5	8.2	6.996	1.601	81.9
			7.0	4.761	0.948					
5	15/ 20	5	8.2	10.654	1.004	5	7.7	11.201	1.110	91.0
			7.2	11.748	1.215					
6	20/ 25	5	8.3	15.451	1.076	5	7.8	14.066	1.302	91.4
			7.2	12.680	1.528					
7	25/ 30	5	7.7	14.976	2.132	5	7.5	18.512	2.281	88.8
			7.2	22.048	2.431					
8	30/ 35	5	7.4	14.540	2.210	5	7.1	18.173	2.357	88.3
			6.7	21.805	2.504					
9	35/ 40	5	7.0	19.057	2.055	5	7.3	24.241	2.981	89.3
			7.5	29.426	3.908					
10	40/ 45	5	7.3	12.626	2.000	5	7.7	24.806	3.298	87.6
			8.1	36.985	4.595					
11	45/ 50	5	5.4	26.926	5.679	5	6.2	31.162	5.430	84.9
			7.0	35.399	5.181					
12	50/ 55	5	4.8	21.050	8.680	5	4.6	25.591	7.978	75.7
			4.3	30.132	7.276					
13	55/ 60	5	4.4	14.595	6.821	5	4.2	14.071	5.906	70.6
			3.9	13.548	4.990					
14	60/ 65	5	4.0	10.379	5.153	5	4.2	11.154	5.191	68.2
			4.3	11.929	5.228					
15	65/ 70	5	3.0	7.587	4.165	5	2.9	8.059	4.639	63.5
			2.8	8.531	5.113					
16	70/ 80	10	4.3	0.865	0.845	10	4.0	0.975	1.034	48.8
			3.7	1.084	1.223					
17	80/ 90	10	4.1	1.192	1.064	10	4.1	1.479	1.063	57.6
			4.1	1.767	1.062					
18	90/ 95	5	5.5	14.337	4.260	5	5.5	18.340	3.560	82.9
			5.5	22.343	2.860					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						95.0	11.832	2.656	81.7	

Stn. III Date 10.24 Core no. 1/4

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	-28/-10	18	11.9	2.491	1.337	18	11.8	2.340	1.154	67.2
			11.6	2.189	0.970					
2	-10/ 0	10	15.9	1.849	0.760	10	14.9	1.425	0.587	70.8
			13.9	1.001	0.414					
3	0/ 10	10	10.1	5.098	0.050	10	9.0	4.163	0.290	92.5
			7.8	3.228	0.529					
4	10/ 15	5	8.0	9.825	0.472	5	8.1	11.506	0.461	96.1
			8.2	13.187	0.450					
5	15/ 20	5	7.9	17.239	0.539	5	7.7	21.292	1.059	95.6
			7.5	25.344	1.579					
6	20/ 25	5	7.6	26.303	0.876	5	7.1	25.637	1.574	94.2
			6.6	24.971	2.271					
7	25/ 30	5	7.8	20.766	0.762	5	7.4	24.366	1.232	95.4
			6.9	27.966	1.701					
8	30/ 35	5	7.2	13.574	1.241	5	6.8	20.818	1.632	92.4
			6.4	28.062	2.023					
9	35/ 40	5	7.5	21.849	1.720	5	7.3	27.489	1.922	93.3
			7.1	33.129	2.124					
10	40/ 45	5	6.2	28.484	2.557	5	5.6	29.875	2.489	92.3
			5.0	31.265	2.420					
11	45/ 50	5	4.4	29.004	4.151	5	4.5	35.552	5.350	87.0
			4.5	42.100	6.548					
12	50/ 55	5	4.7	23.089	4.109	5	4.7	26.582	5.263	83.7
			4.6	30.075	6.416					
13	55/ 60	5	4.7	15.800	3.600	5	4.4	15.854	4.285	78.8
			4.1	15.908	4.969					
14	60/ 65	5	3.5	13.933	4.312	5	3.2	16.728	4.557	78.3
			2.9	19.523	4.801					
15	65/ 70	5	2.3	10.505	4.403	5	2.3	11.168	4.094	73.1
			2.3	11.830	3.784					
16	70/ 80	10	3.3	1.201	0.981	10	3.5	1.566	1.154	57.1
			3.6	1.930	1.327					
17	80/ 90	10	3.2	1.369	0.550	10	3.3	1.305	0.853	61.5
			3.3	1.240	1.156					
18	90/ 95	5	4.2	7.398	1.120	5	4.2	14.551	1.107	91.0
			4.1	21.704	1.094					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						123.0	15.338	2.247	87.2	

Stn. III Date 11.1 Core no. 1/3

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			PRatio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	-30/-20	10	10.4	4.374	2.089	10	10.6	4.629	1.343	78.4
			10.8	4.884	0.597					
2	-20/-10	10	4.9	0.236	0.294	10	5.6	0.607	0.324	59.0
			6.2	0.977	0.353					
3	-10/ 0	10	7.0	0.467	0.393	10	8.6	0.547	0.334	61.9
			10.2	0.626	0.274					
4	0/ 10	10	8.3	3.286	0.435	10	8.7	4.929	1.131	83.3
			9.0	6.572	1.827					
5	10/ 15	5	6.7	7.807	0.377	5	6.9	10.923	0.971	92.7
			7.1	14.038	1.564					
6	15/ 20	5	5.6	10.981	1.349	5	6.3	13.917	2.832	83.3
			6.9	12.853	4.314					
7	20/ 25	5	6.3	15.070	1.770	5	7.2	15.810	2.711	85.7
			8.1	16.550	3.652					
8	25/ 30	5	6.0	18.088	1.709	5	6.7	17.306	2.242	88.5
			7.3	16.524	2.774					
9	30/ 35	5	6.3	18.475	1.490	5	6.8	15.727	1.794	89.3
			7.3	12.979	2.097					
10	35/ 40	5	6.9	26.220	3.106	5	7.0	23.432	3.794	85.8
			7.0	20.644	4.482					
11	40/ 45	5	7.7	18.615	2.532	5	6.9	18.968	1.278	94.0
			6.0	19.320	0.023					
12	45/ 50	5	8.6	29.561	3.773	5	7.0	26.144	1.887	94.3
			5.3	22.727	0.000					
13	50/ 55	5	6.7	31.647	9.406	5	5.8	27.090	7.674	78.1
			4.8	22.532	5.941					
14	55/ 60	5	6.6	27.739	5.089	5	5.7	22.649	5.290	80.3
			4.7	17.559	5.491					
15	60/ 65	5	5.5	12.455	4.635	5	4.6	10.678	4.625	69.4
			3.6	8.900	4.614					
16	65/ 70	5	4.2	9.723	2.457	5	3.2	7.159	3.376	65.8
			2.1	4.594	4.295					
17	70/ 80	10	4.3	1.089	0.864	10	4.0	0.856	0.788	51.2
			3.7	0.622	0.711					
18	80/ 90	10	4.3	0.629	0.480	10	4.0	0.760	0.524	58.9
			3.7	0.891	0.567					
19	90/ 95	5	4.4	6.452	1.057	5	4.1	7.176	1.115	86.5
			3.7	7.899	1.172					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	PRatio (%)	
						125.0	12.082	2.423	83.3	

Stn. III Date 11.14 Core no. 1/3

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	-30/-20	10	9.4	5.371	2.058					
			7.4	3.636	0.000	10	8.4	4.504	1.029	86.1
2	-20/-10	10	4.5	0.379	0.486					
			4.0	1.122	0.654	10	4.3	0.751	0.570	53.5
3	-10/ 0	10	7.3	1.107	0.557					
			5.1	1.982	0.941	10	6.2	1.545	0.749	67.2
4	0/ 10	10	7.5	6.246	1.001					
			5.7	4.731	0.578	10	6.6	5.489	0.790	87.7
5	10/ 15	5	6.7	15.063	0.555					
			4.8	12.661	2.755	5	5.8	13.862	1.655	89.3
6	15/ 20	5	5.8	22.826	3.216					
			4.4	19.621	3.138	5	5.1	21.224	3.177	86.9
7	20/ 25	5	5.7	29.391	2.609					
			4.5	34.974	4.840	5	5.1	31.183	3.725	89.6
8	25/ 30	5	6.1	31.053	2.469					
			4.6	36.040	4.211	5	5.4	33.547	3.340	91.1
9	30/ 35	5	6.1	32.112	2.285					
			4.3	19.662	4.096	5	5.2	25.887	3.191	88.1
10	35/ 40	5	7.1	32.465	4.517					
			5.5	18.657	3.119	5	6.3	25.561	3.818	86.7
11	40/ 45	5	6.8	37.157	1.673					
			5.4	27.099	4.186	5	6.1	32.128	2.930	91.2
12	45/ 50	5	4.8	31.222	2.111					
			6.5	53.384	3.131	5	5.7	42.303	2.621	94.1
13	50/ 55	5	4.3	20.960	4.890					
			6.4	46.376	4.417	5	5.4	33.668	4.654	86.2
14	55/ 60	5	3.9	25.917	4.569					
			6.9	44.921	4.911	5	5.4	35.419	4.740	87.6
15	60/ 65	5	3.5	18.372	7.066					
			5.0	21.208	4.324	5	4.3	19.790	5.695	77.6
16	65/ 70	5	2.1	13.244	4.278					
			3.4	14.562	5.544	5	2.8	13.903	4.911	74.0
17	70/ 80	10	3.7	0.749	0.730					
			4.3	1.620	1.316	10	4.0	1.185	1.023	52.9
18	80/ 90	10	3.6	0.880	0.733					
			4.5	1.378	0.980	10	4.1	1.129	0.857	56.5
19	90/ 95	5	3.4	13.048	0.266					
			3.4	22.603	1.987	5	3.4	17.826	1.127	95.0
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						125.0	18.775	2.781	87.1	

Stn. III Date 11.23 Core no. 1/3

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	-30/-20	10	10.6	9.427	3.073					
	-29/-20	9	16.0	9.542	3.055	10	13.3	9.485	3.064	75.6
2	-20/-10	10	5.0	0.658	0.311					
			8.7	2.564	0.950	10	6.9	1.611	0.631	70.4
3	-10/ 0	10	9.9	1.167	0.473					
			8.8	1.415	0.500	10	9.4	1.291	0.487	72.5
4	0/ 10	10	7.7	3.770	1.209					
			8.9	3.962	1.094	10	8.3	3.866	1.152	77.0
5	10/ 15	5	7.0	18.491	2.673					
			8.1	15.745	2.045	5	7.6	17.118	2.359	87.9
6	15/ 20	5	5.7	26.109	4.026					
			8.2	18.632	2.999	5	7.0	22.371	3.513	86.4
7	20/ 25	5	5.7	22.556	3.409					
			8.4	21.587	4.692	5	7.1	22.072	4.051	84.5
8	25/ 30	5	6.2	30.017	4.815					
			7.5	18.615	3.151	5	6.9	24.334	3.983	85.9
9	30/ 35	5	6.5	31.725	7.078					
			5.8	13.953	2.182	5	6.2	22.839	4.630	84.1
10	35/ 40	5	7.8	43.523	9.772					
			6.4	20.516	3.743	5	7.1	32.020	6.758	83.1
11	40/ 45	5	6.7	47.819	8.812					
			6.2	21.208	3.969	5	6.5	34.514	6.391	84.3
12	45/ 50	5	4.9	31.719	7.948					
			5.6	21.707	6.012	5	5.3	26.713	6.980	79.1
13	50/ 55	5	3.7	32.560	7.264					
			4.1	14.360	4.966	5	3.9	23.460	6.115	78.0
14	55/ 60	5	3.3	29.150	7.568					
			4.1	21.018	6.759	5	3.7	25.084	7.164	77.5
15	60/ 65	5	2.7	14.733	6.784					
			2.7	12.888	6.109	5	2.7	13.811	6.447	68.2
16	65/ 70	5	2.1	4.475	3.588					
			2.0	5.059	3.429	5	2.1	4.767	3.509	57.6
17	70/ 80	10	3.1	0.964	1.626					
			3.0	0.548	0.705	10	3.1	0.756	1.166	40.5
18	80/ 90	10	3.1	1.779	2.880					
			3.2	1.497	1.011	10	3.2	1.638	1.946	48.9
19	90/ 95	5	3.6	30.981	4.783					
			3.0	23.706	3.868	5	3.3	27.344	4.326	86.3
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						124.5	16.639	4.140	80.1	

Stn. III Date 12.3 Core no. 1/3

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	-30/-20	10	8.7	10.985	0.476	11	7.1	9.110	1.296	86.6
	-32/-20	12	5.5	7.234	2.115					
2	-20/-10	10	7.5	5.598	0.760	10	6.1	4.755	0.792	85.3
			4.7	3.912	0.824					
3	-10/ 0	10	9.1	2.327	0.236	10	8.0	2.590	0.472	85.5
			6.8	2.852	0.707					
4	0/ 10	10	10.7	4.755	0.290	10	9.4	3.854	0.438	88.9
			8.1	2.953	0.585					
5	10/ 15	5	9.5	13.773	0.000	5	8.8	10.669	0.443	94.8
			8.0	7.564	0.885					
6	15/ 20	5	8.4	19.059	0.000	5	7.8	13.581	0.499	94.5
			7.2	8.103	0.998					
7	20/ 25	5	8.2	25.807	0.000	5	7.3	18.088	0.579	95.0
			6.3	10.368	1.157					
8	25/ 30	5	5.6	17.262	0.000	5	5.5	13.041	0.487	95.0
			5.4	8.820	0.974					
9	30/ 35	5	5.3	15.133	0.000	5	5.3	12.208	0.755	93.0
			5.2	9.282	1.510					
10	35/ 40	5	5.5	26.917	0.000	5	5.6	18.825	0.770	93.7
			5.7	10.732	1.539					
11	40/ 45	5	5.6	35.916	0.751	5	6.8	26.854	1.268	94.4
			7.9	17.791	1.784					
12	45/ 50	5	4.5	34.559	1.879	5	4.7	33.399	2.236	93.7
			4.9	32.239	2.593					
13	50/ 55	5	3.7	22.367	2.101	5	3.8	20.929	2.298	90.0
			3.9	19.491	2.495					
14	55/ 60	5	3.4	27.951	2.575	5	3.6	27.207	2.993	90.1
			3.7	26.462	3.410					
15	60/ 65	5	3.1	24.053	2.652	5	3.2	20.918	2.774	88.0
			3.2	17.782	2.895					
16	65/ 70	5	2.2	7.104	2.308	5	2.5	11.379	2.851	78.8
			2.7	15.654	3.393					
17	70/ 80	10	2.9	1.539	0.677	10	2.9	2.736	1.022	71.8
			2.9	3.932	1.367					
18	80/ 90	10	3.2	2.144	0.865	10	3.9	1.597	0.714	68.2
			4.6	1.050	0.563					
19	90/ 94	4	2.4	41.673	0.000	4	4.1	29.338	0.442	97.5
			5.8	17.003	0.883					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						125.0	15.083	1.401	91.5	

Stn. III Date 12.18 Core no. 1/3

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	-40/-30	10	6.3 7.8	19.084 16.713	5.536 9.550	10	7.1	17.899	7.543	70.6
2	-30/-20	10	7.4 6.8	4.495 8.845	1.060 2.416	10	7.1	6.670	1.738	79.7
3	-20/-10	10	5.3 3.8	2.322 2.345	0.845 0.852	10	4.6	2.334	0.849	73.3
4	-10/ 0	10	8.2 5.4	5.950 4.457	0.429 0.738	10	6.8	5.204	0.584	89.5
5	0/ 10	10	9.1 6.6	6.670 5.442	1.772 0.489	10	7.9	6.056	1.131	85.4
6	10/ 15	5	9.1 6.8	12.225 6.477	0.716 2.988	5	8.0	9.351	1.852	81.4
7	15/ 20	5	10.2 6.5	17.990 9.364	0.685 4.494	5	8.4	13.677	2.590	82.0
8	20/ 25	5	7.6 5.8	10.873 16.121	0.872 1.144	5	6.7	13.497	1.008	93.0
9	25/ 30	5	9.3 6.0	10.130 13.688	0.924 1.287	5	7.7	11.909	1.106	91.5
10	30/ 35	5	7.4 5.4	9.450 14.699	7.635 0.000	5	6.4	12.075	3.818	77.7
11	35/ 40	5	6.2 6.0	18.525 19.117	14.631 3.392	5	6.1	18.821	9.012	70.4
12	40/ 45	5	4.6 6.9	16.863 20.306	2.865 1.679	5	5.8	18.585	2.272	88.9
13	45/ 50	5	3.7 5.7	13.235 16.914	2.177 2.041	5	4.7	15.075	2.109	87.6
14	50/ 55	5	3.2 4.3	18.766 18.669	2.181 5.573	5	3.8	18.718	3.877	83.3
15	55/ 60	5	4.0 4.4	23.453 36.663	2.429 8.727	5	4.2	30.058	5.578	85.7
16	60/ 65	5	2.8 3.2	19.525 12.438	3.707 4.304	5	3.0	15.982	4.006	79.2
17	65/ 70	5	2.0 2.2	0.858 4.572	0.616 3.386	5	2.1	2.715	2.001	57.8
18	70/ 80	10	3.1 3.4	0.694 0.715	0.598 0.762	10	3.3	0.705	0.680	51.1
19	80/ 90	10	4.2 2.9	3.768 0.910	0.000 0.940	10	3.6	2.339	0.470	74.6
20	90/ 95	5	3.7 2.9	21.887 19.712	0.000 2.449	5	3.3	20.800	1.225	94.5
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)		Phaeop.	P Ratio (%)
						135.0	14.184		3.322	81.0

Stn. III Date 12.29 Core no. 1/3

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	-38/-30	8	8.6	5.500	0.806					
	-40/-30	10	7.1	5.377	1.449	9	7.9	5.439	1.128	83.0
2	-30/-20	10	7.0	7.190	1.834					
			7.9	8.141	1.521	10	7.5	7.666	7.678	82.0
3	-20/-10	10	5.5	4.551	1.566					
			5.5	2.432	0.685	10	5.5	3.492	1.126	76.2
4	-10/ 0	10	9.6	5.492	0.655					
			8.4	4.298	0.941	10	9.0	4.895	0.798	85.7
5	0/ 10	10	9.0	17.603	0.192					
			8.5	8.718	0.883	10	8.8	13.161	0.538	94.9
6	10/ 15	5	5.4	12.147	0.853					
			5.5	15.918	2.432	5	5.5	14.033	1.643	90.1
7	15/ 20	5	4.9	18.546	1.312					
			4.8	17.487	2.579	5	4.9	18.017	1.946	90.3
8	20/ 25	5	7.1	28.187	2.595					
			4.8	22.764	2.877	5	6.0	25.476	2.736	90.2
9	25/ 30	5	6.2	36.734	2.185					
			5.0	25.677	14.983	5	5.6	31.206	8.584	78.8
10	30/ 35	5	5.6	38.337	4.473					
			4.5	21.221	3.169	5	5.1	29.779	3.821	88.3
11	35/ 40	5	6.0	39.800	5.350					
			5.1	41.764	8.324	5	5.6	40.782	6.837	85.8
12	40/ 45	5	4.7	41.687	3.980					
			5.2	31.095	6.449	5	5.0	36.391	5.215	87.1
13	45/ 50	5	3.9	43.876	5.061					
			4.7	21.386	5.010	5	4.3	32.631	5.036	85.3
14	50/ 55	5	3.2	36.824	5.600					
			3.9	46.783	0.000	5	3.6	41.804	2.800	93.4
15	55/ 60	5	3.0	22.438	4.787					
			3.2	17.654	5.133	5	3.1	20.046	4.960	79.9
16	60/ 65	5	2.8	13.617	3.819					
			4.5	10.612	3.911	5	3.7	12.115	3.865	75.6
17	65/ 70	5	1.9	7.359	3.308					
			3.6	3.860	1.778	5	2.8	5.610	2.543	68.7
18	70/ 80	10	3.2	0.765	0.867					
			3.3	1.329	0.969	10	3.3	1.047	0.918	52.4
19	80/ 87	7	3.0	2.906	1.094					
			0.0	9.280	1.580	7	1.5	6.093	1.337	79.1
T O T A L						Thickness (cm)	Chl.a (mg m⁻²)	Phaeop.	P Ratio (%)	
						126.0	19.336	3.200	85.8	

Stn. III Date 1.12 Core no. 1/3

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	-48/-30	18	0.3	0.048	0.062	18	0.8	0.059	0.048	55.8
			1.3	0.070	0.033					
2	-30/-20	10	3.1	0.327	0.080	10	3.0	0.430	0.141	76.5
			2.8	0.533	0.201					
3	-20/-10	10	2.2	0.366	0.060	10	2.5	0.361	0.087	80.9
			2.7	0.355	0.113					
4	-10/ 0	10	3.6	1.358	0.221	10	3.9	1.873	0.233	88.3
			4.2	2.388	0.245					
5	0/ 10	10	6.1	10.693	0.000	10	5.4	8.166	0.199	96.7
			4.6	5.639	0.397					
6	10/ 15	5	5.9	9.329	0.000	5	5.6	8.454	0.073	99.1
			5.2	7.579	0.145					
7	15/ 20	5	5.8	13.121	0.000	5	5.4	10.489	0.214	97.4
			5.0	7.856	0.428					
8	20/ 25	5	5.9	16.358	0.220	5	5.4	16.057	0.314	98.1
			4.8	15.755	0.407					
9	25/ 30	5	5.4	18.792	0.113	5	5.1	19.386	0.632	97.0
			4.7	19.979	1.150					
10	30/ 35	5	3.9	16.647	0.382	5	4.2	18.350	0.818	95.9
			4.5	20.053	1.253					
11	35/ 40	5	3.9	21.192	0.347	5	4.4	18.985	0.472	97.5
			4.9	16.778	0.596					
12	40/ 45	5	4.0	19.129	0.969	5	4.3	16.383	0.684	96.2
			4.5	13.636	0.399					
13	45/ 50	5	4.3	18.893	1.033	5	4.0	17.682	1.588	91.7
			3.7	16.470	2.143					
14	50/ 55	5	3.5	12.732	1.935	5	3.5	14.523	2.740	84.5
			3.5	16.314	3.544					
15	55/ 60	5	3.6	19.054	2.252	5	3.3	14.618	2.702	82.9
			2.9	10.182	3.151					
16	60/ 65	5	2.8	10.389	2.432	5	2.8	9.230	2.444	78.9
			2.7	8.071	2.455					
17	65/ 70	5	2.2	5.628	1.940	5	2.2	5.390	2.704	67.1
			2.1	5.152	3.467					
18	70/ 80	10	2.4	1.030	1.549	10	2.6	1.015	1.434	41.5
			2.8	1.000	1.318					
19	80/ 90	10	2.8	9.993	1.323	10	2.9	7.733	1.519	82.2
			3.0	5.472	1.715					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						137.5	10.407	1.131	90.2	

Table 3. Pigment data of ice-melt water from a particular part of two ice cores collected at Stn. V. The average of the two values, the total thickness of an ice core and integrated standing crop for chlorophyll a and phaeopigments were calculated. PSal and PRatio indicate practical salinity scale and pigment ratio, respectively.

Stn. V Date 4.21 Core no. 2/4

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			PRatio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	10.9	0.291	0.337					
			11.1	0.178	0.006	5	11.0	0.235	0.172	71.5
2	5/ 10	5	7.8	0.081	0.119					
			9.0	0.028	0.038	5	8.4	0.055	0.079	41.5
3	10/ 15	5	9.7	0.117	0.116					
			9.1	0.067	0.037	5	9.4	0.092	0.077	57.3
4	15/ 20	5	8.4	0.149	0.080					
			8.7	0.270	0.102	5	8.6	0.210	0.091	68.8
5	20/ 25	5	7.5	0.067	0.132					
			8.2	0.058	0.038	5	7.9	0.063	0.085	47.0
6	25/ 30	5	8.3	0.539	0.209					
			9.1	0.383	0.206	5	8.7	0.461	0.208	68.5
7	30/ 35	5	7.8	0.620	0.327					
			8.6	0.590	0.222	5	8.2	0.605	0.275	69.1
8	35/ 40	5	11.4	41.903	10.704					
			12.0	36.558	9.732	5	11.7	39.231	10.218	79.3
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	PRatio (%)	
						40.0	2.047	0.560	78.5	

Stn. V Date 5.27 Core no. 1/2

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			PRatio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	15.4	1.245	0.422					
			15.5	1.252	0.327	5	15.5	1.249	0.375	77.0
2	5/ 10	5	11.6	1.852	0.660					
			15.5	1.507	0.337	5	13.6	1.680	0.499	77.7
3	10/ 15	5	11.3	4.052	1.110					
			14.1	2.068	0.585	5	12.7	3.060	0.848	78.2
4	15/ 20	5	12.6	7.606	2.293					
			9.7	3.619	1.247	5	11.2	5.613	1.770	75.6
5	20/ 25	5	12.2	10.109	2.685					
			10.2	4.015	1.400	5	11.2	7.062	2.043	76.6
6	25/ 30	5	12.8	13.668	3.578					
			10.4	6.871	1.983	5	11.6	10.270	2.781	78.4
7	30/ 35	5	10.3	10.047	4.131					
			9.3	9.801	3.874	5	9.8	9.924	4.003	71.3
8	35/ 40	5	9.2	15.066	5.944					
			8.2	12.098	4.533	5	8.7	13.582	5.239	72.2
9	40/ 45	5	8.9	13.354	5.097					
			7.9	14.560	5.173	5	8.4	13.957	5.135	73.1
10	45/ 50	5	9.8	8.055	2.181					
			9.5	7.191	2.403	5	9.7	7.623	2.292	76.8
11	50/ 55	5	10.7	51.361	9.245					
			9.2	43.961	7.812	5	10.0	47.661	8.529	84.8
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	PRatio (%)	
						55.0	6.084	1.676	78.4	

Stn. V Date 6.6 Core no. 1/2

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	20.1	1.245	0.351	5	27.3	1.185	0.345	77.5
			34.5	1.125	0.338					
2	5/ 10	5	11.9	1.915	0.539	5	14.2	1.666	0.562	74.4
			16.4	1.416	0.584					
3	10/ 15	5	11.8	2.480	0.691	5	12.2	2.397	1.961	60.0
			12.5	2.314	3.230					
4	15/ 20	5	12.6	4.611	1.262	5	12.7	4.315	1.355	76.0
			12.7	4.019	1.447					
5	20/ 25	5	10.8	6.518	1.910	5	10.4	5.765	1.851	75.5
			10.0	5.012	1.791					
6	25/ 30	5	11.3	8.935	3.186	5	11.1	7.316	2.763	72.3
			10.8	5.696	2.339					
7	30/ 35	5	11.0	12.391	4.602	5	11.2	11.169	4.502	71.1
			11.3	9.947	4.401					
8	35/ 40	5	13.3	13.582	5.138	5	11.2	9.970	3.996	70.8
			9.1	6.357	2.853					
9	40/ 45	5	7.9	8.977	4.220	5	8.3	4.909	2.397	63.7
			8.7	0.840	0.574					
10	45/ 50	5	7.7	0.832	0.557	5	8.4	0.992	0.581	62.7
			9.1	1.152	0.605					
11	50/ 55	5	6.8	5.543	1.462	5	8.2	7.919	1.774	81.1
			9.5	10.295	2.086					
12	55/ 60	5	8.5	20.469	4.522	5	7.8	26.191	4.938	83.8
			7.0	31.912	5.353					
13	60/ 62	2	10.7	9.231	2.123	2	11.5	8.645	2.175	79.8
			12.3	8.059	2.226					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						62.0	4.362	1.395	75.8	

Stn. V Date 6.17 Core no. 1/2

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	19.4	0.855	0.246	5	18.5	1.150	0.216	83.1
			17.6	1.446	0.185					
2	5/ 10	5	10.6	1.935	0.511	5	11.3	2.041	0.378	84.4
			11.9	2.148	0.245					
3	10/ 15	5	10.3	3.487	0.883	5	11.2	3.379	0.578	86.0
			12.0	3.272	0.273					
4	15/ 20	5	11.6	6.481	1.678	5	11.6	6.182	1.095	85.7
			11.5	5.883	0.513					
5	20/ 25	5	12.4	12.877	3.602	5	13.2	12.063	2.427	84.1
			14.0	11.248	1.252					
6	25/ 30	5	12.2	9.390	3.430	5	11.3	12.431	2.840	80.3
			10.3	15.473	2.251					
7	30/ 35	5	10.5	8.750	3.429	5	11.7	15.704	3.312	79.7
			12.9	22.658	3.196					
8	35/ 40	5	9.7	17.846	5.605	5	9.3	19.183	4.492	81.0
			8.8	20.520	3.379					
9	40/ 45	5	11.1	28.461	9.258	5	8.8	28.129	7.211	79.9
			6.4	27.798	5.163					
10	45/ 50	5	10.6	2.417	1.070	5	10.1	1.798	0.705	73.5
			9.5	1.178	0.339					
11	50/ 55	5	9.1	2.591	1.069	5	7.9	2.382	0.788	75.9
			6.7	2.172	0.507					
12	55/ 60	5	7.9	7.192	1.813	5	7.7	6.749	1.187	85.8
			7.5	6.307	0.561					
13	60/ 65	5	9.5	34.638	7.376	5	8.9	39.617	3.839	90.9
			8.3	44.597	0.301					
14	65/ 69	4	16.3	19.741	3.402	4	16.4	33.429	2.169	91.7
			16.5	47.116	0.936					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						69.0	8.878	1.540	85.2	

Stn. V Date 7.4 Core no. 1/2

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	12.9	1.325	0.439	5	14.1	1.340	0.315	81.4
			15.2	1.356	0.191					
2	5/ 10	5	10.6	2.211	0.789	5	11.4	2.526	0.577	81.2
			12.2	2.840	0.365					
3	10/ 15	5	9.1	3.858	1.202	5	9.7	4.344	0.789	84.5
			10.2	4.831	0.377					
4	15/ 20	5	8.7	6.104	2.051	5	9.8	5.145	1.580	77.0
			10.8	4.186	1.108					
5	20/ 25	5	8.1	8.537	2.819	5	9.2	7.843	2.359	77.1
			10.2	7.149	1.899					
6	25/ 30	5	9.1	8.774	3.498	5	9.9	8.357	2.464	78.1
			10.7	7.941	1.429					
7	30/ 35	5	7.1	15.473	7.343	5	8.5	13.731	4.913	75.3
			9.8	11.988	2.483					
8	35/ 40	5	6.4	2.510	1.271	5	7.1	8.494	2.074	74.9
			7.8	14.478	2.876					
9	40/ 45	5	7.7	0.461	0.307	5	7.6	3.303	0.934	69.9
			7.5	6.145	1.561					
10	45/ 50	5	4.8	0.426	0.370	5	5.5	0.464	0.365	55.9
			6.2	0.502	0.360					
11	50/ 55	5	6.5	0.589	0.444	5	6.6	0.659	0.469	58.3
			6.7	0.729	0.495					
12	55/ 60	5	6.0	1.590	0.810	5	6.4	1.749	0.697	71.4
			6.8	1.907	0.584					
13	60/ 65	5	8.2	5.036	1.631	5	8.1	4.548	1.232	79.2
			8.0	4.059	0.834					
14	65/ 70	5	8.2	20.220	3.990	5	8.1	20.291	2.953	87.5
			7.9	20.363	1.916					
15	70/ 76	6	12.1	6.240	1.183	6	11.1	5.113	0.758	88.2
			10.1	3.986	0.333					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						76.0	4.446	1.132	79.7	

Stn. V Date 7.25 Core no. 2/3

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E		Phaeop.	P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)		
1	0/ 5	5	13.9	1.355	0.521	5	13.4	1.007	0.318	78.7
			12.8	0.659	0.114					
2	5/ 10	5	9.8	2.352	0.215	5	9.6	1.935	0.190	90.9
			9.4	1.518	0.165					
3	10/ 15	5	8.7	3.447	0.229	5	9.0	2.549	0.251	89.8
			9.2	1.652	0.273					
4	15/ 20	5	7.5	5.360	0.452	5	8.5	4.543	0.561	88.5
			9.5	3.726	0.671					
5	20/ 25	5	7.1	7.945	0.736	5	8.9	7.444	1.165	86.4
			10.7	6.943	1.595					
6	25/ 30	5	7.0	10.809	0.917	5	8.1	9.898	1.279	88.4
			9.2	8.987	1.641					
7	30/ 35	5	7.6	13.939	1.376	5	7.8	12.472	1.814	87.0
			8.0	11.006	2.252					
8	35/ 40	5	7.5	22.508	1.912	5	7.3	18.983	2.243	88.9
			7.0	15.458	2.574					
9	40/ 50	10	6.3	7.012	2.079	10	6.6	11.205	2.069	82.7
			6.9	15.397	2.059					
10	50/ 60	10	6.2	0.448	0.901	10	6.5	0.541	0.941	36.2
			6.8	0.634	0.981					
11	60/ 65	5	6.9	1.627	1.741	5	7.2	1.117	1.958	35.1
			7.5	0.607	2.176					
12	65/ 70	5	7.5	2.177	2.199	5	8.0	2.860	2.544	52.4
			8.4	3.542	2.889					
13	70/ 75	5	6.9	11.631	1.532	5	6.9	10.287	1.459	87.5
			6.8	8.943	1.386					
14	75/ 80	5	5.9	10.554	0.801	5	6.5	7.192	1.044	83.9
			7.0	3.830	1.287					
15	80/ 83	3	10.0	3.343	0.315	3	10.3	2.179	0.359	81.5
			10.6	1.016	0.403					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						83.0	5.254	1.053	83.3	

Stn. V Date 8.9 Core no. 1/2

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 10	10	10.2	0.983	0.228	10	10.8	1.580	0.303	83.2
			11.4	2.177	0.377					
2	10/ 15	5	10.7	3.543	0.833	5	10.3	2.924	0.706	80.5
			9.9	2.304	0.578					
3	15/ 20	5	10.1	4.689	1.642	5	10.0	4.279	1.426	75.1
			9.9	3.869	1.210					
4	20/ 25	5	10.4	6.017	0.961	5	9.9	6.168	1.687	79.3
			9.3	6.318	2.413					
5	25/ 30	5	7.5	6.219	2.734	5	8.2	7.147	2.958	70.6
			8.8	8.075	3.181					
6	30/ 35	5	5.7	10.667	5.648	5	7.7	11.376	4.479	71.7
			9.6	12.085	4.309					
7	35/ 40	5	8.4	0.743	0.711	5	8.3	7.905	3.165	62.0
			8.2	15.066	5.618					
8	40/ 45	5	6.9	0.297	0.568	5	7.1	2.885	1.765	49.6
			7.3	5.473	2.961					
9	45/ 50	5	6.0	0.211	0.715	5	6.8	0.206	0.568	27.6
			7.6	0.201	0.421					
10	50/ 60	10	8.5	0.416	1.167	10	7.9	0.312	0.849	27.2
			7.3	0.208	0.531					
11	60/ 65	5	9.9	0.833	2.500	5	9.1	0.650	1.842	26.6
			8.3	0.466	1.183					
12	65/ 70	5	8.2	1.257	2.392	5	8.1	1.170	1.539	47.8
			8.0	1.082	0.685					
13	70/ 75	5	6.1	1.619	1.147	5	6.2	1.655	1.038	61.5
			6.3	1.690	0.928					
14	75/ 80	5	7.2	8.671	2.440	5	6.5	7.362	2.033	78.4
			5.7	6.053	1.626					
15	80/ 86	6	11.0	8.752	1.232	6	9.6	10.074	1.585	86.6
			8.2	11.396	1.938					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						86.0	3.480	1.370	71.7	

Stn. V Date 9.2 Core no. 1/3

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 10	10	13.2	0.726	0.147	10	12.8	0.954	0.143	86.3
			12.3	1.181	0.138					
2	10/ 15	5	9.9	2.389	0.617	5	9.4	2.500	0.546	82.0
			8.9	2.610	0.475					
3	15/ 20	5	9.2	2.736	1.244	5	8.9	4.465	1.100	79.7
			8.6	5.194	0.955					
4	20/ 25	5	9.3	5.900	2.205	5	8.7	5.889	1.845	76.3
			8.0	5.877	1.484					
5	25/ 30	5	9.4	9.693	3.379	5	8.7	8.892	2.653	77.5
			7.9	8.091	1.926					
6	30/ 35	5	7.1	21.399	6.978	5	7.1	17.507	5.015	78.5
			7.0	13.615	3.052					
7	35/ 40	5	6.0	18.160	6.840	5	5.3	15.730	4.899	77.2
			4.5	13.299	2.957					
8	40/ 45	5	5.5	1.134	0.680	5	5.3	0.839	0.577	58.0
			5.1	0.544	0.474					
9	45/ 50	5	5.0	0.327	0.574	5	5.1	0.290	0.469	38.6
			5.1	0.252	0.363					
10	50/ 60	10	5.2	0.259	0.899	10	5.0	0.264	0.751	26.6
			4.7	0.269	0.603					
11	60/ 70	10	5.4	0.412	0.722	10	5.7	0.491	1.030	33.1
			6.0	0.570	1.337					
12	70/ 75	5	5.3	1.260	3.683	5	5.2	0.872	2.526	25.8
			5.1	0.484	1.368					
13	75/ 80	5	6.5	1.769	1.146	5	5.9	1.419	0.928	60.4
			5.3	1.068	0.710					
14	80/ 85	5	6.6	5.189	1.444	5	6.7	4.407	0.947	83.6
			6.8	3.624	0.450					
15	85/ 90	5	7.6	15.397	2.039	5	7.7	18.024	1.345	92.6
			7.8	20.650	0.651					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						90.0	4.212	1.335	75.9	

Stn. V Date 9.19 Core no. 1/3

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			PRatio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 10	10	10.7	0.776	0.120	10	10.1	0.617	0.100	85.9
			9.5	0.457	0.079					
2	10/ 15	5	9.1	2.252	0.586	5	8.6	1.678	0.408	81.1
			8.1	1.104	0.229					
3	15/ 20	5	8.4	3.066	1.023	5	8.4	2.603	0.718	79.4
			8.3	2.140	0.412					
4	20/ 25	5	8.8	4.474	1.791	5	8.6	3.705	1.270	75.5
			8.4	2.935	0.749					
5	25/ 30	5	9.3	5.204	1.989	5	8.3	4.429	1.608	73.6
			7.2	3.653	1.227					
6	30/ 35	5	8.9	6.569	2.744	5	7.9	6.788	2.626	72.1
			6.8	7.007	2.507					
7	35/ 40	5	9.3	10.739	3.367	5	7.2	11.001	3.432	76.2
			5.0	11.263	3.496					
8	40/ 50	10	4.7	7.583	3.119	10	5.6	4.000	1.862	55.8
			6.4	0.417	0.604					
9	50/ 60	10	4.7	0.505	0.488	10	5.1	0.402	0.642	39.1
			5.5	0.299	0.795					
10	60/ 70	10	5.7	0.832	1.035	10	5.9	0.791	1.262	39.0
			6.0	0.750	1.489					
11	70/ 75	5	7.0	0.777	0.961	5	6.5	0.976	1.194	44.9
			5.9	1.174	1.426					
12	75/ 80	5	4.0	1.826	1.060	5	4.4	1.902	1.467	57.3
			4.7	1.977	1.874					
13	80/ 85	5	5.7	3.261	1.094	5	5.5	3.161	1.192	72.6
			5.2	3.060	1.289					
14	85/ 90	5	6.5	5.797	1.530	5	6.0	4.240	1.149	78.4
			5.4	2.682	0.767					
15	90/ 93	3	6.5	58.823	11.799	3	3.3	92.117	12.140	87.1
			0.0	125.411	12.480					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	PRatio (%)	
						93.0	5.368	1.504	78.1	

Stn. V Date 10.5 Core no. 1/3

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 10	10	10.0	0.449	0.094	10	11.3	0.370	0.093	79.3
			12.5	0.291	0.093					
2	10/ 15	5	8.8	1.283	0.237	5	10.6	1.322	0.305	81.4
			12.3	1.362	0.374					
3	15/ 20	5	8.4	2.098	0.608	5	9.5	2.539	0.731	77.6
			10.5	2.981	0.854					
4	20/ 25	5	7.9	3.013	0.728	5	8.7	3.671	1.020	78.6
			9.5	4.328	1.313					
5	25/ 30	5	6.7	3.634	0.697	5	8.3	4.232	0.880	82.9
			9.8	4.830	1.062					
6	30/ 35	5	7.3	5.510	0.912	5	7.7	6.099	1.073	85.1
			8.1	6.689	1.234					
7	35/ 40	5	8.1	8.601	1.494	5	6.9	8.691	1.542	84.9
			5.7	8.780	1.590					
8	40/ 45	5	5.4	9.766	1.533	5	4.9	9.131	1.910	82.6
			4.3	8.495	2.287					
9	45/ 50	5	4.8	1.439	0.476	5	4.9	1.104	0.545	65.4
			4.9	0.768	0.615					
10	50/ 60	10	4.3	0.596	0.205	10	4.3	0.466	0.221	66.5
			4.2	0.335	0.236					
11	60/ 70	10	5.1	1.316	0.441	10	5.1	1.140	0.429	72.3
			5.1	0.964	0.417					
12	70/ 80	10	4.7	1.038	0.412	10	4.6	0.982	0.518	65.7
			4.4	0.925	0.624					
13	80/ 85	5	5.1	0.749	0.356	5	5.1	0.887	0.377	70.5
			5.1	1.024	0.465					
14	85/ 90	5	5.7	1.165	0.356	5	5.6	1.572	0.484	76.5
			5.5	1.978	0.613					
15	90/ 92	2	6.1	113.914	16.888	2	5.9	156.461	21.321	87.8
			5.6	199.008	25.754					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						92.0	5.387	0.996	84.4	

Stn. V Date 10.17 Core no. 1/3

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			PRatio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 10	10	13.5	0.449	0.081	10	12.0	0.450	0.075	85.8
			10.4	0.452	0.069					
2	10/ 15	5	10.2	1.557	0.252	5	9.1	1.744	0.226	88.4
			7.9	1.930	0.200					
3	15/ 20	5	8.5	2.267	0.726	5	8.2	2.837	0.796	77.7
			7.8	3.407	0.862					
4	20/ 25	5	8.1	1.589	0.829	5	7.9	2.964	0.951	72.9
			7.6	4.339	1.073					
5	25/ 30	5	9.8	1.681	0.450	5	8.7	2.769	0.696	79.6
			7.5	3.858	0.942					
6	30/ 35	5	10.3	3.613	0.729	5	8.4	5.125	1.084	82.7
			6.4	6.636	1.440					
7	35/ 40	5	6.9	4.280	1.073	5	6.1	3.525	0.932	78.9
			5.2	2.771	0.791					
8	40/ 45	5	5.7	0.517	0.250	5	5.1	0.666	0.285	69.6
			4.4	0.815	0.319					
9	45/ 50	5	6.2	0.216	0.127	5	6.0	0.470	0.129	73.9
			5.7	0.724	0.130					
10	50/ 60	10	5.1	0.289	0.120	10	4.9	0.594	0.078	83.4
			4.6	0.900	0.036					
11	60/ 70	10	6.1	1.435	0.337	10	6.1	1.376	0.329	80.7
			6.1	1.316	0.320					
12	70/ 80	10	4.7	0.492	0.253	10	4.7	0.537	0.504	54.8
			4.7	0.582	0.755					
13	80/ 85	5	6.1	0.414	0.256	5	5.7	0.472	0.308	60.7
			5.2	0.530	0.359					
14	85/ 90	5	6.5	33.728	14.693	5	6.1	67.205	21.631	73.8
			5.6	100.682	28.570					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	PRatio (%)	
						90.0	4.685	1.450	76.4	

Stn. V Date 10.27 Core no. 1/3

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	PRatio (%)
1	0/ 10	10	10.8	0.378	0.316	10	10.6	0.759	0.264	69.4
			10.3	1.139	0.213					
2	10/ 15	5	10.0	0.698	0.243	5	9.4	0.871	0.259	76.7
			8.8	1.044	0.275					
3	15/ 20	5	9.1	2.083	0.362	5	9.0	1.862	0.286	86.9
			8.9	1.641	0.211					
4	20/ 25	5	9.4	2.031	0.453	5	9.1	1.849	0.362	83.9
			8.8	1.666	0.272					
5	25/ 30	5	8.2	2.683	0.787	5	8.3	2.140	0.482	83.7
			8.4	1.597	0.176					
6	30/ 35	5	7.9	3.005	1.166	5	8.1	3.305	0.735	82.1
			8.3	3.604	0.305					
7	35/ 40	5	7.7	2.392	0.654	5	7.6	4.171	0.740	83.2
			7.5	5.949	0.825					
8	40/ 45	5	6.7	0.437	0.133	5	5.5	0.985	0.395	73.3
			4.3	1.533	0.656					
9	45/ 50	5	7.5	0.526	0.144	5	6.4	0.496	0.154	76.3
			5.3	0.466	0.163					
10	50/ 60	10	5.1	0.633	0.127	10	4.6	0.607	0.166	78.6
			4.0	0.582	0.205					
11	60/ 70	10	4.5	1.021	0.190	10	5.5	1.635	0.403	81.4
			6.4	2.249	0.615					
12	70/ 80	10	3.1	0.232	0.146	10	4.3	0.341	0.261	57.9
			5.4	0.449	0.375					
13	80/ 85	5	3.8	0.606	0.171	5	4.5	0.637	0.225	74.3
			5.2	0.668	0.280					
14	85/ 90	5	5.0	48.034	27.282	5	5.9	111.268	23.459	76.8
			6.7	174.503	19.637					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	PRatio (%)	
						90.0	6.713	1.464	82.1	

Stn. V Date 11.10 Core no. 1/3

Part NO.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 10	10	12.3	0.099	0.108	10	11.1	0.143	0.136	50.4
			9.9	0.186	0.164					
2	10/ 15	5	8.2	0.204	0.182	5	8.6	0.260	0.182	58.1
			9.0	0.315	0.183					
3	15/ 20	5	8.5	0.308	0.226	5	8.4	0.526	0.236	66.4
			8.3	0.745	0.246					
4	20/ 25	5	8.5	0.566	0.304	5	8.3	0.653	0.266	70.8
			8.0	0.740	0.227					
5	25/ 30	5	8.3	1.284	0.421	5	8.3	1.411	0.628	84.2
			8.3	1.537	0.384					
6	30/ 35	5	9.2	4.299	0.774	5	8.0	3.385	0.628	84.2
			6.7	2.472	0.483					
7	35/ 40	5	5.4	4.467	0.882	5	5.4	3.940	0.901	81.1
			5.4	3.412	0.921					
8	40/ 45	5	4.5	0.467	0.185	5	4.3	1.748	0.488	75.4
			4.0	3.029	0.791					
9	45/ 50	5	4.2	0.362	0.104	5	3.9	0.453	0.117	79.2
			3.5	0.544	0.130					
10	50/ 60	10	3.8	0.536	0.102	10	3.6	0.504	0.070	88.3
			3.3	0.472	0.038					
11	60/ 70	10	4.8	1.804	0.232	10	4.4	1.760	0.146	92.6
			4.0	1.716	0.060					
12	70/ 80	10	3.5	1.492	0.160	10	3.7	1.584	0.115	93.2
			3.9	1.675	0.070					
13	80/ 85	5	4.5	1.303	0.140	5	4.3	1.740	0.151	91.7
			4.0	2.176	0.162					
14	85/ 90	5	4.3	3.658	0.295	5	4.4	4.779	0.289	94.0
			4.4	5.901	0.282					
15	90/ 92	2	7.6	2067.770	7.344	2	7.8	1909.390	43.425	97.7
			7.9	1751.000	79.507					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						92.0	39.532	1.098	97.3	

Stn. V Date 11.22 Core no. 1/3

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 10	10	9.7	1.291	0.502	10	9.7	1.388	0.419	76.8
			9.7	1.485	0.337					
2	10/ 20	10	10.0	2.679	0.452	10	9.1	2.728	0.334	89.2
			8.1	2.777	0.216					
3	20/ 30	10	8.5	4.090	0.523	10	8.7	4.483	0.543	89.2
			8.8	4.875	0.536					
4	30/ 35	5	7.3	4.950	0.575	5	5.8	10.926	1.224	89.9
			9.1	5.525	0.536					
5	35/ 40	5	6.1	11.586	1.133	5	5.8	10.926	1.224	89.9
			5.5	10.266	1.315					
6	40/ 45	5	4.3	12.143	1.917	5	3.9	8.466	1.564	83.1
			3.5	4.780	1.211					
7	45/ 50	5	3.7	2.544	0.778	5	4.1	1.583	0.469	78.1
			4.5	0.622	0.160					
8	50/ 60	10	4.0	1.065	0.206	10	4.0	0.950	0.178	84.3
			3.9	0.834	0.150					
9	60/ 70	10	4.5	2.779	0.299	10	5.0	2.849	0.282	91.0
			5.4	2.919	0.265					
10	70/ 80	10	4.5	1.211	0.636	10	4.3	2.457	0.391	80.9
			4.1	3.702	0.146					
11	80/ 85	5	4.3	4.014	0.723	5	4.7	9.074	0.361	92.4
			5.0	14.135	0.000					
12	85/ 89	4	5.3	414.313	0.000	4	5.5	474.668	0.000	100.0
			5.6	535.023	0.000					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						89.0	22.237	0.423	98.1	

Stn. V Date 12.8 Core no. 1/3

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 10	10	11.8	3.975	0.419	10	10.9	3.599	0.326	91.9
			10.0	3.222	0.233					
2	10/ 20	10	8.5	2.734	0.314	10	7.8	2.403	0.249	90.8
			7.0	2.073	0.185					
3	20/ 30	10	7.3	4.926	0.220	10	6.5	5.422	0.341	94.2
			5.7	5.917	0.462					
4	30/ 35	5	7.9	16.165	0.317	5	6.8	8.521	0.308	86.4
			5.6	0.878	0.298					
5	35/ 40	5	6.9	11.679	3.027	5	5.7	6.230	1.654	76.4
			4.5	0.780	0.282					
6	40/ 45	5	4.3	1.724	0.707	5	4.5	1.384	0.424	79.5
			4.6	1.045	0.141					
7	45/ 50	5	4.9	0.494	0.212	5	4.7	0.588	0.158	78.4
			4.4	0.683	0.103					
8	50/ 60	10	3.4	0.527	0.130	10	3.4	0.762	0.114	85.6
			3.4	0.997	0.098					
9	60/ 70	10	4.6	1.462	0.300	10	4.4	2.191	0.195	90.0
			4.1	2.919	0.090					
10	70/ 80	10	3.7	3.148	0.241	10	3.6	2.910	0.200	93.6
			3.5	2.673	0.159					
11	80/ 85	5	3.8	10.711	0.000	5	4.0	9.214	0.051	99.3
			4.1	7.716	0.102					
12	85/ 90	5	4.2	29.679	0.000	5	4.1	23.426	0.000	100.0
			3.9	17.173	0.000					
13	90/ 92	2	3.3	940.218	0.000	2	3.5	670.394	10.889	97.4
			3.7	400.570	21.778					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						92.0	17.605	0.490	97.3	

Stn. V Date 12.21 Core no. 1/3

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	-3/ 0	3	7.8	0.839	0.038					
2	0/ 10	10	11.6 7.9	15.952 1.816	1.303 0.000	3	9.7	8.396	0.670	94.0
3	10/ 20	10	10.6 6.8	4.380 1.315	0.716 0.095	10	9.3	3.098	0.358	93.0
4	20/ 30	10	8.6 7.4	3.884 3.057	0.538 0.000	10	7.7	2.599	0.316	90.5
5	30/ 35	5	8.6 6.6	2.641 3.538	0.311 0.144	10	8.0	2.849	0.155	94.7
6	35/ 40	5	8.4 5.9	8.091 5.128	0.326 1.060	5	7.5	5.815	0.235	96.1
7	40/ 50	10	7.0 3.4	13.779 1.947	0.000 0.663	5	6.5	9.454	0.530	91.4
8	50/ 60	10	5.2 4.1	0.225 3.260	0.054 0.320	10	4.3	1.086	0.358	77.7
9	60/ 70	10	3.8 3.8	1.720 6.208	0.135 0.000	10	4.0	2.490	0.228	91.9
10	70/ 80	10	4.0 4.5	1.876 11.840	0.249 0.000	10	3.9	4.042	0.124	94.1
11	80/ 85	5	3.5 3.1	3.373 18.555	0.346 0.000	10	4.0	7.606	0.173	95.3
12	85/ 90	5	3.3 4.3	17.320 59.912	0.000 0.000	5	3.2	17.937	0.000	100.0
13	90/ 92	2	4.9 4.8	47.685 240.025	0.000 18.912	5	4.6	53.798	0.000	100.0
T O T A L						Thickness (cm)		Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)
						95.0		10.830	0.419	96.3

Stn. V Date 1.2 Core no. 1/3

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	-3/ 0	3	0.3	0.107	0.000					
2	0/ 10	10	1.2 2.4	0.286 0.301	0.068 0.006	3	0.8	0.196	0.034	90.4
3	10/ 20	10	3.2 5.2	0.479 1.040	0.064 0.000	10	2.8	0.390	0.035	93.1
4	20/ 30	10	4.5 5.3	0.931 0.812	0.260 0.000	10	4.9	0.986	0.130	89.1
5	30/ 35	5	5.8 4.2	1.178 1.333	0.231 0.140	10	5.6	0.995	0.116	91.8
6	35/ 40	5	4.5 4.2	2.704 1.332	0.169 0.027	5	4.4	2.018	0.155	92.3
7	40/ 50	10	4.5 4.7	2.704 0.483	0.169 0.056	5	4.4	2.018	0.155	92.3
8	50/ 60	10	4.5 3.5	0.438 0.291	0.086 0.041	10	4.6	0.461	0.071	86.6
9	60/ 70	10	3.5 3.5	0.422 1.081	0.076 0.041	10	3.5	0.356	0.058	86.3
10	70/ 80	10	4.0 2.8	1.456 1.015	0.063 0.051	10	3.8	1.268	0.052	96.1
11	80/ 85	5	3.8 3.1	1.953 3.878	0.298 0.073	10	3.3	1.484	0.174	91.0
12	85/ 90	5	3.6 4.3	4.096 5.594	0.420 0.768	5	3.4	3.987	0.246	94.4
	85/ 92	2	4.0	26.038	6.064	4	4.2	15.816	3.416	84.5
T O T A L						Thickness (cm)		Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)
						92.0		1.920	0.207	90.3

Stn. V Date 1.12 Core no. 1/3

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	-8/ -5	3	2.0	0.118	0.005					
2	-7/ -5	2	1.2	0.288	0.074	3	1.6	0.203	0.039	87.9
	-5/ 0	5	1.9	0.117	0.000	3	1.0	0.058	0.000	100.0
3	0/ 10	10	4.0	0.223	0.039					
4	10/ 20	10	2.4	0.051	0.011	10	3.2	0.137	0.025	83.8
			4.4	0.273	0.030					
5	20/ 25	5	5.0	0.362	0.051	10	4.7	0.318	0.040	88.9
			4.6	0.324	0.007					
6	25/ 30	5	5.8	0.723	0.013	5	5.2	0.524	0.010	98.1
			4.5	1.855	0.016					
7	30/ 40	10	4.8	2.358	0.000	5	4.7	2.107	0.008	99.6
			3.3	1.064	0.018					
8	40/ 50	10	3.8	2.676	0.131	10	3.6	1.870	0.074	96.9
			3.0	0.419	0.024					
9	50/ 60	10	3.0	0.318	0.047	10	3.0	0.369	0.036	90.8
			3.6	0.817	0.037					
10	60/ 65	5	3.6	0.693	0.075	10	3.6	0.755	0.056	92.9
			3.2	1.094	0.158					
11	65/ 68	3	2.6	1.481	0.086	5	2.9	1.287	0.122	90.9
			5.2	10.985	4.950	3	5.0	9.634	3.597	73.8
			4.7	8.283	2.243					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						*	.	.	.	

Table 4. Pigment data of ice-melt water from a particular part of two ice cores collected at Stn. X. The average of the two values, the total thickness of an ice core and integrated standing crop for chlorophyll a and phaeopigments were calculated. PSal and PRatio indicate practical salinity scale and pigment ratio, respectively.

Stn. X Date 3.25 Core no. 2/4

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			PRatio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 10	10	1.0	0.007	0.052	10	1.0	0.022	0.058	24.1
			1.0	0.037	0.064					
2	10/ 20	10	1.0	0.025	0.060	10	1.0	0.020	0.056	26.6
			1.0	0.016	0.051					
3	20/ 30	10	2.0	0.055	0.096	10	2.5	0.059	0.103	36.3
			3.0	0.063	0.110					
4	30/ 42	12	8.0	3.578	2.121	12	8.5	2.924	2.053	58.1
			9.0	2.271	1.985					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	PRatio (%)	
						42.0	0.361	0.268	57.4	

Stn. X Date 4.2 Core no. 1/4

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			PRatio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 10	10	1.0	0.027	0.084	10	0.9	0.024	0.066	27.2
			0.8	0.021	0.048					
2	10/ 20	10	1.7	0.012	0.055	10	1.8	0.013	0.045	23.2
			1.8	0.014	0.036					
3	20/ 30	10	3.1	0.043	0.109	10	3.1	0.049	0.106	31.6
			3.1	0.055	0.103					
4	30/ 35	5	7.0	0.288	0.670	5	7.2	0.266	0.614	30.3
			7.4	0.245	0.558					
5	35/ 40	5	8.1	2.218	1.729	5	7.8	1.991	1.825	52.0
			7.5	1.763	1.921					
6	40/ 44	4	15.1	8.617	2.222	4	14.9	6.781	2.047	76.0
			14.6	4.944	1.871					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	PRatio (%)	
						44.0	0.393	0.226	63.5	

Stn. X Date 4.11 Core no. 2/4

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 20	20	2.8	0.024	0.042	20	2.4	0.023	0.039	37.3
			2.0	0.022	0.036					
2	20/ 30	10	2.9	0.015	0.072	10	2.8	0.022	0.064	25.4
			2.6	0.029	0.056					
3	30/ 35	5	6.6	0.172	0.348	5	7.0	0.181	0.316	36.6
			7.4	0.190	0.284					
4	35/ 40	5	8.9	2.192	1.456	5	9.6	2.556	1.690	60.2
			10.2	2.919	1.923					
5	40/ 45	5	9.7	2.254	1.012	5	9.4	2.462	0.970	71.6
			9.1	2.669	0.928					
6	45/ 52	7	10.1	8.361	2.034	7	10.3	8.926	1.871	82.6
			10.5	9.492	1.708					

T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)
						52.0	0.892	0.294	75.2

Stn. X Date 4.16 Core no. 2/3

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 20	20	1.9	0.072	0.066	20	2.2	0.118	0.064	62.4
			2.4	0.164	0.062					
2	20/ 30	10	3.0	0.077	0.109	10	3.0	0.112	0.108	49.8
			2.9	0.147	0.106					
3	30/ 35	5	6.8	0.188	0.148	5	7.0	0.215	0.129	62.3
			7.2	0.242	0.110					
4	35/ 40	5	8.5	3.548	1.605	5	7.9	2.911	1.388	67.4
			7.2	2.275	1.170					
5	40/ 45	5	8.6	2.189	1.107	5	8.0	1.986	1.022	66.0
			7.3	1.783	0.938					
6	45/ 50	5	7.2	1.383	0.742	5	7.8	1.579	0.908	63.7
			8.3	1.775	1.075					
7	50/ 55	5	10.0	29.385	18.143	5	10.7	38.773	16.860	68.7
			11.3	48.160	15.576					
8	55/ 56	1	16.6	143.341	8.659	1	17.2	175.518	7.784	95.5
			17.8	207.694	6.909					

T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)
						56.0	4.063	1.117	78.4

Stn. X Date 4.23 Core no. 1/4

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 20	20	1.5	0.032	0.029	20	1.8	0.084	0.029	67.4
			2.1	0.137	0.028					
2	20/ 30	10	3.0	0.119	0.068	10	3.0	0.130	0.070	65.0
			2.9	0.141	0.072					
3	30/ 35	5	7.6	0.275	0.186	5	7.6	0.270	0.168	61.7
			7.6	0.264	0.150					
4	35/ 40	5	7.6	2.771	0.933	5	8.0	2.850	1.097	72.4
			8.4	2.929	1.262					
5	40/ 45	5	8.3	2.412	0.642	5	8.8	2.486	0.775	76.4
			9.3	2.560	0.908					
6	45/ 50	5	8.1	0.715	0.372	5	8.2	0.755	0.445	63.2
			8.3	0.794	0.518					
7	50/ 55	5	9.0	3.170	1.213	5	8.8	3.458	1.383	71.5
			8.5	3.746	1.553					
8	55/ 58	3	10.6	41.870	19.161	3	10.6	44.287	18.102	70.9
			10.6	46.704	17.042					
9	58/ 60	2	16.0	158.423	37.768	2	15.1	236.792	48.938	82.4
			14.2	315.160	60.108					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						60.0	6.585	1.728	79.2	

Stn. X Date 5.27 Core no. 2/3

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	13.8	2.341	0.511	5	14.0	1.853	0.442	80.3
			14.2	1.366	0.372					
2	5/ 10	5	11.8	3.390	0.815	5	12.7	3.169	0.828	79.2
			13.6	2.948	0.841					
3	10/ 15	5	10.3	10.687	3.369	5	11.5	8.376	2.726	75.2
			12.7	6.066	2.083					
4	15/ 20	5	9.3	1.738	1.270	5	10.9	10.567	5.366	62.5
			12.4	19.395	9.461					
5	20/ 25	5	9.1	0.353	0.485	5	10.1	18.973	10.393	53.5
			11.1	37.594	20.301					
6	25/ 30	5	9.7	0.481	0.901	5	10.0	0.792	0.965	43.2
			10.2	1.102	1.030					
7	30/ 35	5	9.0	0.400	1.034	5	10.1	0.530	1.113	31.8
			11.2	0.661	1.192					
8	35/ 40	5	8.4	0.465	1.405	5	9.1	0.537	1.286	29.6
			9.7	0.608	1.167					
9	40/ 45	5	8.0	0.765	0.693	5	8.4	1.192	0.854	57.0
			8.7	1.618	1.014					
10	45/ 50	5	8.6	17.479	3.800	5	8.7	31.601	8.421	80.0
			8.7	45.722	13.041					
11	50/ 52	2	14.2	8.579	1.851	2	16.7	13.461	2.865	82.4
			19.1	18.343	3.879					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						52.0	4.149	1.677	71.2	

Stn. X Date 6.8 Core no. 1/2

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	15.3	1.607	0.408					
			13.0	1.000	0.370	5	14.2	1.303	0.389	76.4
2	5/ 10	5	14.8	1.649	0.531					
			11.9	2.210	0.573	5	13.4	1.929	0.552	77.5
3	10/ 15	5	11.6	7.820	3.442					
			9.9	2.777	0.781	5	10.8	5.299	2.111	73.7
4	15/ 20	5	10.7	0.659	1.237					
			9.8	6.531	2.471	5	10.3	3.595	1.854	53.7
5	20/ 25	5	10.0	0.550	1.056					
			10.0	25.977	12.638	5	10.0	13.264	6.847	50.8
6	25/ 30	5	9.8	0.541	1.185					
			9.7	3.672	2.328	5	9.8	2.107	1.756	46.3
7	30/ 35	5	9.1	0.416	1.251					
			9.3	0.598	0.675	5	9.2	0.507	0.963	36.0
8	35/ 40	5	9.3	0.311	0.592					
			8.8	0.527	0.475	5	9.1	0.419	0.533	43.5
9	40/ 45	5	9.2	0.311	0.389					
			8.7	0.459	0.489	5	9.0	0.385	0.439	46.4
10	45/ 50	5	8.3	0.908	0.566					
			7.6	0.859	0.494	5	8.0	0.884	0.530	62.6
11	50/ 55	5	8.9	8.055	1.545					
			8.4	7.744	2.760	5	8.7	7.900	2.152	78.8
12	55/ 60	5	9.9	37.781	6.904					
			8.9	38.869	6.570	5	9.4	38.325	6.737	85.0
13	60/ 62	2	20.8	4.349	1.323					
			19.5	17.272	3.698	2	20.2	10.810	2.510	79.5
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						62.0	4.012	1.293	75.6	

Stn. X Date 6.19 Core no. 1/2

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	11.1	1.426	0.323					
			11.1	1.898	0.188	5	11.1	1.662	0.255	86.3
2	5/ 10	5	9.6	2.850	0.896					
			9.7	6.362	1.547	5	9.7	4.606	1.221	78.3
3	10/ 15	5	9.3	8.278	4.217					
			8.5	4.348	1.620	5	8.9	6.313	2.919	69.6
4	15/ 20	5	12.0	2.482	1.565					
			10.9	0.326	0.327	5	11.5	0.404	0.946	55.6
5	20/ 25	5	11.3	0.553	0.615					
			8.5	0.568	0.381	5	9.9	0.561	0.498	53.6
6	25/ 30	5	11.7	0.485	0.794					
			8.6	0.609	0.610	5	10.2	0.547	0.702	43.9
7	30/ 35	5	12.6	0.322	0.438					
			7.6	0.350	0.355	5	10.1	0.336	0.396	46.0
8	35/ 40	5	11.0	0.369	0.410					
			6.6	0.349	0.318	5	8.8	0.359	0.364	49.8
9	40/ 45	5	10.5	0.373	0.297					
			6.4	0.336	0.286	5	8.5	0.355	0.292	54.8
10	45/ 50	5	9.5	0.556	0.550					
			5.8	0.431	0.343	5	7.7	0.493	0.446	53.0
11	50/ 55	5	8.3	1.981	0.881					
			5.8	1.381	0.316	5	7.1	1.681	0.599	75.3
12	55/ 60	5	9.9	10.976	1.907					
			6.7	8.106	0.000	5	8.3	9.541	0.953	92.6
13	60/ 65	5	8.4	10.739	3.831					
			7.0	25.990	0.279	5	7.7	23.364	2.055	91.7
14	65/ 69	4	11.2	18.304	3.125					
			10.0	15.349	0.000	4	10.6	16.826	1.562	92.7
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						69.0	3.234	0.645	83.4	

Stn. X Date 7.8 Core no. 1/2

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	20.0	1.134	0.295					
			11.7	1.012	0.105	5	15.9	1.073	0.200	85.0
2	5/ 10	5	15.5	1.634	0.445					
			11.5	1.424	0.286	5	13.5	1.529	0.365	80.9
3	10/ 15	5	10.4	3.919	1.511					
			10.7	2.566	0.682	5	10.6	3.243	1.096	75.6
4	15/ 20	5	9.6	7.425	4.034					
			8.8	12.614	5.477	5	9.2	10.019	4.756	67.3
5	20/ 25	5	13.0	0.636	1.368					
			7.6	0.382	0.529	5	10.3	0.509	0.948	36.8
6	25/ 30	5	10.8	0.654	1.276					
			9.2	0.438	0.915	5	10.0	0.546	1.095	33.1
7	30/ 40	10	9.6	0.479	0.995					
			8.8	0.440	0.418	10	9.2	0.459	0.707	41.9
8	40/ 45	5	8.0	0.299	0.336					
			7.4	0.254	0.398	5	7.7	0.277	0.367	43.0
9	45/ 50	5	7.8	0.367	0.409					
			6.7	0.251	0.225	5	7.3	0.309	0.317	50.0
10	50/ 55	5	6.9	0.454	0.475					
			5.8	0.372	0.353	5	6.4	0.413	0.414	50.1
11	55/ 60	5	7.2	0.646	0.619					
			6.4	0.465	0.381	5	6.8	0.555	0.500	53.0
12	60/ 65	5	6.9	1.442	0.825					
			6.9	0.776	0.357	5	6.9	1.109	0.591	66.0
13	65/ 70	5	7.0	5.989	1.635					
			6.7	4.379	0.043	5	6.9	5.184	0.839	88.8
14	70/ 75	5	6.4	14.603	2.923					
			6.2	13.579	1.136	5	6.3	14.091	2.029	87.8
15	75/ 83	8	8.8	13.101	3.601					
			9.1	11.419	1.174	8	9.0	12.260	2.387	84.6
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						83.0	2.970	0.938	76.0	

Stn. X Date 7.24 Core no. 1/2

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	14.2	1.381	0.440	5	12.2	1.100	0.336	76.9
			10.2	0.819	0.232					
2	5/ 10	5	13.1	2.127	0.735	5	11.4	1.996	0.646	75.7
			9.7	1.865	0.556					
3	10/ 15	5	11.4	3.466	1.318	5	10.2	5.361	1.962	73.0
			9.0	7.256	2.606					
4	15/ 20	5	11.8	13.790	6.311	5	9.8	7.121	3.593	51.3
			7.7	0.452	0.874					
5	20/ 30	10	10.5	1.172	1.377	10	9.0	0.743	1.097	36.9
			7.4	0.315	0.817					
6	30/ 40	10	8.2	0.439	0.881	10	7.6	0.346	0.811	29.4
			7.0	0.254	0.742					
7	40/ 45	5	7.4	0.279	0.477	5	6.8	0.252	0.409	38.4
			6.1	0.226	0.341					
8	45/ 50	5	5.8	0.215	0.397	5	6.1	0.211	0.380	35.7
			6.3	0.207	0.363					
9	50/ 60	10	6.0	0.233	0.380	10	6.2	0.203	0.327	38.3
			6.3	0.173	0.274					
10	60/ 65	5	7.5	0.277	0.475	5	6.6	0.298	0.348	47.9
			5.6	0.320	0.222					
11	65/ 70	5	7.1	0.637	0.730	5	6.3	0.627	0.492	58.7
			5.4	0.616	0.255					
12	70/ 75	5	7.3	3.044	1.239	5	6.5	2.364	0.793	77.0
			5.7	1.684	0.347					
13	75/ 80	5	6.9	9.456	1.986	5	6.4	7.443	2.145	76.4
			5.8	5.429	2.303					
14	80/ 85	5	7.2	16.916	3.982	5	6.8	16.872	5.102	77.0
			6.3	16.829	6.221					
15	85/ 90	5	11.5	9.399	1.574	5	11.8	9.815	1.257	88.6
			12.0	10.231	0.941					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						90.0	2.802	1.097	71.9	

Stn. X Date 8.7 Core no. 1/2

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	14.2	0.421	0.134					
			13.0	0.630	0.132	5	13.6	0.526	0.133	79.3
2	5/ 10	5	12.6	0.922	0.236					
			12.0	1.042	0.263	5	12.3	0.982	0.250	79.7
3	10/ 15	5	9.3	2.294	0.666					
			10.1	2.262	0.804	5	9.7	2.278	0.735	75.6
4	15/ 20	5	8.6	6.139	3.081					
			8.8	10.136	5.624	5	8.7	8.138	4.353	65.5
5	20/ 30	10	8.6	0.227	0.311					
			8.5	0.337	0.285	10	8.6	0.282	0.298	48.2
6	30/ 40	10	7.2	0.212	0.255					
			7.8	0.141	0.204	10	7.5	0.177	0.230	43.1
7	40/ 50	10	6.8	0.161	0.193					
			5.8	0.194	0.184	10	6.3	0.177	0.189	48.4
8	50/ 60	10	5.6	0.148	0.185					
			6.3	0.130	0.199	10	6.0	0.139	0.192	41.9
9	60/ 70	10	6.0	0.273	0.372					
			6.0	0.202	0.292	10	6.0	0.238	0.332	41.6
10	70/ 75	5	6.4	0.326	0.814					
			5.8	0.354	0.643	5	6.1	0.340	0.728	32.1
11	75/ 80	5	5.5	1.072	1.542					
			6.3	0.584	0.921	5	5.9	0.828	1.231	39.9
12	80/ 85	5	6.1	1.855	1.531					
			6.8	0.667	0.884	5	6.5	1.261	1.207	48.9
13	85/ 90	5	6.0	2.480	1.493					
			8.1	1.032	0.693	5	7.1	1.756	1.093	61.1
14	90/ 95	5	8.1	8.499	2.822					
			8.7	7.968	1.776	5	8.4	8.233	2.299	78.4
15	95/100	5	11.8	8.463	1.857					
			11.8	10.784	1.624	5	11.8	9.623	1.740	84.5
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						100.0	1.800	0.813	68.9	

Stn. X Date 8.21 Core no. 1/3

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			PRatio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	12.6	0.157	0.039	5	11.5	0.165	0.047	78.0
			10.4	0.173	0.054					
2	5/ 10	5	13.7	0.463	0.098	5	12.5	0.364	0.100	77.3
			11.3	0.266	0.103					
3	10/ 15	5	12.3	1.307	0.463	5	11.7	1.024	0.316	77.7
			11.1	0.740	0.168					
4	15/ 20	5	9.9	3.216	2.153	5	10.2	3.741	2.092	63.8
			10.4	4.267	2.153					
5	20/ 25	5	9.4	0.198	0.254	5	8.9	0.302	0.322	47.4
			8.3	0.406	0.391					
6	25/ 30	5	9.1	0.220	0.453	5	8.2	0.297	0.366	45.0
			7.3	0.374	0.279					
7	30/ 40	10	9.4	0.189	0.514	10	8.1	0.156	0.386	29.5
			6.8	0.123	0.258					
8	40/ 50	10	8.2	0.131	0.224	10	7.1	0.126	0.191	40.3
			5.9	0.122	0.157					
9	50/ 60	10	6.5	0.165	0.294	10	6.0	0.132	0.240	35.4
			5.4	0.099	0.185					
10	60/ 70	10	7.3	0.184	0.595	10	6.4	0.154	0.433	27.5
			5.5	0.124	0.272					
11	70/ 75	5	6.9	0.493	1.191	5	6.6	0.387	0.814	34.3
			6.2	0.282	0.437					
12	75/ 80	5	7.4	0.691	1.046	5	6.7	0.597	0.777	44.8
			6.0	0.504	0.508					
13	80/ 85	5	6.3	0.489	0.961	5	6.0	0.427	0.772	36.1
			5.6	0.365	0.583					
14	85/ 90	5	5.7	0.395	1.133	5	5.6	0.374	0.951	28.7
			5.5	0.353	0.769					
15	90/ 95	5	6.1	0.474	1.274	5	6.1	0.376	1.187	23.7
			6.1	0.278	1.100					
16	95/100	5	5.8	0.738	1.585	5	6.0	0.588	1.645	26.1
			6.2	0.438	1.705					
17	100/105	5	5.6	2.963	1.780	5	6.2	2.260	1.820	54.0
			6.8	1.557	1.860					
18	105/111	6	10.6	57.035	5.187	6	10.6	43.451	4.254	90.8
			10.5	29.866	3.320					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	PRatio (%)	
						111.0	3.209	0.941	77.3	

Stn. X Date 8.31 Core no. 1/3

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	10.6 10.3	0.220 0.117	0.088 0.080	5	10.5	0.169	0.084	65.4
2	5/ 10	5	11.2 9.8	0.194 0.153	0.140 0.167	5	10.5	0.173	0.153	53.0
3	10/ 15	5	10.6 10.0	0.538 0.505	0.214 0.269	5	10.3	0.522	0.242	68.4
4	15/ 20	5	10.9 10.0	2.360 2.306	1.626 1.668	5	10.5	2.333	1.647	58.6
5	20/ 30	10	7.7 10.1	0.118 3.245	0.084 2.032	10	8.9	1.681	1.058	60.0
6	30/ 40	10	6.3 7.4	0.064 0.150	0.118 0.308	10	6.9	0.107	0.213	34.0
7	40/ 50	10	5.3 5.6	0.084 0.075	0.118 0.187	10	5.5	0.079	0.153	35.0
8	50/ 60	10	5.4 5.1	0.051 0.038	0.126 0.243	10	5.3	0.044	0.185	21.1
9	60/ 70	10	5.1 5.3	0.050 0.091	0.149 0.393	10	5.2	0.071	0.271	22.0
10	70/ 80	10	5.7 5.7	0.200 0.415	0.281 0.414	10	5.7	0.307	0.347	45.8
11	80/ 90	10	5.7 5.5	0.423 0.482	0.398 0.796	10	5.6	0.453	0.597	44.6
12	90/ 95	5	5.6 5.4	0.388 0.549	0.640 1.037	5	5.5	0.469	0.838	36.2
13	95/100	5	3.7 5.5	0.707 0.494	1.011 1.330	5	4.6	0.601	1.170	34.1
14	100/ 105	5	8.0 6.1	1.337 1.118	0.956 1.288	5	7.1	1.227	1.122	52.4
15	105/110	5	9.2 6.7	1.948 1.904	1.033 1.254	5	8.0	1.926	1.143	62.8
16	110/112	2	16.2 14.6	208.838 266.965	19.866 0.000	2	15.4	237.901	9.933	95.7
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						112.0	5.403	0.801	87.1	

Stn. X Date 9.8 Core no. 1/3

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	10.2	0.048	0.031	5	10.6	0.095	0.074	57.8
			11.0	0.142	0.116					
2	5/ 10	5	10.2	0.040	0.071	5	10.7	0.081	0.073	48.9
			11.1	0.122	0.076					
3	10/ 15	5	10.2	0.084	0.124	5	10.9	0.133	0.116	51.5
			11.5	0.183	0.109					
4	15/ 20	5	10.0	0.408	0.398	5	9.9	0.368	0.358	50.7
			9.7	0.328	0.319					
5	20/ 25	5	9.6	0.038	0.032	5	8.7	0.060	0.048	55.5
			7.7	0.083	0.064					
6	25/ 30	5	9.5	0.056	0.015	5	9.8	0.177	0.062	75.9
			10.0	0.299	0.110					
7	30/ 40	10	7.3	0.017	0.072	10	6.7	0.019	0.059	25.4
			6.0	0.021	0.045					
8	40/ 50	10	6.8	0.030	0.058	10	5.9	0.038	0.044	47.2
			4.9	0.047	0.031					
9	50/ 60	10	4.9	0.020	0.063	10	5.2	0.533	0.049	60.5
			5.5	1.047	0.034					
10	60/ 70	10	5.3	0.055	0.067	10	5.3	0.201	0.054	67.2
			5.3	0.348	0.041					
11	70/ 80	10	6.8	0.563	0.131	10	5.9	0.470	0.134	77.3
			5.0	0.378	0.137					
12	80/ 90	10	5.0	0.758	0.199	10	5.2	0.662	0.099	89.6
			5.3	0.565	0.000					
13	90/ 95	5	5.6	0.612	0.192	5	6.2	0.532	0.184	74.1
			6.7	0.451	0.176					
14	95/100	5	6.1	0.767	0.421	5	5.5	0.535	0.359	57.6
			4.8	0.303	0.296					
15	100/105	5	5.2	0.695	0.433	5	5.4	0.556	0.414	56.5
			5.5	0.417	0.396					
16	105/110	5	5.9	1.013	0.587	5	7.2	0.595	0.368	58.7
			8.4	0.177	0.150					
17	110/113	3	12.4	184.214	28.749	3	13.9	244.933	22.042	90.9
			15.4	305.653	15.335					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						113.0	7.697	0.808	90.5	

Stn. X Date 9.17 Core no. 1/3

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			PRatio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	9.6	0.101	0.117	5	10.5	0.203	0.086	65.4
			11.4	0.305	0.056					
2	5/ 10	5	9.8	0.170	0.190	5	10.6	0.388	0.134	67.9
			11.3	0.605	0.078					
3	10/ 15	5	10.7	0.163	0.298	5	10.0	0.252	0.235	51.0
			9.2	0.341	0.171					
4	15/ 20	5	9.2	0.334	0.635	5	9.4	0.348	0.516	41.1
			9.6	0.363	0.398					
5	20/ 25	5	9.3	0.110	0.175	5	9.1	0.210	0.262	42.7
			8.9	0.310	0.349					
6	25/ 30	5	9.2	0.065	0.180	5	8.7	0.378	0.177	53.2
			8.1	0.692	0.174					
7	30/ 40	10	8.1	0.054	0.067	10	7.7	0.049	0.061	44.5
			7.2	0.044	0.056					
8	40/ 50	10	6.2	0.060	0.116	10	5.9	0.062	0.089	42.6
			5.5	0.063	0.061					
9	50/ 60	10	6.0	0.100	0.119	10	5.8	0.083	0.104	44.3
			5.5	0.067	0.088					
10	60/ 70	10	7.0	0.180	0.174	10	6.6	0.192	0.111	66.1
			6.1	0.205	0.047					
11	70/ 80	10	6.6	1.903	0.515	10	6.3	1.139	0.342	73.9
			5.9	0.376	0.168					
12	80/ 90	10	6.4	1.412	0.449	10	6.1	2.061	0.496	79.6
			5.8	2.710	0.543					
13	90/100	10	7.2	1.424	0.426	10	6.4	1.315	0.428	75.3
			5.5	1.205	0.431					
14	100/105	5	5.7	1.252	0.603	5	5.3	1.274	0.663	65.9
			4.9	1.296	0.722					
15	105/110	5	5.5	0.980	0.695	5	5.4	1.745	0.561	72.0
			5.3	2.509	0.427					
16	110/115	5	11.2	135.614	33.684	5	10.9	109.844	30.809	77.6
			10.6	84.073	27.934					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	PRatio (%)	
						115.0	6.222	1.835	77.2	

Stn. X Date 9.26 Core no. 1/3

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	10.0	0.221	0.101	5	10.6	0.160	0.091	61.9
			11.2	0.098	0.080					
2	5/ 10	5	10.6	0.293	0.093	5	10.5	0.209	0.094	66.5
			10.3	0.125	0.094					
3	10/ 15	5	11.1	0.128	0.064	5	10.4	0.108	0.089	55.1
			9.6	0.088	0.113					
4	15/ 20	5	10.9	0.279	0.060	5	10.8	0.224	0.103	68.0
			10.6	0.168	0.145					
5	20/ 25	5	12.0	0.093	0.095	5	10.4	0.105	0.174	40.5
			8.7	0.116	0.252					
6	25/ 30	5	14.4	0.120	0.150	5	11.1	0.091	0.130	40.4
			7.8	0.063	0.110					
7	30/ 40	10	10.5	0.330	0.309	10	8.9	0.178	0.185	40.4
			7.3	0.025	0.062					
8	40/ 50	10	7.7	0.119	0.046	10	6.9	0.080	0.045	60.2
			6.0	0.040	0.043					
9	50/ 60	10	6.0	0.096	0.115	10	5.9	0.093	0.108	46.4
			5.7	0.090	0.100					
10	60/ 70	10	7.1	0.207	0.102	10	6.8	1.182	0.245	75.8
			6.5	2.156	0.388					
11	70/ 80	10	7.2	0.297	0.126	10	6.8	0.965	0.193	78.2
			6.3	1.633	0.259					
12	80/ 90	10	7.5	2.962	0.161	10	6.5	2.146	0.168	91.6
			5.4	1.331	0.175					
13	90/100	10	7.0	2.381	0.289	10	6.1	1.778	0.220	88.9
			5.1	1.175	0.152					
14	100/105	5	6.0	1.267	0.297	5	5.3	1.371	0.253	84.3
			4.5	1.475	0.209					
15	105/110	5	5.7	0.996	0.150	5	5.2	1.082	0.175	86.2
			4.6	1.168	0.200					
16	110/116	6	9.4	29.976	5.690	6	9.1	69.972	8.278	87.5
			8.7	109.968	10.866					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						116.0	5.008	0.668	88.2	

Stn. X Date 10.6 Core no. 1/3

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	9.4	0.383	0.103	5	9.2	0.257	0.090	71.0
			9.0	0.131	0.076					
2	5/ 10	5	9.5	0.075	0.032	5	9.1	0.104	0.058	65.8
			8.7	0.133	0.084					
3	10/ 15	5	9.0	0.068	0.114	5	8.8	0.088	0.089	49.9
			8.6	0.109	0.065					
4	15/ 20	5	7.5	0.045	0.049	5	7.3	0.115	0.090	53.3
			7.0	0.185	0.131					
5	20/ 25	5	7.6	0.023	0.016	5	7.5	0.331	0.035	75.8
			7.3	0.639	0.054					
6	25/ 30	5	7.6	0.084	0.024	5	7.0	0.750	0.142	81.1
			6.4	1.416	0.260					
7	30/ 40	10	6.0	0.272	0.104	10	6.0	0.209	0.063	79.9
			5.9	0.145	0.021					
8	40/ 50	10	4.9	0.103	0.055	10	5.1	0.929	0.057	81.1
			5.3	1.754	0.059					
9	50/ 60	10	5.4	0.198	0.047	10	5.1	0.137	0.039	76.1
			4.8	0.076	0.031					
10	60/ 70	10	5.8	10.892	0.365	10	5.2	5.505	0.198	87.9
			4.6	0.119	0.031					
11	70/ 80	10	5.6	3.567	0.129	10	5.3	1.865	0.078	91.2
			4.9	0.164	0.027					
12	80/ 90	10	5.5	2.811	0.201	10	5.5	2.499	0.287	89.4
			5.4	2.187	0.373					
13	90/100	10	5.7	1.505	0.139	10	5.3	1.638	0.198	89.4
			4.9	1.771	0.258					
14	100/105	5	3.6	0.984	0.155	5	3.6	1.266	0.186	87.1
			3.5	1.549	0.217					
15	105/110	5	4.9	0.776	0.209	5	5.2	1.431	0.207	84.9
			5.4	2.086	0.205					
16	110/116	6	8.3	460.295	46.255	6	8.3	323.000	37.945	88.6
			8.3	185.705	29.634					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						116.0	20.875	2.413	89.6	

Stn. X Date 10.17 Core no. 1/3

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	10.9	0.136	0.011	5	11.0	0.136	0.045	77.7
			11.0	0.135	0.079					
2	5/ 10	5	11.3	0.103	0.024	5	11.0	0.127	0.125	60.7
			10.7	0.152	0.227					
3	10/ 15	5	10.5	0.114	0.015	5	10.4	0.089	0.058	63.6
			10.3	0.064	0.101					
4	15/ 20	5	10.8	0.550	0.018	5	9.9	0.317	0.092	65.2
			9.0	0.084	0.167					
5	20/ 30	10	8.1	0.032	0.057	10	7.8	0.080	0.049	55.9
			7.4	0.128	0.042					
6	30/ 40	10	6.4	0.050	0.022	10	6.5	0.035	0.017	65.7
			6.5	0.020	0.012					
7	40/ 50	10	5.3	0.023	0.025	10	5.3	0.036	0.024	58.0
			5.3	0.049	0.024					
8	50/ 60	10	5.4	0.123	0.052	10	5.0	0.286	0.084	74.8
			4.6	0.450	0.116					
9	60/ 70	10	5.2	0.137	0.093	10	4.9	0.143	0.067	68.9
			4.6	0.148	0.041					
10	70/ 80	10	5.0	0.138	0.104	10	4.8	0.171	0.063	73.7
			4.6	0.204	0.022					
11	80/ 90	10	5.3	0.424	0.952	10	5.1	0.351	0.500	58.1
			4.9	0.279	0.048					
12	90/100	10	5.0	0.430	0.111	10	5.1	0.706	0.075	87.8
			5.2	0.982	0.038					
13	100/105	5	4.1	0.355	0.064	5	4.1	0.343	0.086	80.1
			4.1	0.330	0.108					
14	105/110	5	5.4	0.845	0.097	5	4.9	1.073	0.072	93.1
			4.3	1.301	0.047					
15	110/115	5	7.2	13.044	2.612	5	7.4	10.979	1.532	89.2
			7.6	8.914	0.452					
16	115/116	1	19.7	1368.040	931.961	1	17.9	1130.380	499.350	76.3
			16.1	892.721	66.739					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						116.0	12.138	5.182	70.1	

Stn. X Date 10.24 Core no. 1/3

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 5	5	7.3	0.064	0.036	5	8.4	0.214	0.048	75.0
			9.5	0.363	0.060					
2	5/ 10	5	8.1	0.067	0.054	5	9.2	0.177	0.114	58.9
			10.3	0.286	0.174					
3	10/ 15	5	8.1	0.047	0.029	5	9.1	0.215	0.063	70.7
			10.0	0.384	0.098					
4	15/ 20	5	7.8	0.046	0.022	5	7.9	0.918	0.105	79.3
			7.9	1.791	0.188					
5	20/ 30	10	8.1	0.051	0.013	10	8.0	0.047	0.014	77.6
			7.8	0.044	0.014					
6	30/ 40	10	7.1	0.119	0.053	10	7.2	0.127	0.045	73.9
			7.2	0.135	0.037					
7	40/ 50	10	5.7	0.137	0.026	10	5.9	0.143	0.025	84.9
			6.1	0.149	0.024					
8	50/ 60	10	5.6	0.118	0.048	10	5.6	0.135	0.044	75.1
			5.6	0.152	0.040					
9	60/ 70	10	5.2	0.145	0.029	10	5.3	0.177	0.039	82.1
			5.4	0.208	0.050					
10	70/ 80	10	5.0	0.338	0.064	10	5.6	0.413	0.087	82.8
			6.2	0.488	0.110					
11	80/ 90	10	5.0	0.917	0.112	10	5.5	0.999	0.145	87.5
			5.9	1.082	0.177					
12	90/100	10	3.1	0.930	0.157	10	4.4	1.983	0.137	90.9
			5.7	3.036	0.116					
13	100/105	5	3.7	1.137	0.105	5	4.3	1.169	0.081	93.5
			4.8	1.200	0.056					
14	105/110	5	4.7	2.786	0.717	5	4.5	1.915	0.426	84.0
			4.2	1.044	0.135					
15	110/115	5	5.8	6.269	0.151	5	6.0	4.625	0.191	95.2
			6.1	2.982	0.231					
16	115/118	3	9.7	287.252	337.420	3	10.1	271.447	268.567	51.1
			10.4	255.642	199.715					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						118.0	9.008	8.162	52.5	

Stn. X Date 11.2 Core no. 1/3

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			PRatio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 10	10	12.5	0.097	0.019	10	13.3	0.090	0.027	76.9
			14.0	0.082	0.036					
2	10/ 15	5	12.6	0.067	0.048	5	12.7	0.089	0.079	54.2
			12.7	0.111	0.110					
3	15/ 20	5	10.2	0.027	0.040	5	9.3	0.120	0.035	63.9
			8.3	0.213	0.030					
4	20/ 30	10	8.7	0.080	0.025	10	8.7	0.165	0.028	82.7
			8.7	0.249	0.030					
5	30/ 40	10	8.2	0.075	0.010	10	8.3	0.157	0.035	84.3
			8.4	0.238	0.060					
6	40/ 50	10	6.9	0.161	0.037	10	6.8	0.759	0.035	89.5
			6.6	1.357	0.033					
7	50/ 60	10	5.4	0.262	0.042	10	5.9	0.752	0.033	92.1
			6.4	1.243	0.024					
8	60/ 70	10	6.4	0.215	0.036	10	6.6	0.778	0.032	91.8
			6.8	1.340	0.027					
9	70/ 80	10	7.9	1.318	0.000	10	7.4	6.878	0.000	100.0
			6.8	12.438	0.000					
10	80/ 90	10	6.0	1.154	0.000	10	6.2	4.865	0.006	99.9
			6.4	8.575	0.013					
11	90/100	10	5.8	0.939	0.035	10	5.9	5.634	0.017	98.2
			5.9	10.328	0.000					
12	100/105	5	4.5	1.155	0.002	5	4.8	3.398	0.001	99.9
			5.1	5.641	0.000					
13	105/110	5	4.9	2.321	0.021	5	4.7	3.929	0.011	99.5
			4.4	5.538	0.000					
14	110/115	5	6.2	2.580	0.218	5	6.4	7.811	0.109	96.1
			6.5	13.043	0.000					
15	115/117	2	10.7	90.626	19.850	2	10.8	540.528	186.139	77.9
			10.8	990.430	352.427					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	PRatio (%)	
						117.0	13.586	3.756	78.3	

Stn. X Date 11.18 Core no. 1/3

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			PRatio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 10	10	7.2	0.271	0.066	10	8.3	0.221	0.079	72.7
			9.3	0.172	0.092					
2	10/ 15	5	9.3	0.373	0.127	5	8.8	0.259	0.096	72.0
			8.2	0.145	0.064					
3	15/ 20	5	7.2	0.366	0.103	5	7.5	0.281	0.085	76.3
			7.8	0.196	0.067					
4	20/ 30	10	7.0	1.038	0.164	10	7.5	0.600	0.100	84.0
			7.9	0.162	0.036					
5	30/ 40	10	5.9	0.223	0.056	10	3.0	0.240	0.045	84.1
			0.0	0.258	0.034					
6	40/ 50	10	5.4	0.355	0.045	10	2.7	0.517	0.086	86.4
			0.0	0.680	0.127					
7	50/ 60	10	4.3	0.095	0.029	10	2.2	0.743	0.070	84.7
			0.0	1.392	0.112					
8	60/ 70	10	5.0	0.371	0.072	10	2.5	0.867	0.094	87.9
			0.0	1.363	0.117					
9	70/ 80	10	4.6	1.563	0.179	10	2.3	1.568	0.154	91.1
			0.0	1.573	0.128					
10	80/ 90	10	5.0	2.665	0.125	10	2.5	2.397	0.130	94.8
			0.0	2.128	0.134					
11	90/100	10	5.4	2.258	0.118	10	5.3	2.305	0.141	94.3
			5.1	2.352	0.163					
12	100/110	10	3.8	3.413	0.023	10	4.0	4.117	0.012	99.7
			4.1	4.822	0.000					
13	110/115	5	5.0	23.983	3.723	5	5.4	13.587	1.949	90.7
			5.8	3.192	0.175					
14	115/117	2	8.2	119.918	105.749	2	8.9	187.105	62.715	73.0
			9.6	254.293	19.680					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	PRatio (%)	
						117.0	5.806	1.452	80.0	

Stn. X Date 11.28 Core no. 1/3

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 10	10	7.2	0.210	0.044					
			8.2	0.404	0.047	10	7.7	0.307	0.046	86.1
2	10/ 15	5	8.2	0.563	0.172					
			9.7	0.294	0.056	5	9.0	0.428	0.114	80.3
3	15/ 20	5	6.9	0.083	0.040					
			7.8	0.188	0.068	5	7.4	0.136	0.054	70.4
4	20/ 30	10	5.2	0.032	0.011					
			7.9	0.263	0.063	10	6.6	0.148	0.037	77.9
5	30/ 40	10	6.8	0.058	0.037					
			6.8	0.170	0.055	10	6.8	0.114	0.046	68.3
6	40/ 50	10	6.5	0.253	0.064					
			4.7	0.258	0.110	10	5.6	0.256	0.087	75.0
7	50/ 60	10	4.0	0.146	0.036					
			4.8	0.211	0.030	10	4.4	0.178	0.033	83.9
8	60/ 70	10	4.7	0.143	0.036					
			4.2	0.165	0.034	10	4.5	0.154	0.035	81.2
9	70/ 80	10	5.2	0.146	0.030					
			3.7	2.321	0.141	10	4.5	1.234	0.086	88.6
10	80/ 90	10	5.0	0.428	0.067					
			3.4	1.821	0.079	10	4.2	1.125	0.073	91.2
11	90/100	10	5.0	0.487	0.069					
			3.3	2.534	0.136	10	4.2	1.510	0.103	91.2
12	100/110	10	3.9	2.048	0.060					
			3.1	5.075	0.337	10	3.5	3.561	0.198	95.5
13	110/115	5	4.9	10.316	0.000					
			5.1	6.706	0.098	5	5.0	8.511	0.049	99.3
14	115/118	3	8.3	55.993	3.729					
			7.3	107.614	19.371	3	7.8	81.803	11.550	89.3
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						118.0	3.766	0.432	89.7	

Stn. X Date 12.18 Core no. 1/3

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			PRatio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	0/ 10	10	5.4	0.166	0.056	10	5.3	0.128	0.049	71.7
			5.1	0.090	0.041					
2	10/ 15	5	5.7	0.108	0.046	5	5.9	0.146	0.039	77.7
			6.0	0.183	0.032					
3	15/ 20	5	7.1	0.310	0.056	5	6.8	0.268	0.052	83.6
			6.4	0.225	0.048					
4	20/ 30	10	6.5	0.400	0.000	10	5.2	0.280	0.033	85.4
			3.8	0.159	0.066					
5	30/ 40	10	6.1	0.469	0.023	10	5.2	0.329	0.057	81.5
			4.3	0.188	0.090					
6	40/ 50	10	5.0	0.559	0.021	10	4.9	0.412	0.062	84.2
			4.8	0.266	0.104					
7	50/ 60	10	4.5	0.153	0.036	10	4.4	0.140	0.046	75.1
			4.2	0.127	0.057					
8	60/ 70	10	3.9	0.188	0.413	10	3.9	0.140	0.220	54.1
			3.9	0.091	0.027					
9	70/ 80	10	3.7	0.248	0.234	10	3.8	0.218	0.137	67.0
			3.8	0.187	0.040					
10	80/ 90	10	3.6	0.365	0.086	10	3.8	0.323	0.120	72.7
			4.0	0.280	0.154					
11	90/100	10	3.4	0.914	0.341	10	3.8	0.814	0.758	55.3
			4.2	0.714	1.175					
12	100/110	10	3.3	1.649	0.274	10	3.4	2.072	0.189	90.9
			3.5	2.496	0.104					
13	110/115	5	4.7	5.820	0.000	5	5.0	14.423	0.000	100.0
			5.2	23.026	0.000					
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	PRatio (%)	
						115.0	1.227	0.172	87.7	

Stn. X Date 1.5 Core no. 1/3

Part No.	Depth (cm)	Thick (cm)	P.Sal.	Chl.a	Phaeop.	Thick (cm)	A V E R A G E			P Ratio (%)
							PSal.	Chl.a (mg m ⁻³)	Phaeop.	
1	5/ 10	5	0.7 0.4	0.066 0.234	0.005 0.239	5	0.6	0.150	0.122	71.2
2	10/ 15	5	0.9 1.8	0.031 0.234	0.000 0.054	5	1.4	0.133	0.027	90.6
3										
4	30/ 40	10	2.7 3.5	0.171 0.208	0.002 0.072	10	3.1	0.190	0.037	86.7
5	40/ 50	10	2.8 3.5	0.213 0.295	0.019 0.032	10	3.2	0.254	0.026	91.0
6	50/ 60	10	2.9 3.6	0.189 0.214	0.001 0.056	10	3.3	0.201	0.029	89.2
7	60/ 70	10	3.0 3.1	0.202 0.152	0.004 0.033	10	3.1	0.177	0.018	90.1
8	70/ 80	10	3.3 3.2	0.147 0.170	0.007 0.025	10	3.3	0.158	0.016	91.2
9	80/ 90	10	3.6 2.6	0.381 0.222	0.000 0.018	10	3.1	0.302	0.009	96.3
10	90/100	10	3.2 2.8	0.409 0.571	0.026 0.130	10	3.0	0.490	0.078	87.7
11	100/105	5	2.8 3.2	1.217 0.968	0.000 1.621	5	3.0	1.092	0.811	68.7
12	105/110	5	3.4 3.7	9.728 5.770	0.000 1.698	5	3.6	7.749	0.849	88.6
T O T A L						Thickness (cm)	Chl.a (mg m ⁻²)	Phaeop.	P Ratio (%)	
						93.5	0.637	0.112	85.1	