

**Table 3.** Trophic Categories Defined With Respect to the Chlorophyll *a* Concentration Within the Surface Layer,  $[Chla]_{surf}$ , and the Associated Parameters<sup>a</sup>

	Stratified Waters									Mixed Waters				
	S1	S2	S3	S4	S5	S6	S7	S8	S9	M1	M2	M3	M4	M5
$[Chla]_{surf}$ range, mg m <sup>-3</sup>	<0.04 <sup>b</sup>	0.04–0.08	0.08–0.12	0.12–0.2	0.2–0.3	0.3–0.4	0.4–0.8	0.8–2.2	2.2–4 <sup>c</sup>	<0.4 <sup>d</sup>	0.4–0.8	0.8–1	1–4	>4 <sup>e</sup>
Number of profiles	109	268	269	320	287	180	260	110	18	155	153	53	182	55
Average $[Chla]_{surf}$ mg m <sup>-3</sup>	0.032	0.062	0.098	0.158	0.244	0.347	0.540	1.235	2.953	0.244	0.592	0.885	1.881	6.320
(0.005) (0.012)	(0.012)	(0.023)	(0.030)	(0.028)	(0.106)	(0.403)	(0.520)	(0.092)	(0.112)	(0.051)	(0.753)	(2.916)		
Average $\overline{Chla}_{Z_{50}}$ , mg m <sup>-3</sup>	0.0910	0.151	0.185	0.250	0.338	0.410	0.578	1.206	2.950	0.280	0.591	0.872	2.059	7.574
(0.025) (0.067)	(0.088)	(0.144)	(0.152)	(0.153)	(0.229)	(0.526)	(1.191)	(0.130)	(0.175)	(0.189)	(0.996)	(3.700)		
Average $(Chla)_{Z_{50}}$ mg m <sup>-2</sup>	10.54	14.15	15.98	18.79	22.09	24.70	29.72	44.05	71.98	19.90	30.27	37.57	58.64	120.00
(1.84) (3.31)	(3.29)	(4.08)	(4.99)	(4.64)	(5.88)	(10.46)	(15.28)	(4.70)	(4.73)	(4.44)	(15.30)	(26.75)		
Average $(Chla)_{1.5 Z_{50}}$ mg m <sup>-2</sup>	18.27	22.13	24.74	27.19	29.42	31.83	38.22	58.18	101.33	28.46	40.22	51.49	85.42	178.37
(3.97) (5.18)	(6.35)	(8.29)	(8.58)	(8.76)	(9.57)	(19.9)	(26.59)	(7.52)	(8.17)	(8.13)	(26.80)	(44.55)		
Average $Z_{eqs}$ , m	119.1	99.9	91.0	80.2	70.3	63.4	54.4	39.8	26.1	77.1	53.2	44.0	31.5	16.9
(12.2) (15.4)	(11.8)	(12.6)	(11.9)	(9.3)	(8.2)	(8.0)	(4.5)	(14.3)	(6.8)	(4.6)	(6.8)	(2.4)		

<sup>a</sup>These parameters are derived from the calculations involving the complete database 1 and are presented as averages and standard deviations (the latter shown in parentheses).

<sup>b</sup>Minimum value 0.015 mg m<sup>-3</sup>.

<sup>c</sup>Maximum value 3.97 mg m<sup>-3</sup>.

<sup>d</sup>Minimum value 0.047 mg m<sup>-3</sup>.

<sup>e</sup>Maximum value 23.9 mg m<sup>-3</sup>.