Appendix A

Supporting Data

2008 SBOO Stations

Oceanographic Conditions

Appendix A.1

Summary of temperature, salinity, density, dissolved oxygen, pH, transmissivity, and chlorophyll *a* at all SBOO stations during 2008. Values are expressed as averages over the entire water column for each month; data are organized by depth contour, with stations listed north to south.

		Temperature (°C)											
Contour	**Station**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**
9-m	I37	13.3	13.1	13.1	13.1	14.3	11.4	14.9	15.2	15.8	15.0	16.0	16.7
	I38	13.2	13.4	14.2	13.5	16.1	11.6	16.3	16.5	16.9	16.3	15.8	16.6
	I36	13.0	13.2	14.4	14.0	16.8	13.7	16.6	16.5	17.3	17.2	16.1	16.5
	I32	13.3	13.2	12.8	12.6	16.0	12.1	17.1	17.5	17.1	16.9	15.4	16.7
	I26	13.4	13.4	13.5	12.1	14.8	13.4	16.5	18.2	17.2	15.8	17.3	16.5
	I25	13.5	13.0	13.5	12.9	15.8	15.0	16.1	18.3	16.8	16.0	17.4	16.4
	I24	13.6	13.0	13.3	12.9	16.0	14.7	15.1	17.3	16.5	15.0	17.4	16.1
	I40	13.6	12.9	12.7	11.9	15.2	15.4	15.3	16.7	16.3	15.2	17.4	15.8
	I19	13.7	12.8	12.5	11.5	14.4	15.4	15.3	16.8	16.4	15.5	17.2	15.6
	I11	13.5	13.1	12.5	11.5	15.9	14.3	13.9	16.2	15.7	14.5	15.9	15.8
19-m	I34	13.0	13.1	12.1	11.7	12.7	10.7	14.9	14.4	15.4	14.9	15.6	15.8
	I35	13.2	12.8	12.6	12.1	13.9	11.3	15.2	15.0	15.7	15.0	15.3	16.3
	I31	12.9	12.8	12.4	12.3	13.3	11.2	15.0	14.9	16.0	14.9	14.7	16.1
	I39	13.4	12.7	11.9	11.7	14.9	12.7	13.5	14.9	16.0	15.4	16.8	15.5
	I23	13.5	13.0	12.4	11.6	14.6	14.4	14.2	16.9	15.5	14.3	16.9	15.9
	I18	13.4	12.8	12.3	11.8	14.9	12.9	14.4	14.9	15.2	14.4	16.9	15.5
	I10	13.4	13.0	12.1	11.5	14.4	12.8	14.2	15.4	15.5	15.2	15.6	15.6
	I5	13.5	13.3	12.0	10.9	15.9	13.3	13.1	17.3	16.0	15.0	16.0	15.7
	I4	13.4	13.0	11.9	10.8	13.9	12.8	12.9	15.1	15.3	14.9	15.5	15.3
28-m	I33	12.8	13.0	11.7	11.6	12.0	10.4	13.5	14.8	14.7	14.6	14.9	15.3
	I30	12.6	12.9	11.8	11.4	12.5	11.4	14.2	14.3	15.0	13.9	14.8	14.9
	I27	12.9	12.6	11.7	11.1	13.5	11.6	13.4	16.1	14.9	14.0	16.6	15.0
	I22	13.4	12.8	12.0	11.3	13.8	12.3	13.0	15.0	15.1	13.9	16.7	14.7
	I14	13.4	12.7	12.0	11.3	13.6	12.0	13.6	15.0	14.8	14.3	16.5	15.0
	I17	13.4	12.8	11.7	11.5	13.7	12.1	13.7	15.6	15.3	14.3	16.5	15.2
	I16	13.3	12.6	11.5	11.2	13.7	11.9	13.5	15.0	14.9	14.3	16.4	15.1
	I15	13.1	12.7	11.8	11.2	13.6	11.2	13.3	14.6	14.7	14.2	16.4	14.8
	I12	13.4	12.6	11.9	11.2	13.3	11.8	13.5	14.6	15.1	14.1	16.2	14.9
	I9	12.9	12.6	12.3	11.2	13.2	11.7	13.3	14.2	15.0	14.3	15.2	14.5
	I6	13.2	12.9	11.9	11.1	13.4	12.1	13.3	14.6	15.6	15.0	15.4	15.4
	I3	13.3	13.0	11.9	11.0	13.3	11.8	13.3	14.4	15.1	15.3	15.4	15.2
	I2	12.4	12.8	12.1	11.4	13.5	11.9	13.2	14.3	15.2	15.0	15.7	14.6
38-m	I29	12.9	12.8	11.5	11.1	12.2	10.8	13.3	14.1	14.9	13.4	14.8	14.3
	I21	12.5	12.4	11.0	11.6	12.9	10.8	12.6	13.1	14.8	15.6	14.6	14.6
	I13	12.6	12.8	11.7	11.6	12.8	11.0	12.8	13.5	14.6	14.4	14.8	14.7
	I8	12.6	12.9	11.8	11.1	12.9	11.1	13.1	13.4	14.9	14.4	15.1	14.6
55-m	I28	12.0	12.1	11.3	10.9	11.5	10.5	12.1	13.3	14.2	14.1	14.7	14.0
	I20	11.9	12.5	11.2	11.0	12.2	10.7	12.2	12.6	13.4	13.9	14.6	14.5
	I7	12.1	12.9	11.5	11.4	12.5	10.5	12.4	13.9	13.7	13.8	15.1	14.8
	I1	12.5	12.4	11.4	11.6	12.7	10.6	12.3	14.0	14.5	14.3	15.6	14.9

Appendix A.1 *continued*

		Salinity (ppt)											
Contour	**Station**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**
9-m	I37	33.43	33.46	33.53	33.75	33.87	33.84	33.61	33.51	33.43	33.31	33.39	33.32
	I38	33.48	33.43	33.54	33.75	33.90	33.75	33.62	33.50	33.44	33.32	33.37	33.33
	I36	33.50	33.47	33.53	33.75	33.93	33.75	33.61	33.52	33.45	33.38	33.36	33.33
	I32	33.49	33.50	33.57	33.80	33.88	33.79	33.63	33.53	33.45	33.37	33.37	33.32
	I26	33.45	33.43	33.55	33.81	33.87	33.82	33.63	33.56	33.46	33.33	33.33	33.34
	I25	33.45	33.39	33.55	33.80	33.83	33.76	33.63	33.55	33.43	33.34	33.34	33.34
	I24	33.44	33.46	33.59	33.80	33.81	33.78	33.61	33.56	33.43	33.30	33.36	33.37
	I40	33.44	33.51	33.61	33.82	33.82	33.77	33.63	33.53	33.44	33.30	33.37	33.37
	I19	33.43	33.54	33.58	33.84	33.81	33.75	33.62	33.54	33.39	33.32	33.36	33.38
	I11	33.48	33.47	33.61	33.85	33.83	33.77	33.62	33.54	33.38	33.29	33.36	33.37
19-m	I34	33.50	33.47	33.60	33.78	33.84	33.86	33.63	33.45	33.42	33.33	33.38	33.36
	I35	33.48	33.50	33.59	33.78	33.86	33.84	33.61	33.46	33.41	33.31	33.38	33.34
	I31	33.52	33.51	33.59	33.81	33.82	33.83	33.61	33.43	33.42	33.31	33.39	33.35
	I39	33.47	33.52	33.62	33.85	33.83	33.80	33.62	33.47	33.43	33.33	33.35	33.37
	I23	33.47	33.41	33.61	33.84	33.84	33.76	33.61	33.52	33.43	33.30	33.37	33.36
	I18	33.47	33.44	33.63	33.84	33.83	33.79	33.61	33.46	33.43	33.30	33.38	33.37
	I10	33.46	33.50	33.64	33.81	33.81	33.79	33.63	33.47	33.37	33.32	33.35	33.38
	I5	33.46	33.45	33.66	33.89	33.82	33.76	33.63	33.52	33.33	33.26	33.35	33.38
	I4	33.47	33.49	33.65	33.85	33.83	33.79	33.62	33.46	33.34	33.29	33.35	33.38
28-m	I33	33.52	33.49	33.65	33.81	33.80	33.90	33.60	33.47	33.41	33.32	33.40	33.37
	I30	33.55	33.50	33.62	33.82	33.86	33.84	33.61	33.42	33.39	33.30	33.38	33.37
	I27	33.50	33.50	33.64	33.81	33.84	33.81	33.62	33.48	33.44	33.29	33.34	33.37
	I22	33.44	33.50	33.62	33.79	33.84	33.80	33.61	33.45	33.43	33.29	33.37	33.35
	I14	33.44	33.49	33.61	33.79	33.84	33.81	33.60	33.44	33.43	33.30	33.36	33.35
	I17	33.46	33.48	33.65	33.80	33.85	33.81	33.60	33.45	33.44	33.32	33.36	33.36
	I16	33.46	33.50	33.65	33.80	33.83	33.81	33.59	33.44	33.42	33.30	33.35	33.35
	I15	33.47	33.50	33.63	33.77	33.83	33.82	33.59	33.45	33.43	33.30	33.34	33.36
	I12	33.44	33.49	33.62	33.80	33.84	33.82	33.58	33.45	33.43	33.27	33.33	33.33
	I9	33.50	33.53	33.63	33.76	33.80	33.80	33.60	33.43	33.41	33.29	33.36	33.37
	I6	33.49	33.50	33.64	33.78	33.79	33.79	33.61	33.45	33.39	33.31	33.35	33.37
	I3	33.48	33.49	33.63	33.77	33.76	33.80	33.60	33.41	33.42	33.32	33.35	33.38
	I2	33.52	33.50	33.64	33.72	33.76	33.81	33.55	33.41	33.44	33.30	33.36	33.37
38-m	I13	33.54	33.51	33.69	33.75	33.78	33.83	33.62	33.47	33.43	33.29	33.37	33.38
	I21	33.55	33.54	33.78	33.77	33.79	33.84	33.62	33.51	33.44	33.34	33.38	33.37
	I29	33.51	33.52	33.67	33.82	33.82	33.88	33.59	33.46	33.41	33.31	33.41	33.37
	I8	33.53	33.49	33.66	33.75	33.77	33.81	33.62	33.44	33.43	33.28	33.36	33.37
55-m	I28	33.62	33.57	33.75	33.78	33.83	33.87	33.65	33.45	33.41	33.35	33.41	33.40
	I20	33.62	33.55	33.80	33.81	33.80	33.89	33.64	33.46	33.43	33.30	33.39	33.37
	I7	33.59	33.50	33.75	33.73	33.82	33.90	33.60	33.47	33.40	33.23	33.37	33.37
	I1	33.57	33.59	33.78	33.71	33.69	33.89	33.56	33.47	33.42	33.32	33.36	33.39

Appendix A.1 *continued*

		Density (δ/θ)											
Contour	**Station**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**
9-m	I37	25.11	25.18	25.23	25.40	25.24	25.80	24.91	24.76	24.58	24.66	24.51	24.30
	I38	25.17	25.10	25.02	25.31	24.87	25.70	24.61	24.47	24.32	24.38	24.53	24.33
	I36	25.24	25.16	24.97	25.22	24.73	25.28	24.53	24.49	24.24	24.22	24.47	24.34
	I32	25.17	25.20	25.33	25.54	24.89	25.61	24.41	24.25	24.29	24.28	24.63	24.30
	I26	25.12	25.10	25.17	25.64	25.12	25.38	24.56	24.10	24.27	24.51	24.15	24.36
	I25	25.08	25.14	25.17	25.47	24.89	25.01	24.67	24.07	24.34	24.46	24.16	24.39
	I24	25.06	25.20	25.24	25.47	24.83	25.08	24.86	24.32	24.42	24.64	24.17	24.46
	I40	25.05	25.26	25.37	25.69	25.01	24.93	24.83	24.44	24.47	24.61	24.17	24.53
	I19	25.04	25.30	25.39	25.77	25.18	24.92	24.82	24.42	24.43	24.56	24.20	24.59
	I11	25.11	25.18	25.40	25.78	24.85	25.16	25.12	24.55	24.56	24.75	24.50	24.55
19-m	I34	25.23	25.19	25.47	25.69	25.52	25.93	24.90	24.89	24.65	24.70	24.59	24.53
	I35	25.18	25.26	25.38	25.61	25.29	25.80	24.84	24.75	24.59	24.66	24.65	24.40
	I31	25.26	25.28	25.41	25.59	25.40	25.82	24.88	24.77	24.52	24.67	24.79	24.45
	I39	25.13	25.30	25.54	25.75	25.08	25.50	25.21	24.79	24.53	24.60	24.29	24.60
	I23	25.11	25.16	25.42	25.75	25.16	25.15	25.05	24.39	24.64	24.81	24.29	24.51
	I18	25.13	25.22	25.47	25.70	25.07	25.47	25.00	24.80	24.70	24.78	24.30	24.60
	I10	25.11	25.23	25.50	25.75	25.17	25.47	25.06	24.67	24.60	24.63	24.56	24.59
	I5	25.09	25.13	25.53	25.91	24.87	25.35	25.29	24.29	24.47	24.62	24.47	24.57
	I4	25.12	25.22	25.56	25.91	25.29	25.48	25.34	24.73	24.63	24.67	24.60	24.66
28-m	I33	25.28	25.22	25.59	25.72	25.64	26.01	25.20	24.80	24.80	24.75	24.74	24.64
	I30	25.34	25.24	25.55	25.77	25.58	25.79	25.05	24.89	24.73	24.88	24.76	24.73
	I27	25.24	25.31	25.60	25.82	25.37	25.73	25.22	24.53	24.78	24.87	24.33	24.71
	I22	25.10	25.28	25.52	25.77	25.31	25.58	25.31	24.73	24.73	24.88	24.34	24.75
	I14	25.09	25.28	25.50	25.77	25.35	25.65	25.16	24.73	24.78	24.80	24.37	24.71
	I17	25.13	25.25	25.58	25.74	25.34	25.63	25.14	24.61	24.68	24.81	24.36	24.66
	I16	25.14	25.31	25.63	25.79	25.32	25.67	25.17	24.74	24.77	24.79	24.39	24.69
	I15	25.19	25.29	25.56	25.78	25.35	25.81	25.21	24.81	24.80	24.82	24.38	24.75
	I12	25.09	25.30	25.54	25.80	25.41	25.70	25.16	24.82	24.72	24.81	24.41	24.70
	I9	25.26	25.33	25.45	25.77	25.39	25.70	25.23	24.91	24.73	24.79	24.65	24.82
	I6	25.18	25.25	25.56	25.79	25.35	25.61	25.23	24.83	24.57	24.67	24.60	24.64
	I3	25.16	25.22	25.54	25.81	25.35	25.68	25.22	24.86	24.72	24.60	24.61	24.67
	I2	25.36	25.26	25.50	25.70	25.32	25.64	25.20	24.86	24.69	24.64	24.55	24.79
38-m	I13	25.34	25.29	25.62	25.69	25.46	25.84	25.33	25.09	24.82	24.77	24.75	24.79
	I21	25.37	25.37	25.82	25.69	25.43	25.89	25.38	25.20	24.80	24.55	24.80	24.80
	I29	25.25	25.28	25.64	25.82	25.62	25.93	25.21	24.93	24.74	25.00	24.79	24.85
	I8	25.32	25.24	25.57	25.79	25.43	25.82	25.27	25.09	24.77	24.77	24.68	24.81
55-m	I28	25.51	25.45	25.74	25.84	25.76	25.97	25.51	25.10	24.89	24.86	24.80	24.95
	I20	25.54	25.37	25.81	25.84	25.58	25.95	25.48	25.27	25.08	24.86	24.80	24.81
	I7	25.47	25.24	25.71	25.70	25.54	25.99	25.40	24.99	24.99	24.84	24.69	24.75
	I1	25.38	25.41	25.75	25.66	25.41	25.97	25.40	24.97	24.82	24.81	24.57	24.74

Appendix A.1 *continued*

Contour	Station	Dissolved Oxygen (mg/L)											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
9-m	I37	8.0	7.4	7.3	8.3	7.3	5.3	9.3	8.7	8.5	7.7	6.9	8.0
	I38	8.0	8.6	8.2	9.3	7.7	6.2	9.7	9.5	9.0	8.4	7.4	7.7
	I36	7.1	8.0	8.1	9.0	8.6	7.4	9.5	9.3	8.6	8.2	7.9	7.8
	I32	7.6	7.4	6.1	6.6	8.4	5.2	8.2	8.7	7.5	7.7	7.5	7.9
	I26	8.1	8.1	7.5	6.5	8.3	7.0	7.6	8.3	7.0	7.8	8.4	6.8
	I25	8.4	8.2	7.4	6.6	10.1	9.0	5.0	9.6	9.1	7.6	8.0	7.8
	I24	8.6	7.7	7.5	6.9	9.2	9.4	7.8	9.5	9.3	7.8	8.3	7.7
	I40	8.5	7.1	6.4	6.0	8.2	9.2	6.4	8.5	9.1	8.3	8.2	7.6
	I19	8.5	6.7	6.0	4.4	7.7	8.4	6.5	8.9	9.1	7.9	7.9	7.7
	I11	8.1	8.6	6.6	5.6	8.9	9.0	6.5	8.6	9.0	8.1	7.8	7.8
19-m	I34	7.4	7.4	6.0	6.0	6.4	4.3	8.4	8.5	8.4	7.7	7.8	7.6
	I35	7.8	7.2	6.4	6.9	6.9	5.0	9.0	8.9	9.1	7.8	7.5	8.0
	I31	7.1	7.1	6.5	7.1	7.2	5.1	8.8	9.4	8.6	8.2	7.3	8.0
	I39	8.0	6.8	5.8	6.0	8.9	7.1	7.3	8.3	8.4	8.4	8.3	7.6
	I23	8.3	7.9	6.8	5.8	8.6	9.3	8.0	9.8	9.1	7.8	8.2	7.9
	I18	8.2	7.5	6.4	5.8	8.6	7.5	8.5	9.3	9.1	8.1	8.4	7.9
	I10	8.4	7.8	6.0	5.9	7.4	7.4	7.7	8.9	9.4	8.6	8.0	8.1
	I5	8.6	8.6	5.9	4.9	9.1	7.7	7.4	9.6	9.1	8.3	7.8	7.8
	I4	8.3	7.5	5.9	4.7	7.1	7.2	7.5	8.9	9.2	8.6	7.7	7.6
28-m	I33	7.1	7.6	5.5	5.7	5.2	3.8	7.4	8.4	8.8	7.9	7.3	7.4
	I30	6.6	7.7	5.6	5.8	6.4	5.2	7.7	8.8	9.1	7.9	7.4	7.6
	I27	7.3	7.1	5.5	5.3	7.0	5.8	7.5	8.8	8.6	8.1	8.5	7.5
	I22	8.5	7.4	6.0	5.6	7.4	6.7	7.3	8.7	9.0	8.3	8.3	7.7
	I14	8.5	7.2	6.1	5.7	7.2	6.1	8.0	8.7	9.2	8.3	8.4	7.7
	I17	8.1	7.4	5.6	6.0	7.5	6.2	7.7	8.8	9.0	8.0	8.4	7.8
	I16	8.1	6.9	5.4	5.7	7.3	5.9	7.6	8.7	9.1	8.0	8.4	7.7
	I15	7.8	7.2	5.8	5.5	6.9	5.2	7.0	8.4	8.8	8.3	8.4	7.7
	I12	8.6	6.9	5.8	5.7	6.9	5.8	7.1	8.6	9.0	7.9	8.3	7.7
	I9	7.4	6.8	6.3	5.4	6.5	5.5	7.9	8.3	9.1	8.5	7.8	7.5
	I6	7.8	7.5	5.8	5.5	6.8	6.1	7.8	8.3	9.4	8.6	7.9	7.8
	I3	7.9	7.8	5.9	5.1	6.9	5.8	7.7	8.4	8.9	8.8	7.9	7.6
	I2	6.9	7.7	5.9	6.0	7.1	5.3	7.4	8.3	8.3	8.6	8.0	7.6
38-m	I13	7.1	7.5	5.5	6.0	6.3	4.7	7.2	7.7	8.4	8.6	7.6	7.5
	I21	7.0	6.8	4.4	5.7	6.3	4.6	7.1	7.3	8.2	8.6	7.3	7.5
	I29	7.5	7.3	5.2	5.3	5.8	4.5	7.7	8.2	8.7	7.7	7.3	7.3
	I8	7.2	7.6	5.6	5.3	6.5	4.7	7.2	7.9	8.5	8.8	7.7	7.5
55-m	I28	5.6	6.6	4.5	5.0	4.9	4.5	6.2	7.9	7.9	8.0	7.4	7.2
	I20	5.9	6.8	4.6	4.8	5.6	4.4	6.2	7.4	7.6	8.3	7.5	7.5
	I7	6.4	7.6	4.9	5.8	5.9	4.1	6.5	7.6	7.9	8.2	7.8	7.7
	I1	6.7	6.7	4.8	5.5	6.3	4.1	6.7	7.5	7.8	8.0	8.0	7.7

Appendix A.1 *continued*

		pH											
Contour	**Station**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**
9-m	I37	8.0	8.0	8.1	8.1	8.1	7.9	8.2	8.2	8.0	8.1	8.0	8.1
	I38	8.1	8.2	8.2	8.2	8.2	8.0	8.2	8.3	8.0	8.2	8.0	8.1
	I36	8.1	8.1	8.2	8.2	8.3	8.1	8.2	8.3	8.0	8.2	8.1	8.1
	I32	8.1	8.0	8.0	8.1	8.2	7.9	8.2	8.3	7.9	8.2	8.0	8.1
	I26	8.1	8.1	8.1	8.2	8.2	8.0	8.1	8.2	8.1	8.2	8.1	8.0
	I25	8.2	8.1	8.1	8.2	8.3	8.2	7.9	8.3	8.2	8.2	8.1	8.1
	I24	8.2	8.1	8.1	8.2	8.3	8.2	8.1	8.3	8.3	8.1	8.1	8.1
	I40	8.2	8.0	8.0	8.1	8.2	8.2	8.0	8.2	8.2	8.2	8.1	8.1
	I19	8.2	8.0	7.9	8.0	8.1	8.2	8.0	8.2	8.2	8.2	8.1	8.1
	I11	8.2	8.2	8.0	8.1	8.3	8.2	8.0	8.2	8.1	8.2	8.1	8.1
19-m	I34	8.1	8.1	8.0	8.0	8.0	7.9	8.1	8.2	8.0	8.1	8.1	8.1
	I35	8.1	8.1	8.0	8.0	8.1	7.9	8.2	8.2	8.0	8.1	8.0	8.1
	I31	8.1	8.1	8.0	8.1	8.1	7.9	8.1	8.3	8.0	8.2	8.0	8.1
	I39	8.1	8.0	7.9	8.2	8.2	8.0	8.0	8.2	8.2	8.2	8.1	8.1
	I23	8.2	8.1	8.0	8.1	8.2	8.2	8.1	8.3	8.2	8.1	8.1	8.1
	I18	8.2	8.1	8.0	8.1	8.2	8.0	8.1	8.2	8.2	8.2	8.1	8.1
	I10	8.2	8.1	8.0	8.1	8.1	8.1	8.1	8.2	8.1	8.3	8.1	8.1
	I5	8.2	8.2	8.0	8.0	8.3	8.1	8.0	8.2	8.1	8.2	8.1	8.1
	I4	8.2	8.1	8.0	8.0	8.1	8.0	8.0	8.2	8.1	8.3	8.1	8.0
28-m	I33	8.1	8.1	7.9	8.0	7.9	7.8	8.0	8.2	8.0	8.1	8.0	8.0
	I30	8.0	8.1	7.9	8.0	8.0	7.9	8.1	8.2	8.0	8.1	8.0	8.1
	I27	8.1	8.0	7.6	8.0	8.1	7.9	8.1	8.2	8.2	8.1	8.1	8.1
	I22	8.2	8.1	7.9	8.0	8.1	8.0	8.0	8.2	8.2	8.2	8.1	8.1
	I14	8.2	8.1	7.9	8.0	8.1	7.9	8.1	8.2	8.2	8.2	8.1	8.1
	I17	8.2	8.1	7.9	8.1	8.1	7.9	8.1	8.2	8.2	8.1	8.1	8.1
	I16	8.2	8.1	7.9	8.1	8.1	7.9	8.1	8.2	8.2	8.1	8.1	8.1
	I15	8.1	8.1	7.9	8.0	8.1	7.8	8.0	8.2	8.2	8.2	8.1	8.1
	I12	8.2	8.0	7.9	8.0	8.1	7.9	8.0	8.2	8.2	8.1	8.1	8.1
	I9	8.1	8.1	8.0	8.0	8.1	7.9	8.1	8.1	8.1	8.3	8.1	8.0
	I6	8.2	8.1	8.0	8.0	8.1	8.0	8.1	8.2	8.1	8.3	8.1	8.1
	I3	8.2	8.1	8.0	8.0	8.1	7.9	8.1	8.2	8.1	8.3	8.1	8.0
	I2	8.1	8.1	8.0	8.1	8.1	7.9	8.1	8.2	8.1	8.2	8.1	8.0
38-m	I13	8.1	8.1	7.9	8.1	8.0	7.9	8.0	8.1	8.1	8.3	8.1	8.0
	I21	8.1	8.1	7.8	8.0	8.0	7.9	8.0	8.1	8.1	8.3	8.0	8.0
	I29	8.1	8.1	7.9	7.9	7.9	7.9	8.1	8.2	8.0	8.1	8.0	8.0
	I8	8.1	8.1	7.9	8.0	8.0	7.9	8.1	8.1	8.1	8.3	8.1	8.0
55-m	I28	8.0	8.0	7.8	7.9	7.9	7.9	7.9	8.1	7.9	8.1	8.0	8.0
	I20	8.0	8.0	7.8	8.0	8.0	7.8	8.0	8.0	8.0	8.2	8.0	8.0
	I7	8.0	8.1	7.9	8.0	8.0	7.8	8.0	8.1	8.0	8.2	8.1	8.0
	I1	8.1	8.1	7.9	8.0	8.0	7.8	8.0	8.1	8.0	8.2	8.1	8.0

Appendix A.1 *continued*

Contour	Station	Transmissivity (%)											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
9-m	I37	78	62	78	75	71	79	81	76	75	80	75	81
	I38	69	74	72	77	69	78	81	79	69	78	73	70
	I36	43	66	58	75	60	65	81	77	61	84	75	71
	I32	47	44	40	61	63	65	74	74	62	73	63	50
	I26	69	38	72	75	69	76	82	78	73	81	80	66
	I25	74	58	68	77	73	65	75	79	70	84	65	70
	I24	78	50	68	79	60	61	78	77	71	79	76	66
	I40	68	39	45	72	54	55	74	67	66	74	70	65
	I19	67	49	60	63	54	57	54	62	66	73	55	69
	I11	78	73	74	77	71	60	74	72	72	77	77	71
19-m	I34	74	73	74	79	78	83	81	81	75	85	85	72
	I35	78	74	76	78	72	81	83	80	73	81	82	82
	I31	75	74	78	78	73	83	84	82	73	85	83	87
	I39	71	76	83	79	75	76	83	82	76	87	83	79
	I23	78	70	78	77	76	57	80	78	75	84	72	77
	I18	83	78	79	81	74	68	79	81	77	85	87	84
	I10	83	80	80	82	77	69	81	79	75	86	87	87
	I5	79	77	75	79	71	61	76	72	71	73	68	72
	I4	82	83	81	82	78	71	78	78	75	83	79	83
28-m	I33	78	83	83	82	80	84	85	82	81	85	85	80
	I30	81	81	86	82	78	80	83	84	80	88	85	85
	I27	81	82	86	84	79	79	84	81	80	88	81	87
	I22	81	84	85	84	79	76	83	83	82	88	84	86
	I14	83	85	84	83	80	79	84	83	83	88	86	86
	I17	83	84	84	83	79	74	83	83	81	88	85	86
	I16	84	85	85	84	80	78	83	83	83	88	85	86
	I15	83	85	84	84	80	81	84	84	83	89	86	86
	I12	82	85	84	84	80	78	83	83	82	87	82	86
	I9	84	85	81	84	79	84	85	85	79	86	88	86
	I6	85	84	82	84	80	80	84	86	75	86	88	85
	I3	85	83	84	85	78	82	86	86	79	88	88	87
	I2	86	84	85	85	78	86	87	87	84	91	89	89
38-m	I13	85	83	85	85	81	87	86	87	84	89	89	87
	I21	85	83	86	86	79	88	86	87	84	88	87	88
	I29	83	83	85	85	77	84	87	85	81	90	86	85
	I8	85	84	84	86	81	87	87	87	83	89	89	87
55-m	I28	85	88	88	88	84	88	88	87	87	90	89	91
	I20	87	86	86	87	84	88	89	89	88	90	90	91
	I7	86	87	87	86	85	89	89	89	88	91	89	91
	I1	87	86	87	86	88	89	90	89	88	90	89	91

Appendix A.1 *continued*

Contour	Station	Chlorophyll *a* (µg/L)											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
9-m	I37	6.1	8.7	5.2	16.9	14.8	9.5	8.7	19.9	10.4	6.4	5.1	6.5
	I38	6.3	10.3	8.2	18.2	10.3	12.1	5.9	7.0	13.7	7.1	5.2	5.7
	I36	7.2	11.8	14.2	15.1	19.1	26.0	6.6	5.3	22.2	3.7	7.2	6.8
	I32	7.3	14.0	10.2	28.9	16.6	10.6	9.8	8.4	19.4	7.0	6.4	8.9
	I26	7.3	10.2	6.1	14.9	20.7	8.5	8.8	7.1	6.4	5.2	5.3	3.9
	I25	6.6	5.4	5.4	8.1	13.4	18.1	12.5	4.7	12.0	3.1	5.7	6.6
	I24	7.4	6.1	5.8	8.7	22.2	22.9	8.6	7.9	7.4	4.4	7.3	5.9
	I40	9.4	5.1	7.6	19.1	31.2	35.2	16.5	15.4	11.6	6.4	6.6	4.1
	I19	8.2	3.9	6.4	30.4	18.2	27.2	29.9	30.1	14.5	8.1	11.7	5.6
	I11	4.3	10.9	8.0	8.4	14.6	23.7	7.6	7.8	7.9	6.0	3.6	5.0
19-m	I34	5.1	6.7	3.6	14.9	10.8	5.6	6.7	9.5	9.1	4.4	3.4	4.1
	I35	6.3	6.2	3.9	13.3	10.1	5.4	6.9	6.8	13.4	6.1	4.4	4.5
	I31	4.6	5.5	3.9	12.9	11.6	5.2	6.5	9.7	12.6	5.9	4.0	4.5
	I39	6.9	3.4	3.8	9.8	14.1	15.6	7.1	9.8	7.4	5.2	5.5	4.2
	I23	5.5	5.7	5.0	10.8	13.0	34.7	7.2	6.3	8.1	5.0	3.7	6.3
	I18	4.8	4.0	4.9	7.2	13.1	21.4	9.4	8.3	7.5	6.4	3.2	5.4
	I10	5.0	5.9	5.9	7.3	9.3	22.1	6.4	7.1	8.1	6.2	2.6	4.7
	I5	6.4	8.3	6.8	8.1	13.3	21.2	9.8	8.8	7.2	7.5	4.7	4.3
	I4	5.1	4.5	7.8	5.7	9.2	18.6	15.8	9.9	6.7	6.6	3.1	4.0
28-m	I33	4.3	4.9	2.8	7.3	7.9	3.4	6.7	9.3	6.4	4.5	2.5	3.1
	I30	3.5	6.3	2.8	5.6	11.7	8.4	7.9	7.0	7.4	3.3	4.7	3.7
	I27	4.5	3.3	3.8	5.3	8.2	12.0	6.8	6.9	4.4	5.5	5.0	3.5
	I22	6.5	3.4	3.5	4.3	8.5	17.0	8.5	6.9	4.1	5.6	4.5	3.5
	I14	5.9	3.3	3.6	5.9	8.9	12.3	6.7	6.4	3.9	5.0	3.2	4.0
	I17	5.5	3.4	2.8	5.5	9.3	14.7	5.8	7.2	4.3	5.3	3.3	4.6
	I16	6.0	2.8	2.7	5.5	9.1	12.7	7.6	6.9	3.9	3.8	3.5	4.2
	I15	5.3	3.5	3.5	5.7	8.2	9.1	3.2	5.6	7.6	4.6	3.5	3.8
	I12	6.7	2.4	3.7	5.1	8.6	11.7	3.8	7.1	3.8	4.6	4.0	4.0
	I9	3.3	2.8	7.5	3.8	8.0	5.9	8.5	4.5	6.9	8.5	2.6	3.0
	I6	3.5	4.1	6.9	3.9	6.6	12.0	8.8	4.4	8.2	7.0	2.8	4.4
	I3	4.2	6.1	5.8	4.5	9.9	8.3	4.0	5.6	7.7	5.4	2.4	4.2
	I2	2.7	6.1	5.3	5.4	13.2	4.2	3.2	4.4	5.1	1.7	2.7	3.1
38-m	I13	3.3	6.0	3.8	3.3	9.7	3.1	6.7	3.7	4.5	5.1	2.3	3.2
	I21	3.5	4.5	1.5	2.3	9.0	2.8	7.3	3.1	4.0	3.5	2.1	1.8
	I29	4.9	4.5	2.1	4.2	11.4	5.6	3.8	5.7	7.0	2.9	2.7	2.8
	I8	3.5	4.8	4.6	3.6	7.8	4.1	3.4	3.7	5.5	5.4	2.5	3.8
55-m	I28	2.0	2.8	1.8	3.1	6.0	1.9	3.3	4.3	3.5	2.0	2.7	2.4
	I20	2.5	3.8	2.9	3.1	6.0	2.5	2.7	3.5	3.6	2.2	2.6	2.1
	I7	2.4	4.2	3.4	4.9	6.2	1.5	2.3	2.9	3.9	2.5	3.2	2.2
	I1	2.6	4.0	3.7	4.1	4.2	1.4	1.9	2.4	3.2	2.8	3.0	2.8

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