

PRISM Chlorophyll a

Station	Depth (m)	Filter #	Vol Filt. (mL)	Vol Extr. (mL)	Scale	Dilution	Fo	Fa	Fo/Fa	Chl a (ug/L)
001	1	101	250	5mL	H		4.61	2.36		
001	10	102	250		H		4.71	2.44		
001	20	103	250		H		4.59	2.35		
001	40	104	250		H		5.68	2.92		
001	50	105	250		H		5.05	2.65		
001	60	106	250		H		3.61	2.09		
TSB INC 75	1	107	28		M		0.574	0.305		
TSB I1 75	1	108	200		H		3.20	1.60		
TSB I2 75	1	109	200		H		3.28	1.67		
TSB I3	1	110	200		H		3.23	1.64		
001 75	1	111	40		H/M		1.40	0.743		
001 75	50	112	38		H		1.67	0.861		
TSB INC 2		113	250		H/M		1.58	0.839		
002	1	114	250		H		1.70	0.895		
002	10	115	250		H/M		1.60	0.850		
002	20	116	250		H/M		1.49	0.769		
002	40	117	250		H	1.65	1.05	0.885		
002	60	118	250		H		2.19	1.20		
002	80	119	250		H		3.08	1.72		
TSB I1 < S		120	55		Med		0.214	0.115		
TSB I2 > S		121	30		M		0.095	0.053		
TSB CTD MAX > S		122	35		M/L		0.063	0.042		
TSB CTD MAX < S		123	55		M		0.301	0.180		
TSB CTD SUR > S		124	30		M		0.092	0.054		
TSB CTD SUR < S		125	60		M		0.197	0.104		
TSB I1 C1		126	200		H		3.42	1.69		
" I1 F1		127	200		H		3.35	1.67		
" I1 C2		128	200		H		3.41	1.70		
" I1 F2		129	200		H		3.36	1.67		
TSB INC Ex 24.3		130	250		H		4.04	2.08		
INC < S		131	55		M		0.565	0.296		
INC > S		132	20		M		0.127	0.66		
TSB CTD MAX SUR		145	60		M		0.645	0.316		
TSB CTD REF SUR		146	30		M		0.254	0.132		
TSB < S CTD MAX		147	60		M		0.716	0.383		
TSB > S CTD MAX		148	25		M		0.241	0.127		
TSB INC 2 24	INC	149	200		H, I		1.35	0.726		
"	"	150	"		H		1.32	0.723		
"	"	151	"		H		1.34	0.709		
"	"	152	"		H		1.49	0.728		

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Station	Depth (m)	Filter #	Vol Filt. (mL)	Vol Extr. (mL)	Scale	Dilution	Fo	Fa	Fo/Fa	Chl a (ug/L)
INC 229	INC	153	200		H/M		1.52	0.798		
"	"	154	"		H		1.16	0.677		
"	"	155	"		H		1.31	0.693		
"	"	156	"		H		1.45	0.764		
"	"	157	"		H		1.60	0.840		
AFM DEL 1	INC	158	250 mL		M		0.923	0.488		
AFM DEL 1	INC	159	250		H		4.48	2.30		
AFM DEL 1	INC	160	250		H		4.46	2.29		
AFM DEL 1	INC	161	250		H		4.42	2.32		
AFM DEL 1	INC	162	250		M		0.926	0.477		
AFM DEL 1	INC	163	250		M		0.804	0.421		
003	1	133	250		H		4.53	2.34		
	10	134			H		4.52	2.36		
	20	135			H		4.62	2.39		
	30	136			H		5.03	2.66		
	40	137			H		6.04	3.39		
	50	138			H		7.19	4.04		
	60	139			H		4.36	2.51		
	70	140			H		2.03	1.17		
	80	141			H		4.21	0.704		
	100	142			H		1.09	0.654		
	150	143			H		0.465	0.315 Med		
	200	144			M		0.524	0.336		
003	2101	116		5 mL	M	1:100	0.569	0.294	0.507	
003	2102	1165			H		0.560	0.259		
INC 148	INC	166	200		H		4.57	2.26		
"	"	167		166	H		4.76	2.34		
"	"	168		167	H		4.29	2.11		
"	"	169		168	H		4.67	2.31		
"	"	170		169	H		4.99	2.49		
"	"	171		170	H					
WCA To	"	171	200		H		1.76	0.888		
"	"	172		171	H		2.18	1.09		
"	"	173		172	H		1.65	0.841		
"	"	174	55	173	H		1.71	0.955		
"	"	175	21	174	H		0.999	0.517		
004	1	174	250	5	H	250 μL: 5 mL	2.26	0.949		
CTD 005	10	177			H		1.99	0.964		
	20	178			H		1.87	0.981		
	25	179			H		2.01	1.05		
	30	180			H		1.95	1.04		

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Station	Depth (m)	Filter #	Vol Filt. (mL)	Vol Extr. (mL)	Scale	Dilution	Fo	Fa	Fo/Fa	Chl a (ug/L)
004	40	181	250	5	H	250µL:5mL	2.09	1.15		
	50	182			H	↓	1.62	0.879		
	60	183			H	↓	1.20	0.665		
	70	184			H	↓	0.508	0.308		
	80	185			H	↓	0.474	0.310		
	100	186			H	↓	0.273	0.188		
	150	187			H	↓	1.60	1.02		
	200	188			H	↓	0.803	0.496		
TSB 181 I1	189 m	250 189	200	5mL	H	250µL:5mL	1.98	0.936		
" 12	190 m	260 190	200		H	↓	1.06	0.538		
" 13	191 "	260 191	200		H	↓	1.32	0.669		
" 15	192 "	50 192	50		H	↓	1.09	0.620		
" 17	193 "	20 193	20		H	↓	5.04	2.74		
I24.3 Fe1		194	200		H	↓	4.27	2.22		
I24.3 Fe2		195	200		H	↓	2.51	1.31		
I24.3 Fe3		196	200		H	↓	3.01	1.59		
I24.3 Fe4		197	200		H	↓	2.85	1.50		
I24.3 Fe5		198	200		H	↓	2.45	1.32		
I24.3 Fe6		199	200		H	↓	2.25	1.19		
I24.3 C1		200	200		H	↓	2.97	1.56		
I24.3 C2		201	200		H	↓	3.40	1.77		
I24.3 C3		202	200		H	↓	3.41	1.79		
					H	250µL:5mL	2.34	1.22		
004	200-203									
D2 to	-	204	250		H		7.81	4.07		
D2 to	-	205			H		7.52	4.00		
D2 to	-	206			H		7.72	4.00		
D2 to	-	207			H	250µL:5mL	1.56	0.815		
D2 to	-	208			H	↓	1.51	0.784		
D2 to	-	209			H	↓	1.58	0.827		
005	1	210	250		H	250µL:5mL	0.902	0.470		
005	10	11			H	↓	0.810	0.473		
005	20	12			H	↓	0.730	0.376		
	30	13			H	↓	0.749	0.321		
	40	14			H		8.28	4.64		
	50	15			H		3.84	2.25		
	60	16			H		3.14	1.78		
	70	17			H		1.66	0.983		
	80	18			H		2.87	1.79		
	100	19			H		3.16	1.99		
	150	20			H		1.62	1.04		
	200	21			H		1.13	0.707		
TSB 24.4 Fe1		222	200		H	250µL:5mL	1.14	0.587		
24.4 Fe2		223	200		H	↓	1.30	0.657		

187: found with no ~~90%~~ acetone. added 90% acetone on 04/10/12 @ 434 nm

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Station	Depth (m)	Filter #	Vol Filt. (mL)	Vol Extr. (mL)	Scale	Dilution	Fo	Fa	Fo/Fa	Chl a (ug/L)
24.4 Fe3	—	224	200	5ml	H	250µl → 5ml	1.24	0.625		
24.4 Con 1	—	225	200		H		1.26	0.642		
24.4 Con 2	—	226	200		H		0.969	0.500		
24.4 Con 3	—	227	200		H	↓	0.735	0.372		
24.2 Fe 1	—	228	200		H		1.49	0.795		
24.2 Fe 2	—	229	200		H		1.65	0.866		
24.2 Fe 3	—	230	200		H		1.73	0.907		
24.2 Fe 4	—	231	200		H		1.42	0.747		
24.2 Fe 5	—	232	200		H		1.45	0.765		
24.2 Fe C	—	233	200		H		1.23	0.644		
24.2 Con 1	—	234	200		H		1.76	0.925		
24.2 Con 2	—	235	200		H		1.59	0.812		
24.2 Con 3	—	236	200		H	↓	1.59	0.831		
005	200p	237			H	250µl → 5ml	1.47	0.757		
IN 24.5 TO	INC	257	200ml		H	1:100	3.49	1.185		
IES.1 Fe 1	—	259	200	5ml	H	250µl → 5ml	0.991	0.493		
IES.1 Fe 2	—	260	200		H	↓	0.621	0.525	1.02	0.513
IES.1 Fe 3	—	261	200		H	↓	0.725	0.372		
IES.1 Fe 4	—	262	200		H	↓	1.00	0.500		
IES.1 Fe 5	—	263	200		H	↓	0.795	0.415		
IES.1 Con 1	—	264	200		H	↓	1.13	0.565		
IES.1 Con 2	—	265	200		H	↓	0.875	0.445		
IES.1 Con 3	—	266	200		H	↓	0.893	0.438		
IES.1 Con 4	—	267	200		H	↓	0.813	0.420		
IES.1 Con 5	—	268	200		H	↓	0.968	0.487		
		238								
		239								
		240								
		241								
006		242	250		H	250 µl → 5ml	1.37	0.699		
	10	3			H	↓	3.12	1.65		
	20	4			H	↓	3.88	2.08		
	25	5			H	↓	2.33	1.29		
	30	6			H	↓	2.76	1.49		
	40	7			H	↓	1.72	1.01		
	50	8			H	↓	1.36	0.777		
	60	9			H	↓	1.19	0.705		
	70	250			H	↓	1.20	0.685		
	80	1			H	↓	0.764	0.464		
	100	2			H	↓	7.70	5.02		
	150	3			H	↓	1.94	1.29		
200PG	200µl blank	258								
IES.1 Fe 1	—	269	40		H	250µl → 5ml	2.85	2.48	#1.80	1.55
IES.1 Fe 1	—	270	40		H	↓	4.75	2.43		
					H	↓	1.05	0.538		

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	Station	Depth (m)	Filter #	Vol Filt. (mL)	Vol Extr. (mL)	Scale	Dilution	Fo	Fa	Fo/Fa	Chl a (ug/L)
>S	IES.1 Fe2	—	271	30		H	Ø	3.73	1.88		
<S	IES.1 Fe2	—	272	40		H	Ø	0.784	0.400		
>S	IES.1 Con1	—	273	30		H	Ø	4.11	2.11		
<S	IES.1 Con1	—	274	30		H	Ø	0.763	0.394		
>S	IES.1 Con2	—	275	25		H	Ø	4.15	2.16		
<S	IES.1 Con2	—	276	50		H	Ø	0.971	0.500		
T&B	IES.3 Fe1	—	277	200		H	Ø	2.94	1.51		
T&B	Fe2	—	278	200		H		2.29	1.49		
	Fe3	—	279	200		H		3.20	1.67		
	Fe4	—	280	200		H		3.29	1.67		
	Fe5	—	281	200		H		3.23	1.67		
	Fe6	—	282	200		H		3.41	1.76		
	Con1	—	283	200		H		3.31	1.70		
	Con2	—	284	200		H		2.88	1.48		
	Con3	—	285	200		H		2.71	1.41		
	D.12 48h	APM	286	250		H	250µL:5mL	0.816	0.355	1.20	0.612
			87			H	↓	0.592		1.14	0.597
			88			H	↓	1.19	0.604		
			89			H	↓	0.808	0.417		
			90			H	↓	0.801	0.406		
			91			H	↓	1.24	0.603	1.13	0.586
			92			H	↓	1.09	0.509		
			93			H	↓	0.592	0.297	1.31	0.661
			94			H	250µL:5mL	1.36	0.665		
			95			H	—	4.58	2.37		
			96			H	—	4.68	2.42		
			97			H	—	5.02	2.62		
			98			H	—	4.38	2.39		
			99			H	—	4.97	2.56		
			300			H	—	5.02	2.58		
			301			H	—	4.56	2.42		
			302			H	—	4.68	2.60		
			303			H	—	5.14	2.63		
	INEX 48h	—	304	200		H	250µL:5mL	2.316	1.18		
		—	305	200		H	↓	2.24	1.16		
		—	306	170x		H	↓	1.73	0.847		
		—	307	200		H	↓	2.03	1.05		
		—	308	200		H	↓	1.78	0.912		
		—	309	200		H	↓	1.77	0.922		

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Station	Depth (m)	Filter #	Vol Filt. (mL)	Vol Extr. (mL)	Scale	Dilution	Fo	Fa	Fo/Fa	Chl a (ug/L)
IN EX 5024		310	150*		H	250 µg/mL	1.14	0.594		
		311	150*		H	↓	1.17	0.610		
		312	200		H	↓	1.53	0.801		
		313	200		H	↓	1.41	0.743		
		314	200		H	↓	1.47	0.765		
		315	200		H	↓	1.45	0.750		
DI 1248hr	INCAFM	316	250		H	250 µg/mL	1.22	0.602		
		317			H	↓	1.23	0.615		
		318			H	↓	1.27	0.640		
		319			H	↓	1.17	0.585		
		320			H	↓	1.21	0.609		
		321			H	↓	1.26	0.631		
		322			H	↓	1.33	0.672		
		323			H	↓	1.42	0.711		
		324			H	↓	1.40	0.697		
		325			H	—	5.31	2.73		
		326			H	—	6.74	3.42		
		327			H	—	6.48	3.29		
		328			H	—	5.02	2.54		
		329			H	—	5.85	2.96		
		330			H	—	6.44	3.25		
		331			H	—	4.75	2.38		
		332			H	—	5.50	2.79		
		333			H	—	5.59	2.83		
DI 1724hr	INC AFM	334	250		H	—	3.07	1.61		
		335			H	—	3.52	1.86		
		336			H	—	4.32	2.20		
		337			H	—	3.91	2.06		
		338			H	—	4.20	2.11		
		339			H	—	4.02	2.03		
		340			H	—	3.99	2.04		
		341			H	—	4.07	2.07		
		342			H	—	4.48	2.27		
		343			H	—	0.662	0.340		
		344			H	—	0.516	0.263		

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Station	Depth (m)	Filter #	Vol Filt. (mL)	Vol Extr. (mL)	Scale	Dilution	Fo	Fa	Fo/Fa	Chl a (ug/L)
D1172hr	ENCAPM	345	250	5	H	250uL:5mL	0.466	0.241		
		346	↓		H	—	0.412	0.214		
		347	↓		H	—	0.441	0.280		
		348	↓		H	—	0.508	0.262		
		349	↓		H	—	0.455	0.240		
		350	↓		H	—	0.415	0.317		
		351	↓		H	—	0.664	0.331		
TSB INC 24.5 (48)	C1	352	100mL		H	250uL:5mL	0.822	0.405		
	C2	353	↓		H	↓	0.799	0.390		
	C3	354	↓		H	↓	0.801	0.393		
	Fe1	355	↓		H	↓	0.787	0.387		
	Fe2	356	↓		H	↓	0.830	0.412		
	Fe3	357	↓		H	↓	0.009	0.004		
IES.172 Fe1	T72	358	100mL		H	250uL:5mL	0.544	0.302		
	Fe2	359	↓			↓	0.785	0.401		
	Fe3	360	↓			↓	0.432	0.264		
	Fe4	361	↓			↓	0.662	0.426		
	Fe5	362	↓			↓	0.361	0.217		
	Con1	363	↓			↓	0.543	0.308		
	Con2	364	↓			↓	0.425	0.250		
	Con3	365	↓			↓	0.495	0.317		
	Con4	366	↓			↓	0.481	0.278		
	Con5	367	↓			↓	0.482	0.259		
IES.1 Fe1	> 5	368	30mL		H	—	6.7	3.14		
	Fe1	< 5	369	60mL			4.34	2.40		
	Fe2	> 5	370	20mL			4.53	2.30		
	Fe2	< 5	371	55mL			1.59	0.803		
	Con1	> 5	372	25mL			2.93	1.50		
	Con1	< 5	373	55mL			1.63	0.819		
	Con2	> 5	374	30mL			4.20	2.14		
	Con2	< 5	375	30mL			1.78	0.942		
D1172hr	ENCAPM	376	WB-189		H	—	10.1	5.02		
		377	WB-177			250uL:5mL	0.570	0.282		
		378	WB-188			↓	0.580	0.285		
		379	WB-175			↓	0.566	0.284		
		380	WB-184			—	9.79	4.98		

455 01/14/12 - freezer down

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Station	Depth (m)	Filter #	Vol Filt. (mL)	Vol Extr. (mL)	Scale	Dilution	Fo	Fa	Fo/Fa	Chl a (ug/L)
D11272m	INC RPM	381	WB-183	250 5	H	—	10.2	5.22		
		382	WB-182	↓		250ul/5ml	0.546	0.276		
		383	WB-183	↓		✓	0.532	0.268		
		384	WB-177	↓		✓	0.587	0.291		
		385				—	4.83	2.46		
		386				—	4.79	2.39		
		387				✓	5.64	2.85		
		388				—	5.82	2.96		
		389				—	6.94	3.53		
		390				—	6.90	3.47		
		391				—	5.59	2.84		
		392				—	6.26	3.14		
		393		↓	↓	—	6.31	3.16		
007	1	394		5	H	250ul/5ml	1.887	0.930		
	10	395		↓	H		1.09	0.591		
	20	396		↓	H		0.819	0.411		
	30	397		↓	H		0.671	0.376		
	40	398		↓	H	↓	0.573	0.286		
	50	399		↓	H		7.03	4.03		
	60	400		↓	H		7.45	4.11		
	70	401		↓	H		7.07	4.00		
	80	402		↓	H		5.73	3.41		
	100	403		↓	H		4.40	2.60		
	150	404		↓	H		2.47	1.56		
	200	405		↓	H		1.85	1.19		
IE24.6	I1	406	100	↓	H	0.05	0.930	0.473		
IE24.6	I2	407	100	↓		↓	1.14	0.593		
IE24.6	I3	408	100	↓		↓	1.10	0.564		
IE24.6	>5	409	30	↓	↓	↓	0.678	0.345		
IE24.6	<5	410	30	↓	H	—	0.829	0.432		
008	1	411	100	5	H	0.05	1.06	0.550		
	10	412	100	↓	H	↓	0.562	0.364		
	20	413	150	↓	H	—	8.39	6.47		
	30	414	200	↓	H	—	7.16	5.74		
	40	415	250	↓	H	—	10.4	7.41		

Note: Freezer back to -20
by 14:00 1/14/12

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Station	Depth (m)	Filter #	Vol Filt. (mL)	Vol Extr. (mL)	Scale	Dilution	Fo	Fa	Fo/Fa	Chl a (ug/L)
008	50	416	250	5	H	—	9.71	6.06		
	60	417	↓	↓	↓	—	8.36	5.82		
	70	418	↓	↓	↓	—	6.92	5.08		
	80	419	↓	↓	↓	—	4.94	3.62		
	100	420	↓	↓	↓	—	2.79	1.92		
	150	421	↓	↓	↓	—	2.43	1.67		
	200	422	↓	↓	↓	—	1.68	1.11		
009	1	423	250	↓	H	—	6.49	3.24		
	10	424	↓	↓	H	—	7.69	3.93		
	20	425	↓	↓	H	250ul:5ml	0.527	0.298		
	30	426	↓	↓	H	↓	0.624	0.359		
	40	427	↓	↓	H	↓	0.673	0.389		
	50	428	↓	↓	H	↓	0.697	0.413		
	60	429	↓	↓	H	—	10.1	6.33		
	70	430	↓	↓	H	—	6.09	3.91		
	80	431	↓	↓	H	—	5.10	3.37		
	100	432	↓	↓	H	—	2.60	1.87		
	150	433	↓	↓	H	—	2.01	1.40		
	200	434	↓	↓	H	—	1.57	1.07		
TSB	WBx71	435	100	↓	H	—	1.70	.827		
TSB	" 2	436	"	↓	H	—	1.84	.903		
TSB	" 3	437	"	↓	H	—	1.83	.902		
Zoop009		438		↓	H	250ul:5ml	1.20	0.593		
D13 to	APM1	439	WB-200		H	—	1.98	1.02		
	↓	440	WB-190		H	—	3.05	1.55		
	↓	441	WB-188		H	—	2.28	1.18		
	↓	442	250		H	—	1.38	0.723		
	↓	443	250		H	—	1.37	0.707		
	↓	444	250		H	—	1.37	0.708		
IES-1 T120	Fe1	445	50		H	—	9.15	4.51		
IES-1 T120	Fe2	446	50		H	250ul:5ml	0.647	0.282		
IES-1 T120	Con1	447	50			↓	0.510	0.247		
IES-1 T120	Con2	448	50		H	↓	7.45	3.65		

PRISM Chlorophyll a

Station	Depth (m)	Filter #	Vol Filt. (mL)	Vol Extr. (mL)	Scale	Dilution	Fo	Fa	Fo/Fa	Chl a (ug/L)
IES.1 Fe1	>5	449	45	5	H	—	7.55	3.80		
IES.1 Fe1	<5	450	60	1	H	—	2.60	1.36		
IES.1 Fe2	>5	451	35	1	H	250µl:5ml	10.64	0.289		
IES.1 Fe2	<5	452	60	1	H	—	2.20	1.13		
IES.1 Con1	>5	453	30	1	—	—	6.58	3.29		
IES.1 Con1	<5	454	40	1	—	—	1.67	0.862		
IES.1 Con2	>5	455	30	1	—	—	5.89	3.01		
IES.1 Con2	<5	456	35	1	↓	—	0.592	0.303		
IE24.6 Fe1		457	75	1	H	250µl:5ml	0.922	0.425		
IE24.6 Fe2		458	75	1	—	—	0.832	0.416		
IE24.6 Fe3		459	75	1	—	—	0.820	0.405		
IE24.6 Con1		460	75	1	—	—	0.768	0.380		
IE24.6 Con2		461	75	1	—	—	0.946	0.416		
IE24.6 Con3		462	75	1	↓	250µl:5ml	0.797	0.386		
IE24.7 Fe1		463	75	5	H	—	2.37	1.19		
IE24.7 Fe2		464	75	1	H	—	2.27	1.15		
IE24.7 Fe3		465	75	1	H	—	2.41	1.21		
IE24.7 Con1		466	75	1	H	—	2.33	1.15		
IE24.7 Con2		467	75	1	H	—	2.90	1.45		
IE24.7 Con3		468	75	1	H	—	1.89	0.938		
O10	1	469	WB-205	1	H	250µl:5ml	1.33	0.682		31.678
	5	70	WB-175	1	H	—	1.18	0.669		
	10	71	WB-212	1	H	↓	1.28	0.599	u	46.256
	20	72	WB-170	1	H	—	10.6	6.90		
	30	73	WB-170	1	H	—	10.6	6.88		
	40	74	WB-135	1	H	250µl:5ml	0.582	0.323		
	50	75	WB-138	1	H	↓	0.406	0.310		
	60	76	WB-95	1	H	—	8.60	5.63		
	70	77	WB	1	H	—	8.30	5.65		
	80	78	WB	1	H	—	6.46	4.51		
	100	79	WB	1	H	—	4.28	3.11		
	150	80	WB	1	H	—	2.37	1.23		
IE24.876	Inc	481	50ml	1	H	250µl:5ml	0.734	0.409		
2000010	O10	482	18ml	1	H	250µl:5ml	0.194	0.106		
O11	1	483	250	1	H	250µl:5ml	0.821	0.419		
	10	484	250	1	H	↓	0.754	0.423		

PRISM Chlorophyll a

Station	Depth (m)	Filter #	Vol Filt. (mL)	Vol Extr. (mL)	Scale	Dilution	Fo	Fa	Fo/Fa	Chl a (ug/L)
011	20	485	250	5	H	250 mL: 5 mL	1.13	0.596		
	30	486					0.843	0.560		
	40	487					0.640	0.416		
	50	488					0.180	0.98	0.506	
	60	489			↓	↓	0.1607	0.398		
	70	490			H	—	5.85	3.87		
	80	491				—	3.44	2.31		
	100	492				—	2.54	1.73		
	150	493				—	1.58	1.04		
↓	200	494	↓	↓	↓	—	0.1629	0.427		
012	1	495	53	5	H	—	6.33	3.34		
	10	496	51		H	—	6.99	3.85		
	20	497	59			250:5	0.487	0.267		
	30	498	51			250:5 mL	0.49	0.479	0.293	
	40	499	52		H	—	7.15	4.16		
	50	500	250			250 mL: 5 mL	1.52	0.911		
	60	501					1.05	0.634		
	70	502				↓	0.507	0.327		
	80	503				—	9.38	5.72		
	100	504				—	5.22	3.22		
	150	505				—	1.68	1.12		
	200	506	↓	↓	↓	—	1.06	1.09		
1E24.8	Fe1	507	25 mL	5 mL	H	250 mL: 5 mL	0.622	0.308		
1E24.6 T48	Fe2	508				↓	0.472	0.235		
1E24.6 T48	Fe3	509			↓	↓	0.64	0.316		
1E24.6 T48	Con 1	510			H	—	7.14	3.60		
1E24.6 T48	Con 2	511				—	7.04	3.48		
1E24.6 T48	Con 3	512	↓	↓	↓	—	7.10	3.52		
013	1	513	250	5	H	250 mL: 5 mL	3.44	1.71		
	10	514				↓	1.55	0.909		
	15	515				↓	0.716	0.552		
	20	516				↓	0.545	0.434		
	30	517	↓			↓	0.554	0.426		
	40	518	250			↓	0.971	0.615		
	50	519	250			↓	0.585	0.394		
✓	60	520	250	↓		—	9.67	6.57		

PRISM Chlorophyll a

Station	Depth (m)	Filter #	Vol Filt. (mL)	Vol Extr. (mL)	Scale	Dilution	Fo	Fa	Fo/Fa	Chl a (ug/L)
013	70	521	250	5	H	—	8.64	6.04		
013	80	522	↓	↓	↓	—	3.83	2.81		
	100	523	↓	↓	↓	—	2.43	1.76		
	150	524	↓	↓	↓	—	1.51	1.07		
	200	525	↓	↓	↓	—	1.23	0.850		
014	1	526		25	H	—	6.70	3.38		
	10	527		50	H	—	9.11	5.03		
	20	528		50	H	—	5.18	3.30		
	30	529		50	H	—	1.90	1.47		
	40	530		250	H	—	10.6	7.44		
	50	531	←	↓	H	250ul:5ml	0.558	0.361		
	60	532		↓		↓	0.598	0.368		
	70	533		↓		↓	0.557	0.360		
	80	534		↓	H	—	1.44	4.83		
	100	535		↓	H	—	3.12	2.36		
	150	536		↓	H	—	2.00	1.45		
	200	537		↓	H	—	1.24	0.861		
014		538	50	5		250ul:5ml	1.07	0.640		
012		539	50	5		250ul:5ml	6.08	3.15		
015	1	540	1	250	H	50ul:5ml	1.04	0.422		
	10	541	10	250	H	↓	1.47	0.632		
	20	542	20	WB-158	H	↓	0.623	0.271		
	30	543	30	WB-147	H	—	9.35	5.48		
	40	544	40	WB-141	H	—	9.58	5.91		
	45	545	45	WB-118	H	—	9.52	6.03		
	50	546	50	WB-135	H	250ul:5ml	0.651	0.363		
	60	547	60	WB-105	H	—	10.3	5.95		
	70	548	70	250	H	250ul:5ml	0.684	0.394		
	80	549	80	↓	H	—	5.24	3.53		
	100	550	100	↓	H	—	3.91	2.51		
	150	551	150	↓	H	—	1.46	0.951		
	200	552	200	↓	H	—	1.39	0.827		
015	—	553	—	—	H	250ul:5ml	3.99	1.82		
16	↓	554	250	↓	H	—	2.99	1.91		

PRISM Chlorophyll a

Station	Depth (m)	Filter #	Vol Filt. (mL)	Vol Extr. (mL)	Scale	Dilution	Fo	Fa	Fo/Fa	Chl a (ug/L)
16	10	555	250		H	250ul:5ml	5.08	2.41		
	20	556			H		2.46	1.22		
	30	557					2.72	1.45		
	40	558					1.36	0.827		
	50	559					1.44	0.769		
	60	560					1.31	0.835		
	70	561					1.52	0.920		
	80	562					0.625	0.391		
	100	563			H		5.25	3.65		
	150	564			H		2.38	1.76		
	200	565			H		1.10	0.799		
017	1	566	WB-175		H	250ul:5ml	1.93	0.946		
	5	567	WB-215		H		1.17	0.610		
	10	568	WB-205		H		1.16	0.570		
	20	569	WB-145		H		1.84	1.02		
	30	570	WB-75		H		0.815	0.516		
	40	571	WB-115		H		0.547	0.373		
	50	572	WB-155		H		10.2	6.47		
	60	573	WB-250		H	250ul:5ml	0.701	0.441		
	70	574			H		9.71	6.60		
	80	575			H		5.39	3.83		
	100	576			H		3.56	2.56		
	150	577			H		1.09	0.754		
WB 24.748	C1	578	100ml		H		4.98	2.42		
"	C2	579			H		4.94	2.43		
"	C3	580			H		5.07	2.50		
"	F1	581			H		5.27	2.60		
"	F2	582			H		5.14	2.52		
"	F3	583			H		5.27	2.58		
018	1	584	WB-225		H	500ul-5ml	1.398	0.654		
	5	585	WB-225			500ul-5ml	1.71	0.802		
	10	586	WB-230			500ul-5ml	1.25	0.588		
	20	587	WB-125			500ul-5ml	1.28	0.764		
	30	588	WB-71			500ul-5ml	1.51	0.927		

PRISM Chlorophyll a

Station	Depth (m)	Filter #	Vol Filt. (mL)	Vol Extr. (mL)	Scale	Dilution	Fo	Fa	Fo/Fa	Chl a (ug/L)
018	40	589	WB-55			500µl - 5ml	1.51	0.893		
	50	590	250			500µl - 5ml	1.15	0.725		
	60	591				1000µl - 5ml	1.17	0.774		
	70	592				—	5.31	3.55		
	80	593				—	3.06	2.10		
	100	594				—	2.02	1.32		
	150	595				—	1.08	0.729		
2000018	2000	596			H	500µl - 5ml	1.54	0.638		
INEX 248C1	INC	597	50 ml		H	500µl - 9ml	1.57	0.778		
C2	INC	598			H	500µl - 5	1.62	0.681		
C3	INC	599			H	500µl - 5	1.41	0.618		
Fe1	INC	600			H	500µl - 5	2.22	0.932		
Fe2	INC	601			H	500µl - 5	1.93	0.842		
Fe3	INC	602			H	500µl - 5	2.11	0.918		
INEX 5.1	Fe1	603	30ml			250/5	0.671	0.334		
	Fe2	604					0.838	0.426		
	Fe3	605					0.588	0.293		
	Fe4	606					0.560	0.301		
	Fe5	607			H	—	8.69	4.35		
	Con 1	608				—	10.3	5.24		
	Con 2	609				—	10.2	5.14		
	Con 3	610				—	7.81	3.91		
	Con 4	611				—	9.34	4.69		
	Con 5	612				—	4.19	2.16		
019	1	613	250			—	8.37	4.26		
	10	614				—	8.50	4.59		
	20	615				250/5	0.550	0.300		
	30	616				—	0.658	0.363		
	40	617				—	0.553	0.330		
	42	618				↓	0.531	0.326		
	50	619				—	9.70	6.42		
	60	620				—	9.31	6.73		
	70	621				—	9.40	6.80		
	80	622				—	6.15	4.32		
	100	623				—	3.63	2.69		
	150	624				—	1.73	1.22		

ALL ENTERED TR-K 1/18/12

PRISM Chlorophyll a

Station	Depth (m)	Filter #	Vol Filt. (mL)	Vol Extr. (mL)	Scale	Dilution	Fo	Fa	Fo/Fa	Chl a (ug/L)
019	200	625	250	5	H	—	1.26	0.872		
D1146	AFM	626			H	—	8.22	4.24		
		627			H	—	9.94	5.22		
		628			H	—	8.45	4.41		
		629			H	—	1.69	0.885		
		630			H	—	1.64	0.860		
		631			H	—	1.66	0.877		
Zoop 19	—	632	40		H	—	8.15	5.34		
020	1	633	250		H	250/250	0.610	0.318		
	10	634			H		0.601	0.646	0.2096	
	15	635			H		0.485	0.267		
	20	636					0.732	0.421		
	30	637					0.891	0.652		
	40	638					0.800	0.605		
	50	639			H	—	8.48	6.45		
	60	640			H	—	4.62	3.25		
	70	641			H	—	2.71	1.95		
	80	642			H	—	2.36	1.72		
	100	643			H	—	1.42	0.991		
	150	644			H	—	1.45	1.08		
	200	645			H	—	1.23	0.899		
021	1	646	50		H	—	7.87	3.89		
	10	647	50		H	—	7.37	3.75		
	15	648	50				7.65	4.08		
	20	649	50				6.62	3.91		
	30	650	50				2.14	1.48		
	40	651	250			500μ-Sml	1.44	0.872		
	50	652				500μ-Sml	1.14	0.738		
	60	653				—	4.67	3.53		
	70	654				—	5.18	3.86		
	80	655				—	4.41	3.29		
	100	656				—	2.19	1.60		
	150	657				—	1.63	1.18		
	200	658				—	1.38	0.919		
Zoop 20	—	659	35			250-Sml	1.43	0.755		

PRISM Chlorophyll a

Station	Depth (m)	Filter #	Vol Filt. (mL)	Vol Extr. (mL)	Scale	Dilution	Fo	Fa	Fo/Fa	Chl a (ug/L)
21372h	AAH	660	WB-210		H	—	3.89	1.87		
		661	WB-195		H	—	5.65	2.92		
		662	WB-215		H	—	4.33	2.11		
		663	WB-205		H	—	4.17	2.05		
		664	WB-195		H	—	5.44	2.67		
		665	WB-155		H	—	5.41	2.65		
		666	WB-200		H	—	4.42	2.18		
		667	WB-200		H	—	4.65	2.29		
		668	WB-205		H	—	4.55	2.22		
		669	WB-95		H	—	1.86	0.910		
		670	WB-75		H	—	1.98	0.973		
		671	WB-145		H	—	1.38	0.691		
		672	WB-105		H	—	1.37	0.671		
		673	WB-125		H	—	1.41	0.694		
		674	WB-140		H	—	1.41	0.693		
		675	Wetted		—	—	—	—		
		676	WB-110		H	—	1.32	0.648		
		677	WB-125		H	—	1.52	0.745		
W6848 C1	TSR	678	50ml		H	250:5	1.03	0.528		
" C2		679			H	250:5	1.22	0.549		
" C3		680			H	250:5	1.22	0.549		
" F1		681			H	250:5	1.08	0.719		
" F1		682			H	250:5	1.32	0.715		
" F3		683			H	250:5	1.45	0.704		
020	1	684	250		H	—	4.42	2.23		
	10	685			H	—	4.31	2.19		
	20	686			H	—	7.51	4.13		
	30	687			H	250/5	0.65	0.382		
	40	688			H	250/5	0.965	0.572		
	50	689			H	250/5	0.657	0.401		
	60	690			H	—	6.69	4.15		
	70	691			H	—	8.31	5.56		
	80	692			H	—	5.00	3.41		
	100	693			H	—	3.13	2.05		
	150	694			H	—	1.24	0.846		

PRISM Chlorophyll a

Station	Depth (m)	Filter #	Vol Filtr. (mL)	Vol Extr. (mL)	Scale	Dilution	Fo	Fa	Fo/Fa	Chl a (ug/L)
022	200	095	250	5	H	—	1.30	0.887		
023	1	096	250		H	—	4.50	2.35		
	10	697			H	—	6.71	3.56		
	20	698			H	—	4.69	2.98		
	30	699			H	250/5	0.742	0.421		
	40	700			H	280/5	0.667	0.471		
	50	701			H	250/5	0.553	0.370		
	60	702			H	—	9.18	6.13		
	70	703			H	—	6.52	4.09		
	80	704			H	—	6.52	4.09		
	100	705			H	—	2.03	1.35		
	150	706			H	—	1.02	0.721		
	200	707			H	—	1.27	0.843		
025 to	APM	708	100		H	—	1.42	0.716		
		709	187		H	—	2.69	1.46		
		710	WB-160		H	—	1.72	0.892		
		711	WB-160		H	—	0.364	0.193		
		712	WB-160		H	—	0.390	0.206		
		713	WB-160		H	—	0.392	0.203		
024	1	714	250		H	—	6.98	3.62		
	10	715			H	—	9.35	4.77		
	20	716			H	250/5	0.682	0.358		
	30	717			H	—	1.01	0.534		
	40	718			H	—	0.751	0.432		
	50	719			H	—	6.67	4.08		
	60	720			H	—	3.11	1.99		
	70	721			H	—	2.17	1.41		
	80	722			H	—	1.84	1.18		
	100	723			H	—	1.37	0.861		
	150	724			H	—	1.03	0.684		
	200	725			H	—	1.54	1.00		
1624.9	T0	726	200		H	—	4.11	2.09		
	>5	727	25		H	—	2.00	1.03		
	<5	728	40		H	—	1.82	0.960		
200P26		755	10ml		H	250/5	0.868	0.458		
200P24	✓	729	10ml		H	250/5	0.868	0.458		

PRISM Chlorophyll a

Station	Depth (m)	Filter #	Vol Filt. (mL)	Vol Extr. (mL)	Scale	Dilution	Fo	Fa	Fo/Fa	Chl a (ug/L)
25	1	730	250	5	H	250/5	0.580	0.300		
	10	731					0.607	0.325		
	20	732					0.672	0.365		
	28	733					0.633	0.359		
	40	734			↓	↓	0.575	0.350		
	50	735			H	—	4.98	3.10		
	60	736			H	—	4.49	2.95		
	70	737			H	—	3.89	2.55		
	80	738			H	—	3.36	2.28		
	100	739			H	—	2.23	1.59		
	150	740			H	—	0.944	0.644		
↓	200	741	↓	↓	H	—	1.08	0.702		
26	1	742	250	5	H	5/250	0.782	0.414		
	10	743					0.918	0.490		
	20	744					1.12	0.708		
	25	745					1.15	0.718		
	30	746					0.888	0.617		
	40	747			↓	↓	0.603	0.461		
	50	748			H	—	6.99	5.68		
	60	749			H	—	5.13	4.18		
	70	750			H	—	4.70	3.83		
	80	751			H	—	4.32	3.50		
	100	752			H	—	4.55	3.70		
	150	753			H	—	1.22	0.906		
↓	200	754	↓	↓	H	—	0.961	0.697		
28	200P	755		5	H	—	5.24	2.77		
27	1	756	WB-225		H	—	5.80	2.86		
	10	757	WB-215		H	—	7.68	3.84		
	20	758	WB-240		H	—	7.04	3.59		
	30	759	WB-245		H	—	7.80	4.08		
	40	760	WB-249		H	—	8.62	4.65		
	50	761	WB-235		H	—	8.13	4.51		
	60	762	WB-195		H	—	8.74	5.07		
	70	763	WB-72		H	250 mL: 5m	0.627	0.374		
	80	764	WB-84		H	—	8.16	4.64		
↓	100	765	WB-99		H	—	3.91	2.33		

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PRISM Chlorophyll a

Station	Depth (m)	Filter #	Vol Filt. (mL)	Vol Extr. (mL)	Scale	Dilution	Fo	Fa	Fo/Fa	Chl a (ug/L)
27	150	766	WB-62		H	—	1.82	1.08		
↓	200	767	WB-85		H	—	1.05	0.628		
27	200P	768			H	250ul:5ml	1.07	0.566		
28	1	769	WB-207		H	↓	0.867	0.439		
	10	770	WB-185		H	↓	0.891	0.479		
	20	771	WB-200		H	—	4.51	3.07		
	30	772	WB-195		H	—	4.41	3.03		
	40	773	WB-200		H	—	4.36	2.98		
	50	774	WB-210		H	—	4.10	2.67		
	60	775	WB-170		H	—	4.47	2.96		
	70	776	WB-91		H	—	4.14	2.82		
	80	777	WB		H	—	5.30	3.81		
	100	778	WB		H	—	2.28	1.60		
	150	779	WB		H	—	1.68	1.10		
	200	780	WB		H	—	1.39	0.925		
1E24.10	Zero	794	50		H	350/5	0.989	0.505		
1E24.10	> 5	795	35			250/5	1.10	0.563		
1E24.10	< 5	796	45		H	—	1.09	0.595		
29	1	781	250		H	250/5	4.06	2.05		
	10	782			H	↓	3.35	1.77		
	20	783			H	↓	1.79	1.08		
	30	784			H	↓	1.01	0.659		
	40	785			H	↓	0.711	0.459		
	50	786			H	—	10.1	6.75		
	60	787			H	—	8.99	6.00		
	70	788			H	—	5.14	3.82		
	80	789			H	—	4.16	3.16		
	100	790			H	—	2.45	1.87		
	150	791			H	—	1.99	1.47		
	200	792			H	—	1.60	1.19		
29	200P	793			H	—	6.18	3.29		

PRISM Chlorophyll a

Station	Depth (m)	Filter #	Vol Filt. (mL)	Vol Extr. (mL)	Scale	Dilution	Fo	Fa	Fo/Fa	Chl a (ug/L)
1E24.9	Fe1	797	100	5	H	—	6.69	3.24		
	Fe2	798			H	—	6.62	3.33		
	Fe3	799			H	—	6.72	3.35		
	Con1	800			H	—	4.57	2.32		
	Con2	801			H	—	3.02	1.54		
	Con3	802			H	—	3.83	1.94		
D.1524	AFM	803	WB-181	5	H	—	1.56	0.795		
		804	WB-177		H	—	1.77	0.905		
		805	WB-185		H	—	1.81	0.909	0.916	
		806	WB-210		H	—	1.28	0.660		
		807	WB-188		H	—	1.84	0.950		
		808	WB-200		H	—	1.50	0.765		
		809	WB-200		H	—	1.51	0.771		
		810	WB-190		H	—	1.73	0.881		
		811	WB-185		H	—	2.04	1.05		
		812	WB-150		H	—	0.523	0.279		
		813	WB-150		H	←	0.482	0.256		
		814	WB-145		H	—	0.524	0.285	0.285	
		815	WB-145		H	—	0.482	0.262		
		816	WB-135		H	—	0.506	0.273		
		817	WB-148		H	—	0.498	0.270		
		818	WB-130		H	—	0.580	0.312		
		819	WB-140		H	—	0.539	0.285		
		820	WB-150		H	—	0.500	0.259		
030	1	821	250		H	250/5	3.88	1.92		
	10	822					3.34	1.71		
	15	823					1.95	1.09		
	20	824					0.125	0.480		
	30	825					0.607	0.428		
	40	826			H	—	9.04	6.77		
	50	827			H	—	8.12	6.29		
	60	828			H	—	5.96	4.65		
	70	829			H	—	5.39	4.01		
	80	830			H	—	4.72	3.42		
	100	831			H	—	3.69	2.73		

PRISM Chlorophyll a

Station	Depth (m)	Filter #	Vol Filt. (mL)	Vol Extr. (mL)	Scale	Dilution	Fo	Fa	Fo/Fa	Chl a (ug/L)
030	150	832	250	5	H	—	1.94	1.36		
	200	833	250	5	H	—	1.51	1.07		
031	1	834	250	5		20/5	3.01	1.51		
	10	835					1.93	1.01		
	20	836					1.33	0.74		
	30	837					0.867	0.524		
	40	838				✓	0.669	0.418		
	50	839		5	H	—	10.2	6.60		
	60	840			H	—	7.27	4.90		
	70	841			H	—	5.69	3.91		
	80	842			H	—	4.30	2.89		
	100	843			H	—	3.35	2.29		
	150	844			H	—	1.95	1.31		
	200	845	✓	✓	H	—	1.22	0.823		
31	200	846			H	—	7.45	3.99		
		847								
32	1	847	250		H	250/5	2.80	1.42		
	5	848			H		2.74	1.37		
	10	849			H		1.96	0.984		
	20	850			H		1.80	0.922		
	30	851			H		1.33	0.781		
	40	852			H		1.03	0.603		
	50	853			H		0.584	0.379		
	60	854			H	✓	0.603	0.393		
	70	855			H	—	8.90	5.78		
	80	856			H	250/5	0.616	0.400		
	100	857			H	—	2.99	1.91		
	150	858			H	—	2.72	1.74		
	200	859	✓		H	—	1.57	0.998		
		860								
200P32	—	860	10		H	—	10.6	5.44		

PRISM Chlorophyll a

Station	Depth (m)	Filter #	Vol Filt. (mL)	Vol Extr. (mL)	Scale	Dilution	Fo	Fa	Fo/Fa	Chl a (ug/L)
33	1	861	WB-207	5	H	250:5	1.18	0.530		
	5	862	WB-205		H	250:5	0.734	0.410		
	10	863	WB-225		H	—	5.95	3.63		
	20	864	WB-128		H	—	3.43	2.41		
	30	865	WB-210		H	—	3.45	2.38		
	40	866	WB-197		H	—	2.89	2.06		
	50	867	WB-200		H	—	2.72	1.87		
	60	868	WB-195		H	—	2.74	1.85		
	70	869	WB-202		H	—	2.03	1.42		
	80	870	WB-202		H	—	1.47	1.03		
	100	871	WB-156		H	—	1.48	1.04		
	150	872	WB-167		H	—	0.810	0.550		
	200	873	WB-130	✓	H	—	1.04	0.709		
34	1	874	WB-195		H	250:5	1.45	0.630		
	10	875	WB-235		H	250:5	0.823	0.413		
	20	876	WB-225		H	250:5	0.634	0.348		
	30	877	WB-195		H	—	7.27	4.62		
	40	878	WB-175		H	—	7.71	2.87		
	50	879	WB-175		H	—	7.39	4.45		
	60	880	WB-175		H	—	3.53	2.31		
	70	881	WB-193		H	—	1.75	1.21		
	80	882	WB-170		H	—	1.55	1.12		
	100	883	WB-175		H	—	1.07	0.744		
	150	884	WB-165		H	—	0.844	0.604		
	200	885	WB-142		H	—	0.883	0.451		
35	1	886	WB-225		H	250:5	0.817	0.414		
	10	887	WB-230		H	—	9.74	5.03		
	20	888	WB-218		H	—	3.94	2.52		
	30	889	WB-160		H	—	7.86	4.73		
	40	890	WB-193		H	—	5.24	3.25		
	50	891	WB-193		H	—	3.61	2.30		
	60	892	WB-160		H	—	3.38	2.26		
	70	893	WB-145		H	—	3.14	2.13		
	80	894	WB-160		H	—	2.26	1.52		
	100	895	WB-155		H	—	1.43	0.993		