

DATA REPORT
Water Column Characteristics of Barkley and Clayoquot Sound,
August 2004

By

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Abstract

This cruise report contains water column CTD data collected in Effingham Inlet in Barkley Sound and Clayoquot Sound, British Columbia, Canada. Data was collected from August 9-19, 2004 aboard the R/V Barnes. The objectives of the cruise were three-fold; to establish collaborative research efforts with faculty and students from two regional universities in Washington State, to groundtruth satellite and aerial data, and to evaluate the extent of the regional oxygen minimum zone and bacterial growth and distribution in the inlets.

Introduction

The scientific objectives of the August 2004 cruise to the outer inlets of Vancouver Island were to evaluate the water column conditions within the inlets and also to sample near surface light conditions for groundtruthing satellite/aerial data. To accomplish these goals, four types of measurements were made; CTD casts, water samples and incubations, plankton samples and near surface light characteristics. Data from the nutrient, chlorophyll, plankton, bacteria and satellite/aerial groundtruthing samples are still being analyzed. Measurements were made at 70 stations within the region (Figure 1). CTD data and water samples were collected at each station and light measurements, plankton and bacteria samples were collected at selected stations. In addition, supplementary plankton and nearshore samples were collected for incubation and analysis back in the lab as part of the two graduate student projects. We also coordinated sampling with the R/V Wecoma, offshore on the shelf. A calibration CTD station (90), sampled simultaneously by both ships, was done on the shelf off Tofino on August 15, 2005. Chief scientist on the cruise was Cheryl Greengrove from University of Washington, Tacoma and Rick Keil from the University of Washington, Seattle is the Principal Investigator for this project. All further inquiries should be addressed to Dr. Keil. Cruise participants and their affiliations are listed in Table 1.

Methods

CTD casts were made with a SEABIRD 911plus equipped with an oxygen sensor, fluorometer, transmissometer and PAR sensor and lowered at a rate of 20 m/min. Oxygen samples were collected and run on board using the Winkler titration method (Carpenter 1965). Chlorophyll measurements were made using standard fluorescence techniques shipboard (Parsons et al., 1984). The fluorometer broke during the cruise, so the data is not available to report here. Nutrient samples were collected on 50 ml sample bottles and frozen to be analyzed by the UW Marine Chemistry Laboratory upon our return. Phytoplankton samples were collected from the surface niskin and a 20 micron mesh net at the surface, placed in 125 ml glass jars and fixed with formalin for later analysis. Bacterial growth was measured using the thymidine approach of Chin-Leo and Kirchman (1988) and the standard DAPI technique. Light measurements were made with a lightmeter attached to the CTD rosette and surface water characteristics determined by taking surface samples, filtering and storing for future analysis. Oxygen results are provided in Table 2. Table 3 presents the CTD data. All times in Table 3 are local.

References

- Carpenter, J.H. 1965. The Chesapeake Bay Institute technique for the Winkler dissolved oxygen method. *Limnol. Oceanogr.* 10:141-143.
- Chin-Leo G. and Kitchman D.L. (1988) Estimating bacterial production in marine waters from the simultaneous incorporation of thymidine and leucine. *Applied and Environmental Microbiology* 54(8), 1934-1939.
- Parsons, T.R., Miata, Y., and Lalli, C.M. (1984) A manual of chemical and biological methods for seawater analysis. Pergamon Press, Oxford. 173 p.

Figure 1. Approximate locations of the samples taken in 2004.

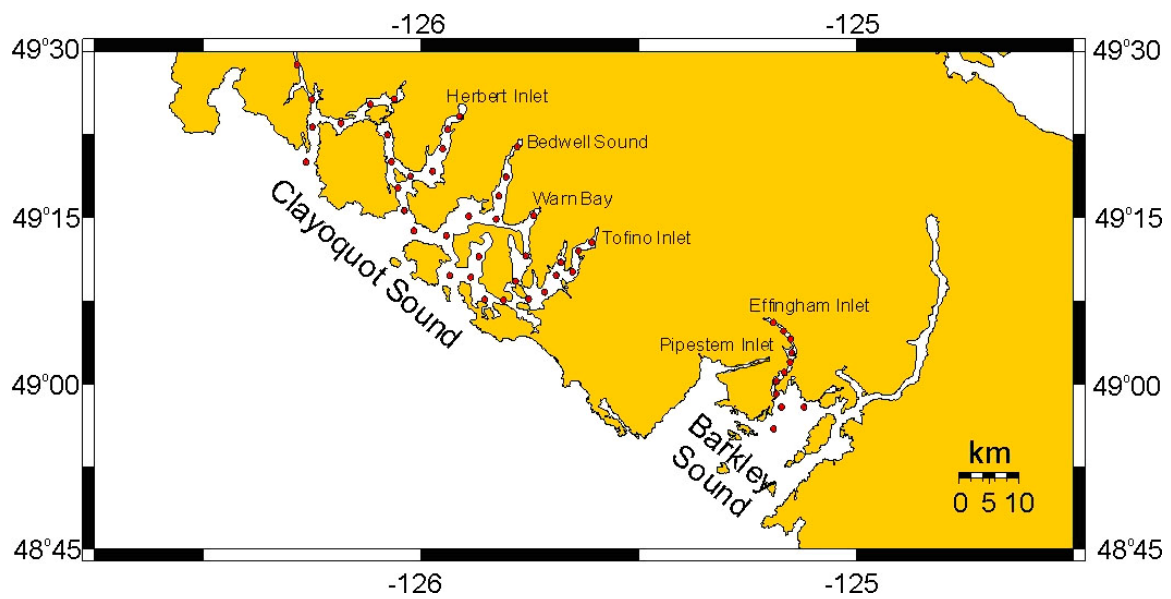


Table 1. Cruise participants and affiliations.

Name	Status	Affiliation
Dr. Cheryl Greengrove	<i>Associate Professor</i>	University of Washington, Tacoma
Kathy Newell	<i>Marine Technician</i>	University of Washington, Seattle
Heather Tallis	<i>Graduate Student</i>	University of Washington, Seattle
Kate Hubbard	<i>Graduate Student</i>	University of Washington, Seattle
Kimberly Genter	<i>Undergraduate</i>	University of Washington, Seattle
Lisa Faubion	<i>Undergraduate</i>	University of Washington, Tacoma
Ray McQuin	<i>Captain</i>	R/V Barnes
Nikki Hicks	<i>First Mate</i>	R/V Barnes

Table 2. Oxygen Data

STATION	NISKIN #	DEPTH (m)	O ₂ BOTTLE	BOTTLE VOLUME (ml)	DOSIMAT (ml)	STANDARD	BLANK	O ₂ (ml/l)
15	1	30	1	138.599	0.42	0.5087	0	3.414084
15	1	30	2	145.944	0.452	0.5087	0	3.484542
15	3	11	3	145.365	0.494	0.5087	0	3.82567
15	3	11	4	137.488	0.474	0.5087	0	3.887573
15	5	1	5	141.56	1.024	0.5087	0	8.169721
15	5	1	6	142.75	0.981	0.5087	0	7.75866
12	1	101	7	136.409	0	0.5087	0	0
12	1	101	8	140.799	0	0.5087	0	0
12	2	8	9	142.225	0.724	0.5087	0	5.743137
12	2	8	10	137.668	0.704	0.5087	0	5.774875
12	3	1	11	140.799	0.869	0.5087	0	6.969002
12	3	1	12	140.145	0.86	0.5087	0	6.929839
9	1	191	13	138.674	0	0.5087	0	0
9	1	191	14	137.155	0	0.5087	0	0
9	3	101	15	141.773	0.143	0.5087	0	1.123636
9	3	101	16	141.165	0.148	0.5087	0	1.168788
9	5	10	17	137.43	0.771	0.5087	0	6.337496
9	5	10	18	142.225	0.783	0.5087	0	6.212622
9	7	1	19	142.363	0.891	0.5087	0	7.064951
9	7	1	20	138.242	0.859	0.5087	0	7.020087
6	1	121	25	147.854	0.2	0.5087	0	1.51123
6	1	121	26	142.588	0.197	0.5087	0	1.545498
6	3	66	27	145.632	0.179	0.5087	0	1.372123
6	3	66	28	145.738	0.184	0.5087	0	1.409885
6	5	11	29	143.553	0.69	0.5087	0	5.420363
6	5	11	30	141.137	0.683	0.5087	0	5.459982
6	7	1	31	147.031	0.994	0.5087	0	7.625983
6	7	1	32	145.935	0.99	0.5087	0	7.653982
3	1	72	1	138.599	0.213	0.5057	0	1.733186
3	1	72	2	145.944	0.227	0.5057	0	1.751746
3	2	6	3	145.365	0.651	0.5057	0	5.078131
3	2	6	4	137.488	0.617	0.5057	0	5.096889
3	3	1	5	141.56	0.907	0.5057	0	7.278469
3	3	1	6	142.75	0.926	0.5057	0	7.367448
2	1	81	7	136.409	0.206	0.5057	0	1.703638
2	1	81	8	140.799	0.213	0.5057	0	1.705033
2	3	6	9	142.225	0.603	0.5057	0	4.809575
2	3	6	10	137.668	0.596	0.5057	0	4.916149
2	5	1	11	140.799	0.926	0.5057	0	7.472743
2	5	1	12	140.145	0.925	0.5057	0	7.500586
60	1	21	1	138.599	0.627	0.505	0	5.144255
60	1	21	2	145.944	0.664	0.505	0	5.166076
60	3	4	3	145.365	0.856	0.505	0	6.692451
60	3	4	4	137.488	0.804	0.505	0	6.656619
60	5	1	5	141.56	0.902	0.505	0	7.248594

60	5	1	6	142.75	0.907	0.505	0	7.226224
63	1	60	7	136.409	0.392	0.505	0	3.262803
63	1	60	8	140.799	0.412	0.505	0	3.319568
63	3	8	9	142.225	0.793	0.505	0	6.339754
63	3	8	10	137.668	0.769	0.505	0	6.357463
63	5	1	11	140.799	1.001	0.505	0	8.090994
63	5	1	12	140.145	0.997	0.505	0	8.097376
65	1	75	13	138.674	0.28	0.505	0	2.28603
65	1	75	14	137.155	0.283	0.505	0	2.337273
65	3	10	15	141.773	0.678	0.505	0	5.435587
65	3	10	16	141.165	0.674	0.505	0	5.427437
65	5	1	17	137.43	0.839	0.505	0	6.950208
65	5	1	18	138.74	0.849	0.505	0	6.964726
69	1	128	25	147.854	0.26	0.505	0	1.984965
69	1	128	26	142.588	0.252	0.505	0	1.99708
69	3	11	27	145.632	0.748	0.505	0	5.834754
69	3	11	28	145.738	0.758	0.505	0	5.908566
69	5	1	29	143.553	0.83	0.505	0	6.573089
69	5	1	30	141.137	0.82	0.505	0	6.608364
71	1	70	1	138.599	0.218	0.505	0	1.776851
71	1	70	2	145.944	0.224	0.505	0	1.730845
71	3	8	3	145.365	0.823	0.505	0	6.433754
71	3	8	4	137.488	0.787	0.505	0	6.515489
71	5	1	5	141.56	0.805	0.505	0	6.467153
71	5	1	6	142.75	0.818	0.505	0	6.515379
73	1	75	1	138.599	0.263	0.5046	0	2.149115
73	1	75	2	145.944	0.274	0.5046	0	2.122955
73	3	7.5	3	145.365	0.697	0.5046	0	5.450453
73	3	7.5	4	137.488	0.661	0.5046	0	5.473946
73	6	1	5	141.56	0.92	0.5046	0	7.399648
73	6	1	6	142.75	0.939	0.5046	0	7.487923
75	1	120	7	136.409	0.274	0.5046	0	2.277087
75	1	120	8	140.799	0.283	0.5046	0	2.276423
75	4	7	9	142.225	0.737	0.5046	0	5.895601
75	4	7	10	137.668	0.721	0.5046	0	5.964394
75	6	1	11	140.799	0.873	0.5046	0	7.059848
75	6	1	12	140.145	0.854	0.5046	0	6.939056
78	1	150	13	138.674	0.303	0.5046	0	2.477324
78	1	150	14	137.155	0.295	0.5046	0	2.439148
78	3	6	15	141.773	0.555	0.5046	0	4.44986
78	3	6	16	141.165	0.561	0.5046	0	4.518175
78	7	1	17	137.43	0.837	0.5046	0	6.939271
78	7	1	18	138.74	0.852	0.5046	0	6.995119
80	1	90	19	142.363	0.347	0.5046	0	2.763511
80	1	90	34	144.269	0.353	0.5046	0	2.773167
80	3	8	21	139.342	0.516	0.5046	0	4.210494
80	3	8	22	138.347	0.508	0.5046	0	4.17576
80	7	1	23	137.538	0.966	0.5046	0	8.005047
80	7	1	24	137.226	0.977	0.5046	0	8.115404
81	1	153	25	147.854	0.32	0.5046	0	2.449196

81	1	153	26	142.588	0.316	0.5046	0	2.510907
81	7	9.5	27	145.632	0.68	0.5046	0	5.307022
81	7	9.5	28	145.738	0.701	0.5046	0	5.467367
81	9	1	29	143.553	0.911	0.5046	0	7.222214
81	9	1	30	141.137	0.897	0.5046	0	7.236508
33	1	49	1	138.599	0.337	0.5046	0	2.758873
33	1	49	2	145.944	0.364	0.5046	0	2.826189
33	3	7	3	145.365	0.663	0.5046	0	5.1837
33	3	7	4	137.488	0.663	0.5046	0	5.490563
33	7	1	5	141.56	0.912	0.5046	0	7.335146
33	7	1	6	142.75	0.917	0.5046	0	7.312066
35	1	125	7	136.409	0.121	0.5046	0	0.995524
35	1	125	8	140.799	0.134	0.5046	0	1.068405
35	3	8	9	142.225	0.663	0.5046	0	5.301833
35	3	8	10	137.668	0.663	0.5046	0	5.483147
35	7	1	11	140.799	0.917	0.5046	0	7.416578
35	7	1	12	140.145	0.904	0.5046	0	7.346378
38	1	90	13	138.674	0.015	0.5046	0	0.105531
38	1	90	14	137.155	0.015	0.5046	0	0.10694
38	3	15	15	141.773	0.413	0.5046	0	3.306732
38	3	15	16	141.165	0.417	0.5046	0	3.353809
38	7	1	17	137.43	0.778	0.5046	0	6.448854
38	7	1	18	138.74	0.788	0.5046	0	6.468312
31	1	3	1	138.599	0.748	0.5067	0	6.119212
31	1	3	2	145.944	0.784	0.5067	0	6.081851
31	3	1	3	145.365	0.795	0.5067	0	6.19276
31	3	1	4	137.488	0.753	0.5067	0	6.211636
86	1	32	5	141.56	0.747	0.5067	0	5.97913
86	1	32	6	142.75	0.754	0.5067	0	5.983431
86	2	3	7	136.409	0.746	0.5067	0	6.203998
86	2	3	8	140.799	0.767	0.5067	0	6.173937
86	3	1	9	142.225	0.815	0.5067	0	6.493587
86	3	1	10	137.668	0.783	0.5067	0	6.451109
42	2	58	11	140.799	0.502	0.5067	0	4.034611
42	2	58	12	140.145	0.516	0.5067	0	4.167635
42	4	6.5	13	138.674	0.745	0.5067	0	6.091195
42	4	6.5	14	137.155	0.737	0.5067	0	6.094509
42	6	1	15	141.773	0.863	0.5067	0	6.899704
42	6	1	16	141.165	0.864	0.5067	0	7.039919
82	2	58	17	137.43	0.61	0.5067	0	5.106544
82	2	58	18	138.74	0.618	0.5067	0	5.122545
82	4	5	19	142.363	0.733	0.5067	0	5.91722
82	4	5	34	144.269	0.753	0.5067	0	5.995164
82	6	1	21	139.342	0.952	0.5067	0	7.865039
82	6	1	22	138.347	0.932	0.5067	0	7.757414
40	2	70	25	147.854	0.337	0.5067	0	2.605176
40	2	70	26	142.588	0.332	0.5067	0	2.665832
40	4	7	27	145.632	0.673	0.5067	0	5.303884
40	4	7	28	145.738	0.666	0.5067	0	5.244537
40	6	1	29	143.553	0.978	0.5067	0	7.832555

40	6	1	30	141.137	0.969	0.5067	0	7.899291
43	1	140	1	138.599	0.675	0.5067	0	5.60264
43	1	140	2	145.944	0.71	0.5067	0	5.583959
43	2	5	3	145.365	0.737	0.5067	0	5.821136
43	2	5	4	137.488	0.701	0.5067	0	5.868429
43	3	1	5	141.56	0.806	0.5067	0	6.546949
43	3	1	6	142.75	0.818	0.5067	0	6.586745
44	1	66	7	136.409	0.628	0.5067	0	5.29904
44	1	66	8	140.799	0.654	0.5067	0	5.338949
44	2	8	9	142.225	0.677	0.5067	0	5.469329
44	2	8	10	137.668	0.656	0.5067	0	5.48303
44	3	1	11	140.799	0.702	0.5067	0	5.73212
44	3	1	12	140.145	0.699	0.5067	0	5.735444
59	2	21	1	138.599	0.693	0.5077	0.001	5.744197
59	2	21	2	145.944	0.731	0.5077	0.001	5.741761
59	4	1	3	145.365	0.723	0.5077	0.001	5.702293
59	4	1	4	137.488	0.685	0.5077	0.001	5.725677
84	2	25	5	141.56	0.461	0.5077	0.001	3.728745
84	2	25	6	142.75	0.473	0.5077	0.001	3.793051
84	3	2.5	7	136.409	0.803	0.5077	0.001	6.772233
84	3	2.5	8	140.799	0.826	0.5077	0.001	6.73962
84	7	1	9	142.225	0.903	0.5077	0.001	7.293035
84	7	1	10	137.668	0.875	0.5077	0.001	7.311116
90	2	50	11	140.799	0.377	0.5077	0.001	3.061836
90	2	50	12	140.145	0.376	0.5077	0.001	3.068612
90	2	50	13	138.674	0.364	0.5077	0.001	3.002947
90	4	3	14	137.155	1.04	0.5077	0.001	8.728817
90	4	3	15	141.773	1.07	0.5077	0.001	8.675458
90	4	3	16	141.165	1.072	0.5077	0.001	8.730878
90	8	2	17	137.43	1.05	0.5077	0.001	8.794536
90	8	2	18	138.74	1.059	0.5077	0.001	8.78248
90	8	2	19	142.363	1.088	0.5077	0.001	8.783615
90	10	1	34	144.269	1.106	0.5077	0.001	8.806098
90	10	1	21	139.342	1.075	0.5077	0.001	8.87526
90	10	1	22	138.347	1.061	0.5077	0.001	8.825282
52	2	45	1	138.599	0	0.5037	0 0	
52	2	45	2	145.944	0	0.5037	0 0	
52	4	18	3	145.365	0.225	0.5037	0	1.775711
52	4	18	4	137.488	0.206	0.5037	0	1.72259
52	6	2	5	141.56	0.447	0.5037	0	3.645496
52	6	2	6	142.75	0.456	0.5037	0	3.686747
52	10	1	7	136.409	0.748	0.5037	0	6.354476
52	10	1	8	140.799	0.744	0.5037	0	6.114044
						0.5037	0 0	

Table 3. CTD data for 70 stations in Barkley and Clayoquot Sounds August 9-19 2004.

Station = 84700101

Date & Time = Aug 10 2004 19:54

Latitude = 48 56.55 N

Longitude = 125 10.57 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	62.2908	10.3878	9.49E+01	6.37811	31.3193	14.6279	23.2147	23.2146
8	76.3033	3.3445	1.79E+01	4.95538	31.5491	12.7055	23.7777	23.7775
12	80.776	2.3958	8.47E+00	4.64906	31.678	11.7002	24.0651	24.0648
16	81.6364	2.0278	5.17E+00	4.38438	31.7394	11.375	24.1714	24.1711
20	82.7608	1.6057	3.46E+00	4.14137	31.8551	10.9104	24.3432	24.3428
24	83.1959	1.5182	2.59E+00	3.95639	31.9447	10.6009	24.4663	24.4658
28	83.0744	1.495	2.09E+00	3.81745	32.0222	10.3538	24.5686	24.5681
32	81.7689	1.478	1.79E+00	3.68859	32.0491	10.2008	24.6153	24.6147
36	79.3441	1.4877	1.61E+00	3.56928	32.0959	10.0656	24.6742	24.6736
40	76.7271	1.4783	1.49E+00	3.47776	32.1375	9.9527	24.7253	24.7246
44	74.5121	1.4751	1.42E+00	3.38909	32.1979	9.8079	24.7962	24.7955
48	72.6413	1.4919	1.37E+00	3.23591	32.2556	9.6335	24.8696	24.8688
52	71.5421	1.4806	1.35E+00	3.14643	32.3062	9.5387	24.9244	24.9235
56	70.4847	1.4845	1.33E+00	3.06735	32.3516	9.4261	24.9778	24.9769
60	69.429	1.4817	1.32E+00	2.79394	32.4187	9.2231	25.0625	25.0615
64	68.5091	1.4962	1.31E+00	2.52689	32.4657	9.0504	25.1263	25.1253
68	67.5556	1.462	1.31E+00	2.30902	32.5225	8.8828	25.1967	25.1957
72	65.6098	1.4564	1.30E+00	1.67361	32.7102	8.4307	25.4124	25.4113
76	63.9744	1.4449	1.30E+00	1.561	32.787	8.3348	25.487	25.4858
80	62.0996	1.4536	1.30E+00	1.69919	32.852	8.3162	25.5407	25.5395
84	59.7299	1.47	1.30E+00	1.86805	32.9263	8.2844	25.6036	25.6024
88	57.8587	1.478	1.30E+00	1.99927	32.9621	8.2729	25.6335	25.6322
92	57.1633	1.4865	1.30E+00	2.05178	32.976	8.268	25.6451	25.6437
96	53.6138	1.5049	1.30E+00	2.07207	32.9984	8.2551	25.6646	25.6631
100	48.4021	1.5247	1.30E+00	2.10675	33.0264	8.2418	25.6886	25.6871

Station = 84700201
 Date & Time = Aug 11 2004 16:08
 Latitude = 48 58.77 N
 Longitude = 125 9.8 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	59.6489	10.0547	2.47E+03	6.70035	31.1739	14.2833	23.1743	23.1742
8	75.1034	10.2171	4.21E+02	4.86144	31.7434	11.6229	24.1299	24.1297
12	82.0624	2.7661	1.30E+02	4.30261	31.8617	10.9977	24.3331	24.3329
16	83.194	1.6222	6.94E+01	4.04229	31.8993	10.6872	24.4162	24.4158
20	83.5146	1.4651	4.14E+01	3.91806	31.9622	10.5263	24.4927	24.4923
24	83.6706	1.4925	2.53E+01	3.89173	32.0188	10.4022	24.5578	24.5573
28	83.6406	1.486	1.60E+01	3.72411	32.0561	10.2246	24.6167	24.6162
32	83.6923	1.4871	1.05E+01	3.56907	32.1072	10.0319	24.6886	24.688
36	83.6353	1.4646	7.10E+00	3.3475	32.1562	9.8219	24.7613	24.7607
40	83.6468	1.4814	5.02E+00	3.24319	32.1838	9.7384	24.7965	24.7958
44	83.5359	1.4619	3.71E+00	3.04055	32.2223	9.5574	24.8558	24.8551
48	83.2672	1.4637	2.89E+00	2.79404	32.2882	9.3586	24.939	24.9382
52	82.8213	1.4584	2.34E+00	2.51735	32.3564	9.1645	25.023	25.0221
56	81.6933	1.4635	1.98E+00	2.01649	32.5101	8.7759	25.2034	25.2025
60	80.6186	1.4605	1.73E+00	1.7539	32.5947	8.6032	25.296	25.2951
64	80.1982	1.459	1.56E+00	1.68329	32.6175	8.5638	25.3197	25.3188
68	79.5817	1.4456	1.45E+00	1.62869	32.6562	8.505	25.3589	25.3579
72	76.7663	1.4592	1.39E+00	1.54385	32.7504	8.3853	25.4507	25.4496
76	70.9504	1.4684	1.35E+00	1.56293	32.8203	8.3333	25.5133	25.5122
80	67.2584	1.4812	1.32E+00	1.64944	32.9009	8.2946	25.5823	25.5811

Station = 84700301
 Date & Time = Aug 11 2004 5:25
 Latitude = 48 59.37 N
 Longitude = 125 11.48 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	62.9601	7.6771	2.05E+03	7.31207	31.2558	14.5836	23.1751	23.175
8	60.7583	18.1991	3.99E+02	5.2109	31.7193	11.7522	24.0878	24.0876
12	71.5608	3.8755	9.03E+01	4.48149	31.8171	11.2401	24.2558	24.2555
16	80.1427	2.0469	4.78E+01	4.2617	31.8963	10.9356	24.3708	24.3705
20	82.6417	1.6184	2.78E+01	4.18058	31.9638	10.714	24.4618	24.4614
24	83.4974	1.3564	1.68E+01	4.05423	32.0038	10.5418	24.5224	24.5219
28	83.6092	1.3161	1.13E+01	3.87676	32.0436	10.3342	24.5885	24.588
32	83.8383	1.2907	7.69E+00	3.62794	32.0883	10.0845	24.6652	24.6646
36	83.9369	1.2919	5.38E+00	3.35288	32.1408	9.8397	24.7464	24.7458
40	83.7814	1.2434	3.95E+00	3.05064	32.2047	9.5872	24.8373	24.8366
44	83.6329	1.2233	3.04E+00	2.80161	32.2481	9.4301	24.8964	24.8956
48	83.1177	1.2197	2.47E+00	2.58115	32.3021	9.2743	24.9632	24.9624
52	82.8535	1.1954	2.08E+00	2.23194	32.4028	9.0065	25.0839	25.0831
56	81.882	1.2009	1.80E+00	1.93085	32.4906	8.8006	25.1844	25.1835
60	79.8323	1.2103	1.61E+00	1.69717	32.576	8.6228	25.2784	25.2775
64	79.6359	1.1921	1.48E+00	1.61198	32.624	8.5522	25.3266	25.3256
68	78.7294	1.2042	1.40E+00	1.59212	32.655	8.5153	25.3565	25.3554
72	78.1009	1.2165	1.35E+00	1.60418	32.6915	8.4826	25.39	25.3889

Station = 84700401
 Date & Time = Aug 11 2004 14:56
 Latitude = 49 0 N
 Longitude = 125 11.05 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	63.7523	7.3541	2.89E+03	7.4758	31.3603	14.2132	23.3324	23.3323
8	62.0348	18.6389	6.23E+02	6.12274	31.668	12.2511	23.9558	23.9557
12	65.3143	9.7014	1.34E+02	4.74211	31.8091	11.384	24.2239	24.2236
16	74.9865	5.9962	6.08E+01	4.3616	31.9014	10.9723	24.3684	24.3681
20	80.8315	3.5812	3.43E+01	4.23821	31.9385	10.8161	24.4244	24.424
24	82.7663	2.1431	2.06E+01	4.04074	31.9932	10.5522	24.5124	24.5119
28	83.3999	1.5591	1.29E+01	3.73343	32.0605	10.2039	24.6236	24.6231
32	83.6545	1.3957	8.39E+00	3.5285	32.096	10.031	24.6801	24.6795
36	83.7849	1.2813	5.72E+00	3.2663	32.1484	9.7949	24.7597	24.759
40	83.765	1.2433	4.10E+00	3.04368	32.1919	9.6229	24.8215	24.8209
44	83.5805	1.2262	3.12E+00	2.73057	32.2623	9.3821	24.9151	24.9144
48	83.2562	1.1958	2.48E+00	2.40131	32.3374	9.1523	25.0101	25.0093
52	82.6862	1.1972	2.05E+00	2.04638	32.4058	8.8959	25.1033	25.1025
56	82.1743	1.1689	1.76E+00	1.77691	32.4865	8.7228	25.1931	25.1922
60	81.2604	1.1704	1.58E+00	1.56414	32.597	8.5434	25.3068	25.3059

Station = 84700501
 Date & Time = Aug 11 2004 14:39
 Latitude = 49 0.33 N
 Longitude = 125 10.69 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	64.2776	7.016	2.81E+03	7.45784	31.1763	14.9626	23.034	23.0339
8	61.2409	23.9628	6.71E+02	6.38794	31.6607	12.3103	23.939	23.9388
12	67.0682	6.6564	1.26E+02	4.92795	31.802	11.4976	24.198	24.1977
16	79.2165	2.4924	4.41E+01	4.46306	31.8803	11.0746	24.3341	24.3338
20	82.5047	1.8048	2.43E+01	4.29703	31.9168	10.892	24.3944	24.394
24	83.2403	1.5215	1.47E+01	4.0462	31.9849	10.5537	24.5056	24.5052
28	83.5068	1.3881	9.34E+00	3.81666	32.0328	10.3114	24.584	24.5835
32	83.9226	1.3116	6.33E+00	3.61313	32.0716	10.1078	24.6483	24.6477
36	83.9178	1.2696	4.50E+00	3.40601	32.1137	9.9245	24.7114	24.7107
40	83.7617	1.2591	3.38E+00	3.01548	32.1936	9.5971	24.827	24.8263
44	83.4128	1.2489	2.66E+00	2.79787	32.2259	9.4652	24.8734	24.8727
48	83.3407	1.2232	2.17E+00	2.47082	32.2583	9.2204	24.9374	24.9367
52	82.8338	1.2292	1.85E+00	1.97659	32.3982	8.8538	25.1039	25.1031
56	81.5155	1.2213	1.64E+00	1.62786	32.5422	8.5972	25.2557	25.2549
60	80.7568	1.2149	1.50E+00	1.43773	32.5873	8.4792	25.3088	25.3079
64	80.6717	1.2246	1.42E+00	1.34565	32.6138	8.4371	25.3359	25.3349
68	80.0348	1.2322	1.36E+00	1.36386	32.633	8.4499	25.3491	25.348
72	79.1326	1.2384	1.34E+00	1.38138	32.6484	8.459	25.3597	25.3587
76	78.1405	1.2457	1.32E+00	1.37542	32.6517	8.4545	25.363	25.3618

Station = 84700601
 Date & Time = Aug 11 2004 13:00
 Latitude = 49 0.92 N
 Longitude = 125 9.77 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	66.3551	3.3478	3.19E+03	7.49862	30.8908	16.1895	22.5471	22.547
8	66.1602	7.0807	8.26E+02	6.80545	31.5832	12.8321	23.7798	23.7796
12	65.5756	12.9478	1.84E+02	5.2449	31.7673	11.6673	24.1404	24.1401
16	71.7118	8.5921	5.78E+01	4.5326	31.8713	11.1298	24.3174	24.317
20	78.6747	4.9335	3.06E+01	4.30012	31.9247	10.8752	24.4035	24.4031
24	81.8425	2.6119	1.86E+01	4.1011	31.9648	10.6261	24.4777	24.4772
28	83.1483	1.8662	1.19E+01	3.80902	32.0099	10.3301	24.563	24.5625
32	83.5989	1.5191	7.94E+00	3.59117	32.046	10.1299	24.6247	24.6241
36	83.7742	1.3778	5.51E+00	3.38954	32.0869	9.9451	24.6871	24.6864
40	83.6936	1.312	4.00E+00	3.08292	32.1337	9.689	24.7654	24.7647
44	83.3362	1.2785	3.03E+00	2.64476	32.1819	9.3678	24.8545	24.8537
48	82.5644	1.2671	2.41E+00	2.31109	32.224	9.1522	24.9214	24.9206
52	81.4365	1.2621	2.00E+00	2.01407	32.2849	8.9426	25.0016	25.0007
56	79.472	1.2617	1.74E+00	1.72719	32.4434	8.661	25.1687	25.1678
60	77.2	1.2558	1.56E+00	1.4658	32.5491	8.4788	25.279	25.2781
64	75.0277	1.2624	1.46E+00	1.34226	32.5885	8.4258	25.3178	25.3168
68	73.1505	1.2714	1.39E+00	1.30237	32.6078	8.4147	25.3346	25.3336
72	71.4481	1.2768	1.35E+00	1.29268	32.632	8.4109	25.354	25.353
76	69.8212	1.2854	1.33E+00	1.33306	32.649	8.4356	25.3638	25.3626
80	68.1887	1.3032	1.32E+00	1.35371	32.6559	8.4486	25.3672	25.366
84	67.1497	1.3062	1.31E+00	1.36164	32.6636	8.4551	25.3722	25.371
88	65.932	1.3153	1.30E+00	1.36952	32.6708	8.4599	25.3772	25.3759
92	65.613	1.3174	1.30E+00	1.38881	32.6756	8.4634	25.3804	25.379
96	65.6361	1.3199	1.30E+00	1.40023	32.6771	8.4643	25.3814	25.38
100	65.6823	1.32	1.30E+00	1.40741	32.6782	8.4648	25.3822	25.3807
104	65.661	1.3262	1.30E+00	1.41553	32.6792	8.4654	25.383	25.3814
108	65.8628	1.3269	1.30E+00	1.42128	32.6807	8.4659	25.3841	25.3824
112	65.8277	1.3329	1.30E+00	1.43337	32.6866	8.4668	25.3886	25.3869
116	65.0411	1.3452	1.30E+00	1.39123	32.6949	8.4597	25.3961	25.3944
120	63.2787	1.3488	1.30E+00	1.37651	32.6949	8.4592	25.3962	25.3944

Station = 84700602
 Date & Time = Aug 11 2004 14:03
 Latitude = 49 0.96 N
 Longitude = 125 9.71W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	65.6917	4.3413	3.09E+03	7.44721	30.887	16.1954	22.543	22.5428
8	64.6496	14.2273	8.85E+02	6.6789	31.5982	12.5674	23.8421	23.8419
12	67.1503	17.9685	1.61E+02	5.33903	31.7532	11.7335	24.1175	24.1172
16	73.0926	9.7836	4.37E+01	4.53478	31.8726	11.1236	24.3194	24.3191
20	78.7969	5.9227	2.25E+01	4.22673	31.9369	10.7858	24.4285	24.4281
24	82.2569	2.8493	1.37E+01	3.96983	31.9818	10.4981	24.5128	24.5123
28	83.4718	1.7986	8.90E+00	3.70724	32.0234	10.2373	24.5891	24.5886
32	83.8059	1.4736	5.96E+00	3.53347	32.0567	10.0865	24.6402	24.6396
36	83.8465	1.3905	4.20E+00	3.36336	32.0855	9.9349	24.6877	24.6871
40	83.7436	1.3592	3.17E+00	3.13709	32.1333	9.7444	24.7561	24.7554
44	83.5571	1.333	2.53E+00	2.77299	32.1775	9.4648	24.8357	24.8349
48	83.2455	1.3286	2.10E+00	2.34782	32.2114	9.1706	24.9086	24.9078
52	82.9525	1.3229	1.81E+00	1.93847	32.2385	8.9119	24.9699	24.9691
56	82.4299	1.325	1.62E+00	1.73436	32.3862	8.7178	25.1153	25.1144
60	81.7074	1.3138	1.50E+00	1.46263	32.5429	8.4777	25.2743	25.2734
64	81.1098	1.3107	1.42E+00	1.33661	32.5855	8.4251	25.3155	25.3145
68	80.3914	1.3156	1.37E+00	1.29044	32.6081	8.4111	25.3353	25.3343
72	79.6786	1.3272	1.33E+00	1.29088	32.6286	8.4143	25.3509	25.3498
76	78.7899	1.3331	1.32E+00	1.32657	32.6484	8.4337	25.3635	25.3624
80	77.7552	1.342	1.31E+00	1.3523	32.6563	8.4496	25.3674	25.3661
84	76.5808	1.3464	1.31E+00	1.35051	32.6645	8.4553	25.3729	25.3717
88	75.7076	1.3548	1.30E+00	1.37634	32.6733	8.4619	25.3788	25.3775
92	75.8355	1.3571	1.30E+00	1.40059	32.6767	8.4644	25.3811	25.3797
96	76.081	1.3665	1.30E+00	1.41757	32.6791	8.4658	25.3828	25.3813
100	76.1354	1.3629	1.30E+00	1.42774	32.6822	8.4669	25.385	25.3835
104	76.1526	1.3628	1.30E+00	1.44847	32.6865	8.469	25.3881	25.3865
108	76.1077	1.3636	1.30E+00	1.4389	32.6881	8.468	25.3895	25.3879
112	74.8929	1.3622	1.30E+00	1.376	32.6931	8.4604	25.3946	25.3929
116	72.922	1.3695	1.30E+00	1.33064	32.6962	8.4551	25.3978	25.3961
120	71.0765	1.4142	1.30E+00	1.29911	32.6911	8.4515	25.3944	25.3925

Station = 84700701
 Date & Time = Aug 11 2004 12:04
 Latitude = 49 1.41 N
 Longitude = 125 9.27 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	68.5003	3.7859	3.07E+03	7.0407	30.7932	15.6437	22.5927	22.5926
8	60.7341	18.0957	8.51E+02	6.47116	31.6563	12.281	23.9411	23.9409
12	67.9151	13.3328	1.57E+02	5.15729	31.783	11.5836	24.1678	24.1675
16	81.0793	3.6417	5.33E+01	4.71719	31.8406	11.275	24.2678	24.2675
20	82.6603	2.0906	2.97E+01	4.43206	31.895	11.0006	24.3585	24.3581
24	83.5049	1.5807	1.74E+01	4.1819	31.9433	10.695	24.449	24.4486
28	83.6344	1.4459	1.09E+01	3.96714	31.9716	10.4706	24.5095	24.5089
32	83.7183	1.3683	7.17E+00	3.59198	32.0339	10.0958	24.6208	24.6203
36	83.7775	1.2893	4.97E+00	3.29952	32.0895	9.8521	24.7044	24.7037
40	83.6785	1.2398	3.61E+00	3.06285	32.1181	9.69	24.7531	24.7524
44	83.5626	1.219	2.76E+00	2.75197	32.1548	9.4498	24.8203	24.8195
48	83.1652	1.1976	2.23E+00	2.39935	32.2398	9.1851	24.9286	24.9278
52	82.6691	1.1733	1.88E+00	2.02244	32.343	8.8875	25.0555	25.0547
56	82.1472	1.1409	1.66E+00	1.64345	32.4723	8.5696	25.2051	25.2043
60	82.1261	1.1292	1.52E+00	1.47707	32.5377	8.4635	25.2723	25.2714
64	81.5575	1.1297	1.43E+00	1.35943	32.5821	8.4295	25.3122	25.3112
68	81.2945	1.1315	1.37E+00	1.31013	32.6007	8.412	25.3293	25.3283
72	80.9736	1.1309	1.34E+00	1.27719	32.6212	8.4021	25.3469	25.3458
76	80.2389	1.1258	1.32E+00	1.30355	32.6419	8.417	25.3609	25.3598
80	79.8487	1.1271	1.31E+00	1.3155	32.6434	8.4206	25.3616	25.3604
84	79.4001	1.13	1.31E+00	1.34499	32.653	8.4335	25.3672	25.3659
88	78.7005	1.1315	1.30E+00	1.40937	32.6654	8.4543	25.3737	25.3724
92	78.0325	1.1373	1.30E+00	1.4478	32.6711	8.4616	25.3772	25.3758
96	77.7144	1.1343	1.30E+00	1.46202	32.6756	8.4652	25.3802	25.3787
100	77.3214	1.1415	1.30E+00	1.47187	32.6819	8.4652	25.385	25.3835
104	76.9326	1.1454	1.30E+00	1.45348	32.6861	8.4619	25.3889	25.3873
108	76.6981	1.1442	1.30E+00	1.43655	32.69	8.4586	25.3924	25.3908
112	75.6879	1.1409	1.30E+00	1.40998	32.6954	8.4544	25.3973	25.3956
116	74.1339	1.1613	1.30E+00	1.36381	32.698	8.4456	25.4006	25.3989

Station = 84700801
 Date & Time = Aug 11 2004 11:36
 Latitude = 49 1.98 N
 Longitude = 125 9.14 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	68.8052	4.9602	3.12E+03	7.22815	30.7342	16.1961	22.4255	22.4254
8	65.6089	10.4614	8.32E+02	6.93611	31.5817	12.6513	23.8133	23.8131
12	65.1973	15.2488	2.11E+02	5.75996	31.7264	11.8041	24.0838	24.0835
16	78.9158	2.6074	5.31E+01	4.84104	31.8294	11.2582	24.2621	24.2618
20	82.8888	1.7434	2.70E+01	4.37416	31.8993	10.888	24.3815	24.3811
24	83.4346	1.521	1.69E+01	4.14467	31.9358	10.6348	24.4536	24.4531
28	83.694	1.3838	1.08E+01	3.83363	31.9529	10.2687	24.5289	24.5284
32	83.8432	1.2996	7.21E+00	3.41339	31.9707	9.8631	24.6099	24.6093
36	83.8179	1.2709	5.06E+00	3.11329	32.0192	9.6771	24.6779	24.6773
40	83.5853	1.2423	3.68E+00	2.78026	32.0546	9.4351	24.7444	24.7437
44	83.5819	1.2276	2.84E+00	2.46327	32.1055	9.2466	24.8139	24.8132
48	83.29	1.2073	2.28E+00	2.18652	32.1684	9.0803	24.8891	24.8883
52	82.8155	1.2053	1.92E+00	1.86896	32.2513	8.866	24.9871	24.9862
56	82.0181	1.1881	1.68E+00	1.67235	32.4006	8.6404	25.1383	25.1374
60	81.3452	1.1954	1.53E+00	1.47133	32.5288	8.4444	25.2682	25.2673
64	80.3013	1.2076	1.44E+00	1.32263	32.5743	8.4114	25.3087	25.3078
68	78.9578	1.2196	1.38E+00	1.23979	32.6039	8.3935	25.3347	25.3337
72	77.6631	1.2289	1.34E+00	1.2248	32.6167	8.3907	25.3451	25.344
76	76.7495	1.225	1.32E+00	1.23791	32.6278	8.3859	25.3545	25.3534
80	76.0779	1.2382	1.31E+00	1.23328	32.6347	8.387	25.3597	25.3585
84	75.195	1.2381	1.31E+00	1.21179	32.6432	8.3908	25.3659	25.3646
88	74.4398	1.2432	1.30E+00	1.30463	32.6603	8.4283	25.3736	25.3723
92	73.7815	1.24	1.30E+00	1.37474	32.6683	8.4446	25.3775	25.3761
96	73.4209	1.247	1.30E+00	1.39929	32.6726	8.4484	25.3803	25.3789
100	73.4508	1.2567	1.30E+00	1.39094	32.6787	8.4451	25.3856	25.3841
104	73.3367	1.2695	1.30E+00	1.41452	32.684	8.4499	25.389	25.3874
108	73.456	1.2609	1.30E+00	1.38738	32.6864	8.4397	25.3924	25.3908
112	73.5568	1.263	1.30E+00	1.35526	32.6898	8.4325	25.3962	25.3945
116	73.5095	1.2646	1.30E+00	1.36463	32.695	8.4372	25.3996	25.3978
120	73.9069	1.2694	1.30E+00	1.2815	32.696	8.4155	25.4036	25.4018
124	74.1493	1.2614	1.30E+00	1.16801	32.6991	8.3866	25.4103	25.4085
128	75.7473	1.2608	1.30E+00	0.99493	32.7105	8.3616	25.423	25.4211
132	76.0302	1.263	1.30E+00	0.83206	32.7206	8.3465	25.4331	25.4312
136	75.5873	1.2673	1.30E+00	0.64574	32.7313	8.3354	25.4432	25.4411
140	76.5612	1.278	1.30E+00	0.48114	32.7465	8.3237	25.4569	25.4548
144	77.8243	1.2931	1.30E+00	0.29845	32.769	8.3022	25.4776	25.4755
148	79.473	1.3162	1.30E+00	0.15238	32.798	8.2662	25.5057	25.5035
152	78.8338	1.331	1.30E+00	0.09155	32.8177	8.2414	25.5249	25.5227
156	76.5572	1.3572	1.30E+00	0.08064	32.8352	8.2179	25.5421	25.5398
160	76.7541	1.3575	1.30E+00	0.07637	32.8442	8.2044	25.5511	25.5487
164	78.0869	1.3602	1.30E+00	0.07541	32.8513	8.1911	25.5586	25.5562

Station = 84700901
 Date & Time = Aug 11 2004 10:42
 Latitude = 49 2.61 N
 Longitude = 125 9.1 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	71.8941	2.8306	2.72E+03	7.30735	30.344	17.5194	21.8237	21.8235
8	69.423	4.644	8.32E+02	7.20316	31.495	13.316	23.6172	23.617
12	67.4888	11.1862	2.38E+02	6.06687	31.7062	11.8124	24.0666	24.0663
16	72.6995	13.1824	5.62E+01	5.08639	31.8108	11.1657	24.264	24.2636
20	79.9655	5.778	2.72E+01	4.58922	31.8625	10.7452	24.3776	24.3772
24	82.3873	2.7028	1.59E+01	4.26101	31.889	10.3911	24.4585	24.458
28	83.4639	1.7673	1.00E+01	3.89638	31.9136	10.1121	24.5244	24.5239
32	83.7568	1.5388	6.66E+00	3.53491	31.9488	9.889	24.5885	24.588
36	83.8208	1.3738	4.66E+00	3.14254	32.0049	9.6757	24.667	24.6664
40	83.7826	1.3303	3.44E+00	2.75266	32.0619	9.4455	24.7484	24.7477
44	83.1349	1.2831	2.68E+00	2.38366	32.1164	9.1986	24.83	24.8293
48	83.3331	1.2426	2.18E+00	2.04587	32.2038	8.9901	24.9308	24.93
52	82.8893	1.2278	1.85E+00	1.83187	32.2983	8.8168	25.0313	25.0305
56	82.3561	1.2033	1.64E+00	1.59904	32.453	8.5402	25.1944	25.1936
60	81.9439	1.1979	1.51E+00	1.47932	32.5408	8.4142	25.2821	25.2812
64	81.1469	1.1954	1.42E+00	1.29674	32.5854	8.3992	25.3193	25.3183
68	80.2195	1.2043	1.37E+00	1.26364	32.602	8.3936	25.3332	25.3322
72	79.1533	1.2115	1.34E+00	1.26318	32.6166	8.3944	25.3444	25.3434
76	78.4071	1.2181	1.32E+00	1.2438	32.6247	8.3887	25.3517	25.3506
80	77.9747	1.2304	1.31E+00	1.23795	32.6295	8.3864	25.3558	25.3546
84	77.5854	1.2346	1.31E+00	1.21469	32.6361	8.3867	25.3609	25.3596
88	77.6046	1.2307	1.31E+00	1.20959	32.6421	8.3753	25.3673	25.366
92	77.4954	1.2315	1.31E+00	1.19826	32.6479	8.3747	25.3719	25.3705
96	77.5108	1.2371	1.30E+00	1.18642	32.6541	8.3704	25.3774	25.376
100	77.5904	1.2358	1.30E+00	1.17148	32.6604	8.3693	25.3825	25.381
104	77.4837	1.2354	1.30E+00	1.1409	32.6665	8.3704	25.3872	25.3856
108	77.3169	1.2327	1.30E+00	1.17748	32.676	8.3814	25.393	25.3914
112	77.6586	1.2426	1.30E+00	1.15388	32.679	8.359	25.3987	25.397
116	77.937	1.2371	1.30E+00	1.15442	32.686	8.3623	25.4036	25.4019
120	78.1915	1.2404	1.30E+00	1.16032	32.689	8.3529	25.4074	25.4056
124	77.3008	1.2376	1.30E+00	1.09653	32.6932	8.3497	25.4112	25.4093
128	77.6181	1.2378	1.30E+00	1.06087	32.7017	8.3461	25.4184	25.4165
132	78.3271	1.2346	1.30E+00	0.93438	32.7131	8.3414	25.428	25.4261
136	78.8949	1.2254	1.30E+00	0.74152	32.726	8.3353	25.439	25.437
140	79.2951	1.226	1.30E+00	0.50221	32.7433	8.3326	25.453	25.4509
144	80.1344	1.2258	1.30E+00	0.23229	32.7775	8.301	25.4845	25.4824
148	81.108	1.2394	1.30E+00	0.11019	32.8029	8.2879	25.5064	25.5042
152	82.0831	1.2479	1.30E+00	0.08467	32.8254	8.2536	25.5291	25.5269
156	82.2042	1.2478	1.30E+00	0.0791	32.8391	8.2229	25.5444	25.5421
160	82.1814	1.2653	1.30E+00	0.07603	32.846	8.208	25.552	25.5497
164	82.4241	1.3081	1.30E+00	0.07459	32.8525	8.1941	25.5592	25.5568
168	82.4421	1.312	1.30E+00	0.07319	32.8608	8.1764	25.5683	25.5658

172	82.358	1.3104	1.30E+00	0.07184	32.8686	8.16	25.5768	25.5743
176	82.6326	1.316	1.30E+00	0.07077	32.8747	8.1474	25.5835	25.5809
180	82.9913	1.3148	1.30E+00	0.07007	32.8819	8.1325	25.5913	25.5887
184	83.1918	1.3195	1.30E+00	0.06935	32.8885	8.1192	25.5985	25.5958
188	83.2989	1.3255	1.30E+00	0.06828	32.8932	8.11	25.6035	25.6007
192	83.3601	1.3369	1.30E+00	0.06779	32.8987	8.0998	25.6093	25.6065

Station = 84701001
 Date & Time = Aug 11 2004 10:16
 Latitude = 49 3.04 N
 Longitude = 125 8.59 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	72.033	3.3396	5.64E+02	7.30803	30.1804	18.2579	21.523	21.5228
8	70.4451	5.2523	1.90E+02	7.3495	31.4454	13.6057	23.5214	23.5212
12	66.3636	13.9279	8.22E+01	5.81767	31.7231	11.5006	24.1362	24.1359
16	75.9663	4.1035	2.90E+01	5.08885	31.8101	11.1311	24.2695	24.2692
20	82.3678	2.1372	1.86E+01	4.60552	31.8693	10.8541	24.364	24.3636
24	83.2122	1.6346	1.25E+01	4.29132	31.8901	10.4909	24.4425	24.442
28	83.4978	1.5153	8.50E+00	3.96518	31.9124	10.1873	24.5109	24.5104
32	83.7429	1.4168	5.94E+00	3.5066	31.9525	9.8577	24.5966	24.596
36	83.8119	1.3449	4.31E+00	3.21018	31.9979	9.7339	24.6521	24.6515
40	83.75	1.2973	3.26E+00	2.77225	32.0618	9.4384	24.7494	24.7487
44	83.6135	1.2606	2.58E+00	2.32568	32.1254	9.1688	24.8417	24.841
48	83.4071	1.2401	2.13E+00	1.91312	32.2281	8.9147	24.9614	24.9606
52	83.1044	1.2287	1.82E+00	1.73175	32.2803	8.7946	25.0207	25.0199
56	82.8696	1.2127	1.63E+00	1.56306	32.4358	8.5557	25.1786	25.1778
60	82.3323	1.222	1.50E+00	1.32903	32.5484	8.4275	25.2861	25.2852
64	81.4861	1.2489	1.42E+00	1.14152	32.5881	8.401	25.3212	25.3202
68	80.6334	1.2409	1.36E+00	-9.99E-29	32.6105	8.3919	25.3401	25.3391

Station = 84701101
 Date & Time = Aug 11 2004 10:00
 Latitude = 49 3.48 N
 Longitude = 125 8.91 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	72.1275	2.591	2.13E+03	7.00669	30.0356	17.6991	21.5456	21.5454
8	70.3902	8.2419	5.91E+02	6.866	31.5771	12.4479	23.8484	23.8482
12	68.1067	13.303	1.61E+02	5.78456	31.7257	11.4713	24.1434	24.1432
16	75.4828	3.2196	4.45E+01	5.03922	31.8088	11.01	24.2898	24.2895
20	82.0685	1.7447	2.31E+01	4.57814	31.8595	10.6709	24.388	24.3876
24	83.3502	1.5507	1.42E+01	4.16115	31.895	10.3264	24.4741	24.4736
28	83.5959	1.4815	9.23E+00	3.80576	31.9061	9.9971	24.5375	24.537
32	83.8284	1.3939	6.17E+00	3.29065	31.9595	9.6617	24.6338	24.6333

Station = 84701201
 Date & Time = Aug 11 2004 9:20
 Latitude = 49 3.96 N
 Longitude = 125 9.09 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	71.8457	3.1082	2.28E+02	7.23444	30.269	17.4207	21.7894	21.7892
8	71.3638	5.0659	6.83E+01	7.14372	31.5346	12.7111	23.7655	23.7653
12	70.8849	12.7792	2.37E+01	5.98251	31.7014	11.4202	24.1338	24.1335
16	71.6739	3.7085	7.51E+00	5.09585	31.799	10.9228	24.2973	24.297
20	79.1322	2.0946	4.50E+00	4.76688	31.8297	10.4611	24.4005	24.4001
24	82.5096	1.5787	3.33E+00	4.17356	31.8853	10.2088	24.4862	24.4858
28	83.4835	1.4606	2.66E+00	3.57276	31.9138	9.8014	24.5755	24.575
32	83.7751	1.3803	2.23E+00	3.1095	31.9651	9.6125	24.6461	24.6455
36	83.8645	1.3232	1.96E+00	2.46603	32.0181	9.3037	24.7366	24.736
40	83.8711	1.3253	1.76E+00	1.9823	32.0943	9.0844	24.8305	24.8298
44	83.7796	1.2925	1.63E+00	1.64224	32.1907	8.9012	24.9342	24.9335
48	83.6131	1.2482	1.53E+00	1.37784	32.2858	8.7542	25.0311	25.0304
52	83.291	1.2239	1.46E+00	1.17135	32.3696	8.6311	25.1154	25.1146
56	83.1086	1.2137	1.41E+00	0.99559	32.4069	8.5713	25.1537	25.1528
60	83.2088	1.2237	1.38E+00	0.90062	32.4272	8.549	25.1729	25.172
64	83.2213	1.2279	1.35E+00	0.70299	32.4435	8.5438	25.1865	25.1855
68	83.2846	1.2871	1.34E+00	0.31623	32.4612	8.551	25.1992	25.1982
72	82.486	1.3309	1.33E+00	0.1159	32.4821	8.5601	25.2143	25.2132
76	77.8492	1.3559	1.32E+00	0.09134	32.5034	8.565	25.2302	25.229
80	77.9365	1.368	1.31E+00	0.08654	32.5275	8.5626	25.2494	25.2482
84	79.3323	1.3924	1.31E+00	0.08233	32.5613	8.5509	25.2777	25.2764
88	81.5824	1.4051	1.30E+00	0.07936	32.5949	8.5353	25.3064	25.3051
92	82.9007	1.4178	1.30E+00	0.0754	32.6077	8.5149	25.3194	25.318
96	83.0959	1.4182	1.30E+00	0.07421	32.62	8.4937	25.3322	25.3308
100	82.9283	1.4387	1.30E+00	0.07273	32.6283	8.4804	25.3408	25.3393

Station = 84701301
 Date & Time = Aug 11 2004 8:46
 Latitude = 49 4.43 N
 Longitude = 125 9.7 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	73.6784	3.1642	1.45E+03	7.93055	30.5979	17.7284	21.9686	21.9684
8	71.9306	4.3872	3.83E+02	7.35613	31.5124	12.9619	23.7	23.6997
12	71.5966	8.6669	1.16E+02	6.13349	31.6914	11.4645	24.1181	24.1178
16	72.5722	5.637	3.40E+01	5.37601	31.7659	10.8337	24.2871	24.2868
20	78.1633	3.4809	1.65E+01	4.91615	31.8153	10.4814	24.3858	24.3854
24	81.4587	2.1528	9.80E+00	4.28665	31.8669	10.0813	24.493	24.4926
28	82.9322	1.7112	6.31E+00	3.56389	31.9024	9.7473	24.5754	24.5749
32	83.496	1.491	4.38E+00	2.8924	31.9608	9.4928	24.6619	24.6613
36	83.7585	1.4042	3.25E+00	2.46275	32.0281	9.2957	24.7457	24.7451
40	83.867	1.3703	2.56E+00	1.82337	32.0837	9.0567	24.8265	24.8259
44	83.7956	1.3295	2.11E+00	1.51047	32.1756	8.8965	24.9231	24.9224
48	83.6949	1.2987	1.83E+00	1.31358	32.2697	8.7713	25.0159	25.0151
52	83.4663	1.2927	1.64E+00	0.92671	32.3631	8.6217	25.1118	25.111
56	83.3645	1.2565	1.51E+00	0.87958	32.4031	8.5772	25.1498	25.1489
60	83.4132	1.2657	1.44E+00	0.79779	32.4236	8.559	25.1685	25.1676
64	83.2576	1.2577	1.39E+00	0.7673	32.4389	8.5457	25.1825	25.1816
68	82.96	1.2849	1.36E+00	0.47643	32.453	8.5478	25.1933	25.1923
72	82.5644	1.362	1.34E+00	0.17069	32.4717	8.5571	25.2066	25.2055
76	79.853	1.401	1.33E+00	0.0961	32.5018	8.5662	25.2287	25.2276
80	78.3143	1.4271	1.31E+00	0.0884	32.5423	8.5664	25.2605	25.2592
84	79.5812	1.45	1.31E+00	0.0844	32.5743	8.556	25.2871	25.2858
88	80.7008	1.5246	1.30E+00	0.08104	32.5986	8.5325	25.3097	25.3084
92	81.7241	1.4735	1.30E+00	0.0785	32.6106	8.5116	25.3222	25.3208
96	82.1867	1.4873	1.30E+00	0.07521	32.621	8.4935	25.3331	25.3316
100	82.3511	1.4792	1.30E+00	0.07438	32.628	8.4814	25.3404	25.3389

Station = 84701401
 Date & Time = Aug 11 2004 8:14
 Latitude = 49 5.18 N
 Longitude = 125 10.62 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	72.9034	3.0767	1.29E+02	7.93161	30.8313	16.735	22.3783	22.3782
8	73.5009	3.6763	4.69E+01	7.1541	31.5586	12.1581	23.8884	23.8882
12	74.035	5.8745	2.01E+01	5.83371	31.6831	11.0004	24.1937	24.1935
16	74.4767	6.1943	7.70E+00	5.23896	31.7478	10.5076	24.3288	24.3285
20	78.7263	3.6364	4.11E+00	5.03635	31.785	10.2055	24.4085	24.4082
24	81.1847	2.492	2.97E+00	4.56302	31.8253	9.9474	24.4827	24.4822
28	82.3846	1.914	2.32E+00	3.18877	31.8494	9.5582	24.5644	24.5639
32	82.6685	1.6716	1.92E+00	1.9667	31.9036	9.3179	24.6449	24.6444
36	82.8942	1.4917	1.68E+00	1.40412	31.972	9.1406	24.7261	24.7255
40	82.8301	1.4279	1.54E+00	0.79549	32.0434	9.0032	24.8032	24.8026
44	82.2659	1.3755	1.44E+00	0.67134	32.1492	8.8654	24.9072	24.9065
48	81.6738	1.3392	1.38E+00	0.55912	32.2548	8.7472	25.0079	25.0072
52	81.9413	1.3184	1.35E+00	0.27715	32.3565	8.6521	25.102	25.1012

Station = 84701501
 Date & Time = Aug 11 2004 7:16
 Latitude = 49 5.53 N
 Longitude = 125 11.68 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	73.6494	3.7738	1.01E+02	8.10508	30.9883	16.1777	22.6247	22.6245
8	73.7387	3.8895	3.26E+01	7.25402	31.5749	12.1767	23.8975	23.8973
12	74.7208	6.313	1.43E+01	5.43067	31.6689	10.8256	24.213	24.2127
16	74.1482	5.6756	5.70E+00	4.2209	31.7252	10.2342	24.3572	24.3569
20	76.3357	3.3406	2.89E+00	3.50491	31.7752	9.8687	24.4564	24.456
24	79.0224	2.3708	2.09E+00	2.73248	31.8267	9.5627	24.546	24.5455
28	80.0397	1.9876	1.71E+00	1.65879	31.8744	9.3625	24.615	24.6145
32	80.2875	1.8856	1.46E+00	-9.99E-29	31.9332	9.2016	24.6863	24.6858

Station = 84703101
 Date & Time = Aug 14 2004 8:29
 Latitude = 49 14.2 N
 Longitude = 126 1.96 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	63.2166	13.5227	7.94E+02	5.76688	30.6117	14.8702	22.6189	22.6188
8	64.7198	11.7893	1.05E+02	5.56198	30.7961	14.4606	22.8465	22.8463
12	71.1394	7.7336	-1.30E+01	-9.99E-29	31.1388	13.5937	23.2869	23.2866

Station = 84703201
Date & Time = Aug 2004
Latitude =
Longitude =

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
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Too Shallow

Station = 84703301
 Date & Time = Aug 13 2004 17:49
 Latitude = 49 17.77.53 N
 Longitude = 126 2.14 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	58.0073	16.0041	1.05E+03	6.56175	30.5545	15.5816	22.4228	22.4226
8	63.3995	14.9675	1.43E+02	5.46339	30.8342	14.038	22.9625	22.9622
12	76.4721	5.0338	3.37E+01	4.36069	30.8629	13.1325	23.1645	23.1642
16	79.8333	3.0794	1.26E+01	3.9327	30.9128	12.8099	23.2652	23.2648
20	81.2141	2.1895	6.37E+00	3.48035	30.9789	12.4113	23.3918	23.3913
24	81.9145	1.7843	4.28E+00	3.23663	31.0181	12.2111	23.4595	23.459
28	82.0947	1.6151	3.05E+00	3.03609	31.0912	12.0091	23.5534	23.5528
32	81.7905	1.5536	2.15E+00	2.89842	31.1737	11.8703	23.6429	23.6421
36	80.7949	1.4829	1.80E+00	2.68359	31.2384	11.6505	23.7329	23.7321
40	79.9178	1.4703	1.56E+00	2.56049	31.2576	11.5603	23.764	23.7631
44	78.4095	1.4643	1.43E+00	2.48623	31.2774	11.5067	23.7889	23.788
48	77.3486	1.4625	1.36E+00	2.56331	31.3283	11.6177	23.8086	23.8075

Station = 84703401
 Date & Time = Aug 13 2004 18:29
 Latitude = 49 18.81 N
 Longitude = 126 0.57 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	72.0307	7.2895	1.28E+03	6.3537	30.2156	16.0521	22.0595	22.0594
8	67.7022	11.7493	2.78E+02	5.2221	30.7896	13.6257	23.0109	23.0106
12	77.1134	4.9142	5.56E+01	4.28632	30.8829	13.1091	23.1845	23.1841
16	78.634	3.3035	2.18E+01	3.95761	30.893	12.8641	23.2395	23.2391
20	81.495	1.8526	1.02E+01	3.32763	30.9069	12.2654	23.3632	23.3628
24	82.5955	1.6408	5.89E+00	2.94257	30.9303	11.9453	23.4403	23.4398
28	82.7352	1.556	3.84E+00	2.07962	30.8267	11.1014	23.5102	23.5097
32	82.576	1.4479	2.73E+00	1.55964	30.912	10.8343	23.6226	23.6219
36	82.243	1.4527	2.09E+00	1.86176	31.0655	11.147	23.6879	23.6872
40	81.6615	1.4558	1.74E+00	2.50535	31.2019	11.5416	23.724	23.7232
44	81.0973	1.4519	1.54E+00	2.48378	31.2149	11.4953	23.7425	23.7415
48	80.9258	1.4324	1.43E+00	2.27028	31.1867	11.2959	23.756	23.755
52	80.6803	1.4255	1.37E+00	2.16935	31.1938	11.217	23.7754	23.7743
56	79.9256	1.426	1.33E+00	2.19517	31.2204	11.2529	23.7897	23.7885
60	79.1469	1.4205	1.32E+00	2.16032	31.2357	11.2616	23.8001	23.7988
64	78.4201	1.4185	1.31E+00	2.13078	31.2364	11.2429	23.8039	23.8026
68	78.1686	1.4153	1.30E+00	2.08732	31.2383	11.2184	23.8096	23.8082
72	77.5314	1.4165	1.30E+00	2.05781	31.2388	11.205	23.8124	23.8109
76	78.0328	1.3949	1.30E+00	2.00274	31.217	11.094	23.8149	23.8133
80	79.5699	1.3662	1.30E+00	1.97058	31.2084	11.0222	23.8208	23.8191
84	80.1075	1.3639	1.30E+00	1.98348	31.2125	11.0245	23.8235	23.8218
88	79.9729	1.3676	1.30E+00	1.99547	31.2207	11.0392	23.8273	23.8255
92	79.7484	1.3636	1.30E+00	1.97119	31.2233	11.0375	23.8297	23.8278
96	79.6043	1.3665	1.30E+00	1.90341	31.2227	11.0243	23.8315	23.8295
100	78.6397	1.3811	1.30E+00	1.74191	31.2206	10.9907	23.8357	23.8337
104	79.0533	1.375	1.30E+00	-9.99E-29	31.2184	10.9717	23.8373	23.8351

Station = 84703501
 Date & Time = Aug 13 2004 19:07
 Latitude = 49 19.68 N
 Longitude = 125 58.62 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	63.0215	10.0478	6.52E+02	7.0088	30.5409	15.0637	22.5235	22.5234
8	66.7228	10.4538	1.24E+02	5.55082	30.7358	13.5967	22.9751	22.9749
12	77.5177	4.92	2.83E+01	3.96258	30.7394	12.6478	23.1618	23.1615
16	81.3696	2.5778	1.13E+01	3.41278	30.7878	12.332	23.2585	23.2582
20	82.2171	2.0136	6.22E+00	3.01381	30.7855	11.9273	23.3313	23.3308
24	82.6773	1.6654	3.97E+00	2.5675	30.8076	11.6218	23.4036	23.403
28	82.8523	1.5222	2.79E+00	2.114	30.8341	11.2164	23.4959	23.4953
32	82.6877	1.4693	2.14E+00	1.95711	30.9436	11.1235	23.5972	23.5966
36	82.1978	1.4243	1.77E+00	1.87448	31.0392	11.0779	23.6795	23.6788
40	81.9589	1.4143	1.56E+00	1.70793	31.0641	10.9601	23.7192	23.7184
44	81.4458	1.3963	1.44E+00	1.87092	31.1218	11.0411	23.7501	23.7492
48	81.3295	1.3842	1.37E+00	1.69103	31.1031	10.9026	23.7595	23.7586
52	81.826	1.3752	1.33E+00	1.49864	31.0963	10.7929	23.773	23.772
56	81.9022	1.3528	1.32E+00	1.59548	31.1167	10.8179	23.7847	23.7835
60	81.9883	1.3422	1.31E+00	1.73858	31.1365	10.8581	23.7931	23.792
64	81.8622	1.3351	1.30E+00	1.91941	31.168	10.9389	23.8037	23.8024
68	81.326	1.3385	1.30E+00	1.9965	31.1854	10.9955	23.8074	23.8061
72	81.0996	1.334	1.30E+00	2.00573	31.1895	11.0058	23.8089	23.8074
76	81.0855	1.3342	1.30E+00	1.97442	31.187	10.984	23.8107	23.8091
80	81.2438	1.3357	1.30E+00	1.91544	31.1802	10.9415	23.8128	23.8111
84	81.2198	1.3361	1.30E+00	1.92323	31.1897	10.9556	23.8177	23.816
88	80.7767	1.3399	1.30E+00	2.0119	31.2096	11.0179	23.8224	23.8206
92	80.4528	1.3372	1.30E+00	1.94817	31.21	11.008	23.8244	23.8226
96	80.4619	1.3447	1.30E+00	1.72604	31.1883	10.9323	23.8207	23.8187
100	80.8352	1.359	1.30E+00	1.48807	31.1919	10.8846	23.8317	23.8296
104	80.7166	1.3603	1.30E+00	1.42523	31.1986	10.8886	23.8362	23.8342
108	80.186	1.3584	1.30E+00	1.47275	31.2084	10.9115	23.8399	23.8377
112	79.9719	1.3637	1.30E+00	1.35037	31.205	10.8844	23.8419	23.8396
116	79.7949	1.3743	1.30E+00	1.20641	31.2053	10.8627	23.8459	23.8436
120	78.8363	1.3901	1.30E+00	1.08788	31.2067	10.8534	23.8486	23.8462
124	79.0749	1.3921	1.30E+00	0.9327	31.2005	10.8153	23.8503	23.8478

Station = 84703601
 Date & Time = Aug 13 2004 19:48
 Latitude = 49 21.73 N
 Longitude = 125 56.99 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	77.4504	2.605	1.46E+02	6.26299	30.1273	15.6867	22.0718	22.0716
8	76.6718	3.0102	5.76E+01	5.98015	30.5255	13.6324	22.8056	22.8054
12	72.8312	4.9524	2.43E+01	5.45754	30.6033	12.912	23.0062	23.0059
16	69.4719	8.3028	8.90E+00	4.23161	30.5933	12.2888	23.1159	23.1156
20	76.6477	5.4175	3.54E+00	3.24667	30.6203	11.8344	23.22	23.2196
24	80.5535	3.4043	2.24E+00	2.6174	30.6387	11.4224	23.3079	23.3074
28	82.2288	2.2595	1.78E+00	2.12528	30.6794	11.0905	23.3976	23.397
32	82.6788	1.7835	1.56E+00	1.57813	30.6962	10.7525	23.4687	23.4681
36	82.8361	1.517	1.45E+00	1.42225	30.8031	10.7299	23.5556	23.5549
40	82.8282	1.4023	1.39E+00	1.10514	30.8613	10.6223	23.6192	23.6184
44	82.7987	1.3407	1.35E+00	1.08362	30.9254	10.605	23.672	23.6712
48	82.737	1.3081	1.33E+00	1.13721	30.9805	10.6332	23.7101	23.7092
52	82.4356	1.3014	1.31E+00	1.10016	31.0334	10.676	23.744	23.743
56	82.1382	1.3012	1.31E+00	1.046	31.0636	10.7038	23.7628	23.7617
60	81.9182	1.3038	1.30E+00	1.01532	31.0839	10.7239	23.7752	23.774
64	81.8335	1.2889	1.30E+00	1.35279	31.116	10.7864	23.7895	23.7882
68	81.8184	1.2796	1.30E+00	1.37782	31.1281	10.7858	23.799	23.7976
72	81.7367	1.2851	1.30E+00	1.39991	31.137	10.7982	23.8038	23.8024
76	81.7124	1.2827	1.30E+00	1.44138	31.1464	10.8112	23.8089	23.8074
80	81.797	1.2821	1.30E+00	1.40412	31.1528	10.8127	23.8136	23.812
84	81.7309	1.289	1.30E+00	1.22257	31.1529	10.7936	23.817	23.8153
88	81.7127	1.2882	1.30E+00	1.1592	31.1556	10.7898	23.8197	23.818
92	81.6914	1.2916	1.30E+00	1.19945	31.1631	10.8009	23.8237	23.8218
96	81.715	1.2964	1.30E+00	1.13363	31.164	10.7902	23.8262	23.8243
100	81.6109	1.304	1.30E+00	0.91745	31.1612	10.7643	23.8284	23.8265
104	81.6105	1.3073	1.30E+00	0.79732	31.1627	10.7521	23.8317	23.8296
108	81.7048	1.3077	1.30E+00	0.63962	31.164	10.7347	23.8357	23.8336
112	81.1912	1.3169	1.30E+00	0.50632	31.1634	10.7161	23.8384	23.8362
116	81.4673	1.3168	1.30E+00	0.44351	31.1656	10.7081	23.8415	23.8392
120	81.4616	1.3234	1.30E+00	0.27596	31.1641	10.6823	23.8447	23.8423
124	81.6073	1.3386	1.30E+00	0.16289	31.1642	10.6695	23.8469	23.8445
128	80.9073	1.3458	1.30E+00	0.34496	31.1764	10.6991	23.8514	23.8489
132	80.929	1.3349	1.30E+00	0.31986	31.1753	10.6874	23.8525	23.8499
136	81.0054	1.3382	1.30E+00	0.24654	31.1722	10.6698	23.8531	23.8504

Station = 84703701
 Date & Time = Aug 13 2004 20:17
 Latitude = 49 23.59 N
 Longitude = 125 56.27 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	77.3657	2.3709	6.24E+01	6.0696	28.9934	17.9838	20.6819	20.6818
8	75.9337	3.2756	2.70E+01	5.68779	30.3748	13.3889	22.7373	22.7371
12	73.814	5.3347	1.13E+01	5.12613	30.444	12.5392	22.9536	22.9533
16	70.2614	7.0105	4.67E+00	3.80504	30.4537	11.7175	23.1118	23.1115
20	75.464	4.1816	2.28E+00	2.37063	30.4579	11.0743	23.2282	23.2278
24	80.3789	2.452	1.69E+00	1.69576	30.5461	10.8576	23.334	23.3335
28	81.7396	1.9299	1.49E+00	1.18419	30.5695	10.5905	23.3974	23.3969
32	82.2318	1.5904	1.41E+00	0.79341	30.6432	10.5063	23.4689	23.4683
36	82.9805	1.3343	1.36E+00	0.36534	30.7949	10.5096	23.5864	23.5858
40	83.2151	1.2888	1.33E+00	0.63747	30.8948	10.5691	23.6542	23.6535
44	82.9553	1.2783	1.32E+00	0.62943	30.961	10.6029	23.7	23.6992
48	82.7325	1.2746	1.31E+00	0.49881	31.0135	10.6314	23.7361	23.7352
52	82.3545	1.272	1.30E+00	0.55724	31.0446	10.6561	23.7561	23.7551
56	82.1736	1.2697	1.30E+00	0.70047	31.0692	10.6856	23.7702	23.7691
60	81.9865	1.2674	1.30E+00	0.70032	31.0886	10.6999	23.783	23.7818
64	81.825	1.2726	1.30E+00	0.67377	31.1018	10.7091	23.7916	23.7904
68	81.7445	1.2702	1.30E+00	0.72341	31.1127	10.7214	23.798	23.7967
72	81.702	1.2684	1.30E+00	0.69348	31.122	10.725	23.8047	23.8033
76	81.6116	1.2698	1.30E+00	0.67762	31.1276	10.7281	23.8084	23.807
80	81.5332	1.268	1.30E+00	0.6386	31.1314	10.7269	23.8116	23.8101
84	81.456	1.2708	1.30E+00	0.65929	31.1379	10.7333	23.8156	23.8139
88	81.4413	1.2666	1.30E+00	0.74104	31.143	10.7426	23.818	23.8163
92	81.31	1.2771	1.30E+00	0.63664	31.1461	10.7303	23.8225	23.8207
96	81.1039	1.2853	1.30E+00	0.39388	31.152	10.7014	23.832	23.8301
100	81.0753	1.2961	1.30E+00	0.25381	31.1551	10.6865	23.8369	23.835
104	80.8891	1.2967	1.30E+00	0.20167	31.1567	10.6798	23.8394	23.8373
108	80.5975	1.3071	1.30E+00	0.1695	31.158	10.6761	23.841	23.8389
112	80.0495	1.3035	1.30E+00	0.14748	31.1594	10.6729	23.8426	23.8404
116	79.6319	1.3089	1.30E+00	0.13812	31.1615	10.6711	23.8446	23.8423
120	78.2912	1.3225	1.30E+00	0.11439	31.1642	10.6668	23.8474	23.8451
124	77.2367	1.3324	1.30E+00	0.10578	31.165	10.6657	23.8482	23.8458

Station = 84703801
 Date & Time = Aug 13 2004 20:48
 Latitude = 49 24.73 N
 Longitude = 125 54.47 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	75.6266	2.4754	9.14E+00	6.05747	28.0135	19.5595	19.5524	19.5523
8	72.9308	3.2466	4.41E+00	5.89903	30.0761	14.0392	22.3775	22.3773
12	74.1102	3.6316	2.38E+00	4.98775	30.2825	12.0789	22.9137	22.9134
16	69.8603	8.2514	1.67E+00	3.78633	30.3174	11.2606	23.0867	23.0864
20	69.8953	5.3001	1.39E+00	2.05906	30.404	10.7998	23.2333	23.2329
24	78.3477	2.6633	1.33E+00	1.19975	30.4989	10.5403	23.3509	23.3504
28	81.3351	1.7622	1.31E+00	0.66551	30.5979	10.4575	23.4417	23.4412
32	82.3081	1.4662	1.31E+00	0.35001	30.6932	10.457	23.516	23.5154
36	83.0145	1.3504	1.30E+00	0.22735	30.8061	10.5139	23.5944	23.5937
40	83.3576	1.2981	1.30E+00	0.17944	30.9226	10.5782	23.6743	23.6736
44	83.3744	1.2947	1.30E+00	0.17271	30.9749	10.6058	23.7104	23.7095
48	83.0597	1.2718	1.30E+00	0.15271	31.0095	10.6236	23.7343	23.7333
52	82.9059	1.2652	1.30E+00	0.14246	31.0353	10.6361	23.7523	23.7513
56	82.7584	1.2726	1.30E+00	0.10901	31.0576	10.6456	23.768	23.7669
60	82.6331	1.2809	1.30E+00	0.08898	31.0722	10.6509	23.7785	23.7773
64	82.4302	1.2735	1.30E+00	0.11778	31.0856	10.6599	23.7874	23.7862
68	82.1446	1.2603	1.30E+00	0.19058	31.0953	10.672	23.7929	23.7916
72	81.6569	1.2708	1.30E+00	0.22908	31.1044	10.6811	23.7984	23.797
76	81.7653	1.2645	1.30E+00	0.19302	31.109	10.6781	23.8025	23.8011
80	81.8176	1.2654	1.30E+00	0.15393	31.1164	10.6754	23.8087	23.8072
84	81.8649	1.2698	1.30E+00	0.11619	31.1241	10.6746	23.8149	23.8132
88	81.9034	1.2747	1.30E+00	0.106	31.1293	10.6747	23.8189	23.8172
92	81.8118	1.2625	1.30E+00	0.0934	31.1343	10.6736	23.8229	23.8211

Station = 84703901
 Date & Time = Aug 13 2004 17:08
 Latitude = 49 20.26 N
 Longitude = 126 4.11 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	71.5388	5.3987	2.15E+03	6.70066	30.3536	16.829	21.9908	21.9907
8	65.0936	12.731	6.09E+02	6.23628	30.8167	14.8602	22.7788	22.7786
12	70.5095	7.1317	1.29E+02	5.22468	30.8875	14.0451	23.0021	23.0017
16	79.6039	2.8014	3.77E+01	4.31176	30.9482	13.2668	23.2042	23.2038
20	82.3862	1.9713	1.73E+01	3.8931	30.9925	12.874	23.3146	23.3141
24	82.9906	1.7781	9.70E+00	3.81666	31.0698	12.8045	23.3878	23.3872
28	82.7516	1.7548	6.00E+00	3.63293	31.1175	12.5772	23.4679	23.4672
32	82.4405	1.6521	3.95E+00	3.53034	31.211	12.4255	23.5689	23.5682
36	82.2872	1.6243	2.80E+00	3.65875	31.2858	12.4576	23.6209	23.62
40	83.1414	1.626	2.14E+00	4.08089	31.4213	12.6339	23.6924	23.6914
44	83.3373	1.5919	1.79E+00	4.01489	31.4278	12.5358	23.7161	23.715
48	83.245	1.5789	1.59E+00	3.89547	31.4363	12.4131	23.7459	23.7447
52	83.0957	1.6184	1.47E+00	3.95448	31.4855	12.4181	23.783	23.7818
56	82.9598	1.6171	1.40E+00	3.91044	31.4994	12.366	23.8036	23.8023
60	82.8361	1.5848	1.36E+00	3.74111	31.4998	12.2204	23.8311	23.8297
64	82.734	1.5998	1.33E+00	3.68736	31.5129	12.1912	23.8467	23.8452
68	82.5146	1.5984	1.32E+00	3.66695	31.5142	12.1733	23.8511	23.8495
72	82.5313	1.5677	1.31E+00	3.51251	31.5031	12.057	23.8641	23.8624
76	82.2094	1.5277	1.30E+00	3.10753	31.4706	11.7597	23.8933	23.8916
80	81.4121	1.5	1.30E+00	2.64868	31.4477	11.5012	23.9222	23.9204
84	79.5003	1.4951	1.30E+00	2.31418	31.444	11.3814	23.9407	23.9389
88	77.7009	1.5053	1.30E+00	2.1904	31.4455	11.3375	23.9496	23.9478
92	76.5131	1.5039	1.30E+00	2.15448	31.4477	11.2947	23.9589	23.957
96	76.597	1.499	1.30E+00	2.1685	31.449	11.2605	23.966	23.964

Station = 84704001
 Date & Time = Aug 14 2004 12:04
 Latitude = 49 21.19 N
 Longitude = 125 47.27 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	52.6028	12.097	2.49E+03	7.09293	29.5452	16.0343	21.5489	21.5488
8	60.6614	18.7429	4.88E+02	5.119	29.8088	14.8381	22.0077	22.0075
12	73.9833	7.3708	9.55E+01	4.08738	29.7729	14.2427	22.1026	22.1023
16	80.8209	2.8817	3.33E+01	3.96068	29.777	13.9489	22.1649	22.1645
20	82.6052	1.9176	1.59E+01	3.89689	29.7633	13.6779	22.2083	22.2077
24	82.8936	1.7567	8.96E+00	3.8876	29.7949	13.6471	22.2387	22.2381
28	82.9562	1.7104	5.38E+00	3.88117	29.8374	13.6625	22.2685	22.2678
32	83.1434	1.6706	3.52E+00	3.64486	29.826	13.4212	22.307	22.3062
36	83.0955	1.6513	2.52E+00	3.67432	29.9469	13.5658	22.372	22.3711
40	83.1349	1.6461	1.99E+00	3.73808	30.0284	13.6792	22.4126	22.4116
44	83.2913	1.6496	1.68E+00	3.30072	29.9977	13.3414	22.4552	22.4541
48	83.2922	1.6532	1.51E+00	3.24094	30.0851	13.4362	22.5042	22.5029
52	82.8284	1.6741	1.42E+00	3.67344	30.2479	13.7941	22.5591	22.5577
56	82.3438	1.6846	1.36E+00	3.42414	30.273	13.6901	22.5993	22.5978
60	82.0939	1.6895	1.33E+00	2.91602	30.2506	13.3998	22.6391	22.6376
64	81.8789	1.6944	1.31E+00	2.57658	30.2655	13.2194	22.6858	22.6842
68	80.9498	1.7061	1.31E+00	2.27398	30.2851	13.1119	22.7217	22.72
72	80.2515	1.7026	1.30E+00	1.97471	30.3004	13.0017	22.7548	22.753

Station = 84704101
 Date & Time = Aug 14 2004 11:43
 Latitude = 49 20.11 N
 Longitude = 125 48.26 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	57.1614	15.6312	2.22E+03	5.40855	29.9061	15.0628	22.0354	22.0353
8	73.375	6.4618	4.55E+02	4.80685	29.9396	14.7432	22.1281	22.1279
12	78.9739	3.0729	1.70E+02	4.59938	29.9542	14.5467	22.1801	22.1797
16	81.4668	2.095	8.31E+01	4.55413	29.9661	14.479	22.2032	22.2028
20	82.4179	1.9255	4.13E+01	4.50533	29.9861	14.3642	22.2421	22.2416
24	82.8423	1.8438	2.21E+01	4.5394	30.0525	14.3855	22.2889	22.2882
28	82.9201	1.8107	1.25E+01	4.59026	30.1155	14.425	22.3294	22.3286
32	82.897	1.7445	7.35E+00	4.54536	30.1277	14.345	22.3551	22.3542
36	83.0149	1.6937	4.60E+00	4.48358	30.1451	14.2842	22.381	22.38
40	83.0501	1.6919	3.13E+00	4.06555	30.1095	13.9435	22.4225	22.4214
44	82.9696	1.6807	2.32E+00	3.79269	30.2181	13.8552	22.524	22.5228
48	82.359	1.7108	1.87E+00	3.84412	30.3573	14.0639	22.5894	22.588
52	80.5	1.7437	1.60E+00	3.53258	30.3794	13.9432	22.6307	22.6293
56	79.0804	1.7541	1.44E+00	3.18299	30.3622	13.7428	22.6576	22.6561
60	77.986	1.7706	1.36E+00	2.71809	30.3515	13.5092	22.6956	22.694
64	76.3697	1.782	1.33E+00	2.42595	30.3451	13.3674	22.7185	22.7168
68	75.1825	1.7957	1.31E+00	2.22171	30.3359	13.2453	22.7352	22.7335

Station = 84704201
 Date & Time = Aug 14 2004 10:30
 Latitude = 49 16.23 N
 Longitude = 125 49.33 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	53.0311	18.4883	2.00E+03	6.68141	29.8505	15.9719	21.7969	21.7968
8	55.6539	21.076	3.21E+02	5.66719	29.9607	15.2528	22.0371	22.0368
12	62.8712	13.1004	5.30E+01	5.49214	30.0336	15.3483	22.0728	22.0724
16	67.2225	10.3442	1.39E+01	5.44484	30.0578	15.3475	22.0915	22.091
20	70.4709	8.1027	5.10E+00	5.39916	30.0702	15.3363	22.1035	22.1029
24	71.6978	6.5708	2.62E+00	5.27107	30.0935	15.2326	22.1435	22.1428
28	75.2966	3.7667	1.79E+00	5.0249	30.1528	15.0184	22.2345	22.2336
32	77.9263	3.3342	1.52E+00	5.04083	30.1915	15.0404	22.2597	22.2587
36	78.1139	3.0413	1.40E+00	4.99116	30.2289	14.9999	22.297	22.2959
40	78.729	2.4062	1.34E+00	4.91231	30.2979	14.8739	22.3766	22.3754
44	80.3468	1.942	1.32E+00	4.78759	30.3206	14.6915	22.4322	22.4309
48	81.6975	1.723	1.30E+00	4.54015	30.3257	14.4107	22.4942	22.4928
52	81.4953	1.749	1.30E+00	4.58035	30.4546	14.5705	22.5606	22.5591
56	78.481	1.8734	1.30E+00	4.13931	30.5259	14.5104	22.628	22.6263
60	66.6709	1.8832	1.30E+00	-9.99E-29	30.463	14.0191	22.6799	22.6782

Station = 84704301
 Date & Time = Aug 14 2004 13:12
 Latitude = 49 14.3 N
 Longitude = 125 45.38 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	60.1794	10.2745	2.43E+03	5.93524	29.5034	16.1758	21.4857	21.4856
8	67.8144	11.1156	5.27E+02	5.43949	29.6856	15.5245	21.7675	21.7673
12	71.9678	7.982	1.58E+02	5.30359	29.7632	15.4063	21.8525	21.8521
16	72.4404	7.303	5.85E+01	5.27261	29.7731	15.3882	21.864	21.8635
20	72.6331	7.3465	2.16E+01	5.26707	29.7765	15.3876	21.8667	21.8661
24	73.0453	7.0017	9.40E+00	5.24312	29.8091	15.3541	21.899	21.8982
28	74.5597	5.3612	4.38E+00	5.11176	29.8879	15.2512	21.9814	21.9806
32	76.8113	3.802	2.62E+00	4.98398	29.9429	15.1723	22.0405	22.0395
36	77.1665	4.1043	1.91E+00	5.01559	29.9883	15.1898	22.0717	22.0706
40	75.4237	4.6801	1.53E+00	5.09053	30.085	15.1987	22.1442	22.1429
44	73.6059	4.8483	1.36E+00	5.11013	30.1179	15.1893	22.1715	22.1701
48	73.5053	4.8004	1.31E+00	5.11133	30.1212	15.1865	22.1746	22.1731
52	73.6852	4.714	1.30E+00	5.10204	30.1225	15.1844	22.1761	22.1745
56	73.647	4.7254	1.30E+00	5.10849	30.1278	15.1818	22.1807	22.179
60	73.4639	4.7709	1.30E+00	5.11006	30.1312	15.181	22.1835	22.1816
64	73.4589	4.76	1.29E+00	5.11154	30.1323	15.1801	22.1845	22.1825
68	73.604	4.6968	1.29E+00	5.1028	30.1301	15.1785	22.1832	22.1811
72	73.559	4.7068	1.29E+00	5.10509	30.1352	15.1758	22.1877	22.1854
76	73.4423	4.6658	1.29E+00	5.10078	30.1347	15.1741	22.1877	22.1853
80	73.5431	4.6864	1.29E+00	5.10231	30.138	15.1732	22.1904	22.1879
84	73.3598	4.7001	1.29E+00	5.10447	30.1383	15.1739	22.1905	22.1879
88	73.3598	4.739	1.29E+00	5.10865	30.1418	15.1735	22.1932	22.1905
92	73.4046	4.7084	1.29E+00	5.10678	30.1422	15.172	22.1938	22.191
96	73.5933	4.6212	1.29E+00	5.09639	30.1397	15.1707	22.1922	22.1892
100	73.7704	4.5928	1.29E+00	5.09262	30.1409	15.169	22.1935	22.1904
104	73.4803	4.6837	1.29E+00	5.09753	30.1495	15.1686	22.2002	22.197
108	73.4194	4.7273	1.29E+00	5.10774	30.1566	15.1674	22.2059	22.2025
112	73.5847	4.7181	1.29E+00	5.10659	30.144	15.1733	22.195	22.1915
116	73.507	4.7379	1.29E+00	5.10809	30.1481	15.1715	22.1985	22.1949
120	73.6279	4.7071	1.29E+00	5.10866	30.1508	15.1693	22.201	22.1973
124	72.9989	4.8209	1.29E+00	5.11787	30.1826	15.1542	22.2287	22.2249
128	72.1735	4.8539	1.29E+00	5.12292	30.1992	15.1455	22.2433	22.2393
132	72.1326	4.7994	1.29E+00	5.11472	30.1922	15.1473	22.2375	22.2334
136	72.1914	4.7858	1.29E+00	5.11225	30.1888	15.1479	22.2348	22.2306
140	72.846	4.6601	1.29E+00	5.10131	30.179	15.15	22.2268	22.2225

Station = 84704401
 Date & Time = Aug 14 2004 14:15
 Latitude = 49 11.08 N
 Longitude = 125 45.72 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	70.1575	5.5459	2.32E+03	5.18774	29.5188	15.5797	21.6275	21.6274
8	72.8874	6.1187	7.39E+02	5.05318	29.5694	15.2786	21.7308	21.7306
12	74.8003	4.9907	2.45E+02	4.93946	29.6258	15.197	21.7915	21.7911
16	76.0644	3.7127	8.77E+01	4.83978	29.671	15.108	21.845	21.8445
20	77.0263	3.0401	3.37E+01	4.81605	29.745	15.0556	21.913	21.9124
24	78.1741	2.6664	1.55E+01	4.82248	29.8225	15.0332	21.9773	21.9766
28	78.4454	3.0025	6.91E+00	4.90763	29.9012	15.0861	22.0267	22.0259
32	78.1799	3.2267	4.18E+00	4.95135	29.9417	15.1163	22.0515	22.0505
36	77.4092	3.748	2.43E+00	5.02949	30.014	15.1745	22.0947	22.0936
40	76.3742	4.09	1.77E+00	5.09033	30.0713	15.2112	22.131	22.1297
44	76.8198	3.4237	1.47E+00	5.03688	30.0858	15.1655	22.1518	22.1505
48	77.7509	2.9289	1.37E+00	4.97969	30.0876	15.1332	22.1601	22.1586
52	78.3243	2.5009	1.33E+00	4.9322	30.0943	15.0989	22.1725	22.1709
56	77.5594	2.3097	1.31E+00	4.88049	30.0939	15.0647	22.1795	22.1777
60	77.189	2.2593	1.30E+00	4.85594	30.0958	15.0544	22.1831	22.1813
64	76.0239	2.261	1.30E+00	4.84359	30.0971	15.0505	22.1849	22.1829
68	74.1501	2.1649	1.30E+00	-9.99E-29	30.0998	15.0259	22.1921	22.19

Station = 84704501
 Date & Time = Aug 17 2004 15:12
 Latitude = 49 7.53 N
 Longitude = 125 45.9 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	68.0178	6.5318	1.94E+03	5.61158	28.438	16.7628	20.5387	20.5385
8	68.4914	6.5803	5.41E+02	5.25868	29.217	16.1542	21.2708	21.2706
12	68.9518	5.7941	1.39E+02	5.1413	29.452	15.8919	21.5086	21.5082
16	69.4231	5.4104	3.65E+01	5.09245	29.5125	15.7562	21.5846	21.5841
20	70.0552	5.2755	1.14E+01	5.08089	29.5275	15.6907	21.6102	21.6096
24	70.2727	5.1551	4.48E+00	5.07022	29.533	15.6525	21.6228	21.622
28	70.7498	4.8477	2.30E+00	5.0213	29.5812	15.5313	21.6859	21.685
32	70.451	4.5775	1.63E+00	4.98095	29.6222	15.4651	21.7316	21.7306
36	69.2036	4.5727	1.41E+00	4.99184	29.6565	15.467	21.7575	21.7564
40	67.8358	4.6387	1.33E+00	4.9993	29.7108	15.4761	21.7972	21.796

Station = 84704701
 Date & Time = Aug 16 2004 14:58
 Latitude = 49 9.93 N
 Longitude = 125 41.38 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	77.6574	2.3577	3.18E+03	6.29491	28.3541	14.8656	20.8829	20.8828
8	78.3585	3.9233	1.22E+03	5.09588	28.7843	14.08	21.3734	21.3732
12	78.1257	4.5792	4.72E+02	4.25756	28.8502	13.656	21.508	21.5076
16	80.7578	3.393	1.94E+02	3.96502	29.009	13.7861	21.605	21.6045
20	81.5909	2.2804	9.63E+01	3.86331	29.0755	13.9222	21.6293	21.6288
24	81.8462	1.9391	5.18E+01	3.8435	29.0995	13.976	21.6371	21.6365
28	82.003	1.8255	2.85E+01	3.80902	29.1566	14.0877	21.6588	21.6581
32	82.0286	1.7922	1.63E+01	4.10065	29.2613	14.3627	21.6841	21.6832
36	81.8349	1.7668	9.53E+00	4.38438	29.3654	14.6336	21.7088	21.7077
40	81.4942	1.7637	5.78E+00	4.39665	29.3942	14.6797	21.7215	21.7203
44	81.1424	1.7785	3.73E+00	4.39993	29.4029	14.6806	21.728	21.7267
48	80.8306	1.7855	2.60E+00	4.41203	29.4152	14.6959	21.7343	21.7329
52	80.4054	1.7951	1.99E+00	4.41264	29.4541	14.7456	21.7539	21.7524
56	78.639	1.8183	1.66E+00	4.38189	29.5398	14.836	21.8011	21.7994
60	76.5993	1.8393	1.47E+00	4.34016	29.5465	14.8253	21.8085	21.8067
64	76.0383	1.8316	1.37E+00	4.33079	29.564	14.8306	21.8209	21.819

Station = 84704801
 Date & Time = Aug 16 2004 15:23
 Latitude = 49 11.8 N
 Longitude = 125 40.45 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	76.2542	2.1949	2.72E+03	6.29834	28.3402	14.4961	20.9477	20.9476
8	77.0565	3.6533	1.01E+03	6.00311	28.648	13.8262	21.3186	21.3184
12	74.3357	6.7063	3.93E+02	4.14639	28.78	13.5113	21.482	21.4817
16	78.9397	4.2317	1.21E+02	3.70042	28.8545	13.5076	21.5402	21.5398
20	81.5504	2.3389	5.07E+01	3.67659	28.9155	13.5694	21.5753	21.5748
24	81.5913	2.0686	2.69E+01	3.66009	28.956	13.637	21.5933	21.5927
28	81.6912	1.9687	1.49E+01	3.61187	28.9706	13.6487	21.6023	21.6016
32	81.802	1.9465	8.54E+00	3.46281	28.9952	13.6664	21.6178	21.617
36	81.3214	1.9284	5.25E+00	2.55442	29.0783	13.6279	21.6895	21.6886
40	64.4177	2.2929	3.37E+00	0.36977	29.5191	13.3723	22.0795	22.0785
44	79.8608	2.5121	1.53E+00	0.15979	29.6215	13.3163	22.1695	22.1684

Station = 84705201
 Date & Time = Aug 17 2004 11:59
 Latitude = 49 13.56 N
 Longitude = 125 35.89 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	68.1402	2.9958	3.14E+03	5.94369	27.8713	15.2454	20.433	20.4328
8	71.6259	6.4961	1.06E+03	4.49725	28.5662	13.2966	21.3583	21.3581
12	71.3645	6.3473	3.22E+02	2.89255	28.758	13.3423	21.4976	21.4973
16	74.4544	4.1844	9.58E+01	2.67189	28.8599	13.4309	21.5592	21.5588
20	74.882	3.7516	3.98E+01	2.64421	28.9124	13.4783	21.5906	21.5901
24	75.9189	2.7555	1.88E+01	2.75219	28.9406	13.522	21.6038	21.6032
28	75.452	2.6175	1.02E+01	2.77221	28.9659	13.5515	21.6176	21.6169
32	73.7005	2.6592	6.10E+00	1.45431	29.08	13.3895	21.7371	21.7363
36	62.4312	2.886	3.44E+00	0.1867	29.4525	13.2899	22.044	22.0431
40	70.1972	3.0275	1.77E+00	0.11372	29.5717	13.2726	22.1394	22.1384
44	71.0571	3.1705	1.45E+00	0.09575	29.6103	13.1957	22.1841	22.183

Station = 84705401
 Date & Time = Aug 17 2004 12:56
 Latitude = 49 10.93 N
 Longitude = 125 38.86 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	72.0248	1.9562	3.32E+03	6.35471	28.2747	14.6364	20.8688	20.8687
8	78.8099	2.3108	1.41E+03	5.86105	28.6058	13.9382	21.264	21.2638
12	78.5409	3.2159	5.86E+02	4.44958	28.8005	13.7233	21.4564	21.4561
16	79.5475	3.5057	2.51E+02	3.46904	28.8993	13.6376	21.5495	21.549
20	81.5642	2.6647	1.21E+02	3.26952	28.9841	13.6181	21.6187	21.6182
24	82.5354	1.877	6.48E+01	3.19123	29.0586	13.7484	21.6507	21.65
28	82.4369	1.6426	3.62E+01	3.28493	29.171	14.0613	21.6752	21.6745
32	82.197	1.5237	2.07E+01	3.87136	29.2869	14.3887	21.6985	21.6976
36	81.957	1.5023	1.21E+01	4.04991	29.3323	14.5318	21.7043	21.7032
40	81.7367	1.495	7.20E+00	4.06415	29.3632	14.621	21.7097	21.7085
44	81.558	1.4852	4.51E+00	4.1433	29.3862	14.67	21.7173	21.7161
48	81.4886	1.4867	3.04E+00	4.25937	29.408	14.6859	21.7308	21.7294
52	81.3719	1.4923	2.24E+00	4.2788	29.4288	14.7047	21.743	21.7414
56	81.1383	1.4846	1.80E+00	4.27809	29.4464	14.7148	21.7544	21.7528
60	80.7937	1.4815	1.57E+00	4.28722	29.4583	14.7208	21.7623	21.7605
64	80.5369	1.4833	1.44E+00	4.25381	29.4672	14.7245	21.7684	21.7665
68	80.2204	1.4791	1.37E+00	4.19161	29.4745	14.7225	21.7744	21.7724
72	79.8798	1.4882	1.33E+00	4.25011	29.4841	14.7333	21.7796	21.7775
76	79.3975	1.4854	1.31E+00	4.23525	29.4899	14.7352	21.7837	21.7814
80	79.2142	1.4762	1.30E+00	4.20782	29.4953	14.7356	21.7877	21.7854
84	79.1079	1.4729	1.30E+00	4.18179	29.4994	14.7346	21.7911	21.7886
88	78.8703	1.4792	1.29E+00	4.24131	29.5119	14.7589	21.7957	21.7931
92	77.8684	1.4911	1.29E+00	4.27224	29.5184	14.7701	21.7984	21.7956
96	77.1712	1.4936	1.29E+00	4.26651	29.5215	14.7714	21.8005	21.7976
100	76.8183	1.5032	1.29E+00	4.25393	29.5265	14.7758	21.8034	21.8005

Station = 84705501
 Date & Time = Aug 17 2004 14:30
 Latitude = 49 9.06 N
 Longitude = 125 41.49 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	72.5674	2.4312	3.72E+03	6.34766	27.8131	16.5173	20.1148	20.1146
8	78.2559	3.7421	1.33E+03	5.58142	28.6961	14.2227	21.2769	21.2767
12	78.357	4.0819	5.60E+02	4.46194	28.8603	14.0051	21.4469	21.4466
16	80.5874	2.5317	2.40E+02	3.81668	28.9411	13.7038	21.5688	21.5683
20	82.0837	1.8364	1.18E+02	3.5362	29.024	13.7448	21.6246	21.6241
24	82.0412	1.6438	6.32E+01	3.61199	29.1052	13.932	21.6503	21.6496
28	81.3341	1.5768	3.47E+01	3.81247	29.1872	14.1619	21.6675	21.6668
32	80.5897	1.5681	1.95E+01	4.19348	29.2916	14.4657	21.6864	21.6855
36	80.1068	1.5694	1.13E+01	4.37476	29.3373	14.6	21.6941	21.693
40	79.5768	1.6062	6.78E+00	4.3481	29.3601	14.6309	21.7053	21.7042
44	78.8915	1.6577	4.31E+00	4.34129	29.3674	14.6149	21.7142	21.713
48	78.741	1.6342	2.91E+00	4.3403	29.4165	14.7124	21.7319	21.7304
52	77.5819	1.7978	2.15E+00	4.43856	29.4846	14.8661	21.7524	21.7509
56	76.8794	1.8205	1.73E+00	4.48707	29.5327	14.9663	21.7685	21.7668
60	75.9839	1.7605	1.50E+00	4.41672	29.5448	14.9538	21.7803	21.7785
64	73.286	1.6847	1.39E+00	4.21972	29.5412	14.8622	21.7968	21.7949

Station = 84705601
 Date & Time = Aug 17 2004 15:49
 Latitude = 49 7.11 N
 Longitude = 125 47.77 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	68.4033	5.4949	2.50E+03	5.16154	29.5453	15.9338	21.571	21.5709
8	68.4954	6.5265	5.85E+02	5.15944	29.5521	15.9214	21.579	21.5787
12	68.7056	6.3086	1.39E+02	5.13951	29.5882	15.8341	21.6257	21.6254
16	68.8284	5.8171	3.92E+01	5.1244	29.624	15.786	21.6637	21.6631
20	68.6555	5.5995	1.18E+01	5.09619	29.6631	15.7244	21.707	21.7064
24	68.5461	5.3385	4.33E+00	5.09442	29.6676	15.7286	21.7096	21.7088
28	68.4545	5.4054	2.20E+00	5.10128	29.6645	15.744	21.7039	21.703
32	68.7052	5.3175	1.58E+00	5.09108	29.6672	15.7125	21.7128	21.7117
36	68.7515	5.193	1.38E+00	5.07667	29.6755	15.6755	21.7272	21.726
40	68.8034	5.2417	1.32E+00	5.07634	29.6705	15.687	21.7209	21.7196

Station = 84705701
 Date & Time = Aug 17 2004 16:10
 Latitude = 49 7.81 N
 Longitude = 125 50.82 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	62.0857	11.5803	2.22E+03	5.70911	30.3947	15.3988	22.3395	22.3394
8	62.2998	10.6505	3.59E+02	5.68824	30.5734	15.1047	22.5399	22.5396
12	62.3272	10.6466	6.09E+01	5.6397	30.7597	14.7138	22.7657	22.7653

Station = 84705801
 Date & Time = Aug 17 2004 16:27
 Latitude = 49 8.42 N
 Longitude = 125 52.49 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	61.0619	12.6015	1.83E+03	5.81247	30.6581	15.0109	22.6249	22.6248
8	60.8203	12.3763	2.80E+02	5.78777	30.9543	14.4271	22.9753	22.9751
12	61.1201	12.5198	5.97E+01	5.74776	31.0578	14.2124	23.0993	23.0989
16	61.3647	12.3543	3.89E+00	5.70174	31.1659	13.9928	23.2276	23.2271

Station = 84705901
 Date & Time = Aug 15 2004 8:49
 Latitude = 49 9.04 N
 Longitude = 125 54.98 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	67.8378	7.2862	4.23E+02	5.20289	29.9766	15.4855	21.9995	21.9994
8	67.645	7.0084	8.31E+01	5.1993	30.0183	15.4413	22.041	22.0408
12	67.3683	7.0973	2.03E+01	5.23848	30.2017	15.2181	22.2298	22.2294
16	67.0329	7.5014	6.19E+00	5.23594	30.3655	14.9809	22.4061	22.4056
20	66.8228	7.4412	2.43E+00	5.22584	30.4656	14.8357	22.5137	22.5131

Station = 84706001
 Date & Time = Aug 12 2004 13:47
 Latitude = 49 20.01 N
 Longitude = 126 15.49 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	60.6511	14.4667	2.37E+03	6.51321	31.4263	14.0583	23.4151	23.415
8	66.4055	12.7511	4.52E+02	6.04208	31.4648	13.8425	23.4887	23.4885
12	68.4531	10.0677	8.32E+01	5.79029	31.4891	13.7097	23.5343	23.534
16	78.567	3.6035	2.86E+01	4.99233	31.672	12.6701	23.8797	23.8793
20	82.3915	2.0119	1.38E+01	4.63969	31.778	11.968	24.0938	24.0933
24	83.3641	1.8204	6.87E+00	4.32698	31.8526	11.5431	24.2292	24.2287

Station = 84706101
 Date & Time = Aug 12 2004 14:52
 Latitude = 49 21.78 N
 Longitude = 126 14.69 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	54.7404	12.38	2.49E+03	7.54576	31.1548	16.0901	22.772	22.7719
8	59.02	15.0162	3.84E+02	6.58551	31.4284	14.4253	23.3411	23.3409
12	64.9938	10.43	7.61E+01	6.07932	31.471	14.0466	23.452	23.4517
16	73.0995	5.2352	1.95E+01	5.23222	31.6082	13.0833	23.7504	23.75
20	79.8806	2.1408	8.29E+00	4.39695	31.7456	12.2165	24.0224	24.022
24	81.4136	1.7623	4.81E+00	4.11607	31.791	11.9716	24.1031	24.1026
28	81.5443	1.6832	3.17E+00	3.97505	31.8154	11.8242	24.1492	24.1486
32	81.2265	1.6476	2.26E+00	3.81627	31.8368	11.6877	24.1907	24.19

Station = 84706201
 Date & Time = Aug 12 2004 15:19
 Latitude = 49 22.96 N
 Longitude = 126 14.72 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	51.2919	11.4535	1.29E+03	7.89996	31.16	15.942	22.8089	22.8088
8	69.2546	15.6426	9.51E+01	6.07157	31.3933	14.1955	23.3615	23.3613
12	81.2903	4.0831	3.55E+01	5.35085	31.482	13.7593	23.5188	23.5185
16	82.2059	2.062	2.14E+01	5.13325	31.519	13.4577	23.6077	23.6073
20	81.6852	2.0559	1.29E+01	5.00258	31.5718	13.2014	23.6992	23.6986
24	81.1537	2.3028	7.81E+00	4.86933	31.6175	12.9488	23.7837	23.7831
28	81.7798	2.136	4.88E+00	4.65943	31.6711	12.6441	23.8839	23.8832
32	81.4955	1.9298	3.31E+00	4.34277	31.7483	12.2006	24.0275	24.0268
36	80.673	1.9136	2.44E+00	4.098	31.7978	11.9179	24.1183	24.1175
40	80.4542	1.8699	1.94E+00	4.00033	31.8117	11.8402	24.1434	24.1425
44	80.0309	1.8711	1.65E+00	3.94947	31.8228	11.7669	24.1654	24.1645
48	79.3751	1.8681	1.49E+00	3.85249	31.8481	11.5939	24.2165	24.2154
52	74.9514	1.8125	1.40E+00	3.57607	31.902	11.2355	24.3226	24.3215
56	65.4957	1.7443	1.34E+00	2.96209	31.9329	10.9775	24.392	24.3909
60	56.7629	1.6979	1.30E+00	-9.99E-29	31.9441	10.8741	24.4187	24.4175

Station = 84706301
 Date & Time = Aug 12 2004 15:51
 Latitude = 49 24.13 N
 Longitude = 126 14.55 W

UpLoad Time = Aug 12 2004 15:51:15
 Latitude = 49 24.13 N
 Longitude = 126 14.55 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	55.0577	7.7262	2.08E+03	7.63803	30.8949	17.2415	22.3102	22.3101
8	60.0273	18.5312	3.45E+02	6.8084	31.3519	14.6419	23.237	23.2367
12	78.1288	8.3881	5.52E+01	5.46384	31.4561	13.7731	23.496	23.4957
16	82.7007	2.4982	2.07E+01	4.84997	31.5844	12.9277	23.7622	23.7618
20	81.6383	1.9653	1.12E+01	4.57159	31.7042	12.4446	23.9475	23.947
24	80.6158	2.1653	6.59E+00	4.43603	31.7427	12.2435	24.0152	24.0146
28	79.2893	2.3432	4.06E+00	4.28369	31.7784	12.0199	24.0845	24.0838
32	79.0952	2.2418	2.69E+00	4.18578	31.794	11.9206	24.1149	24.1141
36	79.268	2.2015	1.99E+00	4.19149	31.7957	11.9048	24.1191	24.1183
40	79.245	2.1313	1.64E+00	4.14097	31.8071	11.8226	24.143	24.1421
44	78.714	2.009	1.47E+00	4.00806	31.8252	11.7135	24.177	24.176
48	79.0227	1.9206	1.38E+00	3.77735	31.8486	11.5882	24.2179	24.2169
52	80.3799	1.7162	1.34E+00	3.43727	31.8799	11.393	24.2773	24.2762
56	78.6569	1.6681	1.32E+00	3.14235	31.9017	11.2403	24.3215	24.3203
60	77.1024	1.6665	1.31E+00	2.96466	31.9184	11.1128	24.357	24.3557

Station = 84706401
 Date & Time = Aug 12 2004 16:26
 Latitude = 49 25.55 N
 Longitude = 126 14.56 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	63.7853	5.9632	2.05E+03	6.75972	30.7939	17.0113	22.2863	22.2861
8	68.5701	8.7692	4.75E+02	6.26154	31.2557	14.4976	23.193	23.1927
12	75.0435	5.7288	1.32E+02	5.61807	31.4136	14.1017	23.3964	23.3961
16	80.6789	2.2675	4.52E+01	5.10727	31.437	13.5855	23.5189	23.5185
20	82.1134	1.9314	2.20E+01	4.5926	31.4954	13.0078	23.6779	23.6774
24	83.0808	1.6981	1.24E+01	4.48762	31.6264	12.5068	23.8754	23.8749
28	83.1757	1.6671	7.68E+00	4.43176	31.6829	12.4164	23.9363	23.9356
32	83.2217	1.629	5.04E+00	4.16716	31.7351	12.117	24.0329	24.0321
36	83.0146	1.6089	3.53E+00	3.87565	31.7886	11.8155	24.1299	24.1291
40	82.542	1.5947	2.64E+00	3.54752	31.8325	11.5369	24.2147	24.2138
44	82.3468	1.593	2.11E+00	3.38073	31.853	11.4051	24.2543	24.2533
48	81.4598	1.5839	1.79E+00	3.09476	31.8756	11.2042	24.3076	24.3066
52	78.4453	1.5935	1.59E+00	2.70586	31.9086	10.9738	24.3738	24.3727
56	76.9549	1.589	1.46E+00	2.52265	31.9223	10.8855	24.3998	24.3987
60	74.368	1.6067	1.37E+00	2.40701	31.9321	10.8273	24.4175	24.4163

Station = 84706501
 Date & Time = Aug 12 2004 16:48
 Latitude = 49 26.31 N
 Longitude = 126 15.61 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	66.5997	4.2938	2.07E+03	6.47955	30.6148	17.5688	22.0192	22.0191
8	69.7111	6.6437	5.06E+02	6.5149	31.1251	14.9051	23.0068	23.0065
12	72.442	6.3938	1.62E+02	5.76622	31.3577	13.6736	23.44	23.4397
16	79.4672	3.3585	5.93E+01	4.95492	31.4989	12.8638	23.7085	23.7081
20	81.7988	2.2179	2.83E+01	4.63056	31.5475	12.6025	23.7961	23.7956
24	82.6737	1.7343	1.56E+01	4.28756	31.6044	12.1956	23.9169	23.9163
28	83.3684	1.601	9.37E+00	4.13673	31.6558	12.0506	23.9837	23.983
32	83.4095	1.5203	6.09E+00	3.93933	31.7257	11.8808	24.0692	24.0685
36	83.2507	1.5024	4.17E+00	3.69949	31.7859	11.6525	24.1576	24.1568
40	82.8784	1.5137	3.03E+00	3.50585	31.8274	11.4949	24.2183	24.2174
44	82.374	1.5172	2.35E+00	3.29342	31.8549	11.3294	24.2693	24.2683
48	81.9641	1.4915	1.93E+00	3.03599	31.8621	11.1216	24.3117	24.3107
52	80.2012	1.5207	1.67E+00	2.80173	31.9091	11.0066	24.3684	24.3673
56	78.7987	1.5135	1.51E+00	2.65506	31.9154	10.917	24.389	24.3878
60	78.5389	1.4874	1.41E+00	2.46391	31.917	10.7569	24.4179	24.4167
64	77.502	1.448	1.36E+00	2.21974	31.9331	10.4937	24.4755	24.4742
68	76.9596	1.4177	1.32E+00	2.06059	31.9537	10.2926	24.5255	24.5242
72	77.1659	1.4029	1.31E+00	1.96431	31.9793	10.1808	24.5641	24.5628
76	58.9442	1.4996	1.29E+00	1.84979	32.0055	10.123	24.5942	24.5928

Station = 84706601
 Date & Time = Aug 12 2004 17:43
 Latitude = 49 27.19 N
 Longitude = 126 16.26 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	65.7628	4.9306	1.49E+03	6.64812	30.6243	17.8163	21.9679	21.9677
8	68.604	7.7047	3.41E+02	6.40429	31.1812	14.6646	23.1007	23.1005
12	77.6418	4.47	9.97E+01	5.45503	31.3956	13.5152	23.5009	23.5006
16	80.0813	3.2423	4.08E+01	5.12167	31.4514	13.1365	23.6188	23.6184
20	81.4554	2.4118	1.94E+01	4.72137	31.5075	12.637	23.7586	23.7581
24	82.6753	1.8311	1.05E+01	4.376	31.607	12.2895	23.9014	23.9008
28	83.4242	1.6305	6.44E+00	3.91343	31.6569	11.8114	24.0285	24.0279
32	83.5321	1.5772	4.37E+00	3.52531	31.7118	11.4928	24.1288	24.1281
36	83.4167	1.5959	3.16E+00	3.44644	31.7863	11.4568	24.1932	24.1924
40	83.2954	1.583	2.43E+00	3.28355	31.8043	11.2991	24.2353	24.2345
44	82.9486	1.5923	2.00E+00	3.07896	31.8263	11.1297	24.2824	24.2815
48	81.9771	1.6084	1.72E+00	2.90936	31.8456	10.995	24.321	24.32
52	81.546	1.5893	1.55E+00	2.62493	31.8512	10.72	24.3731	24.3721
56	81.0036	1.5807	1.45E+00	2.36907	31.8698	10.5013	24.4249	24.4238
60	79.2071	1.6013	1.38E+00	2.26839	31.8982	10.4839	24.45	24.4488
64	78.5986	1.5956	1.34E+00	2.20736	31.9049	10.4194	24.4661	24.4649
68	78.6365	1.5801	1.32E+00	2.06927	31.9319	10.2208	24.5206	24.5193
72	77.2663	1.5758	1.31E+00	2.00736	31.9595	10.1815	24.5486	24.5473
76	76.5744	1.5724	1.30E+00	1.97837	32.0009	10.1049	24.5937	24.5923
80	77.6863	1.5616	1.30E+00	1.97428	32.0216	10.0805	24.6138	24.6123
84	77.6861	1.5564	1.30E+00	2.05203	32.04	10.0718	24.6296	24.628
88	78.1388	1.5519	1.30E+00	2.15124	32.0569	10.0641	24.644	24.6424
92	78.0709	1.5514	1.30E+00	2.13013	32.077	10.0298	24.6654	24.6637
96	77.9585	1.5516	1.30E+00	2.12375	32.0885	10.0058	24.6784	24.6766
100	77.8008	1.5511	1.30E+00	2.01754	32.0963	9.9923	24.6866	24.6848
104	77.5154	1.5593	1.30E+00	1.95402	32.1009	9.9825	24.6919	24.69
108	77.2857	1.5606	1.30E+00	1.90976	32.104	9.9775	24.6951	24.6931
112	76.9937	1.5704	1.30E+00	1.84788	32.1076	9.9713	24.6989	24.6969
116	76.8373	1.5737	1.30E+00	1.81314	32.1136	9.9606	24.7054	24.7033

Station = 84706901
 Date & Time = Aug 12 2004 18:05
 Latitude = 49 28.2 N
 Longitude = 126 16.56 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	66.8095	4.9908	1.23E+03	6.31979	30.4699	18.3824	21.714	21.7139
8	72.1825	5.2163	2.97E+02	6.51314	31.1145	14.7715	23.0268	23.0266
12	70.937	7.0536	1.04E+02	5.85853	31.3366	13.682	23.422	23.4217
16	77.4374	3.0603	3.49E+01	5.06339	31.4288	12.8974	23.6477	23.6473
20	81.8893	2.115	1.63E+01	4.45017	31.4541	12.1657	23.8059	23.8055
24	82.9947	1.701	9.17E+00	4.05434	31.5845	11.9206	23.9523	23.9518
28	83.4034	1.5436	5.76E+00	3.59657	31.6211	11.494	24.0582	24.0576
32	83.5371	1.4601	3.95E+00	3.3645	31.6879	11.3586	24.1343	24.1336
36	83.5547	1.4395	2.91E+00	3.23819	31.7361	11.279	24.1859	24.1851
40	83.4004	1.433	2.29E+00	2.9907	31.7599	11.019	24.2502	24.2494
44	83.2376	1.4055	1.91E+00	2.66368	31.7572	10.658	24.3106	24.3097
48	83.1589	1.3917	1.67E+00	2.40175	31.769	10.4213	24.3599	24.359
52	82.5236	1.3995	1.53E+00	2.39527	31.8296	10.4914	24.3953	24.3943
56	82.5316	1.3864	1.44E+00	2.25721	31.8243	10.3418	24.4164	24.4153
60	82.742	1.3633	1.38E+00	1.9775	31.7908	10.0586	24.4375	24.4364
64	82.9266	1.3553	1.35E+00	1.6975	31.8068	9.932	24.4707	24.4696
68	82.7096	1.3511	1.33E+00	1.68232	31.8443	9.9419	24.4983	24.4971
72	82.7527	1.3474	1.31E+00	1.84993	31.8832	9.9921	24.5204	24.5191
76	82.9006	1.341	1.31E+00	2.08367	31.9353	10.0481	24.5519	24.5505
80	82.9419	1.3368	1.30E+00	2.25841	31.9739	10.0828	24.5763	24.5748
84	82.9117	1.335	1.30E+00	2.38391	32.0085	10.099	24.6005	24.5989
88	82.9441	1.3277	1.30E+00	2.4321	32.0292	10.0895	24.6183	24.6167
92	82.8358	1.3194	1.30E+00	2.40053	32.051	10.0666	24.6391	24.6374
96	82.7509	1.3133	1.30E+00	2.33329	32.0654	10.0458	24.6537	24.6519
100	82.5189	1.3201	1.30E+00	2.21706	32.0813	10.0179	24.6707	24.6689
104	82.1847	1.3201	1.30E+00	2.12639	32.0963	9.9884	24.6873	24.6854
108	81.9389	1.3277	1.30E+00	2.00303	32.1072	9.9669	24.6993	24.6973
112	81.208	1.3278	1.30E+00	1.92359	32.1126	9.9579	24.7051	24.703
116	81.0292	1.3343	1.30E+00	1.89731	32.114	9.9553	24.7066	24.7045
120	80.6876	1.3523	1.30E+00	1.8064	32.1177	9.9486	24.7106	24.7084
124	80.3362	1.3582	1.30E+00	1.73753	32.1203	9.9449	24.7132	24.7109
128	80.4949	1.3465	1.30E+00	1.81086	32.1232	9.9386	24.7165	24.7141

Station = 84707001
 Date & Time = Aug 12 2004 18:42
 Latitude = 49 29.26 N
 Longitude = 126 17.07 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	69.5699	4.8172	1.43E+02	6.10812	30.316	18.9297	21.4626	21.4624
8	73.1639	4.8966	4.44E+01	6.33139	31.1176	14.4264	23.1013	23.1011
12	73.717	6.4081	1.64E+01	5.68178	31.3028	13.1086	23.5093	23.5089
16	79.6805	3.814	6.79E+00	4.91057	31.3284	12.2616	23.6906	23.6902
20	82.456	1.9636	3.85E+00	3.80497	31.4033	11.4373	23.8992	23.8987
24	83.2176	1.589	2.71E+00	3.38434	31.4915	11.1806	24.0131	24.0126
28	83.4152	1.4773	2.14E+00	3.18771	31.5266	10.9885	24.074	24.0735
32	83.4675	1.4221	1.81E+00	3.11872	31.5873	10.9617	24.1259	24.1252
36	83.5963	1.3596	1.61E+00	2.92655	31.6538	10.8759	24.1925	24.1918
40	83.3751	1.3372	1.50E+00	2.44268	31.6089	10.3231	24.2517	24.251
44	83.0568	1.3238	1.42E+00	2.09503	31.6151	10.0631	24.2996	24.2988
48	82.892	1.2992	1.37E+00	1.9458	31.6718	10.0307	24.3493	24.3484
52	82.9446	1.2898	1.34E+00	1.85503	31.7094	9.9935	24.3847	24.3837
56	82.9781	1.2851	1.33E+00	1.75573	31.7267	9.9515	24.405	24.404
60	82.7075	1.2799	1.31E+00	1.57325	31.7504	9.9002	24.4319	24.4308
64	81.934	1.2904	1.31E+00	1.45857	31.8058	9.8918	24.4765	24.4753
68	82.1785	1.2821	1.30E+00	1.67318	31.8772	9.9601	24.5211	24.5198
72	82.4395	1.2741	1.30E+00	2.06107	31.9529	10.0511	24.5651	24.5638
76	82.8419	1.268	1.30E+00	2.27466	31.987	10.0831	24.5864	24.585
80	82.563	1.2614	1.30E+00	2.29549	32.0149	10.0867	24.6075	24.6061
84	82.45	1.261	1.30E+00	2.28829	32.0319	10.0814	24.6217	24.6202
88	81.8491	1.264	1.30E+00	2.1874	32.0472	10.0657	24.6362	24.6346
92	80.9666	1.2731	1.30E+00	2.01679	32.067	10.0378	24.6563	24.6546
96	80.4322	1.2771	1.30E+00	1.88008	32.0866	10.0047	24.6771	24.6753
100	78.38	1.3002	1.30E+00	1.71626	32.098	9.9834	24.6894	24.6876

Station = 84707101
 Date & Time = Aug 12 2004 19:07
 Latitude = 49 30.19 N
 Longitude = 126 17.56 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	69.8494	4.5498	1.13E+02	6.02208	30.3038	18.7728	21.4919	21.4917
8	71.0558	4.3068	3.57E+01	6.16613	31.1162	13.8233	23.2235	23.2233
12	74.8645	4.5856	1.43E+01	5.71031	31.2354	12.8325	23.5106	23.5103
16	76.2744	4.4301	6.60E+00	4.91558	31.2506	11.9944	23.6798	23.6794
20	78.1118	2.8199	3.53E+00	3.85754	31.2914	11.234	23.8482	23.8478
24	80.7763	1.8041	2.41E+00	3.25414	31.4079	10.9835	23.9826	23.9821
28	82.0564	1.5637	1.92E+00	2.80061	31.4032	10.5033	24.0612	24.0607
32	82.3732	1.4193	1.66E+00	2.49776	31.4396	10.2831	24.1264	24.1258
36	82.5662	1.36	1.51E+00	2.26451	31.4854	10.1436	24.1852	24.1846
40	81.9619	1.3269	1.42E+00	2.10678	31.5245	10.077	24.2268	24.226
44	81.9615	1.2873	1.37E+00	1.90379	31.5965	9.9694	24.3006	24.2998
48	81.8684	1.2623	1.34E+00	1.64056	31.6739	9.8954	24.373	24.3722
52	81.3306	1.2452	1.32E+00	1.46121	31.7116	9.8708	24.4064	24.4055
56	80.7392	1.2432	1.31E+00	1.38771	31.7437	9.8671	24.4321	24.4311
60	81.19	1.24	1.30E+00	1.39136	31.7873	9.8787	24.4642	24.4631
64	81.1732	1.2484	1.30E+00	1.39982	31.8245	9.9047	24.489	24.4879
68	80.6447	1.2458	1.30E+00	1.56325	31.8839	9.9649	24.5255	24.5243
72	80.6564	1.2791	1.30E+00	-9.99E-29	31.948	10.0413	24.5629	24.5615

Station = 84707201
 Date & Time = Aug 13 2004 9:16
 Latitude = 49 23.89 N
 Longitude = 126 13.02 W

UpLoad Time = Aug 13 2004 9:16:05
 Latitude = 49 23.89 N
 Longitude = 126 13.02 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	61.7284	9.8177	5.30E+02	7.02045	31.0131	15.9152	22.702	22.7019
8	64.1415	10.4373	1.04E+02	6.56226	31.2491	14.7382	23.1375	23.1373
12	67.4032	9.6585	2.47E+01	5.80076	31.446	14.0839	23.4251	23.4248
16	77.4627	3.5474	8.08E+00	4.96667	31.5989	13.0913	23.7417	23.7413
20	81.4257	1.8432	4.43E+00	4.51872	31.6959	12.5246	23.9258	23.9254
24	81.9763	1.7699	3.00E+00	4.31485	31.7421	12.2509	24.0133	24.0127
28	81.3729	1.6781	2.24E+00	3.97318	31.8031	11.8683	24.1315	24.1309
32	80.4697	1.6722	1.83E+00	3.78317	31.8351	11.6779	24.1911	24.1904
36	79.7979	1.651	1.59E+00	3.55044	31.8653	11.4807	24.2503	24.2495
40	79.3359	1.6195	1.45E+00	3.35761	31.8833	11.3743	24.2833	24.2824
44	77.322	1.6145	1.38E+00	2.9929	31.9136	11.135	24.3494	24.3484
48	73.4414	1.6308	1.34E+00	2.80869	31.9305	11.0179	24.383	24.382
52	71.2012	1.6537	1.31E+00	2.65664	31.9421	10.9227	24.4088	24.4077
56	69.8852	1.6164	1.30E+00	2.41642	31.9468	10.8582	24.4236	24.4225
60	70.912	1.5848	1.30E+00	2.29199	31.9508	10.8204	24.4333	24.4321
64	70.1361	1.6	1.30E+00	2.23946	31.9519	10.8077	24.4363	24.435

Station = 84707301
 Date & Time = Aug 13 2004 9:43
 Latitude = 49 23.37 N
 Longitude = 126 11.24 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	66.8043	6.9669	8.27E+02	6.67023	31.0356	15.6586	22.7758	22.7756
8	69.4732	6.9697	1.79E+02	5.73898	31.2844	14.2267	23.2712	23.2709
12	74.064	5.3613	5.78E+01	5.51807	31.4235	14.0275	23.4193	23.4189
16	79.7309	3.3293	2.42E+01	5.12179	31.5397	13.4725	23.6208	23.6203
20	82.287	2.0431	1.28E+01	4.80432	31.6065	13.0331	23.7589	23.7584
24	82.7703	1.6896	7.74E+00	4.53378	31.6829	12.586	23.9042	23.9036
28	82.3941	1.6785	5.03E+00	4.34815	31.7254	12.3394	23.9837	23.983
32	82.0526	1.6502	3.47E+00	4.05482	31.7875	11.9787	24.0991	24.0984
36	81.8177	1.6113	2.56E+00	3.83112	31.8181	11.8028	24.1552	24.1544
40	81.4682	1.567	2.03E+00	3.57849	31.8548	11.5657	24.2268	24.2259
44	80.7887	1.5549	1.72E+00	3.40456	31.8728	11.4474	24.2621	24.2611
48	80.1431	1.5525	1.54E+00	3.16432	31.8957	11.2723	24.3111	24.3101
52	77.2447	1.5427	1.43E+00	2.54382	31.9406	10.8994	24.4116	24.4106
56	74.7179	1.5336	1.37E+00	2.3787	31.949	10.8388	24.4286	24.4275
60	74.0943	1.5213	1.33E+00	2.26697	31.9563	10.7648	24.4472	24.446
64	73.8784	1.5096	1.31E+00	2.13943	31.9649	10.6753	24.4693	24.468
68	74.3201	1.4861	1.30E+00	2.05828	31.9732	10.5659	24.4944	24.4931
72	75.4443	1.4531	1.30E+00	2.02072	31.9797	10.4959	24.5114	24.51
76	73.5734	1.4571	1.30E+00	1.90468	31.9951	10.3532	24.5476	24.5461

Station = 84707401
 Date & Time = Aug 13 2004 10:21
 Latitude = 49 23.67 N
 Longitude = 126 9.75 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	68.835	7.5994	1.21E+03	6.06272	30.9011	15.5294	22.7005	22.7004
8	74.1425	4.2237	3.14E+02	5.18156	31.2172	13.9773	23.2703	23.27
12	78.235	3.1677	1.24E+02	5.07527	31.4101	13.6648	23.4822	23.4819
16	80.7515	1.9738	5.89E+01	4.8839	31.544	13.2284	23.6723	23.6719
20	82.6433	1.6876	2.97E+01	4.68267	31.6128	12.9023	23.7892	23.7887
24	83.0251	1.5462	1.77E+01	4.41299	31.6886	12.5141	23.9223	23.9217
28	83.0514	1.5412	1.10E+01	4.24874	31.7297	12.3076	23.9931	23.9924
32	82.8974	1.5331	7.00E+00	3.98027	31.7851	11.9828	24.0965	24.0958
36	82.4117	1.5266	4.75E+00	3.719	31.8328	11.7036	24.1847	24.1839
40	81.8315	1.5289	3.39E+00	3.44424	31.8647	11.4935	24.2475	24.2466
44	81.4852	1.5172	2.51E+00	3.33108	31.8732	11.4325	24.2651	24.2641
48	81.2389	1.5011	1.99E+00	3.24102	31.8824	11.3664	24.284	24.283
52	80.7629	1.507	1.69E+00	2.9181	31.9104	11.1367	24.3465	24.3454
56	79.5588	1.494	1.52E+00	2.57071	31.9365	10.8887	24.4103	24.4092
60	78.7884	1.4713	1.42E+00	2.45198	31.9524	10.6519	24.4636	24.4624
64	79.4315	1.4363	1.36E+00	2.47932	31.9574	10.537	24.4871	24.4858
68	80.0839	1.4036	1.33E+00	2.45854	31.9604	10.4962	24.4963	24.495
72	80.2528	1.3973	1.32E+00	2.38226	31.9675	10.4489	24.5099	24.5085
76	80.051	1.3946	1.31E+00	2.34873	31.9715	10.4186	24.5182	24.5167
80	79.6202	1.3953	1.30E+00	2.35976	31.9722	10.4044	24.5211	24.5195
84	79.6432	1.3979	1.30E+00	2.36599	31.9766	10.3731	24.5298	24.5282

Station = 84707501
 Date & Time = Aug 13 2004 10:43
 Latitude = 49 24.01 N
 Longitude = 126 8.19 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	65.0511	10.1843	1.83E+03	6.26145	30.8838	15.4751	22.699	22.6989
8	68.6992	7.5084	3.02E+02	5.6751	31.0358	14.7792	22.9646	22.9644
12	74.542	3.8784	8.07E+01	5.19839	31.2457	13.9259	23.3027	23.3024
16	79.6098	2.0827	3.19E+01	4.5709	31.5237	12.8772	23.7251	23.7247
20	82.4068	1.6769	1.78E+01	4.39739	31.6238	12.5814	23.8592	23.8587
24	83.0233	1.5655	1.22E+01	4.28851	31.6776	12.3844	23.9382	23.9377
28	83.077	1.5385	8.42E+00	4.20601	31.7163	12.2732	23.9891	23.9884
32	82.9647	1.5161	5.75E+00	3.96112	31.7876	11.9606	24.1025	24.1018
36	82.5606	1.493	3.83E+00	3.675	31.8287	11.6881	24.1843	24.1835
40	82.0765	1.488	2.71E+00	3.33386	31.8698	11.429	24.263	24.2622
44	81.3818	1.4818	2.11E+00	3.19612	31.8839	11.337	24.2904	24.2895
48	81.2374	1.4775	1.81E+00	2.94026	31.9076	11.1507	24.3419	24.3409
52	80.607	1.4615	1.64E+00	2.7629	31.9211	11.0329	24.3731	24.372
56	80.0635	1.4593	1.51E+00	2.65607	31.9292	10.9648	24.3913	24.3902
60	79.1909	1.4536	1.42E+00	2.50572	31.9417	10.8427	24.4223	24.4211
64	79.1742	1.4339	1.35E+00	2.49886	31.9487	10.6959	24.4531	24.4519
68	80.1519	1.4034	1.33E+00	2.50856	31.9577	10.5481	24.4855	24.4841
72	80.6175	1.3878	1.31E+00	2.49474	31.9661	10.4366	24.5109	24.5095
76	80.9656	1.3691	1.31E+00	2.44359	31.9876	10.3077	24.5494	24.5479
80	80.8963	1.3667	1.30E+00	2.2382	32.0151	10.226	24.5845	24.583
84	80.0083	1.3706	1.30E+00	2.1239	32.0297	10.1876	24.6023	24.6007
88	78.934	1.37	1.30E+00	2.17576	32.0351	10.1687	24.6097	24.6081
92	78.507	1.3732	1.30E+00	2.12955	32.036	10.1684	24.6104	24.6087
96	77.9127	1.381	1.30E+00	2.09674	32.0364	10.1683	24.6108	24.609
100	77.6085	1.3855	1.30E+00	2.07177	32.037	10.1677	24.6113	24.6094
104	76.8224	1.3895	1.30E+00	2.03507	32.0403	10.1593	24.6153	24.6134
108	75.5653	1.3941	1.30E+00	2.04666	32.0436	10.1492	24.6195	24.6175
112	74.6854	1.399	1.30E+00	2.06518	32.0468	10.1395	24.6237	24.6216
116	74.1455	1.4002	1.30E+00	2.09258	32.0518	10.1251	24.6299	24.6278
120	72.8114	1.4015	1.30E+00	2.11412	32.0551	10.1154	24.6342	24.6319

Station = 84707601
 Date & Time = Aug 13 2004 11:25
 Latitude = 49 24.85 N
 Longitude = 126 7.84 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	61.7362	6.9017	2.54E+03	7.24475	30.7448	16.1492	22.4441	22.444
8	70.5573	9.7264	5.71E+02	5.53984	31.1421	14.0807	23.1913	23.1911
12	77.0652	5.8134	1.66E+02	4.78713	31.3413	13.3887	23.4841	23.4838
16	80.3892	3.3937	7.32E+01	4.59431	31.425	13.1338	23.5988	23.5984
20	81.5886	2.4282	3.78E+01	4.33179	31.5554	12.6432	23.7945	23.794
24	82.1924	2.0997	2.12E+01	4.16583	31.6222	12.3111	23.909	23.9085
28	82.8823	1.7229	1.26E+01	3.9807	31.6911	12.0016	24.0201	24.0195
32	83.0746	1.5475	7.96E+00	3.97616	31.779	11.9273	24.102	24.1013
36	83.0945	1.4772	5.25E+00	3.82718	31.8046	11.7153	24.1607	24.1598
40	82.9478	1.4477	3.66E+00	3.67179	31.8376	11.5934	24.2084	24.2075
44	82.6769	1.4417	2.71E+00	3.36969	31.8684	11.3458	24.2768	24.2758
48	82.2747	1.4283	2.15E+00	3.09052	31.8978	11.1551	24.3335	24.3325
52	81.6376	1.4181	1.80E+00	2.88584	31.9169	11.0369	24.3691	24.3681
56	80.7967	1.4164	1.59E+00	2.7017	31.9355	10.9053	24.4066	24.4055
60	81.0979	1.4006	1.47E+00	2.70433	31.9399	10.8326	24.4227	24.4215
64	81.4881	1.3843	1.39E+00	2.66446	31.9113	10.5127	24.4554	24.4541
68	82.2974	1.3506	1.35E+00	2.65951	31.9077	10.3173	24.4856	24.4843
72	82.6124	1.333	1.33E+00	2.66162	31.9307	10.2804	24.5097	24.5083
76	82.5835	1.3266	1.32E+00	2.68078	31.9574	10.2679	24.5325	24.5311
80	82.5408	1.3266	1.31E+00	2.64865	31.9871	10.2449	24.5595	24.558
84	82.3836	1.3206	1.30E+00	2.58629	32.0001	10.228	24.5725	24.5709
88	82.1652	1.3228	1.30E+00	2.50344	32.0134	10.2037	24.587	24.5853
92	81.9904	1.3235	1.30E+00	2.42847	32.0213	10.1894	24.5955	24.5938
96	81.6644	1.3248	1.30E+00	2.36416	32.0298	10.1704	24.6053	24.6035
100	81.629	1.3255	1.30E+00	2.34793	32.0326	10.1644	24.6084	24.6066
104	80.7126	1.3324	1.30E+00	2.19706	32.0369	10.1615	24.6123	24.6104
108	79.7841	1.3447	1.30E+00	2.19054	32.0413	10.1514	24.6174	24.6154
112	79.1316	1.3445	1.30E+00	2.18928	32.0439	10.1437	24.6207	24.6186
116	79.0145	1.3482	1.30E+00	2.23065	32.0477	10.1313	24.6257	24.6235
120	78.8761	1.3457	1.30E+00	2.28597	32.0529	10.1174	24.6321	24.6298
124	78.6729	1.3433	1.30E+00	2.31986	32.0562	10.1085	24.6362	24.6339
128	78.7334	1.3462	1.30E+00	2.35233	32.0592	10.1002	24.6399	24.6375
132	79.1444	1.344	1.30E+00	2.3982	32.0627	10.0913	24.6441	24.6416
136	79.9093	1.3437	1.30E+00	2.45653	32.0648	10.0845	24.6469	24.6443
140	79.7267	1.3403	1.30E+00	2.43274	32.0692	10.0741	24.652	24.6494
144	78.4048	1.3437	1.30E+00	2.33438	32.0747	10.0621	24.6583	24.6556
148	76.8125	1.3564	1.30E+00	2.29176	32.0764	10.058	24.6602	24.6575
152	75.541	1.3612	1.30E+00	2.23791	32.0783	10.0532	24.6625	24.6597
156	74.5414	1.3621	1.30E+00	2.22962	32.0785	10.0527	24.6628	24.6599
160	73.9771	1.368	1.30E+00	2.2104	32.079	10.0513	24.6634	24.6604
164	73.2667	1.3735	1.30E+00	2.17351	32.0799	10.049	24.6645	24.6615
168	71.8832	1.3749	1.30E+00	2.14401	32.0802	10.0482	24.6649	24.6618

172	70.6971	1.3781	1.30E+00	2.12658	32.0804	10.0478	24.665	24.6619
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Station = 84707701
 Date & Time = Aug 13 2004 11:51
 Latitude = 49 25.45 N
 Longitude = 126 6.42 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	61.2639	7.8329	2.81E+03	7.11547	30.5838	16.528	22.2357	22.2355
8	60.5523	16.2765	5.64E+02	5.58474	31.0576	13.8159	23.1797	23.1795
12	67.526	10.8346	9.68E+01	4.59734	31.247	13.3542	23.418	23.4177
16	78.7156	3.3674	2.53E+01	4.47373	31.4452	12.9484	23.6506	23.6502
20	82.4227	1.7918	1.27E+01	4.29492	31.5226	12.6044	23.7765	23.776
24	82.8955	1.6815	7.75E+00	4.02074	31.5495	12.2436	23.8653	23.8648
28	82.9247	1.5937	5.04E+00	3.95456	31.6605	11.9909	23.9984	23.9977
32	83.0576	1.5439	3.50E+00	3.78733	31.7063	11.7749	24.0735	24.0728
36	83.0288	1.4985	2.61E+00	3.74129	31.7665	11.6773	24.138	24.1372
40	82.9833	1.4673	2.09E+00	3.51582	31.7867	11.4196	24.2002	24.1993
44	82.8794	1.4359	1.77E+00	3.29427	31.7998	11.1664	24.2554	24.2544
48	82.8778	1.402	1.59E+00	3.0918	31.8239	10.8875	24.3229	24.3219
52	82.8733	1.3823	1.47E+00	2.973	31.8427	10.7649	24.3587	24.3577
56	82.7471	1.3737	1.41E+00	2.92616	31.8733	10.7189	24.3904	24.3893
60	82.6204	1.3624	1.36E+00	2.82584	31.8841	10.5679	24.4247	24.4235
64	82.6062	1.352	1.34E+00	2.72264	31.8965	10.426	24.4585	24.4573
68	82.8046	1.3378	1.32E+00	2.66693	31.9077	10.2518	24.4965	24.4952
72	82.8295	1.3338	1.31E+00	2.75148	31.9479	10.2579	24.5268	24.5254
76	82.85	1.3241	1.31E+00	2.79337	31.9762	10.2493	24.5503	24.5489
80	82.8282	1.329	1.30E+00	2.79418	31.9899	10.2334	24.5636	24.5621
84	82.8383	1.3256	1.30E+00	2.75338	32.0021	10.2106	24.5769	24.5754
88	82.7429	1.3306	1.30E+00	2.68131	32.0124	10.1889	24.5886	24.5869
92	82.6161	1.3327	1.30E+00	2.59581	32.0217	10.1769	24.5979	24.5961
96	82.3631	1.3349	1.30E+00	2.53317	32.0266	10.1695	24.603	24.6012
100	82.271	1.3335	1.30E+00	2.49193	32.031	10.1611	24.6077	24.6059
104	82.1689	1.3342	1.30E+00	2.48058	32.034	10.1541	24.6113	24.6093
108	82.2451	1.3347	1.30E+00	2.49055	32.04	10.1413	24.6181	24.616
112	82.5084	1.3346	1.30E+00	2.49183	32.0457	10.1293	24.6245	24.6224
116	82.1114	1.3349	1.30E+00	2.46184	32.0494	10.1201	24.6289	24.6268
120	81.6402	1.3384	1.30E+00	2.46066	32.0511	10.1159	24.6309	24.6287
124	80.8515	1.3409	1.30E+00	2.44024	32.0537	10.1097	24.634	24.6317
128	80.7204	1.3393	1.30E+00	2.42265	32.0581	10.1006	24.639	24.6366
132	80.4139	1.3331	1.30E+00	2.35979	32.0634	10.09	24.6449	24.6424
136	80.2788	1.3341	1.30E+00	2.31792	32.0688	10.0781	24.651	24.6485
140	79.3667	1.3403	1.30E+00	2.2951	32.0734	10.0664	24.6566	24.654
144	78.0537	1.3435	1.30E+00	2.31506	32.076	10.059	24.6598	24.6572
148	75.647	1.3599	1.30E+00	2.25836	32.0782	10.0536	24.6624	24.6597
152	73.2919	1.3482	1.30E+00	-9.99E-29	32.0785	10.0526	24.6628	24.66

Station = 84707801
 Date & Time = Aug 13 2004 12:17
 Latitude = 49 25.52 N
 Longitude = 126 5.05 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	59.9565	12.6911	2.62E+03	6.74163	30.6561	16.0765	22.3922	22.392
8	66.2559	12.0549	4.95E+02	5.12662	31.1181	13.7033	23.2491	23.2488
12	75.033	4.0823	1.15E+02	4.55474	31.2873	13.1712	23.4851	23.4847
16	80.7275	2.2727	4.65E+01	4.4417	31.4348	12.8942	23.6529	23.6525
20	82.0222	1.9394	2.47E+01	4.20469	31.488	12.5363	23.7626	23.7622
24	82.4062	1.7557	1.43E+01	3.76497	31.5036	12.0254	23.8703	23.8697
28	82.9694	1.5842	8.78E+00	3.65956	31.6054	11.8346	23.9843	23.9837
32	83.0324	1.5465	5.74E+00	3.77587	31.7094	11.7692	24.077	24.0762
36	82.9967	1.4954	3.97E+00	3.68818	31.752	11.6209	24.137	24.1362
40	83.1204	1.4575	2.92E+00	3.56463	31.7938	11.4722	24.1962	24.1954
44	83.0037	1.4381	2.29E+00	3.37414	31.8414	11.2872	24.2663	24.2654
48	82.6648	1.4159	1.90E+00	3.1357	31.8821	11.0859	24.3335	24.3325
52	82.5795	1.3927	1.66E+00	2.9433	31.8948	10.8654	24.3819	24.3808
56	82.401	1.3725	1.52E+00	2.84251	31.883	10.6471	24.4103	24.4092
60	82.7392	1.3446	1.43E+00	2.70964	31.8594	10.3386	24.4443	24.4431
64	82.8865	1.3374	1.38E+00	2.63727	31.8803	10.2419	24.4768	24.4756
68	82.8486	1.3322	1.35E+00	2.68953	31.9309	10.244	24.5159	24.5146
72	82.8616	1.3335	1.33E+00	2.73713	31.956	10.2514	24.5342	24.5328
76	82.7968	1.3299	1.32E+00	2.79269	31.9757	10.2488	24.55	24.5485
80	82.8637	1.3298	1.31E+00	2.78159	31.9868	10.2357	24.5609	24.5593
84	82.8117	1.3318	1.30E+00	2.756	31.9967	10.2202	24.5712	24.5696
88	82.8037	1.3258	1.30E+00	2.62422	32.0069	10.2044	24.5818	24.5801
92	82.4032	1.3287	1.30E+00	2.54421	32.0227	10.1759	24.5989	24.5971
96	82.1828	1.3313	1.30E+00	2.46229	32.0299	10.1636	24.6065	24.6047
100	81.833	1.3373	1.30E+00	2.40857	32.0344	10.155	24.6115	24.6096
104	81.6244	1.3315	1.30E+00	2.435	32.0375	10.1465	24.6152	24.6133
108	81.6346	1.3321	1.30E+00	2.45531	32.0404	10.1384	24.6189	24.6168
112	81.7827	1.3276	1.30E+00	2.46962	32.0418	10.1344	24.6206	24.6185
116	81.7611	1.3295	1.30E+00	2.43087	32.0452	10.1291	24.6241	24.622
120	81.5356	1.3303	1.30E+00	2.42589	32.0471	10.1256	24.6262	24.6239
124	81.6181	1.3299	1.30E+00	2.34102	32.0511	10.1186	24.6305	24.6282
128	80.8554	1.334	1.30E+00	2.23234	32.0599	10.0992	24.6406	24.6382
132	79.4171	1.3419	1.30E+00	2.25525	32.0674	10.0814	24.6494	24.6469
136	78.6281	1.3417	1.30E+00	2.33686	32.07	10.0743	24.6526	24.6501
140	78.5553	1.3439	1.30E+00	2.35848	32.0717	10.0692	24.6548	24.6522
144	77.5851	1.3535	1.30E+00	2.29907	32.0738	10.0636	24.6573	24.6547
148	75.3409	1.3653	1.30E+00	2.16015	32.0782	10.0521	24.6627	24.6599
152	73.4215	1.4029	1.30E+00	2.06791	32.0796	10.0485	24.6644	24.6615

Station = 84707901
 Date & Time = Aug 13 2004 12:56
 Latitude = 49 25.67 N
 Longitude = 126 3.23 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	59.7515	6.7769	2.75E+03	6.9229	30.569	16.5623	22.2165	22.2163
8	67.8603	13.3105	5.06E+02	4.99369	31.0972	13.5292	23.2676	23.2674
12	78.6474	6.3945	1.19E+02	4.2528	31.3414	12.7812	23.6024	23.6021
16	82.2949	2.1399	5.26E+01	3.81099	31.4227	12.2474	23.7663	23.766
20	82.9772	1.6653	2.87E+01	3.50379	31.4723	11.8224	23.8832	23.8828
24	82.8064	1.5895	1.72E+01	3.64008	31.603	11.8088	23.9871	23.9866
28	83.1412	1.5176	1.07E+01	3.50068	31.6583	11.5241	24.0817	24.0811
32	83.0778	1.4676	7.00E+00	3.45623	31.7222	11.4134	24.1512	24.1505
36	83.0024	1.4425	4.78E+00	3.37595	31.7481	11.295	24.1924	24.1916
40	83.0317	1.4242	3.43E+00	3.26779	31.771	11.1328	24.2388	24.238
44	83.05	1.393	2.61E+00	3.09181	31.7749	10.8859	24.285	24.2841
48	83.0935	1.3647	2.12E+00	3.02015	31.8317	10.8316	24.3386	24.3377
52	83.0144	1.3524	1.81E+00	2.86852	31.8034	10.5541	24.3642	24.3632
56	83.0426	1.3269	1.61E+00	2.72578	31.7895	10.3651	24.3854	24.3843
60	83.009	1.3166	1.50E+00	2.66607	31.8137	10.2887	24.417	24.4159
64	82.9893	1.3148	1.42E+00	2.65678	31.8398	10.2816	24.4386	24.4373
68	82.9248	1.3183	1.37E+00	2.63329	31.8729	10.2602	24.4679	24.4666
72	82.7817	1.3166	1.34E+00	2.60836	31.9027	10.2215	24.4977	24.4963
76	82.7004	1.3239	1.33E+00	2.63518	31.9397	10.2352	24.5242	24.5228
80	82.6349	1.319	1.32E+00	2.65481	31.9638	10.2399	24.5422	24.5407
84	82.1632	1.3198	1.31E+00	2.56702	31.9772	10.2295	24.5544	24.5528
88	81.2877	1.3204	1.30E+00	2.42167	31.9982	10.213	24.5735	24.5718
92	80.3269	1.319	1.30E+00	2.30302	32.0153	10.1933	24.5901	24.5884
96	80.4242	1.3253	1.30E+00	2.33798	32.0208	10.1836	24.596	24.5942
100	79.8924	1.3195	1.30E+00	2.22629	32.026	10.1752	24.6015	24.5996
104	79.0766	1.3296	1.30E+00	2.19837	32.0299	10.1677	24.6058	24.6038
108	78.8106	1.3262	1.30E+00	2.14536	32.0343	10.1591	24.6107	24.6087
112	78.3746	1.3309	1.30E+00	2.1246	32.0363	10.1548	24.613	24.6109
116	77.0994	1.3332	1.30E+00	2.10621	32.0423	10.1406	24.62	24.6178
120	74.5266	1.3358	1.30E+00	2.0556	32.0485	10.126	24.6273	24.625
124	71.9333	1.3487	1.30E+00	2.00154	32.049	10.1253	24.6278	24.6255

Station = 84708001
 Date & Time = Aug 13 2004 13:34
 Latitude = 49 26.4 N
 Longitude = 126 2.74 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	59.8153	9.2018	1.58E+03	6.8265	30.6843	15.6383	22.5102	22.5101
8	63.246	10.1356	3.31E+02	5.23694	30.978	13.76	23.1295	23.1293
12	67.5875	5.4123	1.07E+02	3.77791	31.2273	12.438	23.5793	23.579
16	76.1969	2.0191	4.44E+01	3.43698	31.3608	11.916	23.7796	23.7793
20	81.1246	1.6804	2.47E+01	3.39145	31.5304	11.593	23.9699	23.9695
24	82.6945	1.557	1.50E+01	3.32829	31.6067	11.3589	24.0711	24.0706
28	82.9493	1.495	9.53E+00	3.22069	31.663	11.1755	24.1474	24.1468
32	83.224	1.4586	6.34E+00	3.17031	31.6848	11.0459	24.187	24.1864
36	83.2619	1.449	4.40E+00	3.02707	31.6933	10.8268	24.2317	24.231
40	83.2845	1.4214	3.23E+00	2.92668	31.7133	10.6588	24.2762	24.2754
44	83.2505	1.3959	2.50E+00	2.77389	31.7192	10.4559	24.3153	24.3144
48	83.2141	1.3874	2.06E+00	2.726	31.7418	10.407	24.3411	24.3402
52	83.1116	1.3853	1.77E+00	2.72137	31.7701	10.3947	24.3653	24.3643
56	83.0871	1.3888	1.60E+00	2.70443	31.7962	10.3829	24.3876	24.3866
60	82.985	1.3916	1.48E+00	2.68165	31.806	10.3163	24.4064	24.4053
64	82.8858	1.3929	1.41E+00	2.62695	31.8189	10.2517	24.4273	24.4261
68	82.8318	1.3831	1.37E+00	2.59768	31.8399	10.2201	24.4489	24.4476
72	82.7314	1.3883	1.34E+00	2.57924	31.8718	10.2143	24.4747	24.4734
76	82.6573	1.384	1.33E+00	2.57785	31.8849	10.2163	24.4847	24.4832
80	82.5751	1.3914	1.31E+00	2.57801	31.9044	10.2214	24.499	24.4975
84	82.4607	1.3922	1.31E+00	2.57559	31.9227	10.2269	24.5124	24.5108
88	82.2933	1.3907	1.30E+00	2.55117	31.9532	10.2327	24.5352	24.5335
92	81.6354	1.4221	1.30E+00	-9.99E-29	31.9664	10.2324	24.5455	24.5438

Station = 84708101
 Date & Time = Aug 13 2004 16:09
 Latitude = 49 22.79 N
 Longitude = 126 5.14 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	62.5285	8.9207	2.29E+03	6.63516	30.3317	16.9429	21.948	21.9478
8	65.4399	11.5167	4.86E+02	5.95876	30.7878	15.1014	22.7055	22.7052
12	71.8072	8.2253	1.24E+02	5.26572	30.9719	14.2983	23.0154	23.0151
16	78.1918	4.2376	4.19E+01	4.6952	31.1123	13.6353	23.2581	23.2577
20	79.7009	3.4198	1.93E+01	4.63589	31.1993	13.5174	23.3489	23.3483
24	79.2868	3.2847	1.03E+01	4.62305	31.2432	13.4459	23.3969	23.3963
28	78.8108	3.1217	5.89E+00	4.57173	31.2786	13.3534	23.4426	23.4418
32	78.135	2.7948	3.71E+00	4.41371	31.4097	12.9902	23.615	23.6142
36	77.6115	2.4749	2.59E+00	4.25497	31.4562	12.763	23.6948	23.6939
40	76.3825	2.3025	2.01E+00	4.17911	31.4611	12.6772	23.715	23.714
44	74.7132	2.263	1.70E+00	4.14552	31.4666	12.6369	23.7269	23.7259
48	73.1179	2.2571	1.53E+00	4.09655	31.4862	12.5706	23.7547	23.7535
52	71.4979	2.227	1.43E+00	3.9536	31.5067	12.4217	23.7987	23.7975
56	70.393	2.1977	1.37E+00	3.85213	31.5147	12.3351	23.8213	23.82
60	69.1906	2.1875	1.34E+00	3.75758	31.5224	12.2593	23.8414	23.84
64	68.2773	2.1365	1.32E+00	3.66018	31.5161	12.179	23.8515	23.85
68	67.6572	2.1494	1.31E+00	3.63115	31.5235	12.1606	23.8607	23.8591
72	66.9949	2.1518	1.30E+00	3.56995	31.5252	12.1122	23.871	23.8693
76	66.4716	2.0936	1.30E+00	3.37139	31.5082	11.9612	23.8857	23.8839
80	66.1707	1.9831	1.30E+00	3.00539	31.4719	11.6735	23.91	23.9082
84	65.9004	1.9272	1.29E+00	2.75656	31.4575	11.5178	23.9268	23.925
88	64.9937	1.9276	1.29E+00	2.54417	31.4486	11.4015	23.9407	23.9388
92	64.3511	1.9247	1.29E+00	2.38447	31.4429	11.3125	23.9521	23.9501
96	63.6225	1.9236	1.29E+00	2.31537	31.4445	11.2889	23.9575	23.9554
100	62.5447	1.9072	1.29E+00	2.24306	31.445	11.2474	23.9652	23.9631
104	61.9878	1.8764	1.29E+00	2.21104	31.4456	11.2239	23.9699	23.9677
108	61.345	1.8556	1.29E+00	2.19235	31.4492	11.1979	23.9772	23.975
112	59.7355	1.8774	1.29E+00	2.16938	31.4544	11.1751	23.9853	23.983
116	58.1876	1.9199	1.29E+00	2.20484	31.4557	11.1646	23.9881	23.9857
120	57.5355	1.9294	1.29E+00	2.24295	31.4563	11.1593	23.9895	23.987
124	57.6357	1.9238	1.29E+00	2.37367	31.4543	11.1495	23.9897	23.9871
128	57.004	1.9256	1.29E+00	2.39746	31.4611	11.15	23.9949	23.9922
132	55.8027	1.9355	1.29E+00	2.37218	31.4637	11.1532	23.9963	23.9936
136	54.0103	1.9368	1.29E+00	2.38909	31.4679	11.1564	23.9991	23.9962
140	53.7281	1.9276	1.29E+00	2.39437	31.4709	11.1599	24.0008	23.9979
144	53.2586	1.9393	1.29E+00	2.36637	31.4726	11.1621	24.0017	23.9986
148	51.9369	1.9449	1.29E+00	2.32867	31.4735	11.1634	24.0022	23.9991
152	50.2753	1.9566	1.29E+00	2.29167	31.4735	11.1632	24.0022	23.999

Station = 84708201
 Date & Time = Aug 14 2004 11:07
 Latitude = 49 17.89 N
 Longitude = 125 48.67 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	52.6181	17.4138	2.50E+03	7.04744	29.7481	15.903	21.7335	21.7333
8	53.7231	17.3017	4.42E+02	5.58569	29.9591	15.236	22.0395	22.0392
12	65.2958	4.6243	7.40E+01	4.9895	30.0001	14.9963	22.1217	22.1214
16	74.7213	4.4335	2.83E+01	5.05812	30.0726	15.0931	22.157	22.1565
20	77.6275	4.0777	1.31E+01	5.01382	30.0716	15.041	22.1673	22.1667
24	78.2753	3.0808	6.51E+00	4.89176	30.0807	14.8787	22.2085	22.2077
28	79.631	2.2734	3.73E+00	4.79959	30.1142	14.7321	22.2649	22.264
32	81.0378	2.3459	2.56E+00	4.91407	30.2031	14.9104	22.296	22.295
36	80.9219	2.129	1.94E+00	4.77854	30.1999	14.6832	22.341	22.3399
40	81.6465	1.7709	1.62E+00	4.6745	30.2236	14.4799	22.4014	22.4002
44	82.39	1.7462	1.47E+00	4.65886	30.3338	14.5295	22.4761	22.4748
48	81.8096	1.7876	1.39E+00	4.64236	30.4414	14.6123	22.5417	22.5403
52	80.772	1.8475	1.34E+00	4.64527	30.503	14.6794	22.5752	22.5736

Station = 84708301
 Date & Time = Aug 15 2004 9:29
 Latitude = 49 7.06 N
 Longitude = 125 54.88 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	55.5586	16.6069	5.92E+02	5.90234	31.6141	13.3192	23.7087	23.7086
8	63.0769	10.1259	6.26E+01	5.35728	31.6923	12.665	23.8963	23.8961
12	65.884	9.1827	3.60E+00	5.26702	31.7023	12.6286	23.911	23.9107

Station = 84708401
 Date & Time = Aug 15 2004 10:01
 Latitude = 49 5.18 N
 Longitude = 125 54.57 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	50.9064	16.4073	1.40E+03	6.47085	31.557	13.8122	23.566	23.5659
8	66.5241	7.2728	1.74E+02	5.28061	31.624	12.5338	23.8685	23.8683
12	74.9479	4.0166	6.14E+01	4.54459	31.788	11.4878	24.1889	24.1886
16	80.5569	2.1446	2.97E+01	3.79114	31.9686	10.4916	24.5035	24.5032
20	81.484	1.8214	1.81E+01	3.50191	32.0569	10.2312	24.6162	24.6159
24	81.6221	1.7343	1.15E+01	3.41232	32.0736	10.183	24.6373	24.6369

Station = 84708501
 Date & Time = Aug 14 2004 9:57
 Latitude = 49 14.97 N
 Longitude = 125 52.53 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	59.8127	13.5444	1.94E+02	5.96906	29.9854	15.7352	21.9522	21.9521
8	64.2409	12.4744	7.76E+01	5.61395	30.0134	15.4835	22.0282	22.0279
12	68.7067	9.1513	4.00E+01	5.36518	30.1073	15.3209	22.1353	22.1349
16	71.0107	6.7668	1.72E+01	5.24186	30.1832	15.2102	22.2172	22.2167
20	71.6219	5.8878	6.99E+00	5.23374	30.2007	15.1979	22.2333	22.2327
24	71.9568	5.7215	3.38E+00	5.25119	30.2692	15.1456	22.2971	22.2964
28	71.9347	5.6915	2.05E+00	5.25813	30.2901	15.1342	22.3156	22.3147
32	71.6487	5.6826	1.57E+00	5.27678	30.314	15.126	22.3357	22.3347
36	71.5711	5.737	1.39E+00	5.28883	30.3393	15.121	22.3563	22.3552
40	71.1083	5.9709	1.33E+00	5.33149	30.395	15.1116	22.4011	22.3999
44	70.439	6.2107	1.31E+00	5.36547	30.4573	15.0784	22.4561	22.4547
48	68.52	6.9673	1.30E+00	-9.99E-29	30.6754	14.9258	22.6563	22.6548

Station = 84708601
 Date & Time = Aug 14 2004 9:27
 Latitude = 49 14.26 N
 Longitude = 125 56.23 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	60.3544	14.9926	1.22E+03	5.88918	30.1144	15.5896	22.0829	22.0828
8	63.7748	10.9799	1.91E+02	5.69002	30.1739	15.4564	22.1574	22.1571
12	65.5613	10.3028	4.29E+01	5.6535	30.1865	15.4288	22.173	22.1726
16	66.1747	9.8712	1.23E+01	5.61092	30.2558	15.3341	22.2466	22.2461
20	66.8135	9.4176	4.44E+00	5.57675	30.3566	15.2023	22.3523	22.3517
24	66.937	9.452	2.26E+00	5.58012	30.49	15.0385	22.4897	22.4889
28	66.5533	8.886	1.58E+00	5.53927	30.618	14.8651	22.6248	22.624
32	66.4363	8.6255	1.35E+00	5.52656	30.6405	14.8345	22.6486	22.6477

Station = 84709001
 Date & Time = Aug 15 2004 11:19
 Latitude = 49 4.41 N
 Longitude = 126 0.41 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	43.5624	25.7423	8.98E+02	7.30056	31.5615	14.3473	23.4599	23.4598
8	65.1702	8.0518	1.08E+02	5.79303	31.5898	13.1021	23.7325	23.7323
12	76.3087	3.4652	2.02E+01	4.94298	31.6343	12.2141	23.9366	23.9363
16	80.9807	1.9178	9.25E+00	4.27888	31.7751	11.0807	24.2512	24.2508
20	82.4928	1.6713	5.98E+00	3.82647	31.9389	10.4171	24.493	24.4926
24	82.458	1.7098	4.47E+00	3.6073	32.0441	10.1528	24.6194	24.6189
28	82.2672	1.6694	3.41E+00	3.34042	32.1723	9.8394	24.7711	24.7706
32	82.1836	1.6318	2.69E+00	3.05058	32.3245	9.501	24.9447	24.9441
36	81.7751	1.646	2.24E+00	2.85152	32.4104	9.3353	25.0383	25.0377
40	81.6079	1.6595	1.90E+00	2.81009	32.4197	9.3162	25.0485	25.0479
44	81.3652	1.6717	1.68E+00	2.79301	32.4233	9.307	25.0529	25.0521
48	81.1613	1.669	1.53E+00	2.78074	32.4244	9.3035	25.0542	25.0534
52	80.9411	1.673	1.42E+00	-9.99E-29	32.4235	9.3047	25.0533	25.0524

Station = 84710001
 Date & Time = Aug 16 2004 13:42
 Latitude = 49 7.1 N
 Longitude = 125 47.86 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	69.7686	5.7047	1.46E+03	5.03759	29.3987	15.8329	21.4805	21.4804
8	69.2325	5.8432	3.13E+02	5.05128	29.4445	15.8503	21.5119	21.5117
12	69.2872	5.7023	8.24E+01	5.05011	29.4418	15.8474	21.5105	21.5101
16	69.1144	5.6659	2.37E+01	5.05021	29.4391	15.8454	21.5088	21.5083
20	69.6499	5.5669	7.70E+00	5.03714	29.3826	15.8236	21.4702	21.4695
24	69.2896	5.6539	3.27E+00	5.04093	29.4133	15.8383	21.4906	21.4898
28	69.0356	5.5622	1.89E+00	5.0493	29.4499	15.849	21.5163	21.5154
32	69.1027	5.5691	1.47E+00	5.04781	29.4403	15.8455	21.5097	21.5087
36	69.0321	5.5374	1.32E+00	5.04181	29.4545	15.8467	21.5203	21.5192

Station = 84710002
 Date & Time = Aug 16 2004 19:46
 Latitude = 49 7.05 N
 Longitude = 125 47.76 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	66.9203	8.1189	2.53E+02	5.64551	28.6322	16.6963	20.7023	20.7021
8	69.5703	6.5204	5.30E+01	5.18308	29.3469	15.844	21.4384	21.4381
12	70.568	5.7852	1.51E+01	5.11783	29.4271	15.7969	21.5101	21.5098
16	70.6702	5.5572	5.39E+00	5.06799	29.4543	15.743	21.5428	21.5422
20	71.0768	5.1597	2.59E+00	5.00529	29.5791	15.6092	21.6674	21.6668
24	71.48	4.8464	1.73E+00	4.9958	29.5825	15.6091	21.6701	21.6693
28	71.5695	4.6959	1.45E+00	4.99037	29.5889	15.5914	21.6788	21.6779
32	71.5048	4.5637	1.34E+00	4.98104	29.5932	15.5714	21.6865	21.6855

Station = 84710101
 Date & Time = Aug 16 2004 14:04
 Latitude = 49 7.87 N
 Longitude = 125 47:15 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	70.9921	5.9004	7.14E+02	5.06132	29.3352	15.7721	21.445	21.4448
8	71.271	5.8427	1.85E+02	5.00019	29.4113	15.6051	21.5394	21.5392
12	71.9314	5.3999	5.78E+01	4.97012	29.4727	15.5128	21.6065	21.6061
16	72.1658	4.8364	2.01E+01	4.9686	29.584	15.4467	21.7061	21.7056
20	72.1406	4.6012	7.79E+00	4.96631	29.6219	15.4269	21.7396	21.7389
24	72.0805	4.4921	3.64E+00	4.97239	29.664	15.4067	21.7762	21.7755
28	71.8572	4.4136	2.15E+00	4.96822	29.7218	15.3811	21.8261	21.8252
32	71.8797	4.375	1.60E+00	4.9714	29.7466	15.371	21.8473	21.8463
36	71.9942	4.4192	1.40E+00	4.96057	29.7264	15.3801	21.8298	21.8287
40	72.0694	4.3799	1.33E+00	4.96055	29.7475	15.3708	21.848	21.8467

Station = 84710102
 Date & Time = Aug 16 2004 19:26
 Latitude = 49 7.75 N
 Longitude = 125 47 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	PAR/Licor (uE/s/m ²)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	69.5334	6.615	5.24E+02	5.83086	28.144	16.4338	20.3867	20.3866
8	75.0404	5.2155	1.28E+02	4.83232	29.1559	15.0003	21.4715	21.4713
12	77.0776	3.5696	4.16E+01	4.60027	29.225	14.8104	21.5642	21.5639
16	76.6284	3.3574	1.69E+01	4.59941	29.3679	14.9219	21.651	21.6505
20	74.6154	3.3892	7.48E+00	4.66629	29.4993	15.0529	21.7246	21.724
24	73.5374	3.4805	3.59E+00	4.70573	29.5453	15.1066	21.7487	21.748
28	73.229	3.4951	2.12E+00	4.72863	29.5661	15.1274	21.7603	21.7594
32	73.0267	3.4028	1.59E+00	4.71495	29.5735	15.1218	21.7672	21.7662
36	72.8392	3.4185	1.40E+00	4.72593	29.585	15.1321	21.7738	21.7727
40	72.9304	3.5287	1.33E+00	4.76024	29.6044	15.1728	21.7801	21.7789
44	72.6801	3.9533	1.31E+00	4.89276	29.7366	15.3459	21.845	21.8436
48	72.4063	3.9414	1.30E+00	4.92143	29.764	15.3632	21.8623	21.8608