

DATA REPORT
Water Column Characteristics of Barkley and Clayoquot Sound,
August 2002

By

Cheryl Greengrove
University of Washington, Tacoma – Interdisciplinary Arts & Sciences
Box 358436, Tacoma, WA 98402-3100
cgreen@u.washington.edu

Gerardo Chin-Leo
The Evergreen State College – LAB II
2700 Evergreen Parkway NW, Olympia, WA 98505

Richard Keil
University of Washington, School of Oceanography
Box 355351, Seattle WA 98195-5351
rickkeil@u.washington.edu

Prepared: December 2002

National Science Foundation
Grant OCE99-84163

Richard G. Keil
Principal Investigator

Abstract

This cruise report contains water column CTD data collected in Effingham and Pipestem Inlets in Barkley Sound and Clayoquot Sound, British Columbia, Canada. Data was collected from August 20-26, 2002 aboard the R/V Barnes. The objectives of the cruise were three-fold; to establish collaborative research efforts with faculty and students from three regional universities in Washington State, to investigate the preservation of organic matter in the sediment of the inlets, and to evaluate the extent of the regional oxygen minimum zone in the inlets. Data from the plankton samples and on the organic matter content of the sediment samples is incomplete at this time and is not included in this report.

Introduction

The scientific objectives of the August 2002 cruise to the outer inlets of Vancouver Island were to evaluate the water column conditions within the inlets and also to sample the sediments in order to evaluate their organic matter contents. To accomplish these goals, four types of measurements were made; CTD casts, water samples and incubations, plankton samples and sediment grab samples. Data from the plankton and sediment core samples will be reported at a later date. Measurements were made at 73 stations within the region (Figure 1). CTD data and water samples were collected at each station and sediment and plankton samples were collected at selected stations. Chief scientist on the cruise was Cheryl Greengrove from the University of Washington, Tacoma and further inquiries should be addressed to her. Cruise participants and their affiliations are listed in Table 1.

Methods

CTD casts were made with a SEABIRD 25 equipped with an oxygen sensor, fluorometer and transmissometer and lowered at a rate of 20 m/min. The CTD oxygen sensor was periodically checked against a shipboard calibrated YSI oxygen sensor to insure data quality. Phytoplankton samples were collected by sieving 10 liters of water from the niskin bottles through a 60 micron mesh sieve. Zooplankton samples were collected using a 200 micron mesh closing net. Sediment samples were collected using a Van Veen grab sampler and a 1-meter long gravity corer. Chlorophyll measurements were made using standard fluorescence techniques shipboard (Parsons et al., 1984). Bacterial growth was measured using the dual-labeled approach of Chin-Leo and Kirchman (1988), along with a new technique being developed. Chlorophyll and bacteria growth estimates are provided in Table 2 and 3 respectively. Table 4 presents the CTD data. All times in Table 4 are PST.

References

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 2002.

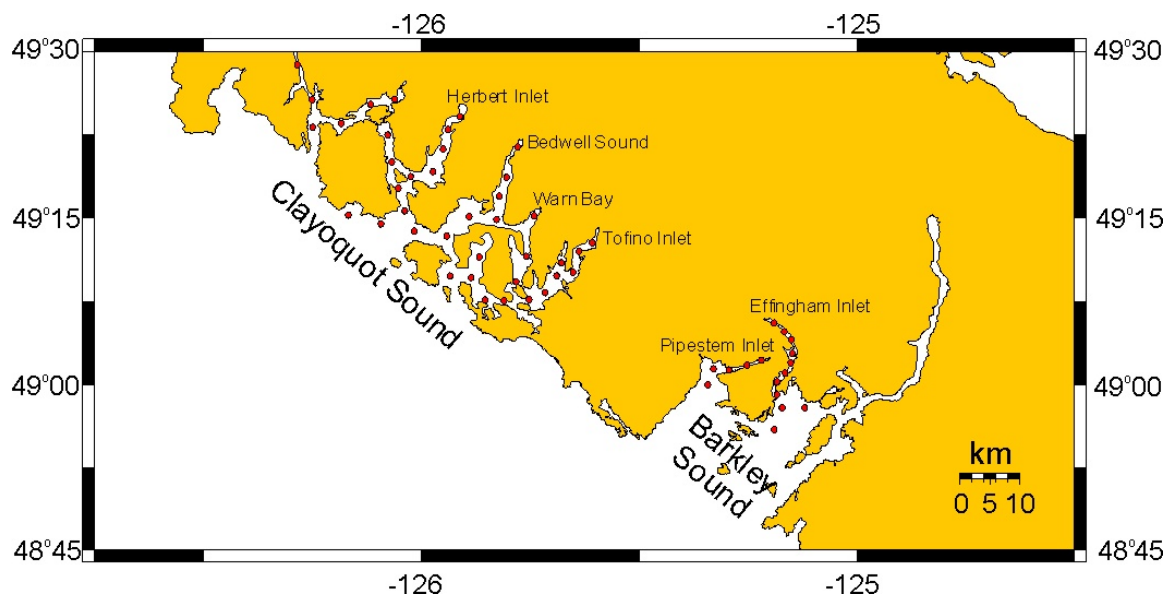


Table 1. Cruise participants and affiliations.

Name	Status	Affiliation
Dr. Cheryl Greengrove	<i>Associate Professor</i>	University of Washington, Tacoma
Dr. Gerardo Chin-Leo	<i>Associate Professor</i>	The Evergreen State College
John Rupp	<i>Curator</i>	Pt. Defiance Aquarium
Jamie Grocock	<i>Undergraduate</i>	University of Washington, Seattle
Colleen Evans	<i>Undergraduate</i>	University of Washington, Seattle
EJ Etherington	<i>Undergraduate</i>	The Evergreen State College
Ray McQuin	<i>Captian</i>	R/V Barnes
Nikki Hicks	<i>First Mate</i>	R/V Barnes

Table 2. Chlorophyll Data

Sample ID	Vol. filtered (l)	Extract Vol (l)	Dilution Factor	Fo	Fa	Chlorophyll (mg m ⁻³)	Phaeopigment (mg m ⁻³)	Fo/Fa Ratio
5-1.0	0.05	0.010	1.0	68.600	47.200	8.167	11.666	1.45
5-1.0	0.05	0.010	1.0	78.300	50.000	10.801	10.209	1.57
9-1.0	0.136	0.010	1.0	308.900	188.800	16.852	12.315	1.64
9-1.0	0.136	0.010	1.0	294.900	182.400	15.785	12.393	1.62
9-1.0	0.136	0.010	1.0	358.300	215.600	20.023	13.284	1.66
9-10.0	0.136	0.010	1.0	37.600	23.500	1.978	1.652	1.60
9-10.0	0.136	0.010	1.0	34.300	21.700	1.768	1.584	1.58
9-10.0	0.136	0.010	1.0	39.100	24.700	2.021	1.795	1.58
9-140.0	0.136	0.010	1.0	27.500	22.900	0.645	2.892	1.20
9-140.0	0.136	0.010	1.0	22.600	18.900	0.519	2.401	1.20
9-140.0	0.136	0.010	1.0	26.700	21.800	0.688	2.680	1.22
9-195.	0.136	0.010	1.0	27.100	21.100	0.842	2.418	1.28
9-195.	0.136	0.010	1.0	30.400	23.200	1.010	2.574	1.31
9-195.	0.136	0.010	1.0	496.600	311.600	25.958	22.180	1.59
9-30.0	0.136	0.010	1.0	22.200	16.400	0.814	1.720	1.35
9-30.0	0.136	0.010	1.0	19.000	14.700	0.603	1.668	1.29
9-30.0	0.136	0.010	1.0	21.100	15.000	0.856	1.461	1.41
9-80.0	0.136	0.010	1.0	18.100	15.200	0.407	1.941	1.19
9-80.0	0.136	0.010	1.0	16.700	14.000	0.379	1.784	1.19
9-80.0	0.136	0.010	1.0	16.900	13.700	0.449	1.667	1.23
12-1.0	0.136	0.010	1.0	208.000	127.100	11.351	8.284	1.64
12-1.0	0.136	0.010	1.0	211.100	127.200	11.772	7.878	1.66
12-40.0	0.136	0.010	1.0	10.800	8.400	0.337	0.961	1.29
12-40.0	0.136	0.010	1.0	26.000	19.400	0.926	2.071	1.34
12-8.0	0.136	0.010	1.0	204.300	113.500	12.740	4.794	1.80
12-8.0	0.136	0.010	1.0	185.000	102.800	11.534	4.347	1.80
13-1	0.136	0.010	1.0	191.500	114.800	10.762	6.973	1.67
13-1	0.136	0.010	1.0	208.000	123.900	11.800	7.340	1.68
13-1	0.136	0.010	1.0	195.400	116.300	11.099	6.868	1.68
13-20	0.136	0.010	1.0	15.500	11.200	0.603	1.127	1.38
13-20	0.136	0.010	1.0	13.600	9.600	0.561	0.922	1.42
13-20	0.136	0.010	1.0	20.800	14.000	0.954	1.209	1.49
13-75	0.136	0.010	1.0	13.300	9.500	0.533	0.934	1.40
13-75	0.136	0.010	1.0	15.800	10.700	0.716	0.937	1.48
13-75	0.136	0.010	1.0	14.300	10.200	0.575	1.000	1.40
13-8	0.136	0.010	1.0	89.500	51.300	5.360	2.565	1.74
13-8	0.136	0.010	1.0	134.100	83.600	7.086	5.829	1.60
13-8	0.136	0.010	1.0	77.700	45.100	4.574	2.393	1.72
15-1.0	0.136	0.010	1.0	360.500	206.500	21.608	10.293	1.75
15-1.0	0.136	0.010	1.0	360.800	208.200	21.412	10.752	1.73
15-25.	0.136	0.010	1.0	87.700	47.700	5.613	1.756	1.84
15-25.	0.136	0.010	1.0	86.900	47.800	5.486	1.898	1.82
2-1.0	0.136	0.010	1.0	538.300	306.600	32.511	14.855	1.76
2-1.0	0.136	0.010	1.0	556.100	315.600	33.745	15.010	1.76
22-1	0.136	0.010	1.0	336.300	189.700	20.570	8.736	1.77
22-1	0.136	0.010	1.0	334.700	187.300	20.682	8.253	1.79

bogus

22-30	0.136	0.010	1.0	77.000	50.700	3.690	4.142	1.52	
22-30	0.136	0.010	1.0	79.100	54.300	3.480	4.909	1.46	
22-7	0.136	0.010	1.0	389.800	224.800	23.152	11.577	1.73	
22-7	0.136	0.010	1.0	379.900	219.000	22.576	11.256	1.73	
2-30.	0.136	0.010	1.0	26.500	21.200	0.744	2.531	1.25	
2-30.	0.136	0.010	1.0	26.300	21.900	0.617	2.766	1.20	
23-1	0.136	0.010	1.0	479.600	275.300	28.666	13.864	1.74	
23-1	0.136	0.010	1.0	481.600	278.500	28.498	14.526	1.73	
23-35	0.136	0.010	1.0	46.322	31.803	2.037	2.876	1.46	Correction Applied
23-35	0.136	0.010	1.0	70.175	49.433	2.910	4.726	1.42	Correction Applied
23-9	0.136	0.010	1.0	218.200	129.300	12.474	7.501	1.69	
23-9	0.136	0.010	1.0	219.000	127.300	12.867	6.799	1.72	
24-1	0.136	0.010	1.0	304.897	173.535	18.432	8.377	1.76	Correction Applied
24-1	0.136	0.010	1.0	219.512	124.793	13.290	5.988	1.76	Correction Applied
24-1	0.136	0.010	1.0	308.699	175.610	18.674	8.455	1.76	Correction Applied
24-10	0.136	0.010	1.0	278.625	161.091	16.492	8.395	1.73	Correction Applied
24-10	0.136	0.010	1.0	278.279	159.016	16.734	7.832	1.75	Correction Applied
24-10	0.136	0.010	1.0	276.896	161.436	16.201	8.739	1.72	Correction Applied
24-40	0.136	0.010	1.0	56.347	31.458	3.492	1.367	1.79	Correction Applied
24-40	0.136	0.010	1.0	54.964	42.174	1.795	4.721	1.30	Correction Applied
24-40	0.136	0.010	1.0	66.026	49.088	2.377	5.207	1.35	Correction Applied
24-60	0.136	0.010	1.0	23.507	17.630	0.825	1.899	1.33	Correction Applied
24-60	0.136	0.010	1.0	21.087	16.247	0.679	1.831	1.30	Correction Applied
24-60	0.136	0.010	1.0	20.050	15.902	0.582	1.875	1.26	Correction Applied
25-1	0.136	0.010	1.0	303.168	171.116	18.529	7.906	1.77	Correction Applied
25-1	0.136	0.010	1.0	286.23	161.782	17.462	7.531	1.77	Correction Applied
25-10	0.136	0.010	1.0	280.353	163.51	16.395	8.865	1.71	Correction Applied
25-10	0.136	0.010	1.0	257.883	150.72	15.036	8.248	1.71	Correction Applied
25-35	0.136	0.010	1.0	59.804	40.791	2.668	3.634	1.47	Correction Applied
25-35	0.136	0.010	1.0	59.4583	40.445	2.668	3.580	1.47	Correction Applied
2-75.	0.136	0.010	1.0	52.800	45.400	1.038	5.975	1.16	
2-75.	0.136	0.010	1.0	47.900	41.600	0.884	5.543	1.15	
2-8.0	0.136	0.010	1.0	448.500	252.000	27.572	11.359	1.78	
2-8.0	0.136	0.010	1.0	371.500	209.200	22.773	9.545	1.78	
3-1.0	0.136	0.010	1.0	592.400	336.700	35.878	16.137	1.76	
3-1.0	0.136	0.010	1.0	528.000	328.600	27.979	22.785	1.61	
3-30.	0.136	0.010	1.0	26.400	21.400	0.702	2.604	1.23	
3-30.	0.136	0.010	1.0	24.800	19.400	0.758	2.239	1.28	
36-1	0.136	0.010	1.0	145.189	86.076	8.294	5.003	1.69	Correction Applied
36-1	0.136	0.010	1.0	139.658	82.965	7.955	4.862	1.68	Correction Applied
36-15	0.136	0.010	1.0	531.668	316.65	30.170	18.748	1.68	Correction Applied
36-15	0.136	0.010	1.0	534.434	320.8	29.976	19.583	1.67	Correction Applied
36-151	0.136	0.010	1.0	15.2103	11.408	0.534	1.229	1.33	Correction Applied
36-151	0.136	0.010	1.0	14.5189	10.716	0.534	1.122	1.35	Correction Applied
3-75.	0.136	0.010	1.0	57.800	48.800	1.263	6.276	1.18	
3-75.	0.136	0.010	1.0	57.400	48.300	1.277	6.185	1.19	
39-1	0.136	0.010	1.0	667.178	395.12	38.173	22.867	1.69	Correction Applied
39-1	0.136	0.010	1.0	666.832	399.62	37.494	24.241	1.67	Correction Applied
39-1	0.136	0.010	1.0	666.832	400.31	37.397	24.444	1.67	Correction Applied
39-11	0.136	0.010	1.0	873.554	537.54	47.147	35.896	1.63	Correction Applied
39-11	0.136	0.010	1.0	807.181	499.17	43.218	33.897	1.62	Correction Applied
39-11	0.136	0.010	1.0	847.281	520.26	45.885	34.487	1.63	Correction Applied
39-29	0.136	0.010	1.0	482.235	302.82	25.174	21.608	1.59	Correction Applied
39-29	0.136	0.010	1.0	517.149	327.71	26.581	24.046	1.58	Correction Applied
39-29	0.136	0.010	1.0	508.507	325.29	25.708	24.545	1.56	Correction Applied
39-51	0.136	0.010	1.0	296.946	202.23	13.290	17.951	1.47	Correction Applied

39-51	0.136	0.010	1.0	296.6	201.54	13.339	17.796	1.47	Correction Applied
39-51	0.136	0.010	1.0	313.193	211.91	14.212	18.525	1.48	Correction Applied
39-96	0.136	0.010	1.0	72.5945	62.57	1.407	8.259	1.16	Correction Applied
39-96	0.136	0.010	1.0	75.36	64.298	1.552	8.381	1.17	Correction Applied
39-96	0.136	0.010	1.0	67.7548	57.039	1.504	7.308	1.19	Correction Applied
45-1	0.136	0.010	1.0	315.400	205.100	15.477	16.208	1.54	
45-1	0.136	0.010	1.0	324.700	212.100	15.799	16.967	1.53	
45-10	0.136	0.010	1.0	406.100	271.000	18.956	22.909	1.50	
45-10	0.136	0.010	1.0	388.700	262.400	17.722	22.815	1.48	
45-40	0.136	0.010	1.0	393.800	266.400	17.876	23.279	1.48	
45-40	0.136	0.010	1.0	344.500	233.100	15.631	20.380	1.48	
46-1	0.136	0.010	1.0	222.900	134.800	12.362	8.463	1.65	
46-1	0.136	0.010	1.0	205.900	122.800	11.660	7.311	1.68	
46-12	0.136	0.010	1.0	565.800	328.500	33.296	17.452	1.72	
46-12	0.136	0.010	1.0	518.200	306.100	29.761	17.527	1.69	
46-50	0.136	0.010	1.0	234.300	139.600	13.288	8.278	1.68	
46-50	0.136	0.010	1.0	188.700	126.000	8.798	10.667	1.50	
49-1	0.136	0.010	1.0	249.800	147.300	14.382	8.374	1.70	
49-1	0.136	0.010	1.0	248.500	147.100	14.228	8.497	1.69	
49-12	0.136	0.010	1.0	629.200	365.200	37.043	19.375	1.72	
49-12	0.136	0.010	1.0	759.500	432.300	45.911	20.873	1.76	
49-50	0.136	0.010	1.0	132.600	98.600	4.771	10.462	1.34	
49-50	0.136	0.010	1.0	126.900	93.300	4.715	9.699	1.36	
50-1	0.136	0.010	1.0	213.500	126.600	12.193	7.365	1.69	
50-1	0.136	0.010	1.0	207.900	121.300	12.151	6.588	1.71	
50-116	0.136	0.010	1.0	734.600	428.000	43.020	23.100	1.72	
50-116	0.136	0.010	1.0	766.100	448.500	44.564	24.723	1.71	
50-12	0.136	0.010	1.0	194.000	121.300	10.201	8.538	1.60	
50-12	0.136	0.010	1.0	782.600	447.500	47.019	22.113	1.75	
51-1	0.136	0.010	2.0	364.800	207.600	44.115	20.028	1.76	
51-1	0.136	0.010	2.0	391.200	226.300	46.275	23.645	1.73	
51-1	0.136	0.010	2.0	378.800	216.400	45.574	21.287	1.75	
51-10	0.136	0.010	2.0	375.500	210.800	46.219	18.912	1.78	
51-10	0.136	0.010	2.0	336.500	191.600	40.663	18.536	1.76	
51-10	0.136	0.010	2.0	277.200	158.600	33.282	15.720	1.75	
51-35	0.136	0.010	1.0	309.800	185.000	17.511	11.069	1.67	
51-35	0.136	0.010	1.0	296.700	178.100	16.641	10.873	1.67	
51-35	0.136	0.010	1.0	302.100	182.200	16.824	11.324	1.66	
53-1	0.136	0.010	1.0	513.000	294.100	30.715	14.719	1.74	
53-1	0.136	0.010	1.0	494.500	285.700	29.297	14.839	1.73	
53-10	0.136	0.010	1.0	529.200	307.100	31.164	16.279	1.72	
53-10	0.136	0.010	1.0	549.000	315.000	32.833	15.829	1.74	
53-85	0.136	0.010	1.0	26.400	20.200	0.870	2.251	1.31	
53-85	0.136	0.010	1.0	42.100	33.300	1.235	3.910	1.26	
54-1	0.136	0.010	2.0	446.300	246.100	56.182	19.856	1.81	
54-1	0.136	0.010	2.0	487.700	268.300	61.570	21.327	1.82	
54-10	0.136	0.010	4.0	833.300	457.300	211.032	71.553	1.82	
54-10	0.136	0.010	4.0	850.600	469.700	213.782	76.465	1.81	
54-110	0.136	0.010	1.0	98.700	70.500	3.957	6.934	1.40	
54-110	0.136	0.010	1.0	85.400	63.000	3.143	6.590	1.36	
55-1	0.136	0.010	1.0	254.000	147.500	14.943	7.843	1.72	
55-1	0.136	0.010	1.0	241.400	140.600	14.144	7.577	1.72	
55-1	0.136	0.010	1.0	276.400	161.300	16.150	8.768	1.71	
55-10	0.136	0.010	2.0	618.900	359.000	72.935	37.985	1.72	
55-10	0.136	0.010	2.0	696.000	404.000	81.943	42.881	1.72	
55-10	0.136	0.010	2.0	688.600	398.300	81.466	41.597	1.73	

55-60	0.136	0.010	1.0	157.400	113.900	6.104	11.492	1.38	
55-60	0.136	0.010	1.0	162.700	120.900	5.865	12.812	1.35	
55-60	0.136	0.010	1.0	158.400	115.300	6.048	11.765	1.37	
56-1	0.136	0.010	1.0	490.700	327.400	22.913	27.665	1.50	
56-1	0.136	0.010	1.0	490.900	328.700	22.759	28.020	1.49	
56-10	0.136	0.010	1.0	513.400	348.700	23.110	30.759	1.47	
56-10	0.136	0.010	1.0	515.000	347.300	23.531	30.122	1.48	
57-10	0.136	0.010	4.0	392.900	265.700	71.392	92.795	1.48	
57-10	0.136	0.010	4.0	393.500	262.500	73.524	88.685	1.50	
5-75.	0.136	0.010	1.0	488.700	267.200	31.079	10.199	1.83	bogus
5-75.	0.136	0.010	1.0	29.900	23.300	0.926	2.673	1.28	
58-1	0.136	0.010	4.0	464.500	265.700	111.577	52.610	1.75	
58-1	0.136	0.010	4.0	455.000	262.500	108.041	54.168	1.73	
58-10	0.136	0.010	4.0	561.800	325.400	132.681	68.398	1.73	
58-10	0.136	0.010	4.0	466.100	273.400	108.154	60.791	1.70	
59-10	0.136	0.010	4.0	400.900	221.900	100.465	36.657	1.81	
59-10	0.136	0.010	1.0	702.700	394.900	43.189	17.818	1.78	
60-1	0.136	0.010	1.0	1428.73	792.66	89.249	33.206	1.80	Correction Applied
60-1	0.136	0.010	1.0	1924.1	1065.1	120.534	44.003	1.81	Correction Applied
60-20	0.136	0.010	1.0	378.528	234.72	20.178	16.083	1.61	Correction Applied
60-20	0.136	0.010	1.0	445.592	287.96	22.118	22.367	1.55	Correction Applied
60-8	0.136	0.010	1.0	1099.29	619.47	67.325	28.375	1.77	Correction Applied
60-8	0.136	0.010	1.0	1523.79	856.61	93.614	38.720	1.78	Correction Applied
6-1.0	0.136	0.010	1.0	522.400	292.100	32.314	12.811	1.79	
6-1.0	0.136	0.010	1.0	526.400	294.700	32.511	13.016	1.79	
61-1	0.136	0.010	1.0	2089.34	1174.3	128.392	53.020	1.78	Correction Applied
61-1	0.136	0.010	1.0	1547.3	871.13	94.875	39.702	1.78	Correction Applied
61-35	0.136	0.010	1.0	1256.58	722.49	74.940	36.674	1.74	Correction Applied
61-35	0.136	0.010	1.0	891.184	517.15	52.482	27.410	1.72	Correction Applied
61-8	0.136	0.010	1.0	1511.69	860.07	91.431	41.437	1.76	Correction Applied
61-8	0.136	0.010	1.0	1592.93	901.21	97.058	42.166	1.77	Correction Applied
62-10	0.136	0.010	1.0	2394.58	1322.6	150.413	53.909	1.81	Correction Applied
62-10	0.136	0.010	1.0	2563.28	1420.8	160.308	59.181	1.80	Correction Applied
63-1	0.136	0.010	1.0	1354.06	757.4	83.719	33.288	1.79	Correction Applied
63-1	0.136	0.010	1.0	1424.93	796.12	88.230	34.759	1.79	Correction Applied
63-10	0.136	0.010	1.0	2389.4	976.22	198.287	-47.475	2.45	Correction Applied
63-10	0.136	0.010	1.0	2757.55	1485.1	178.546	50.876	1.86	Correction Applied
63-40	0.136	0.010	1.0	408.949	261.34	20.712	19.662	1.56	Correction Applied
63-40	0.136	0.010	1.0	505.742	330.82	24.543	26.564	1.53	Correction Applied
63-60	0.136	0.010	1.0	204.302	142.77	8.634	13.422	1.43	Correction Applied
63-60	0.136	0.010	1.0	281	200.7	11.267	19.738	1.40	Correction Applied
6-5.0	0.136	0.010	1.0	50.200	31.200	2.666	2.154	1.61	
6-5.0	0.136	0.010	1.0	47.800	29.700	2.540	2.049	1.61	
65-1	0.136	0.010	1.0	386.479	217.44	23.719	9.872	1.78	Correction Applied
65-1	0.136	0.010	1.0	426.925	240.25	26.193	10.923	1.78	Correction Applied
65-10	0.136	0.010	1.0	1293.56	730.09	79.063	33.726	1.77	Correction Applied
65-10	0.136	0.010	1.0	1245.86	707.97	75.473	33.897	1.76	Correction Applied
6-75.	0.136	0.010	1.0	19.200	16.400	0.393	2.141	1.17	
6-75.	0.136	0.010	1.0	20.700	17.100	0.505	2.137	1.21	
69-1	0.136	0.010	1.0	123.065	70.52	7.373	3.522	1.75	Correction Applied
69-1	0.136	0.010	1.0	111.312	64.298	6.597	3.336	1.73	Correction Applied
69-12	0.136	0.010	1.0	324.947	193.93	18.383	11.576	1.68	Correction Applied
69-12	0.136	0.010	1.0	314.576	188.75	17.656	11.503	1.67	Correction Applied
71-1	0.136	0.010	1.0	160.745	91.262	9.749	4.349	1.76	Correction Applied
71-1	0.136	0.010	1.0	169.387	95.41	10.380	4.359	1.78	Correction Applied
71-15	0.136	0.010	1.0	184.597	114.77	9.798	7.932	1.61	Correction Applied

71-15	0.136	0.010	1.0	185.634	113.73	10.089	7.481	1.63	Correction Applied
71-55	0.136	0.010	1.0	28.3464	23.852	0.631	3.054	1.19	Correction Applied
71-55	0.136	0.010	1.0	24.8895	21.087	0.534	2.724	1.18	Correction Applied
72-1	0.136	0.010	1.0	2646.93	1507.9	159.823	73.124	1.76	Correction Applied
72-1	0.136	0.010	1.0	2765.16	1541.8	171.658	66.522	1.79	Correction Applied
72-15	0.136	0.010	1.0	1160.82	695.18	65.336	42.059	1.67	Correction Applied
72-15	0.136	0.010	1.0	1105.16	664.76	61.795	40.900	1.66	Correction Applied
73-1	0.136	0.010	1.0	1795.5	1024.3	108.214	50.021	1.75	Correction Applied
73-20	0.136	0.010	1.0	1332.28	808.56	73.485	51.427	1.65	Correction Applied
73-20	0.136	0.010	1.0	1303.94	779.87	73.533	46.946	1.67	Correction Applied
73-7	0.136	0.010	1.0	1839.41	1046.1	111.318	50.281	1.76	Correction Applied
73-70	0.136	0.010	1.0	185.5	148.8	5.150	17.838	1.25	Correction Applied
73-70	0.136	0.010	1.0	196.351	158.33	5.336	19.123	1.24	Correction Applied
75-7	0.136	0.010	1.0	1363.39	789.55	80.518	41.456	1.73	Correction Applied
75-7	0.136	0.010	1.0	1303.94	750.14	77.705	38.181	1.74	Correction Applied
76-1	0.136	0.010	1.0	1332.63	742.19	82.846	31.812	1.80	Correction Applied
76-1	0.136	0.010	1.0	1248.97	710.04	75.619	34.072	1.76	Correction Applied
76-170	0.136	0.010	1.0	52.8903	42.139	1.508	5.001	1.26	Correction Applied
76-170	0.136	0.010	1.0	53.236	47.014	0.873	6.390	1.13	Correction Applied
76-8	0.136	0.010	1.0	833.108	500.56	46.662	30.667	1.66	Correction Applied
76-8	0.136	0.010	1.0	826.54	491.22	47.050	28.837	1.68	Correction Applied
80-1	0.136	0.010	1.0	802.700	465.200	47.356	24.511	1.73	
80-1	0.136	0.010	1.0	887.600	514.000	52.421	26.984	1.73	
80-1	0.136	0.010	1.0	786.600	453.500	46.738	23.321	1.73	
80-1	0.136	0.010	1.0	802.700	465.200	47.356	24.511	1.73	
80-1	0.136	0.010	1.0	887.700	514.000	52.435	26.970	1.73	
80-1	0.136	0.010	1.0	786.600	453.500	46.738	23.321	1.73	
80-1	0.136	0.010	1.0	455.700	266.400	26.561	14.594	1.71	
80-1	0.136	0.010	1.0	490.500	285.500	28.764	15.341	1.72	
80-10	0.136	0.010	1.0	351.600	218.200	18.718	14.991	1.61	
80-10	0.136	0.010	1.0	371.500	224.800	20.584	14.144	1.65	
80-10	0.136	0.010	1.0	445.100	267.200	24.962	16.317	1.67	
80-10	0.136	0.010	1.0	351.600	218.200	18.718	14.991	1.61	
80-10	0.136	0.010	1.0	371.500	224.800	20.584	14.144	1.65	
80-10	0.136	0.010	1.0	445.100	267.200	24.962	16.317	1.67	
80-16	0.136	0.010	1.0	76.600	50.600	3.648	4.169	1.51	
80-16	0.136	0.010	1.0	88.800	59.900	4.055	5.199	1.48	
80-16	0.136	0.010	1.0	90.200	59.500	4.308	4.884	1.52	
80-16	0.136	0.010	1.0	76.600	50.600	3.648	4.169	1.51	
80-16	0.136	0.010	1.0	88.800	59.900	4.055	5.199	1.48	
80-16	0.136	0.010	1.0	90.200	59.500	4.308	4.884	1.52	
80-40	0.136	0.010	1.0	377.300	271.100	14.901	26.980	1.39	
80-40	0.136	0.010	1.0	366.000	259.700	14.915	25.204	1.41	
80-40	0.136	0.010	1.0	349.600	251.000	13.835	24.941	1.39	
80-50	0.136	0.010	1.0	325.800	244.200	11.450	26.276	1.33	
80-50	0.136	0.010	1.0	340.800	255.300	11.997	27.443	1.33	
80-50	0.136	0.010	1.0	328.500	242.100	12.123	25.278	1.36	
80-85	0.136	0.010	1.0	52.100	42.900	1.291	5.337	1.21	
80-85	0.136	0.010	1.0	43.200	37.700	0.772	5.052	1.15	
80-85	0.136	0.010	1.0	35.000	30.200	0.674	3.992	1.16	
80-85	0.136	0.010	1.0	52.100	42.900	1.291	5.337	1.21	
80-85	0.136	0.010	1.0	43.200	37.700	0.772	5.052	1.15	
80-85	0.136	0.010	1.0	35.000	30.200	0.674	3.992	1.16	
82-1	0.136	0.010	1.0	231.300	167.000	9.022	16.777	1.39	
82-1	0.136	0.010	1.0	228.600	166.900	8.657	17.126	1.37	
82-1	0.136	0.010	1.0	224.800	164.800	8.419	17.040	1.36	

83-5	0.136	0.010	4.0	582.900	319.800	147.666	49.952	1.82
83-5	0.136	0.010	4.0	457.300	250.800	115.899	39.081	1.82
84-1	0.136	0.010	4.0	473.200	258.400	120.557	39.119	1.83
84-1	0.136	0.010	4.0	527.200	281.300	138.012	35.814	1.87
84-1	0.136	0.010	4.0	562.400	303.200	145.477	41.883	1.85
84-11	0.136	0.010	1.0	422.700	245.300	24.892	13.004	1.72
84-11	0.136	0.010	1.0	418.200	246.200	24.134	13.900	1.70
84-11	0.136	0.010	1.0	400.800	238.500	22.773	14.072	1.68
84-24	0.136	0.010	1.0	407.800	254.100	21.566	17.689	1.60
84-24	0.136	0.010	1.0	443.400	271.900	24.064	17.941	1.63
84-24	0.136	0.010	1.0	440.100	279.200	22.576	20.556	1.58

Table 3. Bacterial Production Data

BARNES CRUISE, AUGUST 2002

BACTERIAL PRODUCTION DATA. Incorporation of 3H thymidine

Sample Number	STATION OR EXPERIMENT TIME	DUPLICATES AND CONTROLS	3H DPM
1	STATION 3	Specific Activity (SA)	37786.40
2		Killed control (KC)	1605.45
3		1 meter (m)	14898.30
4		1 m	14674.00
5		30 m	2554.25
6		30 m	2620.62
7		KC	1079.11
8		75 m	2046.54
9		75 m	1776.47
10	STATION 9	1 m	14704.90
11		1 m	14078.00
12		30 m	1851.83
13		30 m	2765.66
14		80 m	1186.35
15		80 m	1689.99
16		140m	1431.72
17		140 m	1939.82
18		195 m	1734.93
19		195 m	1356.10
20	STATION 15	1 m	14624.00
21		1 m	7528.35
22		25 m	2186.72
23		25 m	1514.94
24	STATION 13	1 m	6596.05
25		1 m	11570.70
26		8 m	3658.12
27		8 m	4596.36
28		75 m	5290.28
29		75 m	4620.15
30		SA	67928.60
31	STATION 12	1 m	10636.70
32		1 m	10658.40
33		8 m	4976.69
34		8 m	2129.08
35		110 m	1711.84
36		110 m	1524.38
37	STATION 6	1 m	7156.06
38		1 m	7491.40
39		8 m	1967.23
40		8 m	2594.16
41	STATION 2	1 m	12533.70
42		1 m	11092.60

43	8 m	3163.01
44	8 m	2210.51
45 STATION 22	1 m	5148.56
46 Pipestem Inlet	1 m	4920.32
47	7 m	3355.39
48	7 m	1976.07
49	KC	698.01
50 STATION 24	1 m	3802.92
51	1 m	4835.92
52	10 m	2240.01
53	10 m	2269.48
54	40 m	2417.79
55	40 m	1313.79
56	60 m	3662.07
57	60 m	2691.47
58 STATION 25	1 m	3060.45
59	1 m	5434.65
60	30 m	1792.70
61	30 m	37469.40
62	SA	29501.50
63 STATION 60	1 m	5292.88
64 Sydney Inlet	1 m	6399.38
65	10 m	4091.34
66	10 m	4512.25
67	20 m	2722.67
68	20 m	2815.97
69 STATION 63	1 m	6905.20
70	1 m	5903.76
71	10 m	3925.57
72	10 m	3270.84
73	68 m	2186.42
74	68 m	1341.34
75 STATION 69	0 m	1527.31
76	0 m	1190.51
77	12 m	2457.08
78	12 m	1543.24
79	130 m	2017.19
80	130 m	2157.22
81 STATION 71	0 m	3587.03
82	0m	2649.48
83	15 m	2657.21
84	15 m	3539.87
85	55 m	1689.24
86	55 m	988.55
87 STATION 73	1 m	8949.33
88 Shelter Inlet	1 m	6808.08
89	20 m	3731.02
90	20 m	3785.14
91 STATION 76	1 m	6597.44
92	1 m	6251.09
93	170 m	974.98

94	170 m	1877.35
95 STATION 78	10 m	2386.03
96	10 m	3422.02
97	155 m	2563.73
98	155 m	2037.93
99 STATION 80	10 m	1873.92
100	10 m	1755.18
101	85 m	1218.35
102	85 m	1121.02
103	SA	27210.80
104	KC	2852.15
105	t0	12749.80
106 Bacteria Growth Exper.	t0	14142.20
107	t0	15439.10
108 10 h	t-1	18509.20
109	t-1	15335.80
110	t-1	15969.20
111 16 h	t-2	14225.60
112	t-2	16544.70
113	t-2	15449.90
114 22 h	t-3	12992.90
115	t-3	12823.40
116	t-3	20816.80
117	t-4	11797.00
118 34 h	t-4	8459.01
119	t-4	11519.60
120	t-5	14360.30
121 40 h	t-5	14684.90
122	t-5	14188.20

Table 4. CTD data for 73 stations in Barkley and Clayoquot Sounds August 20-26 2002.

Station = 76000101

Date & Time = Aug 21 2002 16:54:08

Latitude = 48 56.53 N

Longitude = 125 10.73 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	24.8480	0.4267	6.29683	31.8592	13.2165	23.9185	23.9184
8.000	78.8866	2.7285	6.20259	32.0069	10.9881	24.4478	24.4476
12.000	85.0847	3.0130	4.60304	31.6867	10.4057	24.2985	24.2982
16.000	87.0532	1.1964	4.17457	31.7358	9.9276	24.4160	24.4158
20.000	87.3115	0.9190	3.93883	31.8711	9.6140	24.5724	24.5721
24.000	87.4652	0.8029	3.73776	31.9340	9.2595	24.6778	24.6774
28.000	87.7011	0.6554	3.54304	31.9911	9.1138	24.7452	24.7447
32.000	87.6123	0.6373	3.43322	32.0678	9.0153	24.8205	24.8199
36.000	87.7400	0.6328	3.33507	32.1531	9.0046	24.8889	24.8883
40.000	87.8546	0.6127	3.25317	32.2179	8.9218	24.9523	24.9517
44.000	87.6989	0.6023	3.13232	32.3332	8.7292	25.0720	25.0714
48.000	87.6691	0.5820	3.03372	32.3821	8.6825	25.1174	25.1167
52.000	87.5799	0.5901	2.82309	32.5061	8.5205	25.2390	25.2382
56.000	86.8859	0.5683	2.38388	32.6415	8.3250	25.3743	25.3735
60.000	85.0625	0.5381	1.84491	32.8456	7.9553	25.5887	25.5878
64.000	83.3535	0.5174	1.68098	32.9803	7.7676	25.7214	25.7205
68.000	82.3392	0.5271	1.62304	33.0119	7.7099	25.7545	25.7536
72.000	81.2266	0.5345	1.62674	33.0524	7.6735	25.7915	25.7905
76.000	80.6523	0.5634	1.66480	33.0949	7.6359	25.8303	25.8292
80.000	79.4673	0.5786	1.65069	33.1481	7.5565	25.8833	25.8823
84.000	78.8402	0.5806	1.64006	33.1654	7.5329	25.9002	25.8991
88.000	78.1768	0.5875	1.63414	33.1842	7.5080	25.9185	25.9173
92.000	74.4432	0.6122	1.61643	33.2074	7.4766	25.9412	25.9399

Station = 76000201
 Date & Time = Aug 21 2002 15:31:14
 Latitude = 48 58.75 N
 Longitude = 125 10.01 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	-1.1270	-0.8772	6.49999	31.1192	14.1186	23.1659	23.1658
8.000	-1.1270	-0.8772	5.72433	31.9561	10.9628	24.4126	24.4124
12.000	79.8036	1.1732	4.33211	31.8828	10.1928	24.4869	24.4867
16.000	87.9290	0.8385	3.91578	31.9501	9.9440	24.5805	24.5802
20.000	88.1744	0.7144	3.64180	32.0220	9.5741	24.6967	24.6964
24.000	88.1045	0.6615	3.49460	32.0659	9.2967	24.7751	24.7747
28.000	87.9613	0.6384	3.42188	32.1044	9.1141	24.8338	24.8333
32.000	87.8950	0.6362	3.33065	32.1733	9.0337	24.9001	24.8996
36.000	87.8919	0.6365	3.18374	32.2629	8.9294	24.9863	24.9858
40.000	87.6191	0.6258	2.93108	32.3782	8.7635	25.1021	25.1014
44.000	86.3447	0.6109	2.44754	32.5557	8.4850	25.2832	25.2825
48.000	85.9644	0.5991	2.07280	32.6881	8.2410	25.4233	25.4226
52.000	84.3672	0.5896	1.76920	32.7856	8.0716	25.5246	25.5239
56.000	84.4778	0.5681	1.63971	32.8424	7.9539	25.5864	25.5856
60.000	83.7220	0.5382	1.56818	32.9242	7.8192	25.6700	25.6692
64.000	82.5906	0.5451	1.54692	32.9743	7.7491	25.7194	25.7185
68.000	81.2503	0.5544	1.53146	33.0251	7.6903	25.7677	25.7667
72.000	78.8527	0.5515	1.53219	33.1008	7.6054	25.8392	25.8382
76.000	75.3596	0.5808	1.51771	33.1323	7.5670	25.8694	25.8684
80.000	74.4212	0.5760	1.51128	33.1732	7.5183	25.9084	25.9074

Station = 76000301
 Date & Time = Aug 20 2002 16:54:27
 Latitude = 48 59.43 N
 Longitude = 125 11.46 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	4.6334	-0.6250	7.41525	32.4421	12.5630	24.4967	24.4966
8.000	80.9095	2.1145	7.00114	32.3998	10.8013	24.7861	24.7860
12.000	82.9392	1.4220	4.49965	31.9912	10.1200	24.5836	24.5833
16.000	83.6601	0.7083	3.68649	32.0219	9.7390	24.6701	24.6698
20.000	83.7593	0.6286	3.43228	32.0858	9.4977	24.7588	24.7584
24.000	83.7129	0.6047	3.29384	32.1407	9.3268	24.8288	24.8284
28.000	83.6887	0.5935	3.18484	32.2009	9.1526	24.9033	24.9028
32.000	83.6357	0.5717	3.08724	32.2459	9.0576	24.9533	24.9528
36.000	83.5277	0.5826	2.98919	32.2880	8.9796	24.9983	24.9977
40.000	83.3265	0.5748	2.81708	32.3838	8.7800	25.1039	25.1033
44.000	82.9058	0.5508	2.57891	32.4686	8.6290	25.1932	25.1926
48.000	81.9112	0.5196	2.16389	32.5984	8.4028	25.3290	25.3283
52.000	80.0291	0.4992	1.72987	32.7730	8.1022	25.5103	25.5095
56.000	77.7821	0.4992	1.49872	32.8922	7.9111	25.6316	25.6308
60.000	76.6299	0.5027	1.45982	32.9298	7.8514	25.6697	25.6689
64.000	75.3934	0.4923	1.44226	32.9619	7.8060	25.7015	25.7006
68.000	70.1844	0.5235	1.38520	33.0570	7.6801	25.7942	25.7933
72.000	65.3520	0.5558	1.42465	33.1515	7.5464	25.8874	25.8864

Station = 76000401
 Date & Time = Aug 21 2002 15:02:19
 Latitude = 49 0.00 N
 Longitude = 125 11.07 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	-1.1270	-0.8772	6.73420	31.6168	12.8687	23.7988	23.7987
8.000	-1.1270	-0.8772	6.41350	32.4328	10.7243	24.8251	24.8250
12.000	60.1465	0.4872	4.68529	32.1478	10.2599	24.6823	24.6820
16.000	87.5729	0.8522	3.86755	31.9720	9.8803	24.6081	24.6078
20.000	87.8769	0.7085	3.54789	32.0678	9.5706	24.7330	24.7327
24.000	87.9699	0.7348	3.34133	32.1301	9.4004	24.8088	24.8084
28.000	87.8701	0.6318	3.16343	32.1976	9.2338	24.8879	24.8875
32.000	87.6521	0.6256	2.97791	32.2790	9.0392	24.9820	24.9814
36.000	87.4614	0.6067	2.85229	32.3084	8.9713	25.0155	25.0149
40.000	87.2006	0.5959	2.71198	32.3754	8.8401	25.0882	25.0875
44.000	85.4724	0.5712	2.24407	32.6012	8.4219	25.3283	25.3276
48.000	82.7307	0.5482	1.75231	32.7640	8.1315	25.4989	25.4982
52.000	81.5016	0.5492	1.54202	32.8358	8.0076	25.5734	25.5726
56.000	78.6770	0.5574	1.44174	32.9638	7.8131	25.7019	25.7012

Station = 76000501

Date & Time = Aug 20 2002 17:44:38

Latitude = 49 0.32 N

Longitude = 125 10.62 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	24.0319	0.0813	7.65049	31.7442	13.1613	23.8404	23.8403
8.000	83.5949	2.1600	7.07570	32.5524	11.0955	24.8532	24.8530
12.000	86.9266	1.7407	5.01139	32.0153	10.2759	24.5763	24.5761
16.000	87.8601	0.7680	3.89872	32.0051	9.8365	24.6411	24.6408
20.000	88.0052	0.6468	3.56514	32.0680	9.6135	24.7263	24.7259
24.000	87.9919	0.6742	3.34364	32.1464	9.3841	24.8242	24.8238
28.000	88.0194	0.6443	3.13353	32.2195	9.1837	24.9129	24.9124
32.000	87.9697	0.5800	2.99762	32.2721	9.0578	24.9737	24.9732
36.000	87.8485	0.5643	2.87789	32.3186	8.9540	25.0261	25.0256
40.000	87.6326	0.5662	2.74961	32.3704	8.8511	25.0825	25.0819
44.000	87.0299	0.5362	2.49330	32.4624	8.6660	25.1828	25.1821
48.000	86.4483	0.5337	2.27792	32.5304	8.5329	25.2562	25.2554
52.000	84.7116	0.5080	1.84425	32.6788	8.2541	25.4141	25.4133
56.000	83.7402	0.4978	1.57063	32.7191	8.1693	25.4581	25.4573
60.000	83.0922	0.5186	1.43243	32.7514	8.1090	25.4923	25.4915
64.000	82.3924	0.4832	1.32964	32.7834	8.0602	25.5246	25.5237
68.000	81.7286	0.4846	1.28273	32.8068	8.0279	25.5476	25.5467
72.000	80.6335	0.5385	1.25190	32.8254	8.0017	25.5661	25.5650
76.000	79.6452	0.4650	1.21855	32.8379	7.9852	25.5783	25.5772

Station = 76000601
 Date & Time = Aug 21 2002 14:27:39
 Latitude = 49 0.86 N
 Longitude = 125 9.85 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	-1.1270	-0.8772	6.90294	31.6014	12.9178	23.7773	23.7772
8.000	-1.1270	-0.8772	5.96965	32.4515	11.1315	24.7683	24.7681
12.000	54.1874	0.3549	4.60115	31.9216	10.3352	24.4933	24.4931
16.000	87.6521	0.8576	4.01468	31.9431	10.0001	24.5659	24.5656
20.000	87.9612	0.7047	3.66289	32.0408	9.6904	24.6926	24.6923
24.000	87.9992	0.6598	3.49201	32.0726	9.5808	24.7351	24.7347
28.000	88.0385	0.6293	3.35037	32.1133	9.4662	24.7852	24.7847
32.000	87.9967	0.6155	3.14883	32.2040	9.2402	24.8919	24.8914
36.000	87.8576	0.5904	2.94841	32.2749	9.0767	24.9730	24.9724
40.000	87.6284	0.5851	2.74578	32.3533	8.9052	25.0608	25.0602
44.000	87.3167	0.5735	2.53845	32.4267	8.7429	25.1432	25.1425
48.000	86.5832	0.5553	2.19416	32.5485	8.4796	25.2784	25.2777
52.000	85.5740	0.5253	1.69453	32.6795	8.1895	25.4241	25.4234
56.000	85.0942	0.4946	1.28074	32.7421	8.0490	25.4938	25.4930
60.000	84.7529	0.5055	1.15208	32.7552	8.0355	25.5060	25.5052
64.000	84.5566	0.4925	1.04866	32.7804	8.0208	25.5279	25.5270
68.000	83.5008	0.5103	1.06530	32.8019	8.0202	25.5449	25.5440
72.000	82.8437	0.5174	1.10328	32.8083	8.0169	25.5505	25.5494
76.000	82.6494	0.5248	1.11637	32.8093	8.0160	25.5514	25.5503

Station = 76000701
 Date & Time = Aug 20 2002 18:25:25
 Latitude = 49 1.42 N
 Longitude = 125 9.29 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	-1.1270	-0.8772	7.65183	31.6624	13.1864	23.7722	23.7721
8.000	-1.1270	-0.8772	6.05062	31.9896	11.2153	24.3943	24.3941
12.000	62.6537	0.3705	4.74887	31.9163	10.2062	24.5108	24.5106
16.000	86.6963	0.6900	4.20514	31.9724	9.9514	24.5967	24.5964
20.000	87.9835	0.6382	3.74306	32.0486	9.6833	24.6999	24.6995
24.000	88.0720	0.9550	3.39259	32.1314	9.4410	24.8034	24.8030
28.000	88.0923	0.6337	3.19832	32.1809	9.3074	24.8633	24.8628
32.000	87.9095	0.6161	3.03912	32.2395	9.1687	24.9309	24.9304
36.000	87.9219	0.5901	2.79288	32.3362	8.9429	25.0416	25.0411
40.000	87.7467	0.5706	2.68945	32.3676	8.8692	25.0776	25.0770
44.000	87.2976	0.5687	2.47358	32.4480	8.6974	25.1668	25.1661
48.000	86.8179	0.5512	2.21462	32.5261	8.5257	25.2539	25.2532
52.000	86.0773	0.5305	1.84228	32.6369	8.2545	25.3812	25.3804
56.000	85.3319	0.6542	1.40831	32.7153	8.0577	25.4715	25.4707
60.000	85.3086	0.4827	1.12713	32.7494	8.0088	25.5054	25.5045
64.000	84.9826	0.4774	1.03045	32.7631	8.0103	25.5159	25.5150
68.000	84.3866	0.4827	1.00968	32.7841	8.0217	25.5307	25.5298
72.000	84.3525	0.4889	0.99672	32.7945	8.0291	25.5378	25.5368
76.000	84.0969	0.4907	0.99184	32.8020	8.0326	25.5432	25.5421
80.000	83.7338	0.4996	1.00060	32.8075	8.0242	25.5488	25.5476
84.000	83.2481	0.5109	1.01801	32.8173	8.0115	25.5583	25.5571
88.000	82.8693	0.5201	1.04551	32.8222	8.0062	25.5629	25.5616
92.000	82.4472	0.5239	1.06322	32.8291	8.0024	25.5689	25.5676
96.000	82.2189	0.5267	1.06079	32.8328	8.0007	25.5720	25.5707
100.000	82.1225	0.5154	1.07880	32.8395	8.0029	25.5770	25.5755
104.000	81.9582	0.5131	1.10173	32.8449	8.0058	25.5808	25.5793
108.000	81.5684	0.5161	1.11898	32.8486	7.9985	25.5847	25.5832
112.000	81.5678	0.5251	1.16285	32.8560	7.9906	25.5917	25.5901
116.000	81.4023	0.5194	1.21234	32.8614	7.9780	25.5978	25.5961
120.000	80.4621	0.5367	1.21603	32.8629	7.9732	25.5996	25.5979

Station = 76000801
 Date & Time = Aug 21 2002 13:52:33
 Latitude = 49 1.96 N
 Longitude = 125 9.13 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	15.0515	-0.1911	7.56805	31.1661	14.5463	23.1138	23.1136
8.000	79.7365	2.6752	6.23220	31.8113	11.4922	24.2063	24.2061
12.000	85.7502	2.8625	5.15412	31.8498	10.7454	24.3676	24.3674
16.000	87.3033	1.0621	4.61849	31.8956	10.2543	24.4866	24.4863
20.000	87.6921	0.7785	4.26501	31.9690	9.9764	24.5900	24.5896
24.000	87.8500	0.6702	3.79389	32.0543	9.6752	24.7057	24.7053
28.000	87.9470	0.6357	3.51855	32.1018	9.5244	24.7669	24.7665
32.000	87.8357	0.6136	3.29230	32.1817	9.3202	24.8619	24.8614
36.000	87.4822	0.6083	3.10441	32.2505	9.1425	24.9436	24.9430
40.000	87.4381	0.5853	2.89244	32.3247	8.9751	25.0277	25.0270
44.000	86.9810	0.5749	2.64451	32.3986	8.7742	25.1164	25.1157
48.000	86.5218	0.5458	2.44173	32.4618	8.6133	25.1903	25.1896
52.000	86.1878	0.5286	2.15476	32.5345	8.4263	25.2753	25.2746
56.000	85.6552	0.5101	1.79706	32.6489	8.2014	25.3984	25.3975
60.000	85.4114	0.4853	1.39046	32.7209	8.0203	25.4814	25.4805
64.000	85.2709	0.4736	1.15967	32.7445	8.0112	25.5012	25.5003
68.000	84.5319	0.4730	1.04794	32.7829	8.0207	25.5299	25.5290
72.000	84.2047	0.4860	1.02110	32.7934	8.0295	25.5369	25.5359
76.000	83.8255	0.4705	0.99459	32.8079	8.0479	25.5456	25.5445
80.000	83.3339	0.4766	0.96159	32.8194	8.0656	25.5521	25.5509
84.000	83.2134	0.4787	0.97643	32.8291	8.0564	25.5610	25.5598
88.000	83.0770	0.4974	1.01386	32.8322	8.0401	25.5658	25.5646
92.000	82.9154	0.5068	1.03239	32.8349	8.0242	25.5702	25.5689
96.000	82.7372	0.5099	1.06751	32.8417	8.0205	25.5761	25.5747
100.000	82.7603	0.5095	1.11262	32.8477	8.0222	25.5805	25.5791
104.000	82.8265	0.5201	1.18791	32.8555	8.0163	25.5876	25.5861
108.000	82.8095	0.5157	1.22786	32.8570	8.0119	25.5894	25.5879
112.000	82.8213	0.5223	1.24556	32.8577	8.0114	25.5900	25.5884
116.000	82.8206	0.5159	1.25762	32.8595	8.0125	25.5912	25.5896
120.000	82.8253	0.5125	1.30161	32.8614	7.9924	25.5956	25.5939
124.000	82.6773	0.5073	1.31728	32.8630	7.9798	25.5987	25.5970
128.000	82.3722	0.5117	1.30493	32.8662	7.9681	25.6030	25.6012
132.000	81.8772	0.5174	1.30209	32.8689	7.9610	25.6061	25.6042
136.000	81.4578	0.5227	1.30282	32.8706	7.9569	25.6080	25.6061
140.000	81.4828	0.5249	1.31168	32.8721	7.9542	25.6096	25.6076
144.000	81.4995	0.5150	1.31391	32.8720	7.9543	25.6095	25.6075
148.000	81.4773	0.5234	1.31211	32.8718	7.9547	25.6093	25.6072
152.000	81.5523	0.5285	1.31275	32.8717	7.9547	25.6092	25.6071
156.000	81.5802	0.5292	1.31650	32.8721	7.9539	25.6096	25.6074
160.000	81.5955	0.5290	1.32895	32.8755	7.9482	25.6132	25.6109
164.000	81.5531	0.5435	1.33263	32.8763	7.9472	25.6139	25.6116
168.000	81.4960	0.5392	1.33260	32.8762	7.9473	25.6138	25.6115
172.000	81.5660	0.5454	1.33284	32.8762	7.9471	25.6138	25.6114
176.000	81.6544	0.5824	1.33691	32.8769	7.9461	25.6145	25.6121

Station = 76000901

Date & Time = Aug 20 2002 19:02:33

Latitude = 49 2.52 N

Longitude = 125 9.16 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	71.2135	2.0845	7.47835	31.5526	14.3690	23.4486	23.4484
8.000	78.1943	2.2434	7.67833	32.5379	11.3347	24.7992	24.7990
12.000	86.2126	2.0043	5.55182	31.9349	10.4139	24.4905	24.4902
16.000	87.2894	0.8989	4.83127	31.9457	10.0410	24.5612	24.5609
20.000	87.5304	0.7245	4.34147	32.0368	9.7182	24.6850	24.6847
24.000	87.2284	0.6381	3.87612	32.1090	9.5024	24.7761	24.7757
28.000	87.6345	0.6254	3.46536	32.1822	9.3205	24.8622	24.8617
32.000	87.5259	0.6123	3.16725	32.2527	9.1405	24.9456	24.9451
36.000	87.2227	0.5924	2.92998	32.3295	8.9451	25.0361	25.0355
40.000	86.7920	0.5632	2.68647	32.4116	8.7269	25.1338	25.1331
44.000	86.3522	0.5305	2.32200	32.5036	8.4886	25.2418	25.2412
48.000	85.7588	0.5014	1.93861	32.6092	8.2424	25.3612	25.3605
52.000	85.5373	0.4765	1.51992	32.7090	8.0262	25.4712	25.4704
56.000	85.6224	0.4646	1.16329	32.7425	7.9929	25.5023	25.5015
60.000	85.2011	0.4619	1.02180	32.7573	8.0005	25.5127	25.5119
64.000	84.9139	0.4900	1.00766	32.7695	8.0085	25.5212	25.5203
68.000	84.7078	0.4705	1.04590	32.7819	8.0131	25.5303	25.5293
72.000	84.5143	0.4737	1.07225	32.7924	8.0250	25.5368	25.5358
76.000	83.7213	0.4890	1.04131	32.8049	8.0480	25.5432	25.5421
80.000	82.9536	0.4917	0.96809	32.8249	8.0834	25.5538	25.5526
84.000	82.6705	0.5000	0.92653	32.8374	8.0878	25.5629	25.5617
88.000	82.6163	0.5067	1.02207	32.8432	8.0714	25.5698	25.5686
92.000	82.4880	0.5155	1.16116	32.8467	8.0493	25.5758	25.5745
96.000	82.3832	0.5186	1.19464	32.8507	8.0524	25.5785	25.5771
100.000	82.7282	0.5269	1.18052	32.8560	8.0403	25.5844	25.5830
104.000	82.8109	0.5253	1.23872	32.8567	8.0303	25.5865	25.5850
108.000	82.9305	0.5266	1.26865	32.8588	8.0191	25.5897	25.5882
112.000	82.9215	0.5538	1.29586	32.8610	8.0131	25.5923	25.5907
116.000	82.9815	0.5288	1.30925	32.8625	8.0063	25.5945	25.5928
120.000	82.9074	0.5331	1.34332	32.8638	7.9944	25.5972	25.5955
124.000	82.8788	0.5288	1.36396	32.8647	7.9892	25.5987	25.5969
128.000	82.8637	0.5305	1.37666	32.8655	7.9859	25.5998	25.5980
132.000	82.8412	0.5306	1.38641	32.8666	7.9816	25.6013	25.5995
136.000	82.7786	0.5260	1.39617	32.8680	7.9753	25.6033	25.6014
140.000	82.7428	0.5319	1.40836	32.8701	7.9683	25.6060	25.6040
144.000	82.7340	0.5316	1.41630	32.8724	7.9622	25.6087	25.6066
148.000	82.6955	0.5377	1.41829	32.8745	7.9562	25.6112	25.6091
152.000	82.6554	0.5805	1.41890	32.8760	7.9507	25.6132	25.6111
156.000	82.5249	0.5333	1.40823	32.8772	7.9462	25.6147	25.6125
160.000	82.3664	0.5386	1.38931	32.8779	7.9447	25.6155	25.6133
164.000	82.2851	0.5409	1.37947	32.8783	7.9445	25.6159	25.6136
168.000	82.2696	0.5414	1.37377	32.8785	7.9445	25.6160	25.6136
172.000	82.2106	0.5413	1.36735	32.8786	7.9445	25.6161	25.6137
176.000	81.9811	0.5471	1.35924	32.8790	7.9445	25.6164	25.6139
180.000	81.9953	0.5553	1.35308	32.8789	7.9444	25.6163	25.6138
184.000	81.9839	0.5462	1.35223	32.8797	7.9440	25.6170	25.6144
188.000	81.9856	0.5464	1.35683	32.8802	7.9434	25.6175	25.6149
192.000	82.0570	0.5717	1.34940	32.8803	7.9439	25.6175	25.6148
196.000	81.6720	0.6024	1.32758	32.8808	7.9448	25.6178	25.6150

tation = 76001001

Date & Time = Aug 21 2002 13:24:22

Latitude = 49 3.02 N

Longitude = 125 8.68 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	-0.6479	-0.8383	7.10807	31.0026	14.3558	23.0273	23.0272
8.000	48.4761	3.1537	6.57873	31.6453	12.0285	23.9796	23.9794
12.000	84.7138	2.7071	5.77776	31.7986	10.7654	24.3243	24.3241
16.000	86.9419	1.0729	5.27623	31.8655	10.3168	24.4527	24.4524
20.000	87.2808	0.7930	4.79782	31.9537	9.9850	24.5766	24.5763
24.000	87.5817	0.7220	4.12360	32.0376	9.7176	24.6858	24.6853
28.000	87.6047	0.6146	3.74861	32.0944	9.5465	24.7577	24.7572
32.000	87.5429	0.5970	3.56671	32.1337	9.4294	24.8070	24.8065
36.000	87.4541	0.5772	3.28149	32.2198	9.2088	24.9092	24.9086
40.000	87.3425	0.6601	3.05412	32.2834	9.0429	24.9848	24.9842
44.000	86.9707	0.5418	2.71054	32.3844	8.8063	25.1003	25.0997
48.000	86.8562	0.5312	2.52481	32.4101	8.7254	25.1328	25.1321
52.000	86.3306	0.5248	2.12257	32.5301	8.4144	25.2737	25.2729
56.000	85.5552	0.4827	1.73243	32.6567	8.1478	25.4124	25.4116
60.000	85.4116	0.4493	1.35916	32.7177	8.0174	25.4793	25.4784
64.000	85.1824	0.6077	1.09575	32.7438	7.9990	25.5024	25.5015
68.000	84.7108	0.4581	0.96347	32.7632	8.0053	25.5167	25.5157
72.000	84.3706	0.4597	0.96235	32.7841	8.0210	25.5309	25.5298
76.000	83.9925	0.4637	0.93663	32.7967	8.0355	25.5386	25.5375
80.000	83.2882	0.4772	0.89187	32.8134	8.0614	25.5479	25.5468
84.000	82.9037	0.4796	0.88381	32.8257	8.0782	25.5551	25.5539
88.000	82.3281	0.4843	0.88615	32.8356	8.0838	25.5621	25.5608

Station = 76001101
Date & Time = Aug 20 2002 20:53:44
Latitude = 49 3.48 N
Longitude = 125 8.86 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	72.3821	1.9994	8.42000	31.6496	14.0184	23.5956	23.5955
8.000	78.8671	2.1597	6.42069	31.7690	11.4996	24.1721	24.1719
12.000	85.7029	1.8535	5.61763	31.8160	10.6290	24.3612	24.3610
16.000	87.3013	1.2013	5.02647	31.9627	9.9870	24.5833	24.5830
20.000	87.3671	0.6772	4.47058	31.9988	9.8271	24.6377	24.6373
24.000	87.5226	0.6345	4.28656	32.0115	9.7712	24.6566	24.6562
28.000	87.5453	0.6264	4.02276	32.0792	9.5850	24.7396	24.7391
32.000	87.4802	0.6036	3.52649	32.2013	9.2626	24.8863	24.8858

Station = 76001201
 Date & Time = Aug 21 2002 12:37:47
 Latitude = 49 4.00 N
 Longitude = 125 9.17 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	71.6838	1.9711	6.04317	29.4492	15.1422	21.6672	21.6671
8.000	76.9619	2.1125	6.15120	31.8047	11.8764	24.1313	24.1311
12.000	85.0004	2.5747	6.36788	31.8431	10.6766	24.3742	24.3740
16.000	87.3838	0.9670	5.71085	31.9201	10.0534	24.5391	24.5388
20.000	87.5678	0.6709	4.92114	31.9919	9.7662	24.6422	24.6418
24.000	87.3755	0.6444	4.29431	32.0524	9.6350	24.7106	24.7102
28.000	87.3432	0.5997	3.87032	32.1385	9.3753	24.8194	24.8189
32.000	87.3892	0.5583	3.55152	32.1918	9.2058	24.8878	24.8873
36.000	87.2620	0.7565	3.22679	32.2682	8.9990	24.9798	24.9792
40.000	87.0348	0.5286	2.79696	32.3677	8.7693	25.0929	25.0923
44.000	86.8053	0.5031	2.31362	32.4394	8.5146	25.1876	25.1869
48.000	86.7856	0.4764	1.97604	32.4861	8.3647	25.2466	25.2459
52.000	86.9339	0.4553	1.78861	32.5036	8.3156	25.2676	25.2668
56.000	86.4826	0.4642	1.62568	32.5287	8.3109	25.2880	25.2872
60.000	86.2442	0.4578	1.32032	32.5425	8.2970	25.3008	25.3000
64.000	85.3788	0.4728	1.02664	32.5566	8.3060	25.3106	25.3096
68.000	84.6832	0.4904	0.45166	32.5662	8.3059	25.3181	25.3171
72.000	84.7296	0.4855	0.26188	32.5686	8.3064	25.3199	25.3189
76.000	84.8177	0.4712	0.39217	32.5701	8.3049	25.3213	25.3202
80.000	85.1828	0.4728	0.83807	32.5718	8.3021	25.3231	25.3219
84.000	85.1208	0.4923	0.72489	32.5768	8.3127	25.3254	25.3242
88.000	85.4573	0.5045	0.45544	32.5875	8.3329	25.3308	25.3295
92.000	77.0579	0.5606	0.16953	32.6073	8.3720	25.3405	25.3392
96.000	78.0423	0.6085	0.05032	32.6325	8.4190	25.3532	25.3518
100.000	84.5503	0.6335	0.02761	32.6472	8.4467	25.3607	25.3592
104.000	86.9222	0.6632	0.01819	32.6562	8.4654	25.3649	25.3633
108.000	87.2800	0.6957	0.01275	32.6610	8.4756	25.3671	25.3655
112.000	87.3583	0.7201	0.00940	32.6644	8.4830	25.3687	25.3670

Station = 76001301
 Date & Time = Aug 21 2002 10:33:40
 Latitude = 49 4.48 N
 Longitude = 125 9.83 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	22.1592	-0.0485	6.74871	29.9369	16.2724	21.7969	21.7967
8.000	79.7757	2.1248	7.10014	31.8225	12.1508	24.0943	24.0942
12.000	85.8404	1.6874	6.66943	31.8512	10.6245	24.3894	24.3892
16.000	87.5821	0.8697	5.88771	31.8961	10.0694	24.5178	24.5175
20.000	87.8448	0.6552	5.15754	31.9850	9.7182	24.6445	24.6442
24.000	87.6290	0.5955	4.45397	32.0530	9.5359	24.7270	24.7266
28.000	87.7045	0.5751	3.95793	32.1308	9.3250	24.8213	24.8209
32.000	87.5627	0.5387	3.51213	32.2101	9.1450	24.9116	24.9111
36.000	87.3303	0.5438	3.15178	32.2747	8.9772	24.9882	24.9877
40.000	87.1235	0.5218	2.75404	32.3361	8.7507	25.0710	25.0704
44.000	86.9816	0.5006	2.35531	32.4150	8.5530	25.1627	25.1621
48.000	86.7859	0.4762	1.90491	32.4845	8.3685	25.2448	25.2441
52.000	86.8697	0.4647	1.62258	32.5080	8.2940	25.2743	25.2735
56.000	86.6392	0.4581	1.43840	32.5317	8.2913	25.2932	25.2924
60.000	85.7282	0.4764	1.20261	32.5488	8.3044	25.3047	25.3038
64.000	84.9973	0.4982	0.69304	32.5597	8.3022	25.3135	25.3126
68.000	84.7030	0.5012	0.34558	32.5673	8.3055	25.3191	25.3181
72.000	84.8032	0.5003	0.22781	32.5691	8.3072	25.3202	25.3191
76.000	84.8147	0.5041	0.22588	32.5712	8.3085	25.3217	25.3205
80.000	84.8806	0.5071	0.37067	32.5740	8.3090	25.3237	25.3226
84.000	85.2234	0.4999	0.55330	32.5767	8.3098	25.3257	25.3245
88.000	85.5249	0.5167	0.47525	32.5835	8.3221	25.3292	25.3279
92.000	85.5287	0.5317	0.35620	32.5863	8.3299	25.3303	25.3290

Station = 76001401
 Date & Time = Aug 21 2002 10:09:39
 Latitude = 49 5.17 N
 Longitude = 125 10.68 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	69.4913	2.0424	7.21317	31.2232	15.6937	22.9123	22.9121
8.000	72.4583	2.0939	7.96706	32.1625	12.0119	24.3839	24.3837
12.000	77.6766	1.8386	6.74330	31.9043	10.6876	24.4199	24.4197
16.000	79.3453	1.0693	5.81091	31.9009	10.0849	24.5190	24.5187
20.000	80.3959	0.7469	5.15433	31.9803	9.6633	24.6498	24.6494
24.000	80.6132	0.6375	4.27462	32.0698	9.3642	24.7674	24.7670
28.000	80.7092	0.7570	3.58342	32.1377	9.1742	24.8505	24.8500
32.000	80.7002	0.5764	3.01931	32.2123	8.9515	24.9433	24.9428
36.000	79.9055	0.5778	2.05435	32.2880	8.7323	25.0361	25.0356
40.000	79.1233	0.5846	1.60952	32.3599	8.5926	25.1136	25.1130
44.000	78.9974	0.5323	1.35641	32.4547	8.4124	25.2149	25.2142
48.000	72.7582	0.6260	0.55381	32.5199	8.2830	25.2852	25.2845

Station = 76001501
Date & Time = Aug 21 2002 08:54:20
Latitude = 49 5.53 N
Longitude = 125 11.73 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	74.9693	2.2403	6.72619	30.9150	15.7296	22.6675	22.6674
8.000	79.3077	2.1696	7.31970	32.0270	11.7903	24.3196	24.3195
12.000	84.4606	2.1001	6.19399	31.9611	10.3972	24.5137	24.5135
16.000	85.8200	1.4692	4.89527	31.9616	9.8719	24.6013	24.6010
20.000	86.4445	1.2378	3.95927	32.0095	9.5863	24.6850	24.6846
24.000	86.7136	1.0463	3.36164	32.0621	9.3552	24.7629	24.7625

Station = 76002001
 Date & Time = Aug 21 2002 18:14:57
 Latitude = 48 58.91 N
 Longitude = 125 19.70 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	16.2159	-0.0004	6.26482	31.7015	15.3180	23.3619	23.3618
8.000	77.4177	2.4328	6.08100	31.7871	12.2493	24.0485	24.0483
12.000	86.5439	1.7532	4.37566	31.7978	10.8566	24.3080	24.3077
16.000	86.9156	1.0330	3.70227	31.8690	10.2569	24.4655	24.4652
20.000	87.0481	1.0161	3.04650	31.9881	9.8101	24.6321	24.6317
24.000	87.2731	0.8080	2.80945	32.0580	9.5230	24.7330	24.7326
28.000	86.8947	0.7250	2.90402	32.1322	9.3714	24.8151	24.8146
32.000	86.3973	0.7407	2.77776	32.2178	9.1523	24.9165	24.9160

Station = 76002101
Date & Time = Aug 21 2002 18:43:54
Latitude = 49 1.17 N
Longitude = 125 19.29 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	-1.0620	-0.8746	6.77530	30.8072	16.4795	22.4179	22.4177
8.000	41.3411	0.8180	7.12740	31.7706	12.5122	23.9861	23.9859
12.000	84.4627	2.4245	4.71058	31.7813	10.9668	24.2759	24.2757
16.000	86.4795	1.0620	3.63927	31.8522	10.3072	24.4439	24.4436
20.000	86.2344	0.9488	2.91138	31.9713	9.8384	24.6144	24.6140
24.000	85.2096	0.9069	2.27958	32.0977	9.5022	24.7673	24.7669

Station = 76002201
Date & Time = Aug 21 2002 19:11:36
Latitude = 49 1.33 N
Longitude = 125 17.50 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	37.1095	0.6632	6.27216	31.6977	16.0352	23.2011	23.2010
8.000	67.2565	2.1976	6.78560	32.0594	12.5130	24.2097	24.2095
12.000	85.0786	3.1145	5.04588	31.8277	10.8840	24.3264	24.3262
16.000	86.4018	1.2817	3.85088	31.8847	10.2330	24.4817	24.4814
20.000	86.3808	1.0353	3.45643	31.9499	9.8443	24.5967	24.5964
24.000	86.0928	0.9534	2.87821	32.0666	9.4939	24.7444	24.7440
28.000	85.1891	0.9337	2.19219	32.1571	9.3618	24.8361	24.8356
32.000	84.3229	0.8982	1.83850	32.1994	9.2946	24.8798	24.8792

Station = 76002301
Date & Time = Aug 21 2002 19:42:33
Latitude = 49 1.59 N
Longitude = 125 15.59 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	68.6917	2.0131	5.77636	31.0329	16.4957	22.5873	22.5872
8.000	60.6873	2.2923	6.50917	32.0692	12.5218	24.2157	24.2155
12.000	77.5450	4.7161	6.03825	31.8077	11.0826	24.2762	24.2760
16.000	81.1666	1.7458	5.10635	31.8401	10.4771	24.4059	24.4056
20.000	81.3996	1.2314	4.30134	31.9361	9.8629	24.5829	24.5825
24.000	80.9019	0.9943	3.36313	32.0289	9.4298	24.7251	24.7247
28.000	80.5872	0.9318	2.34894	32.1359	9.3213	24.8259	24.8255
32.000	79.7850	0.9371	1.84392	32.2085	9.2526	24.8935	24.8930
36.000	78.7201	0.9698	1.66636	32.2382	9.2132	24.9229	24.9223

Station = 76002401
 Date & Time = Aug 21 2002 20:14:41
 Latitude = 49 1.94 N
 Longitude = 125 14.01 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	69.1145	1.9342	6.06891	31.2153	16.0905	22.8183	22.8182
8.000	62.5148	2.1410	6.28864	32.8626	12.4677	24.8408	24.8406
12.000	76.6226	4.3190	6.80128	31.9307	10.9749	24.3907	24.3905
16.000	81.7858	1.8508	5.95176	31.8889	10.1928	24.4917	24.4914
20.000	81.7816	1.1173	4.77621	31.9525	9.7199	24.6189	24.6186
24.000	80.8692	0.9793	3.45380	32.0217	9.3635	24.7300	24.7296
28.000	80.8460	0.8895	2.64354	32.1027	9.1295	24.8300	24.8296
32.000	80.3216	0.8446	2.06405	32.1702	9.0271	24.8987	24.8982
36.000	79.7822	0.8563	1.78902	32.2050	8.9719	24.9345	24.9339
40.000	79.2808	0.8434	1.61559	32.2357	8.9648	24.9596	24.9590
44.000	78.2642	0.8677	1.48014	32.2670	8.9763	24.9823	24.9816
48.000	78.9087	0.8513	1.37823	32.2564	8.6968	25.0168	25.0161
52.000	82.4887	0.6920	1.12241	32.2787	8.2422	25.1021	25.1013
56.000	82.3353	0.6820	0.44251	32.3532	8.1183	25.1786	25.1778
60.000	80.1923	0.7271	0.12899	32.3713	8.0922	25.1966	25.1957

Station = 76002501
Date & Time = Aug 21 2002 21:00:54
Latitude = 49 2.21 N
Longitude = 125 12.55 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	10.7357	-0.3769	6.32809	31.4056	15.8312	23.0221	23.0220
8.000	63.1378	2.1677	6.57486	32.6571	12.5189	24.6718	24.6716
12.000	76.6547	7.9060	6.98320	31.9616	10.9988	24.4106	24.4104
16.000	80.6350	2.3416	6.35496	31.9046	10.2168	24.4999	24.4996
20.000	81.0979	1.2286	5.07617	31.9664	9.6482	24.6414	24.6410
24.000	80.4266	0.9143	3.46064	32.0326	9.2418	24.7577	24.7573
28.000	79.5180	0.8417	2.46149	32.0909	9.0655	24.8308	24.8303
32.000	79.3361	0.8954	1.99580	32.1335	9.0085	24.8729	24.8724

Station = 76003101
Date & Time = Aug 25 2002 09:42:36
Latitude = 49 14.11 N
Longitude = 126 1.92 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	74.1625	2.6191	5.72693	30.6503	13.1158	23.0033	23.0032
8.000	72.6243	5.4150	5.89170	30.8912	12.7506	23.2598	23.2596
12.000	71.5791	11.1720	-9.99999	30.9885	12.5902	23.3656	23.3653

Station = 76003201
Date & Time = Aug 25 2002 09:21:47
Latitude = 49 15.59 N
Longitude = 126 2.14 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
--------------	---------------------	--------------------------------------	------------------	-------------------	------------------------	------------------------	--------------------

TOO SHALLOW - NOT ENOUGH DATA IN 4 M BIN

Station = 76003301
Date & Time = Aug 24 2002 20:27:10
Latitude = 49 17.78 N
Longitude = 126 2.24 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	20.1530	0.0252	6.49335	31.0660	13.0016	23.3469	23.3468
8.000	70.8366	2.2325	6.13437	31.0489	12.9512	23.3434	23.3432
12.000	74.6303	2.6537	5.71756	30.9968	12.5804	23.3739	23.3736
16.000	76.9513	7.0187	5.09797	31.0533	12.2646	23.4769	23.4765
20.000	80.4854	4.2213	4.50533	31.1158	11.9708	23.5795	23.5790
24.000	81.0397	3.0476	4.15065	31.1828	11.7743	23.6673	23.6668
28.000	80.7419	3.1210	4.07196	31.2243	11.7071	23.7117	23.7111
32.000	80.7210	2.7160	3.64041	31.2665	11.3020	23.8169	23.8162
36.000	81.1754	1.3986	2.85170	31.3531	10.6817	23.9919	23.9912
40.000	79.7261	0.8857	2.51379	31.3739	10.5441	24.0315	24.0307

Station = 76003401
 Date & Time = Aug 24 2002 20:54:09
 Latitude = 49 18.75 N
 Longitude = 126 0.84 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	71.0528	2.1887	6.01917	30.9744	14.4708	22.9817	22.9816
8.000	73.0689	2.9377	6.11094	31.0279	12.8953	23.3379	23.3377
12.000	77.8084	8.0317	5.25534	31.0226	12.4769	23.4134	23.4131
16.000	80.6748	4.5646	4.71795	31.0806	12.1042	23.5277	23.5273
20.000	80.8991	3.2655	4.24631	31.1783	11.7802	23.6628	23.6623
24.000	81.7216	2.7673	3.76533	31.2113	11.3689	23.7621	23.7616
28.000	83.8294	1.4791	3.13134	31.2364	10.9297	23.8585	23.8579
32.000	82.9099	1.0933	3.02854	31.3028	10.9861	23.9004	23.8998
36.000	83.3490	0.8530	2.76532	31.3224	10.7416	23.9578	23.9571
40.000	82.9502	0.7643	2.46805	31.3287	10.5378	23.9973	23.9966
44.000	82.3509	0.7470	2.37514	31.3480	10.5523	24.0099	24.0090
48.000	81.1625	0.7825	2.37644	31.3619	10.5593	24.0195	24.0186
52.000	80.5442	0.7817	2.25078	31.3621	10.4231	24.0426	24.0417
56.000	80.1917	0.7361	1.99989	31.3415	10.2154	24.0612	24.0602
60.000	79.9412	0.7091	1.82900	31.3232	10.1009	24.0659	24.0648
64.000	79.8206	0.6998	1.74578	31.3112	9.9974	24.0734	24.0723
68.000	81.4735	0.6745	1.66830	31.2962	9.8759	24.0815	24.0803
72.000	81.4547	0.6588	1.64375	31.3002	9.8827	24.0836	24.0823
76.000	80.1496	0.6619	1.62568	31.3062	9.8926	24.0866	24.0853
80.000	79.3534	0.6717	1.59440	31.3043	9.8531	24.0915	24.0901
84.000	79.1617	0.6608	1.57383	31.2957	9.7717	24.0979	24.0965
88.000	80.8407	0.6338	1.61965	31.2824	9.6837	24.1017	24.1001
92.000	81.8233	0.6140	1.71608	31.2655	9.5729	24.1061	24.1046
96.000	80.7422	0.6240	1.75821	31.2663	9.5753	24.1063	24.1047

Station = 76003501
 Date & Time = Aug 24 2002 21:25:01
 Latitude = 49 19.67 N
 Longitude = 125 58.83 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	74.6768	2.1146	6.10215	31.3618	13.5437	23.4692	23.4691
8.000	73.3664	2.3595	5.83087	31.0337	12.6038	23.3980	23.3978
12.000	80.4856	3.7634	4.93364	30.9660	12.3795	23.3878	23.3875
16.000	82.6477	2.7975	4.47548	31.0209	12.0565	23.4902	23.4899
20.000	83.6083	2.2154	4.10655	31.0565	11.7721	23.5697	23.5693
24.000	85.3190	1.1029	3.59184	31.1113	11.4780	23.6651	23.6645
28.000	85.5264	0.9430	3.31825	31.1104	11.1823	23.7166	23.7160
32.000	86.1871	0.7658	2.86374	31.1052	10.6691	23.8011	23.8004
36.000	85.9152	0.7038	2.49250	31.2043	10.4548	23.9144	23.9137
40.000	85.4781	0.6748	2.24330	31.2286	10.1789	23.9793	23.9785
44.000	84.9072	0.6740	2.14914	31.2619	10.1110	24.0164	24.0156
48.000	85.0300	0.6578	1.90996	31.2405	9.8638	24.0400	24.0392
52.000	85.2917	0.6516	1.65736	31.2321	9.7336	24.0544	24.0535
56.000	85.2051	0.6253	1.51995	31.2375	9.7056	24.0631	24.0621
60.000	85.0384	0.6236	1.48940	31.2454	9.7018	24.0699	24.0689
64.000	84.8702	0.6198	1.51832	31.2531	9.7046	24.0755	24.0744
68.000	84.7919	0.6196	1.57267	31.2618	9.7283	24.0784	24.0773
72.000	84.7502	0.6243	1.63500	31.2660	9.7299	24.0814	24.0802
76.000	84.4814	0.6232	1.62182	31.2647	9.6885	24.0871	24.0858
80.000	84.4608	0.6162	1.60002	31.2671	9.6824	24.0900	24.0886
84.000	84.4510	0.6263	1.61170	31.2727	9.6874	24.0935	24.0920
88.000	84.1594	0.6286	1.61493	31.2730	9.6742	24.0959	24.0944
92.000	83.8852	0.6275	1.64780	31.2709	9.6507	24.0980	24.0964
96.000	83.8824	0.6173	1.70257	31.2708	9.6367	24.1001	24.0984
100.000	83.9079	0.6177	1.70862	31.2680	9.6101	24.1021	24.1004
104.000	83.5017	0.6095	1.75632	31.2638	9.5646	24.1061	24.1044
108.000	82.9112	0.6052	1.79903	31.2595	9.5332	24.1077	24.1059
112.000	82.8856	0.6013	1.81717	31.2580	9.5209	24.1085	24.1066
116.000	82.5941	0.5907	1.83120	31.2563	9.5026	24.1101	24.1081

Station = 76003601
 Date & Time = Aug 24 2002 22:04:26
 Latitude = 49 21.66 N
 Longitude = 125 56.98 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	-0.8725	-0.8676	6.19591	30.4375	14.7840	22.5029	22.5028
8.000	53.4572	1.1777	6.07475	31.2237	13.0450	23.4605	23.4603
12.000	72.7738	2.6927	6.24195	30.8559	12.5060	23.2788	23.2785
16.000	76.9398	7.0976	5.00086	30.7981	12.0106	23.3259	23.3255
20.000	82.4239	3.7473	4.08163	30.8005	11.6145	23.3994	23.3990
24.000	84.7625	2.2104	3.51546	30.8238	11.2053	23.4898	23.4893
28.000	86.2945	1.2513	3.06281	30.8640	10.8309	23.5858	23.5853
32.000	86.8395	0.9105	2.70549	30.8907	10.4831	23.6655	23.6649
36.000	86.9239	0.8211	2.28305	30.9360	10.1076	23.7629	23.7623
40.000	86.8329	0.7160	1.92872	31.0072	9.8713	23.8568	23.8561
44.000	86.7310	0.6689	1.92403	31.1151	9.8366	23.9466	23.9458
48.000	86.5149	0.6230	1.83180	31.1602	9.7931	23.9888	23.9879
52.000	86.4942	0.6066	1.67138	31.1787	9.7138	24.0159	24.0150
56.000	86.5073	0.6028	1.60877	31.1959	9.7112	24.0298	24.0288
60.000	86.1841	0.6052	1.55606	31.2096	9.6892	24.0440	24.0430
64.000	86.1366	0.6021	1.47914	31.2196	9.6637	24.0559	24.0548
68.000	86.1082	0.5994	1.41462	31.2263	9.6359	24.0655	24.0643
72.000	85.9517	0.6016	1.32681	31.2368	9.6413	24.0728	24.0716
76.000	85.7697	0.5962	1.25814	31.2463	9.6428	24.0800	24.0787
80.000	85.4371	0.5994	1.20411	31.2569	9.6578	24.0859	24.0845
84.000	85.1435	0.5974	1.15072	31.2655	9.6727	24.0902	24.0888
88.000	84.8194	0.5987	1.13762	31.2720	9.6810	24.0940	24.0925
92.000	84.6090	0.5984	1.11045	31.2757	9.6833	24.0965	24.0949
96.000	84.5773	0.5945	1.08944	31.2805	9.6845	24.1001	24.0984
100.000	84.6824	0.5871	1.19341	31.2753	9.6276	24.1051	24.1034
104.000	84.6949	0.5811	1.35447	31.2712	9.5896	24.1079	24.1062
108.000	84.5696	0.5775	1.51586	31.2664	9.5513	24.1103	24.1084
112.000	84.4576	0.5797	1.50842	31.2667	9.5494	24.1107	24.1088
116.000	84.1555	0.5826	1.51147	31.2650	9.5336	24.1120	24.1100
120.000	83.9918	0.5821	1.52466	31.2642	9.5234	24.1129	24.1109
124.000	83.8064	0.5772	1.52872	31.2630	9.5121	24.1138	24.1117
128.000	83.2036	0.5751	1.61256	31.2586	9.4799	24.1155	24.1133
132.000	83.1318	0.5836	1.73846	31.2556	9.4609	24.1161	24.1139

Station = 76003701
 Date & Time = Aug 24 2002 22:38:07
 Latitude = 49 23.58 N
 Longitude = 125 56.26 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	-1.1270	-0.8772	6.59904	29.7328	15.6129	21.7848	21.7846
8.000	-1.1270	-0.8772	5.87270	30.8304	12.2060	23.3150	23.3148
12.000	19.5363	1.1371	5.14206	30.7413	11.8278	23.3151	23.3148
16.000	81.1356	4.4141	4.00095	30.7040	11.2848	23.3828	23.3825
20.000	83.5261	3.1091	3.43517	30.7139	11.0148	23.4375	23.4371
24.000	84.8252	2.1319	3.06738	30.7365	10.8274	23.4872	23.4868
28.000	85.7465	1.5904	2.59400	30.7870	10.4780	23.5856	23.5851
32.000	86.3010	1.1746	2.27938	30.8082	10.2843	23.6342	23.6337
36.000	86.5251	1.0043	1.99849	30.8432	10.1230	23.6880	23.6874
40.000	86.8294	0.8245	1.67728	30.9168	9.8530	23.7892	23.7885
44.000	86.8537	0.6962	1.39396	31.0434	9.7323	23.9074	23.9066
48.000	86.7370	0.6187	1.16757	31.1203	9.7319	23.9674	23.9666
52.000	86.6037	0.6044	1.07520	31.1647	9.7423	24.0004	23.9995
56.000	86.3903	0.6088	0.94329	31.1954	9.7587	24.0218	24.0208
60.000	86.3007	0.6009	0.93814	31.2109	9.7518	24.0350	24.0339
64.000	86.1158	0.5983	0.92715	31.2337	9.7482	24.0534	24.0522
68.000	85.8808	0.5974	0.92217	31.2498	9.7421	24.0669	24.0657
72.000	85.2733	0.5981	0.73903	31.2714	9.7829	24.0772	24.0759
76.000	84.9412	0.5991	0.67811	31.2759	9.7886	24.0797	24.0784
80.000	84.8996	0.5986	0.66107	31.2787	9.7861	24.0824	24.0810
84.000	84.8375	0.5976	0.66045	31.2824	9.7812	24.0861	24.0846
88.000	84.7930	0.5971	0.66663	31.2845	9.7729	24.0890	24.0875
92.000	84.7370	0.5991	0.74090	31.2861	9.7291	24.0973	24.0957
96.000	84.5553	0.5927	0.86292	31.2843	9.6818	24.1035	24.1018
100.000	84.3528	0.5856	0.93086	31.2821	9.6547	24.1061	24.1044
104.000	84.3190	0.5919	0.96669	31.2814	9.6467	24.1068	24.1050
108.000	84.2310	0.5918	0.98646	31.2802	9.6384	24.1072	24.1054
112.000	84.1781	0.5922	1.00878	31.2794	9.6279	24.1082	24.1063
116.000	84.0416	0.5907	1.03810	31.2777	9.6153	24.1089	24.1069
120.000	83.8144	0.5890	1.07039	31.2749	9.5911	24.1106	24.1085

Station = 76003801
 Date & Time = Aug 24 2002 23:08:47
 Latitude = 49 24.68 N
 Longitude = 125 54.49 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	79.4755	1.9957	6.14705	28.3220	17.6123	20.2561	20.2559
8.000	79.4363	2.1140	6.23269	30.8099	14.0781	22.9356	22.9353
12.000	75.0469	3.4832	5.97510	30.7196	11.9633	23.2736	23.2734
16.000	76.0146	7.4326	4.53599	30.6380	11.1747	23.3508	23.3505
20.000	82.4103	3.6424	3.10523	30.6403	10.5937	23.4519	23.4516
24.000	84.3323	2.1902	2.35167	30.6645	10.2796	23.5231	23.5226
28.000	85.5676	1.4636	1.64967	30.7340	10.0109	23.6212	23.6207
32.000	86.3456	1.0337	1.27329	30.8308	9.8608	23.7209	23.7204
36.000	86.6322	0.8140	1.07795	30.9235	9.7917	23.8043	23.8037
40.000	86.6058	0.6895	0.91678	31.0296	9.7720	23.8902	23.8896
44.000	86.4857	0.6235	0.78877	31.1341	9.7808	23.9704	23.9696
48.000	86.4829	0.6096	0.66707	31.1662	9.8025	23.9919	23.9911
52.000	86.3422	0.6041	0.72271	31.1826	9.7887	24.0069	24.0060
56.000	85.9781	0.6069	0.54246	31.2151	9.8413	24.0238	24.0228
60.000	85.4815	0.6193	0.34997	31.2438	9.8710	24.0414	24.0404
64.000	85.2782	0.6112	0.25496	31.2630	9.8907	24.0532	24.0521
68.000	85.1163	0.6070	0.23399	31.2755	9.8982	24.0618	24.0606
72.000	85.1075	0.6123	0.22432	31.2907	9.8986	24.0735	24.0722
76.000	85.0031	0.6032	0.21401	31.3005	9.8949	24.0817	24.0804
80.000	85.0248	0.6043	0.19284	31.3047	9.8889	24.0860	24.0846
84.000	84.9232	0.6082	0.18562	31.3055	9.8787	24.0883	24.0868
88.000	84.6084	0.6059	0.20220	31.3045	9.8499	24.0922	24.0907
92.000	84.0544	0.6147	0.21812	31.3025	9.8171	24.0959	24.0943

Station = 76003901
 Date & Time = Aug 24 2002 19:41:46
 Latitude = 49 21.19 N
 Longitude = 126 4.18 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	-1.2079	-0.8926	7.06355	30.6706	14.7666	22.6860	22.6859
8.000	37.2169	6.3989	6.95870	30.8968	13.3458	23.1490	23.1488
12.000	77.1745	13.6621	5.71734	30.9542	12.7661	23.3056	23.3053
16.000	82.8027	3.8825	5.02143	31.0239	12.5731	23.3963	23.3959
20.000	84.0943	2.3586	4.65953	31.1277	12.3646	23.5159	23.5154
24.000	84.0279	1.7618	4.63847	31.2422	12.3659	23.6043	23.6037
28.000	82.0362	2.8234	4.84294	31.3604	12.2654	23.7147	23.7140
32.000	82.4308	3.0414	4.70984	31.4304	12.0071	23.8169	23.8162
36.000	83.2422	2.2967	4.51066	31.4661	11.8372	23.8757	23.8749
40.000	82.7605	2.3909	4.46904	31.4966	11.7355	23.9179	23.9170
44.000	83.2886	2.1868	4.34573	31.5138	11.6257	23.9511	23.9502
48.000	83.4674	1.8557	4.21745	31.5370	11.5059	23.9907	23.9897
52.000	83.2886	1.9047	4.14806	31.5501	11.4360	24.0134	24.0122
56.000	83.5799	1.7989	4.06901	31.5564	11.3802	24.0283	24.0271
60.000	83.6463	1.6203	4.00743	31.5643	11.3332	24.0427	24.0414
64.000	83.8006	1.5231	3.90064	31.5735	11.2479	24.0650	24.0636
68.000	84.2786	1.2134	3.73203	31.5810	11.1499	24.0881	24.0867
72.000	84.5065	0.9360	3.53960	31.5826	11.0460	24.1076	24.1061
76.000	84.0265	0.9442	3.41793	31.5810	10.9558	24.1220	24.1205
80.000	83.6890	0.8810	3.25251	31.5762	10.8448	24.1375	24.1359
84.000	83.4891	0.8202	3.13870	31.5705	10.7788	24.1445	24.1428
88.000	81.8980	0.7857	2.89504	31.5587	10.5766	24.1698	24.1681
92.000	79.7171	0.7107	2.59920	31.5441	10.4240	24.1842	24.1825
96.000	79.6099	0.6774	2.54363	31.5448	10.3905	24.1905	24.1886

Station = 76004001

Date &Time = Aug 25 2002 12:48:40

Latitude = 49 21.17 N

Longitude = 125 47.32 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	-1.1270	-0.8772	5.89394	29.7230	13.9130	22.1305	22.1304
8.000	-1.1270	-0.8772	4.98909	29.9880	13.4164	22.4331	22.4329
12.000	65.2580	0.6413	4.04565	29.7407	13.0418	22.3144	22.3141
16.000	85.6501	0.9785	4.24115	29.8054	13.2579	22.3228	22.3224
20.000	85.9134	0.9222	4.26884	29.8028	13.1350	22.3445	22.3440
24.000	86.2048	0.8846	4.11665	29.8264	13.0297	22.3829	22.3823
28.000	86.2600	0.8640	4.10961	29.8818	13.0362	22.4245	22.4239
32.000	86.3384	0.8601	4.01188	29.9258	12.9984	22.4658	22.4650
36.000	86.3477	0.8645	4.02908	29.9816	13.0691	22.4953	22.4944
40.000	86.3994	0.8606	3.81192	30.0210	12.9788	22.5431	22.5421
44.000	86.3891	0.8653	3.88369	30.0989	13.1108	22.5780	22.5769
48.000	86.1246	0.8931	3.89492	30.1662	13.1436	22.6237	22.6225
52.000	85.9299	0.9003	3.68294	30.2200	13.1248	22.6689	22.6676
56.000	85.7638	0.9136	3.47189	30.2928	13.0939	22.7312	22.7298
60.000	85.7893	0.9162	3.18198	30.4041	13.0527	22.8252	22.8237
64.000	85.2119	0.9432	3.31562	30.4587	13.1070	22.8569	22.8553
68.000	83.8232	0.9875	3.83234	30.4960	13.1724	22.8731	22.8713

Station = 76004101
 Date & Time = Aug 25 2002 12:25:03
 Latitude = 49 20.13 N
 Longitude = 125 48.28 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	-1.1270	-0.8772	6.17164	29.5380	14.3957	21.8905	21.8903
8.000	-1.1270	-0.8772	4.96205	30.0058	13.6780	22.3954	22.3952
12.000	65.2771	0.8003	4.89097	29.8929	13.6813	22.3076	22.3073
16.000	85.1716	1.3004	4.97815	29.9085	13.6488	22.3261	22.3256
20.000	85.5250	1.1907	4.89249	29.9245	13.5883	22.3503	22.3498
24.000	85.8013	1.0189	4.91529	29.9627	13.5854	22.3804	22.3797
28.000	85.6199	0.9573	5.00571	30.0279	13.6312	22.4217	22.4209
32.000	85.5471	1.0048	5.10754	30.0754	13.6408	22.4565	22.4556
36.000	84.7149	1.0336	5.14157	30.1089	13.6275	22.4849	22.4840
40.000	84.1354	1.0048	4.98561	30.1407	13.5506	22.5247	22.5236
44.000	81.8063	0.9768	4.93233	30.1770	13.5302	22.5567	22.5555
48.000	81.7331	1.1159	5.03582	30.2243	13.5235	22.5946	22.5933
52.000	82.8299	1.1182	4.94169	30.2773	13.4626	22.6475	22.6461
56.000	83.1266	1.0522	4.58243	30.3092	13.3552	22.6931	22.6917
60.000	83.3758	1.0551	4.28562	30.3398	13.2793	22.7316	22.7301
64.000	83.3407	0.9855	3.75293	30.4301	13.1442	22.8276	22.8259

Station = 76004201
 Date & Time = Aug 25 2002 11:08:16
 Latitude = 49 16.22 N
 Longitude = 125 49.26 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	83.5843	1.9555	4.87172	29.8259	13.9076	22.2109	22.2108
8.000	84.4364	2.1093	4.22388	29.9683	13.6718	22.3677	22.3675
12.000	84.7868	1.9632	4.26911	29.7819	13.6043	22.2371	22.2368
16.000	84.1149	1.3514	4.84080	29.8533	13.8286	22.2478	22.2474
20.000	82.0911	2.5438	5.41841	29.9140	13.8610	22.2882	22.2877
24.000	81.9180	2.5531	5.52050	29.9414	13.8502	22.3115	22.3109
28.000	81.8748	2.3728	5.53953	29.9695	13.8183	22.3395	22.3388
32.000	82.0696	2.1677	5.58365	29.9938	13.7880	22.3643	22.3635
36.000	81.7403	2.2065	5.55254	30.0454	13.7349	22.4147	22.4137
40.000	82.0553	1.8313	5.50751	30.1045	13.6762	22.4719	22.4709
44.000	81.9486	1.8576	5.49125	30.1572	13.6193	22.5239	22.5227
48.000	81.2375	2.0765	5.50469	30.2870	13.4861	22.6504	22.6491
52.000	74.9293	2.8973	5.39798	30.3817	13.3840	22.7436	22.7422
56.000	72.6892	2.6023	5.14380	30.4291	13.3183	22.7930	22.7915

Station = 76004501
Date & Time = Aug 26 2002 14:27:44
Latitude = 49 7.54 N
Longitude = 125 45.85 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	-1.9986	-0.9060	5.17100	28.5871	14.6344	21.1096	21.1095
8.000	61.4764	1.1902	5.14032	28.8173	14.3834	21.3379	21.3377
12.000	78.4341	2.9505	5.36126	29.0443	14.0132	21.5872	21.5869
16.000	79.1266	2.9590	5.40728	29.0392	13.9804	21.5898	21.5893
20.000	79.1886	2.8555	5.44675	29.0399	13.9801	21.5904	21.5899
24.000	79.3409	2.9512	5.44373	29.0488	13.9481	21.6036	21.6030
28.000	79.9464	2.9151	5.38721	29.0613	13.8669	21.6293	21.6286
32.000	80.3663	2.4429	5.29547	29.1803	13.8011	21.7341	21.7333
36.000	79.1899	2.3927	5.42648	29.3649	13.9289	21.8512	21.8502
40.000	77.6917	2.6376	5.50652	29.4483	13.9771	21.9058	21.9048

Station = 76004601
 Date & Time = Aug 26 2002 13:57:08
 Latitude = 49 8.10 N
 Longitude = 125 42.99 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	77.7936	1.8989	6.62331	28.5622	12.1031	21.5763	21.5763
8.000	76.2924	2.0832	6.35329	28.5293	11.7722	21.6096	21.6094
12.000	77.9705	18.2174	4.97606	28.5932	12.5783	21.5140	21.5137
16.000	84.4666	4.4211	4.48411	28.8475	13.2484	21.5848	21.5844
20.000	84.1823	1.6366	4.47796	28.9229	13.3934	21.6151	21.6146
24.000	85.2555	1.1646	4.40298	28.9593	13.4697	21.6284	21.6278
28.000	84.7235	0.9604	4.50882	29.0225	13.6085	21.6502	21.6495
32.000	84.6303	0.9778	4.58422	29.0738	13.7187	21.6682	21.6673
36.000	84.3158	1.0340	4.70543	29.1169	13.7757	21.6902	21.6893
40.000	83.8089	1.0529	4.88630	29.1345	13.7679	21.7053	21.7042
44.000	82.9573	1.1805	5.09465	29.1594	13.7752	21.7231	21.7219
48.000	81.5744	1.4477	5.19800	29.2105	13.8144	21.7548	21.7535
52.000	79.8460	1.5219	5.23375	29.2269	13.8207	21.7662	21.7648

Station = 76004901
 Date & Time = Aug 26 2002 12:59:38
 Latitude = 49 9.69 N
 Longitude = 125 39.95 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	-1.1610	-0.8784	6.20051	28.0372	11.9890	21.1900	21.1899
8.000	10.4056	-0.4808	6.44003	28.2541	11.5469	21.4355	21.4353
12.000	76.1984	12.2273	5.30212	28.6118	12.4906	21.5445	21.5442
16.000	83.5329	10.2541	4.36931	28.7929	12.9185	21.6051	21.6047
20.000	85.4887	1.2875	4.18377	28.8993	13.2242	21.6293	21.6288
24.000	85.8508	0.9313	4.34558	28.9744	13.4638	21.6412	21.6406
28.000	85.7679	0.8328	4.39403	29.0045	13.5329	21.6511	21.6504
32.000	85.6444	0.9115	4.44211	29.0230	13.5691	21.6583	21.6575
36.000	85.4167	0.8998	4.61135	29.0743	13.6749	21.6772	21.6762
40.000	84.4250	1.0000	4.87806	29.1476	13.7890	21.7113	21.7102
44.000	83.6175	1.0511	4.94322	29.1720	13.8122	21.7256	21.7244
48.000	81.1298	1.1466	5.06568	29.2300	13.8632	21.7601	21.7589
52.000	80.2488	1.2176	5.10303	29.2367	13.8681	21.7644	21.7630

Station = 76005001
 Date & Time = Aug 26 2002 11:26:16
 Latitude = 49 11.74 N
 Longitude = 125 39.04 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	69.1429	1.7217	6.83528	28.3860	11.5850	21.5312	21.5311
8.000	79.5184	2.5207	6.40616	28.5816	11.2948	21.7330	21.7328
12.000	70.9939	20.5899	5.25420	28.5366	12.2115	21.5370	21.5368
16.000	81.1980	16.4763	4.00455	28.6899	12.6039	21.5841	21.5837
20.000	85.5501	2.9887	3.89571	28.7908	12.8600	21.6145	21.6140
24.000	85.6856	1.2735	3.97450	28.8605	13.0573	21.6311	21.6306
28.000	85.1271	0.9016	3.90948	28.9260	13.2286	21.6492	21.6485
32.000	84.9722	0.8012	3.83271	28.9671	13.3432	21.6589	21.6581
36.000	84.9841	0.7964	3.96362	29.0265	13.4887	21.6766	21.6757
40.000	84.8283	0.8131	4.18878	29.0831	13.6415	21.6905	21.6895
44.000	84.5154	0.8407	4.37977	29.1123	13.6927	21.7030	21.7019
48.000	84.3204	0.8650	4.48193	29.1318	13.7270	21.7113	21.7100
52.000	84.0198	0.9046	4.51909	29.1415	13.7324	21.7178	21.7164
56.000	83.7382	0.9273	4.52947	29.1482	13.7281	21.7237	21.7223
60.000	83.6446	0.9424	4.54010	29.1500	13.7303	21.7247	21.7231
64.000	83.4958	0.9399	4.52569	29.1491	13.7190	21.7262	21.7246
68.000	83.3891	0.9434	4.39998	29.1449	13.6634	21.7339	21.7321
72.000	82.7590	0.9775	4.40844	29.1554	13.6691	21.7409	21.7390
76.000	82.4102	0.9978	4.40039	29.1582	13.6646	21.7440	21.7420
80.000	81.9424	1.0486	4.47532	29.1706	13.6758	21.7513	21.7492
84.000	81.7298	1.0687	4.47190	29.1722	13.6675	21.7542	21.7519
88.000	81.5891	1.0770	4.35467	29.1618	13.6024	21.7589	21.7566
92.000	81.5380	1.0658	3.98001	29.1300	13.4270	21.7685	21.7661
96.000	82.0959	0.9850	3.13461	29.0417	12.9753	21.7867	21.7844
100.000	83.2352	0.8548	1.84505	28.9162	12.2982	21.8153	21.8130
104.000	82.4430	0.8151	1.12074	28.8954	12.1105	21.8331	21.8309
108.000	80.4026	0.8287	0.80769	28.8983	12.0463	21.8469	21.8445
112.000	80.2877	0.8225	0.62842	28.8954	11.9838	21.8558	21.8534
116.000	79.1336	0.8267	0.50978	28.8972	11.9660	21.8604	21.8579

Station = 76005101
Date & Time = Aug 26 2002 07:32:09
Latitude = 49 13.80 N
Longitude = 125 35.84 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	71.5254	2.1586	6.68752	28.9875	11.4745	22.0170	22.0169
8.000	73.2673	2.2603	5.43639	28.0594	10.7318	21.4216	21.4214
12.000	75.0808	8.4998	2.69816	28.1200	10.8451	21.4500	21.4498
16.000	85.4437	1.5640	2.67984	28.2401	11.2062	21.4830	21.4827
20.000	85.2264	1.3687	2.66752	28.3289	11.4446	21.5112	21.5108
24.000	84.6245	1.4504	2.55824	28.3885	11.6078	21.5292	21.5287
28.000	83.4221	1.6117	2.39411	28.4305	11.7124	21.5435	21.5430
32.000	82.9610	1.8957	2.70162	28.4874	11.9032	21.5541	21.5534
36.000	81.6718	1.9623	2.81464	28.5233	11.9806	21.5681	21.5673

Station = 76005201
Date & Time = Aug 26 2002 08:29:44
Latitude = 49 13.02 N
Longitude = 125 36.16 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	8.9887	0.4580	8.23140	28.4958	12.1870	21.5099	21.5098
8.000	74.1187	10.6089	5.57396	28.1278	10.6852	21.4824	21.4822
12.000	80.5832	9.5617	2.94021	28.1828	11.0189	21.4699	21.4697
16.000	85.3128	2.2431	2.96132	28.2779	11.3431	21.4890	21.4887
20.000	85.3824	1.8531	3.22071	28.3765	11.6461	21.5132	21.5128
24.000	84.8058	2.4921	3.29513	28.4496	11.8523	21.5337	21.5332
28.000	84.4896	2.4568	3.33811	28.5262	12.0648	21.5554	21.5548
32.000	84.0206	2.3508	3.23618	28.5600	12.1415	21.5677	21.5670
36.000	83.0122	2.1616	3.01787	28.5801	12.1756	21.5772	21.5764
40.000	82.5327	2.1927	2.91560	28.5891	12.1932	21.5810	21.5801

Station = 76005301
 Date & Time = Aug 26 2002 08:47:39
 Latitude = 49 12.55 N
 Longitude = 125 36.65 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	71.6447	2.4992	6.89398	28.7437	11.7925	21.7722	21.7721
8.000	77.4681	2.1492	6.77230	28.5475	11.0993	21.7397	21.7396
12.000	79.9947	7.5898	4.06920	28.4534	11.8604	21.5353	21.5350
16.000	82.8324	4.8394	3.86746	28.7431	12.7423	21.5996	21.5993
20.000	85.8861	1.2857	3.81550	28.8213	12.9504	21.6211	21.6206
24.000	86.0200	1.0256	3.77777	28.8394	12.9844	21.6287	21.6281
28.000	86.2453	0.8054	3.74203	28.8596	13.0226	21.6371	21.6364
32.000	86.2009	0.7690	3.70025	28.8737	13.0451	21.6437	21.6429
36.000	86.1743	0.7645	3.65090	28.8832	13.0544	21.6493	21.6484
40.000	86.1211	0.7379	3.58466	28.8971	13.0713	21.6568	21.6558
44.000	86.0040	0.7333	3.51645	28.9076	13.0775	21.6637	21.6626
48.000	85.9921	0.7161	3.43551	28.9152	13.0695	21.6711	21.6699
52.000	85.9368	0.7116	3.36850	28.9163	13.0575	21.6743	21.6730
56.000	85.8904	0.7187	3.32031	28.9246	13.0590	21.6804	21.6790
60.000	85.6986	0.7243	3.23520	28.9409	13.0597	21.6928	21.6913
64.000	85.5687	0.7303	3.10902	28.9538	13.0418	21.7062	21.7046
68.000	85.5904	0.7488	2.74626	28.9875	12.9642	21.7469	21.7453
72.000	84.5748	0.8123	1.34396	29.0901	12.4731	21.9179	21.9162
76.000	85.0946	0.7975	0.13875	29.1524	12.3081	21.9964	21.9947
80.000	85.3978	0.8257	0.03825	29.1526	12.3129	21.9956	21.9938
84.000	85.2057	0.8110	0.01350	29.1517	12.3129	21.9949	21.9930

Station = 76005401
 Date & Time = Aug 26 2002 12:28:54
 Latitude = 49 10.93 N
 Longitude = 125 38.83 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	73.3422	1.9251	6.59256	28.1990	12.7779	21.1723	21.1722
8.000	83.0455	2.0792	6.53997	28.5708	11.2477	21.7326	21.7325
12.000	77.7062	24.1885	4.91302	28.5400	12.1418	21.5522	21.5520
16.000	84.3788	5.5098	4.03053	28.7251	12.7168	21.5904	21.5900
20.000	85.7024	1.1734	4.03739	28.8098	12.9098	21.6198	21.6193
24.000	85.6572	0.9119	3.94491	28.8823	13.1094	21.6381	21.6375
28.000	85.5530	0.7978	3.87157	28.9396	13.2827	21.6493	21.6486
32.000	85.2125	0.7967	4.20020	29.0350	13.5870	21.6640	21.6632
36.000	85.1310	0.8134	4.39115	29.0809	13.6870	21.6799	21.6790
40.000	85.0383	0.8588	4.52537	29.1121	13.7409	21.6934	21.6923
44.000	84.7122	0.8797	4.59905	29.1265	13.7581	21.7011	21.6999
48.000	84.6660	0.9114	4.67496	29.1374	13.7732	21.7065	21.7052
52.000	84.4104	0.9489	4.68937	29.1461	13.7736	21.7132	21.7118
56.000	83.8860	0.9549	4.68903	29.1552	13.7738	21.7202	21.7187
60.000	83.1482	0.9964	4.71095	29.1655	13.7749	21.7279	21.7263
64.000	83.0317	1.0239	4.72427	29.1716	13.7738	21.7328	21.7311
68.000	82.6469	1.0312	4.70899	29.1766	13.7616	21.7390	21.7372
72.000	82.1604	1.0571	4.67940	29.1816	13.7510	21.7450	21.7431
76.000	81.8819	1.0611	4.68215	29.1846	13.7489	21.7478	21.7457
80.000	81.3349	1.0985	4.70151	29.1919	13.7497	21.7532	21.7511
84.000	80.9563	1.1165	4.71129	29.1948	13.7356	21.7582	21.7560
88.000	80.6529	1.1195	4.44056	29.1746	13.6216	21.7650	21.7627
92.000	80.6454	1.0942	4.04951	29.1429	13.4549	21.7730	21.7706
96.000	79.8558	1.0683	3.30546	29.0827	13.0945	21.7958	21.7935
100.000	79.0222	1.0401	2.64507	29.0212	12.7574	21.8118	21.8094

Station = 76005501
 Date & Time = Aug 26 2002 13:28:30
 Latitude = 49 9.10 N
 Longitude = 125 41.46 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	-1.1270	-0.8772	6.29600	28.3069	11.9514	21.4057	21.4056
8.000	-1.1270	-0.8772	5.61855	28.3927	11.8119	21.4967	21.4965
12.000	46.6186	2.8542	4.50791	28.5691	12.3827	21.5312	21.5309
16.000	84.3190	6.2321	4.28683	28.7897	12.9645	21.5940	21.5936
20.000	85.0941	2.4541	4.21941	28.8622	13.1191	21.6207	21.6203
24.000	85.7459	1.1456	4.31927	28.9642	13.4204	21.6418	21.6412
28.000	85.5118	0.9381	4.50728	29.0246	13.5679	21.6597	21.6590
32.000	85.2028	0.9640	4.77109	29.0944	13.7299	21.6819	21.6811
36.000	84.8985	1.0144	4.85255	29.1093	13.7449	21.6904	21.6895
40.000	84.4244	0.9911	4.83931	29.1351	13.7909	21.7012	21.7002
44.000	83.7651	1.0174	4.87354	29.1659	13.8270	21.7179	21.7168
48.000	83.0156	1.0649	4.92425	29.2003	13.8611	21.7377	21.7364
52.000	80.8870	1.1128	4.90651	29.2369	13.8926	21.7596	21.7582
56.000	78.9469	1.1830	4.96831	29.2594	13.8946	21.7766	21.7751
60.000	76.5830	1.2547	5.04466	29.2935	13.9002	21.8018	21.8002

Station = 76005601
Date & Time = Aug 26 2002 15:17:33
Latitude = 49 7.14 N
Longitude = 125 47.83 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	76.0969	1.8891	5.08290	29.1970	14.3701	21.6330	21.6329
8.000	76.0767	2.1334	5.08387	29.1731	14.3533	21.6180	21.6178
12.000	74.7171	3.2949	5.61011	29.2444	14.4369	21.6560	21.6556
16.000	74.4402	3.8178	5.74895	29.2283	14.4460	21.6417	21.6413
20.000	74.5490	3.7440	5.76579	29.2334	14.4403	21.6468	21.6462
24.000	75.4148	3.5222	5.73479	29.1575	14.4044	21.5957	21.5950
28.000	75.5021	3.4839	5.71472	29.1592	14.3746	21.6030	21.6022
32.000	75.3957	3.5408	5.72388	29.1665	14.3754	21.6085	21.6075
36.000	75.3864	3.5713	5.72948	29.1682	14.3735	21.6102	21.6092

Station = 76005701
Date & Time = Aug 26 2002 15:56:09
Latitude = 49 7.80 N
Longitude = 125 50.74 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	-1.1270	-0.8772	5.71587	30.5619	13.7947	22.8014	22.8013
8.000	-1.1270	-0.8772	5.84089	30.5617	13.7569	22.8088	22.8086
12.000	50.7549	6.9794	6.47278	30.6046	13.4329	22.9062	22.9058
16.000	76.9880	10.6846	6.52306	30.6960	13.2172	23.0190	23.0186

Station = 76005801
Date &Time = Aug 26 2002 16:16:04
Latitude = 49 8.49 N
Longitude = 125 52.64 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	-1.4823	-0.9530	5.76758	31.2395	12.9246	23.4960	23.4959
8.000	44.2012	8.7860	6.05793	31.3412	12.5612	23.6442	23.6440
12.000	76.4819	18.5296	6.43265	31.2482	12.4090	23.6009	23.6006

Station = 76005901
Date & Time = Aug 26 2002 16:47:25
Latitude = 49 9.03 N
Longitude = 125 54.99 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	58.7320	3.4886	6.05143	31.7873	12.2051	24.0569	24.0568
8.000	58.9360	12.9118	6.70789	31.6623	12.1995	23.9610	23.9608
12.000	58.6634	25.0692	7.08601	31.6396	12.2158	23.9404	23.9401
16.000	58.4062	25.5342	7.28498	31.6318	12.2319	23.9313	23.9310
20.000	58.2353	25.9820	7.34403	31.6289	12.2424	23.9272	23.9267
24.000	58.4424	26.3570	7.39707	31.6423	12.2432	23.9374	23.9368

Station = 76005902
Date & Time = Aug 26 2002 17:00:43
Latitude = 49 9.08 N
Longitude = 125 54.89 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	58.7559	2.2565	6.04186	31.7599	12.2610	24.0252	24.0251
8.000	59.8348	4.1612	6.74967	31.5839	12.2735	23.8864	23.8862
12.000	59.9866	23.8934	6.98773	31.5684	12.2735	23.8745	23.8742
16.000	60.2841	22.9726	7.08678	31.5413	12.3065	23.8473	23.8469
20.000	61.2992	21.3523	7.13215	31.4883	12.3898	23.7905	23.7900
24.000	62.1048	20.0829	7.14092	31.4255	12.4933	23.7224	23.7218

Station = 76006001
Date & Time = Aug 23 2002 12:22:04
Latitude = 49 20.16 N
Longitude = 126 15.25 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	61.3667	3.1511	6.65303	31.7047	12.0157	24.0280	24.0280
8.000	65.3256	9.9276	6.68019	31.7251	11.4874	24.1401	24.1399
12.000	70.7108	13.6171	5.88489	31.7679	11.0343	24.2537	24.2535
16.000	79.3565	6.3619	4.39167	32.0496	9.8162	24.6791	24.6788
20.000	84.4023	2.3764	3.47369	32.2722	9.1705	24.9562	24.9559

Station = 76006101
 Date & Time = Aug 23 2002 12:47:57
 Latitude = 49 21.71 N
 Longitude = 126 14.71 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	57.9881	2.9337	7.31507	31.6378	12.6792	23.8514	23.8513
8.000	63.3926	13.7351	7.01497	31.6584	11.9833	23.9981	23.9979
12.000	69.1588	14.4140	5.94601	31.7449	11.3417	24.1816	24.1813
16.000	70.5333	11.6833	5.61333	31.7513	11.2320	24.2060	24.2057
20.000	70.5738	11.2522	5.59138	31.7546	11.2153	24.2115	24.2111
24.000	71.2130	10.7436	5.51136	31.7803	11.1184	24.2486	24.2481
28.000	71.7851	10.4891	5.39622	31.8018	11.0204	24.2826	24.2820
32.000	72.8899	9.4429	5.21999	31.8385	10.8647	24.3382	24.3376

Station = 76006201
 Date & Time = Aug 23 2002 13:15:53
 Latitude = 49 22.96 N
 Longitude = 126 14.71 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	43.4116	1.6997	7.61493	31.5903	13.5462	23.6452	23.6451
8.000	59.0239	2.9403	7.69845	31.7209	12.7680	23.8988	23.8986
12.000	64.7865	18.9679	7.04899	31.6445	12.0106	23.9823	23.9820
16.000	67.4958	16.9475	6.37706	31.6695	11.5943	24.0777	24.0774
20.000	69.2848	14.1682	6.04521	31.7217	11.3002	24.1709	24.1705
24.000	70.4055	12.5756	5.82815	31.7436	11.1780	24.2096	24.2090
28.000	71.4496	11.7151	5.69629	31.7545	11.1126	24.2296	24.2290
32.000	71.7021	11.5521	5.66917	31.7567	11.0967	24.2341	24.2334
36.000	72.1482	11.4930	5.57918	31.7790	11.0111	24.2664	24.2657
40.000	73.4121	9.3897	5.20019	31.8369	10.7660	24.3540	24.3532
44.000	73.9278	7.3985	4.81675	31.8736	10.5622	24.4175	24.4166
48.000	72.7562	6.1657	4.55979	31.8947	10.4517	24.4527	24.4518
52.000	73.2671	4.9207	4.21751	31.9849	10.1513	24.5734	24.5724
56.000	76.6493	4.4212	3.91649	32.0865	9.8209	24.7071	24.7061

Station = 76006301
 Date & Time = Aug 23 2002 13:38:11
 Latitude = 49 24.11 N
 Longitude = 126 14.50 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	44.2060	1.2845	6.94450	31.7523	13.4787	23.7839	23.7837
8.000	65.0353	2.9614	7.01022	31.9660	12.1376	24.2081	24.2079
12.000	70.3719	11.1130	6.29072	31.6831	11.7577	24.0586	24.0584
16.000	72.0127	12.7199	5.94586	31.6847	11.4896	24.1084	24.1080
20.000	74.2881	10.2339	5.54239	31.7305	11.2593	24.1850	24.1846
24.000	76.0666	9.0156	5.34884	31.7443	11.1870	24.2085	24.2080
28.000	80.6084	5.6216	4.90149	31.8064	10.9168	24.3042	24.3036
32.000	81.1998	4.0699	4.62445	31.8351	10.7562	24.3543	24.3537
36.000	82.1503	3.1861	4.43897	31.8509	10.6505	24.3847	24.3840
40.000	80.7090	2.8272	4.24010	31.8741	10.5177	24.4255	24.4247
44.000	79.6575	2.9451	4.11985	31.8881	10.4413	24.4493	24.4485
48.000	79.5213	2.3399	3.84261	31.9229	10.2399	24.5103	24.5094
52.000	79.8696	1.5352	3.56362	31.9425	10.1054	24.5480	24.5470
56.000	78.8583	1.3931	3.47960	31.9495	10.0768	24.5582	24.5572
60.000	77.4704	1.3601	3.40837	31.9610	10.0222	24.5762	24.5751

Station = 76006401
 Date & Time = Aug 23 2002 14:11:36
 Latitude = 49 25.49 N
 Longitude = 126 14.65 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	66.6721	2.0599	6.52913	31.7196	13.5390	23.7465	23.7464
8.000	67.1805	2.3048	6.44300	32.0913	12.2045	24.2928	24.2926
12.000	74.4155	9.4498	5.84683	31.7784	11.5766	24.1655	24.1652
16.000	78.1816	7.5008	5.27341	31.7360	11.3027	24.1816	24.1812
20.000	80.9780	5.1834	4.92002	31.7864	11.0401	24.2671	24.2667
24.000	83.7472	3.0354	4.39805	31.8128	10.7760	24.3335	24.3331
28.000	85.5404	1.5319	3.98571	31.8264	10.5803	24.3777	24.3771
32.000	85.9562	1.0698	3.74158	31.8513	10.4205	24.4242	24.4236
36.000	84.8120	0.9593	3.43692	31.8981	10.1592	24.5045	24.5038
40.000	84.0795	0.9747	3.24314	31.9108	10.0606	24.5307	24.5300
44.000	82.8977	0.8638	3.14538	31.9252	10.0074	24.5507	24.5499
48.000	81.7532	0.9256	3.10242	31.9300	9.9743	24.5599	24.5590
52.000	80.9609	0.9006	3.06003	31.9392	9.9543	24.5704	24.5694
56.000	77.5833	0.9771	3.01704	31.9633	9.8796	24.6014	24.6004
60.000	75.6824	0.9113	2.80765	31.9694	9.7793	24.6225	24.6215
64.000	72.0020	0.8730	2.58139	31.9795	9.6634	24.6491	24.6480
68.000	69.1193	0.8497	2.47144	31.9837	9.6045	24.6619	24.6607

Station = 76006501
 Date & Time = Aug 23 2002 14:40:03
 Latitude = 49 26.26 N
 Longitude = 126 15.50 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	-0.7258	-0.8487	6.46770	31.2377	14.8414	23.1070	23.1069
8.000	33.9464	1.6181	6.58941	31.6519	12.3888	23.9175	23.9173
12.000	73.8362	13.1605	5.88972	31.6986	11.6719	24.0863	24.0860
16.000	79.4230	7.5352	5.22939	31.7514	11.2331	24.2059	24.2056
20.000	83.9502	3.2366	4.56335	31.7804	10.9426	24.2795	24.2791
24.000	85.2318	2.1693	4.21711	31.7967	10.7487	24.3257	24.3253
28.000	86.2191	1.1989	3.93930	31.8074	10.6310	24.3542	24.3537
32.000	86.2045	1.0623	3.74294	31.8373	10.4459	24.4090	24.4084
36.000	86.1277	0.8479	3.48812	31.8632	10.2350	24.4646	24.4639
40.000	85.6323	0.7493	3.25972	31.8832	10.0901	24.5043	24.5036
44.000	85.0139	0.7461	3.11430	31.8934	10.0006	24.5270	24.5262
48.000	84.9588	0.7032	2.97784	31.9090	9.9066	24.5546	24.5538
52.000	83.5222	0.7337	2.87291	31.9297	9.8688	24.5769	24.5760
56.000	80.8779	0.7707	2.79473	31.9460	9.8240	24.5970	24.5960
60.000	80.6956	0.7489	2.67063	31.9569	9.7123	24.6236	24.6225
64.000	79.1254	0.7574	2.50972	31.9716	9.5914	24.6546	24.6534
68.000	78.9947	0.7361	2.31464	31.9927	9.3362	24.7116	24.7105
72.000	82.0564	0.6686	2.15378	32.0046	9.1345	24.7525	24.7514
76.000	81.0453	0.6694	2.05657	32.0209	9.0337	24.7809	24.7797
80.000	79.3338	0.6801	1.97494	32.0348	8.9282	24.8081	24.8068

Station = 76006601
 Date & Time = Aug 23 2002 15:03:39
 Latitude = 49 27.19 N
 Longitude = 126 16.21 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	29.9868	0.1893	5.56183	31.1483	16.0449	22.7771	22.7770
8.000	75.5656	2.1214	5.92024	31.7766	12.6101	23.9721	23.9719
12.000	78.6628	7.1450	5.50080	31.6546	11.8171	24.0257	24.0254
16.000	82.4568	6.6576	5.00931	31.6696	11.4039	24.1120	24.1116
20.000	84.4800	3.4994	4.60546	31.7285	11.1254	24.2071	24.2067
24.000	86.6218	1.8962	4.15182	31.7437	10.8372	24.2692	24.2687
28.000	87.3783	0.9418	3.77426	31.7797	10.5822	24.3410	24.3405
32.000	87.0830	0.8074	3.72617	31.8273	10.5034	24.3915	24.3908
36.000	86.9698	0.7821	3.56446	31.8296	10.3178	24.4245	24.4238
40.000	86.5968	0.7057	3.36764	31.8613	10.1708	24.4738	24.4731
44.000	85.9327	0.7118	3.16087	31.8718	9.9720	24.5149	24.5141
48.000	85.3922	0.6888	2.98758	31.9066	9.8735	24.5582	24.5573
52.000	84.8898	0.6899	2.84463	31.9207	9.7699	24.5860	24.5850
56.000	84.3648	0.6757	2.75234	31.9405	9.7786	24.6000	24.5990
60.000	84.2170	0.6911	2.66695	31.9400	9.6639	24.6182	24.6172
64.000	85.1653	0.6626	2.64971	31.9419	9.4241	24.6580	24.6570
68.000	85.9981	0.6312	2.64751	31.9503	9.2902	24.6857	24.6846
72.000	86.0691	0.6204	2.50771	31.9682	9.1856	24.7161	24.7149
76.000	86.1459	0.6126	2.42493	31.9937	9.0582	24.7559	24.7547
80.000	85.4050	0.6117	2.20274	32.0150	9.0182	24.7787	24.7774
84.000	85.0621	0.6148	2.06833	32.0256	8.9705	24.7943	24.7930
88.000	85.2551	0.6073	2.08776	32.0307	8.8833	24.8117	24.8104
92.000	85.8691	0.5941	2.26831	32.0333	8.7341	24.8365	24.8350
96.000	85.9762	0.5857	2.34775	32.0398	8.6496	24.8543	24.8528
100.000	85.9277	0.5841	2.37329	32.0481	8.5822	24.8710	24.8695
104.000	85.0852	0.5888	2.22623	32.0735	8.5086	24.9018	24.9003
108.000	84.8223	0.5903	2.11193	32.0868	8.4597	24.9195	24.9179
112.000	82.9347	0.6168	1.85672	32.1046	8.4390	24.9365	24.9349
116.000	82.3977	0.6236	1.71450	32.1108	8.4317	24.9425	24.9408
120.000	81.4882	0.6281	1.59625	32.1187	8.4301	24.9489	24.9472

Station = 76006701
 Date & Time = Aug 23 2002 15:35:23
 Latitude = 49 26.20 N
 Longitude = 126 17.75 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	79.9210	1.9764	5.63102	31.4221	15.6956	23.0647	23.0645
8.000	75.4696	1.9212	5.90862	32.1958	12.5606	24.3063	24.3061
12.000	80.0458	5.9077	5.12467	31.6001	11.6346	24.0165	24.0162
16.000	84.9179	3.6495	4.35254	31.6297	11.1586	24.1244	24.1241
20.000	86.6015	1.8419	3.84077	31.6656	10.7270	24.2274	24.2270
24.000	87.2536	1.1830	3.68290	31.7243	10.6206	24.2913	24.2908
28.000	87.3783	0.8742	3.54324	31.7603	10.4408	24.3498	24.3493
32.000	87.3832	0.7264	3.36499	31.7725	10.2318	24.3944	24.3938
36.000	87.2027	0.6770	3.23073	31.7925	10.0896	24.4337	24.4330
40.000	86.9305	0.6575	3.11614	31.8188	9.9695	24.4740	24.4732
44.000	86.2929	0.6467	3.03494	31.8558	9.9187	24.5111	24.5103
48.000	85.7278	0.6535	2.90266	31.8835	9.7871	24.5542	24.5534
52.000	85.2169	0.6459	2.74995	31.9064	9.6836	24.5888	24.5879
56.000	85.3806	0.6414	2.63734	31.8894	9.4715	24.6095	24.6086
60.000	85.9763	0.6022	2.48541	31.8953	9.3315	24.6363	24.6353
64.000	85.6791	0.6205	2.49860	31.9462	9.3197	24.6779	24.6768
68.000	85.6440	0.6145	2.40720	31.9621	9.2287	24.7046	24.7035
72.000	85.5974	0.6095	2.27864	31.9775	9.0816	24.7396	24.7384
76.000	85.2063	0.5950	2.06423	32.0018	8.9278	24.7823	24.7811
80.000	84.6816	0.5941	1.79128	32.0193	8.7882	24.8173	24.8160
84.000	84.1741	0.5891	1.52648	32.0305	8.6652	24.8447	24.8434
88.000	83.2817	0.5942	1.30505	32.0427	8.6201	24.8610	24.8596
92.000	80.5875	0.6226	1.01994	32.0618	8.5821	24.8817	24.8803
96.000	79.4235	0.6344	0.81485	32.0730	8.5474	24.8957	24.8942
100.000	77.8797	0.6595	0.67359	32.0774	8.5398	24.9003	24.8988

Station = 76006801
 Date & Time = Aug 23 2002 16:04:07
 Latitude = 49 25.41 N
 Longitude = 126 18.36 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	4.9435	-0.7142	5.85664	31.6828	14.6170	23.4971	23.4970
8.000	75.3759	2.0969	5.90054	32.1245	12.3742	24.2865	24.2863
12.000	80.6654	4.3406	4.90165	31.5828	11.4858	24.0299	24.0296
16.000	85.4918	2.9944	3.91451	31.5715	10.8043	24.1409	24.1405
20.000	86.8896	1.4379	3.53404	31.6236	10.5090	24.2318	24.2314
24.000	87.0306	0.9594	3.32175	31.6500	10.2480	24.2963	24.2958
28.000	86.9830	0.7671	3.10642	31.6662	10.0103	24.3482	24.3477
32.000	87.1204	0.6873	3.04665	31.7040	9.9411	24.3890	24.3884
36.000	86.8660	0.6421	2.94826	31.7383	9.8008	24.4386	24.4380
40.000	86.7499	0.6297	2.90289	31.7706	9.7609	24.4703	24.4696
44.000	86.3920	0.6281	2.77161	31.8000	9.6575	24.5099	24.5092
48.000	85.9627	0.6249	2.65564	31.8329	9.5490	24.5530	24.5522
52.000	85.1892	0.6245	2.49183	31.8508	9.4305	24.5858	24.5850

Station = 76006901
 Date & Time = Aug 23 2002 16:45:24
 Latitude = 49 28.19 N
 Longitude = 126 16.54 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	79.6015	1.9524	5.14925	31.0817	16.5311	22.6168	22.6166
8.000	72.0647	2.1077	5.87630	31.7425	12.8116	23.9071	23.9069
12.000	74.0800	8.1901	5.55013	31.5514	11.8558	23.9385	23.9383
16.000	81.9751	5.5270	4.66806	31.6029	11.3140	24.0762	24.0758
20.000	85.8964	2.4415	4.24575	31.6583	11.1175	24.1539	24.1535
24.000	87.2497	1.3977	3.87092	31.6978	10.6856	24.2595	24.2591
28.000	87.6166	0.9581	3.64432	31.7566	10.5498	24.3285	24.3279
32.000	87.6067	0.7742	3.52931	31.7829	10.4043	24.3737	24.3731
36.000	87.6087	0.7005	3.36283	31.7911	10.1957	24.4150	24.4143
40.000	87.3371	0.6705	3.24929	31.8113	10.0731	24.4510	24.4503
44.000	87.2528	0.6557	3.10951	31.7977	9.6387	24.5111	24.5104
48.000	87.0386	0.6184	3.03179	31.8306	9.5709	24.5477	24.5469
52.000	86.6657	0.6146	2.94970	31.8675	9.5670	24.5771	24.5762
56.000	86.3022	0.6211	2.88087	31.8938	9.5789	24.5958	24.5948
60.000	86.5291	0.6068	2.86367	31.8933	9.4255	24.6198	24.6188
64.000	86.7120	0.5973	2.85297	31.9025	9.2743	24.6509	24.6498
68.000	86.8984	0.5843	2.86745	31.9123	9.0743	24.6897	24.6886
72.000	86.6308	0.5797	2.78873	31.9412	8.9610	24.7298	24.7286
76.000	86.5965	0.5728	2.70780	31.9678	8.9098	24.7585	24.7573
80.000	86.4508	0.5710	2.60736	31.9867	8.7951	24.7907	24.7895
84.000	86.4239	0.5502	2.59329	32.0016	8.6809	24.8197	24.8184
88.000	86.3941	0.5472	2.53975	32.0153	8.5974	24.8430	24.8417
92.000	86.4243	0.5437	2.50267	32.0241	8.5301	24.8599	24.8586
96.000	86.1505	0.5420	2.34039	32.0509	8.4615	24.8911	24.8897
100.000	85.5772	0.5541	2.14071	32.0731	8.4366	24.9122	24.9107
104.000	84.9048	0.5578	1.98425	32.0870	8.4245	24.9249	24.9234
108.000	84.2697	0.5681	1.83050	32.0964	8.4194	24.9331	24.9315
112.000	83.6310	0.5812	1.74237	32.1030	8.4195	24.9382	24.9365
116.000	82.8058	0.5915	1.64408	32.1109	8.4179	24.9446	24.9429
120.000	82.1453	0.6034	1.55350	32.1178	8.4162	24.9503	24.9485
124.000	81.8246	0.6040	1.47247	32.1218	8.4142	24.9537	24.9519
128.000	80.7357	0.6184	1.35167	32.1265	8.4155	24.9572	24.9553

Station = 76007001
 Date & Time = Aug 23 2002 17:24:50
 Latitude = 49 29.22 N
 Longitude = 126 17.05 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	39.0310	0.6414	5.34455	30.7319	17.2177	22.1910	22.1908
8.000	75.0068	2.0845	6.24654	31.4381	14.0727	23.4213	23.4210
12.000	74.0725	6.9315	6.10914	31.4615	11.9084	23.8591	23.8588
16.000	79.2107	7.1414	4.99625	31.5239	11.3129	24.0150	24.0146
20.000	85.5197	2.7289	4.24964	31.6138	11.0048	24.1390	24.1386
24.000	86.9727	1.5257	3.86857	31.6241	10.5469	24.2258	24.2253
28.000	87.4256	1.0654	3.61993	31.6220	10.2199	24.2791	24.2786
32.000	87.5482	0.8893	3.50094	31.6401	10.0314	24.3244	24.3238
36.000	87.4488	0.7619	3.35104	31.6362	9.7678	24.3643	24.3637
40.000	87.2463	0.6902	3.25711	31.6830	9.7338	24.4063	24.4056
44.000	87.0639	0.6523	3.17814	31.7126	9.6281	24.4464	24.4456
48.000	87.1099	0.6282	3.12737	31.7385	9.4690	24.4920	24.4912
52.000	86.8679	0.6062	3.05084	31.7593	9.2416	24.5441	24.5432
56.000	86.8573	0.5926	3.01078	31.8204	9.2835	24.5853	24.5843
60.000	86.8132	0.5879	2.97067	31.8420	9.1639	24.6208	24.6198
64.000	86.8708	0.5650	2.97022	31.8702	9.0702	24.6574	24.6564
68.000	86.9588	0.5561	2.93752	31.8998	8.9079	24.7055	24.7045
72.000	86.9144	0.5484	2.90877	31.9288	8.7500	24.7523	24.7512
76.000	86.8406	0.5401	2.85791	31.9453	8.6548	24.7795	24.7784
80.000	86.6079	0.5307	2.83088	31.9509	8.5855	24.7943	24.7931
84.000	86.2259	0.5220	2.74298	31.9695	8.5291	24.8173	24.8160
88.000	85.8923	0.5225	2.56923	31.9917	8.4864	24.8411	24.8398
92.000	84.8080	0.5296	2.29693	32.0119	8.4624	24.8605	24.8591
96.000	83.0887	0.5531	1.92007	32.0545	8.4390	24.8973	24.8959
100.000	80.7198	0.5932	1.53868	32.0776	8.4304	24.9167	24.9152
104.000	79.9131	0.6002	1.39049	32.0916	8.4263	24.9282	24.9267

Station = 76007101
 Date & Time = Aug 23 2002 17:52:17
 Latitude = 49 30.16 N
 Longitude = 126 17.51 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	-1.4470	-0.8899	6.29664	30.4893	17.7964	21.8694	21.8692
8.000	65.2576	1.7573	6.27899	31.3378	13.6966	23.4201	23.4198
12.000	78.8070	3.4956	5.84268	31.3918	11.6546	23.8512	23.8509
16.000	80.8421	4.0984	4.99890	31.4156	10.9761	23.9899	23.9895
20.000	83.8717	3.1597	4.27821	31.4324	10.4640	24.0905	24.0902
24.000	85.8222	1.8824	3.83544	31.4762	10.2219	24.1651	24.1647
28.000	86.5445	1.2921	3.58925	31.5315	10.0415	24.2380	24.2375
32.000	86.6100	0.9965	3.36163	31.5643	9.7543	24.3103	24.3098
36.000	86.5666	0.7792	3.23068	31.6099	9.5567	24.3776	24.3770
40.000	84.6402	0.7053	3.04564	31.6675	9.4542	24.4389	24.4382
44.000	84.6134	0.6244	2.98105	31.7102	9.2549	24.5036	24.5029
48.000	84.8159	0.5953	2.94729	31.7352	9.1427	24.5406	24.5398
52.000	85.4090	0.5832	2.96523	31.7575	9.1209	24.5614	24.5606
56.000	85.9555	0.5794	2.97878	31.8049	9.1687	24.5911	24.5902
60.000	86.0385	0.5726	2.96938	31.8242	9.1393	24.6107	24.6098
64.000	85.6548	0.5709	2.93941	31.8384	9.1185	24.6250	24.6240
68.000	85.0984	0.5672	2.89029	31.8684	9.0333	24.6617	24.6606
72.000	84.2428	0.5545	2.82017	31.9166	8.7343	24.7451	24.7440

Station = 76007201
 Date & Time = Aug 24 2002 11:25:15
 Latitude = 49 23.91 N
 Longitude = 126 12.92 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	-1.1443	-0.8781	6.65970	31.2916	13.7049	23.3827	23.3826
8.000	27.2700	0.6637	6.64610	31.8284	12.8340	23.9692	23.9690
12.000	71.8668	2.8982	6.06460	31.7240	11.8238	24.0783	24.0780
16.000	77.2090	7.2481	5.37494	31.7522	11.2247	24.2081	24.2077
20.000	78.3244	5.8217	5.04375	31.7690	11.0670	24.2488	24.2484
24.000	77.9961	5.5766	4.90974	31.7980	10.9174	24.2975	24.2970
28.000	77.0597	5.7679	4.70017	31.8477	10.6906	24.3754	24.3749
32.000	77.5463	4.1227	4.37906	31.8712	10.5481	24.4180	24.4174
36.000	78.0481	3.4720	4.23228	31.8835	10.4727	24.4404	24.4398
40.000	78.3815	2.5322	3.89379	31.9338	10.2292	24.5206	24.5199
44.000	77.2202	2.0160	3.58717	31.9662	10.0517	24.5754	24.5746
48.000	75.2459	1.6807	3.39819	31.9716	9.9854	24.5905	24.5896
52.000	74.0718	1.3665	3.18812	31.9740	9.9067	24.6053	24.6044
56.000	72.3822	1.3177	3.13537	31.9783	9.8929	24.6109	24.6099
60.000	71.1119	1.3041	3.10201	31.9849	9.8615	24.6212	24.6201
64.000	69.0592	1.3825	3.04646	31.9938	9.8035	24.6376	24.6365

Station = 76007301
 Date & Time = Aug 24 2002 11:54:26
 Latitude = 49 23.38 N
 Longitude = 126 11.24 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	11.4450	2.1065	7.14130	31.1868	13.6102	23.3207	23.3206
8.000	76.2714	10.4829	5.77591	31.4279	12.3796	23.7456	23.7454
12.000	79.9458	5.5370	5.33258	31.5178	12.0139	23.8834	23.8832
16.000	79.1793	5.8945	5.42785	31.5890	11.8102	23.9760	23.9756
20.000	77.0530	7.3388	5.45757	31.6989	11.4001	24.1354	24.1350
24.000	77.8345	6.6014	5.22446	31.7377	11.1994	24.2012	24.2007
28.000	79.6573	4.9609	4.94318	31.7659	11.0525	24.2490	24.2484
32.000	79.8538	4.1367	4.71575	31.8040	10.8697	24.3105	24.3098
36.000	80.1204	3.8598	4.58277	31.8197	10.7820	24.3379	24.3372
40.000	80.0229	3.0890	4.26877	31.8715	10.5237	24.4224	24.4216
44.000	79.7091	2.0535	3.91083	31.9073	10.3260	24.4837	24.4829
48.000	79.1853	1.6861	3.64869	31.9349	10.1598	24.5330	24.5322
52.000	78.6456	1.4495	3.46592	31.9468	10.0768	24.5561	24.5552
56.000	77.7115	1.3126	3.31166	31.9588	9.9924	24.5794	24.5784
60.000	76.5496	1.1908	3.16298	31.9696	9.9105	24.6013	24.6002
64.000	75.9985	1.1517	3.03913	31.9809	9.8155	24.6256	24.6244
68.000	75.6683	1.0325	2.85281	31.9930	9.6924	24.6550	24.6538
72.000	75.2303	0.9590	2.77194	31.9969	9.6345	24.6674	24.6661

Station = 76007401
 Date & Time = Aug 24 2002 12:25:58
 Latitude = 49 23.71 N
 Longitude = 126 9.68 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	56.8197	2.3156	7.02973	31.6669	13.7201	23.6695	23.6694
8.000	70.2992	2.9649	6.70989	31.6189	12.3628	23.8968	23.8966
12.000	73.6295	6.2163	5.32224	31.5427	11.9802	23.9090	23.9087
16.000	75.0489	5.2633	5.15541	31.6161	11.6836	24.0201	24.0197
20.000	74.9298	5.1718	5.10775	31.6623	11.4817	24.0924	24.0919
24.000	74.7093	5.3029	5.09029	31.7216	11.2840	24.1737	24.1732
28.000	75.0647	4.5206	4.73241	31.8048	10.8883	24.3079	24.3073
32.000	75.0413	3.6908	4.48048	31.8390	10.7063	24.3660	24.3653
36.000	75.5454	2.7258	4.17699	31.8781	10.4967	24.4321	24.4314
40.000	75.9536	2.1741	3.98896	31.8914	10.4069	24.4578	24.4570
44.000	75.8437	1.7025	3.80978	31.9113	10.2911	24.4927	24.4919
48.000	74.8234	1.6398	3.66221	31.9256	10.2033	24.5186	24.5177
52.000	74.3743	1.4245	3.48574	31.9454	10.0758	24.5552	24.5542
56.000	75.6241	0.9954	3.09737	31.9719	9.8351	24.6154	24.6144
60.000	75.4647	0.8223	2.84129	31.9873	9.7136	24.6471	24.6461
64.000	74.4928	0.9953	2.75743	31.9936	9.6528	24.6619	24.6608
68.000	73.8546	0.8281	2.71414	31.9958	9.6222	24.6685	24.6673
72.000	73.5626	0.8196	2.67307	32.0012	9.5716	24.6808	24.6796
76.000	73.2139	0.8142	2.62483	32.0093	9.4876	24.7006	24.6993
80.000	73.2995	0.7616	2.54988	32.0224	9.3566	24.7316	24.7303
84.000	73.3605	0.7123	2.47554	32.0325	9.2274	24.7598	24.7584
88.000	73.2021	0.7052	2.44532	32.0384	9.1587	24.7752	24.7738
92.000	70.8518	0.6813	2.41428	32.0540	8.9822	24.8147	24.8133
96.000	69.8954	0.6680	2.40172	32.0606	8.8761	24.8363	24.8347
100.000	69.5562	0.6694	2.40089	32.0631	8.8282	24.8455	24.8439

Station = 76007501
 Date & Time = Aug 24 2002 12:55:07
 Latitude = 49 24.04 N
 Longitude = 126 8.19 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	-1.1830	-0.8903	7.45578	31.0659	14.5103	23.0441	23.0439
8.000	57.1272	12.7602	6.76661	31.2297	13.3411	23.4072	23.4070
12.000	77.0484	7.2372	5.45713	31.4184	12.3251	23.7485	23.7482
16.000	80.1557	4.9784	4.97825	31.5628	11.7239	23.9714	23.9710
20.000	80.8806	3.8885	4.79090	31.6825	11.3285	24.1354	24.1350
24.000	80.4829	4.3407	4.85495	31.7316	11.1696	24.2017	24.2012
28.000	80.6708	3.6986	4.60997	31.8098	10.8493	24.3185	24.3180
32.000	81.2042	3.1535	4.34110	31.8522	10.6263	24.3899	24.3893
36.000	82.4443	2.1143	4.03921	31.8702	10.4857	24.4279	24.4272
40.000	82.5598	1.6332	3.74930	31.9111	10.2512	24.4993	24.4985
44.000	83.2000	1.0889	3.44073	31.9228	10.1205	24.5301	24.5293
48.000	83.6247	0.9510	3.32097	31.9235	10.0868	24.5362	24.5354
52.000	83.3450	0.9191	3.20561	31.9416	9.9773	24.5684	24.5675
56.000	83.1857	0.8010	3.03163	31.9552	9.8582	24.5985	24.5975
60.000	83.4117	0.7289	2.92717	31.9622	9.8054	24.6126	24.6115
64.000	82.5040	0.7633	2.86364	31.9754	9.7553	24.6310	24.6299
68.000	82.3878	0.7466	2.77346	31.9886	9.6634	24.6562	24.6550
72.000	82.2608	0.7170	2.65400	32.0027	9.5535	24.6849	24.6837
76.000	82.3853	0.7102	2.59166	32.0137	9.4491	24.7102	24.7089
80.000	82.6153	0.6621	2.51112	32.0395	9.1917	24.7709	24.7696
84.000	82.6271	0.6351	2.49574	32.0448	9.1157	24.7869	24.7855
88.000	82.4556	0.6286	2.48949	32.0483	9.0648	24.7975	24.7961
92.000	81.8197	0.6258	2.47635	32.0514	9.0197	24.8069	24.8055
96.000	80.8749	0.6287	2.45482	32.0572	8.9417	24.8235	24.8220
100.000	79.8799	0.6284	2.44241	32.0608	8.8831	24.8353	24.8337
104.000	79.0135	0.6311	2.43286	32.0619	8.8521	24.8409	24.8393
108.000	79.2090	0.6152	2.43857	32.0632	8.8254	24.8460	24.8443
112.000	79.1549	0.6264	2.43958	32.0643	8.8042	24.8501	24.8483
116.000	78.8069	0.6147	2.43467	32.0654	8.7813	24.8544	24.8526

Station = 76007601
 Date & Time = Aug 24 2002 13:27:57
 Latitude = 49 24.80 N
 Longitude = 126 7.83 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	25.6045	0.3615	6.88929	31.5522	14.1715	23.4890	23.4889
8.000	73.9415	2.6059	6.34860	31.5322	12.5132	23.8013	23.8011
12.000	80.3746	5.7722	4.98531	31.5210	11.9139	23.9043	23.9040
16.000	81.4958	4.2201	4.69134	31.5832	11.5998	24.0097	24.0093
20.000	82.1893	3.0659	4.42508	31.7239	11.0997	24.2081	24.2076
24.000	82.2184	2.8852	4.38300	31.7432	11.0202	24.2370	24.2365
28.000	82.8646	2.5739	4.37029	31.7920	10.8737	24.3005	24.2999
32.000	82.7328	2.2903	4.28582	31.8304	10.7089	24.3588	24.3582
36.000	83.6406	1.8190	3.99224	31.8682	10.4905	24.4255	24.4248
40.000	83.9436	1.2814	3.72585	31.8925	10.3227	24.4728	24.4720
44.000	83.8647	1.0289	3.41560	31.9214	10.1095	24.5309	24.5300
48.000	83.8354	0.8666	3.20775	31.9327	9.9945	24.5587	24.5578
52.000	83.8616	0.7653	3.06104	31.9395	9.9051	24.5786	24.5777
56.000	83.8807	0.7092	2.99860	31.9411	9.8778	24.5844	24.5834
60.000	83.7417	0.7131	2.95446	31.9511	9.8407	24.5983	24.5972
64.000	83.9863	0.6891	2.88482	31.9636	9.7302	24.6259	24.6248
68.000	84.6430	0.6531	2.85218	31.9726	9.6510	24.6457	24.6446
72.000	84.3639	0.6517	2.71189	32.0011	9.5690	24.6812	24.6800
76.000	84.3177	0.6388	2.63428	32.0139	9.4534	24.7097	24.7084
80.000	84.2327	0.6299	2.57079	32.0284	9.2941	24.7461	24.7448
84.000	84.6128	0.6108	2.55220	32.0337	9.2062	24.7641	24.7627
88.000	84.8483	0.6070	2.54117	32.0377	9.1313	24.7789	24.7775
92.000	84.9997	0.5931	2.53984	32.0462	8.9658	24.8112	24.8098
96.000	83.8098	0.5904	2.52552	32.0541	8.9150	24.8252	24.8237
100.000	82.7352	0.5908	2.50936	32.0582	8.8605	24.8367	24.8352
104.000	82.3629	0.5937	2.50698	32.0596	8.8278	24.8428	24.8412
108.000	82.3856	0.5962	2.51478	32.0600	8.8102	24.8458	24.8441
112.000	82.1284	0.5943	2.50826	32.0618	8.7871	24.8507	24.8490
116.000	81.8560	0.5960	2.50883	32.0634	8.7508	24.8575	24.8557
120.000	82.5995	0.5771	2.55700	32.0625	8.6942	24.8654	24.8635
124.000	83.4467	0.5684	2.64230	32.0636	8.6297	24.8759	24.8740
128.000	82.9131	0.5707	2.63138	32.0649	8.6280	24.8772	24.8753
132.000	82.6054	0.5813	2.60589	32.0675	8.6231	24.8800	24.8780
136.000	81.8809	0.5717	2.54188	32.0710	8.5826	24.8888	24.8867
140.000	83.1204	0.5642	2.51928	32.0722	8.5367	24.8966	24.8945
144.000	82.7499	0.5757	2.44281	32.0763	8.5329	24.9004	24.8982
148.000	81.5043	0.5862	2.35815	32.0821	8.5312	24.9052	24.9029
152.000	80.0356	0.5897	2.27704	32.0846	8.5302	24.9073	24.9050
156.000	79.6121	0.6105	2.24995	32.0855	8.5297	24.9081	24.9057
160.000	79.3929	0.5884	2.23619	32.0855	8.5296	24.9081	24.9057
164.000	79.0632	0.6018	2.20996	32.0873	8.5291	24.9096	24.9071
168.000	78.9724	0.6129	2.17454	32.0888	8.5290	24.9108	24.9082

Station = 76007701
 Date & Time = Aug 24 2002 14:15:06
 Latitude = 49 25.45 N
 Longitude = 126 6.60 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	70.1200	2.3050	6.50643	31.8604	13.9939	23.7633	23.7632
8.000	78.5060	2.5316	5.70817	31.3395	12.8950	23.5791	23.5789
12.000	78.3525	7.3852	5.36263	31.3250	12.5889	23.6264	23.6261
16.000	81.7559	6.0249	4.95944	31.4160	12.1804	23.7737	23.7733
20.000	83.9880	3.1213	4.48477	31.6847	11.2955	24.1430	24.1426
24.000	84.2698	2.1219	4.32491	31.7664	10.9695	24.2639	24.2634
28.000	85.5758	1.1936	3.82085	31.8376	10.5688	24.3883	24.3878
32.000	85.7345	0.8648	3.56343	31.8532	10.4674	24.4178	24.4171
36.000	85.8357	0.7664	3.40716	31.8666	10.3302	24.4513	24.4506
40.000	85.8374	0.6994	3.28590	31.8792	10.1457	24.4920	24.4912
44.000	85.7306	0.6739	3.18026	31.9078	10.0281	24.5337	24.5329
48.000	85.1610	0.6710	3.06771	31.9281	9.8856	24.5729	24.5720
52.000	84.1314	0.6803	2.97605	31.9441	9.8723	24.5876	24.5866
56.000	83.1059	0.7023	2.86419	31.9561	9.8647	24.5982	24.5972
60.000	83.3582	0.6861	2.81277	31.9657	9.8113	24.6144	24.6134
64.000	83.0411	0.6868	2.76062	31.9734	9.7820	24.6252	24.6240
68.000	83.4485	0.6746	2.72974	31.9817	9.6708	24.6496	24.6485
72.000	85.1622	0.6298	2.81318	31.9815	9.4906	24.6784	24.6771
76.000	85.8217	0.6102	2.74245	32.0069	9.4580	24.7034	24.7021
80.000	85.8099	0.5977	2.62639	32.0201	9.2239	24.7507	24.7494
84.000	85.7444	0.5890	2.53016	32.0158	8.9793	24.7853	24.7840
88.000	85.7424	0.5728	2.46641	32.0176	8.8734	24.8030	24.8016
92.000	85.6397	0.5687	2.44224	32.0260	8.8560	24.8122	24.8108
96.000	85.4148	0.5704	2.44886	32.0351	8.8166	24.8254	24.8239
100.000	85.2926	0.5656	2.45790	32.0378	8.7639	24.8355	24.8339
104.000	85.1990	0.5621	2.47209	32.0379	8.7373	24.8396	24.8380
108.000	85.1494	0.5538	2.48945	32.0399	8.6947	24.8476	24.8459
112.000	85.0875	0.5552	2.52974	32.0416	8.6825	24.8508	24.8490
116.000	85.0889	0.5562	2.58058	32.0448	8.6662	24.8557	24.8540
120.000	85.0129	0.5613	2.67425	32.0507	8.6509	24.8627	24.8609
124.000	84.7986	0.5535	2.72296	32.0532	8.6262	24.8683	24.8664
128.000	84.2866	0.5524	2.70638	32.0578	8.5928	24.8770	24.8750
132.000	83.9843	0.5477	2.54647	32.0613	8.5427	24.8872	24.8852
136.000	83.1372	0.5621	2.25943	32.0665	8.5229	24.8942	24.8921
140.000	82.5299	0.5638	2.22706	32.0733	8.5235	24.8994	24.8973
144.000	82.2813	0.5657	2.25225	32.0777	8.5242	24.9028	24.9006
148.000	81.6701	0.5747	2.28040	32.0828	8.5285	24.9062	24.9039
152.000	79.8876	0.5872	2.21001	32.0892	8.5299	24.9110	24.9087
156.000	78.2302	0.6101	2.09718	32.0912	8.5302	24.9125	24.9101

Station = 76007801
 Date & Time = Aug 24 2002 14:46:51
 Latitude = 49 25.55 N
 Longitude = 126 5.11 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	29.5509	0.4977	6.55067	31.5440	14.5227	23.4099	23.4098
8.000	77.9800	2.4764	6.13759	31.4945	12.7074	23.7350	23.7348
12.000	82.0501	4.8292	4.88356	31.4339	12.2408	23.7763	23.7760
16.000	84.9718	2.7823	4.39512	31.5573	11.6699	23.9769	23.9766
20.000	85.0777	1.9731	4.28113	31.6581	11.3062	24.1204	24.1200
24.000	86.2266	1.2896	3.84973	31.7308	10.9408	24.2412	24.2407
28.000	86.3628	0.8638	3.67798	31.7943	10.7112	24.3303	24.3298
32.000	86.1175	0.8368	3.61732	31.8245	10.5713	24.3777	24.3771
36.000	85.7541	0.7719	3.47937	31.8610	10.4722	24.4230	24.4223
40.000	85.7450	0.7298	3.38253	31.8707	10.3348	24.4538	24.4530
44.000	85.6104	0.6969	3.25498	31.8979	10.1374	24.5079	24.5071
48.000	85.1323	0.6774	3.09137	31.9327	9.9724	24.5623	24.5614
52.000	85.1713	0.6580	3.02101	31.9373	9.8545	24.5852	24.5843
56.000	84.5140	0.6575	2.95179	31.9461	9.7916	24.6023	24.6013
60.000	85.6491	0.6452	2.94420	31.9455	9.6496	24.6248	24.6237
64.000	86.2621	0.6135	2.94430	31.9505	9.5150	24.6503	24.6492
68.000	86.2590	0.6071	2.85397	31.9793	9.4590	24.6817	24.6806
72.000	86.0059	0.6045	2.72369	32.0026	9.3223	24.7215	24.7203
76.000	85.8556	0.5992	2.62785	32.0134	9.1956	24.7499	24.7486
80.000	85.6082	0.5833	2.51984	32.0081	9.0135	24.7740	24.7727
84.000	85.1957	0.5799	2.38482	32.0073	8.9273	24.7867	24.7854
88.000	85.1433	0.5773	2.32134	32.0100	8.8763	24.7966	24.7952
92.000	85.0520	0.5715	2.27091	32.0197	8.7783	24.8191	24.8177
96.000	84.7282	0.5658	2.17479	32.0251	8.7288	24.8309	24.8294
100.000	84.7167	0.5658	2.22692	32.0321	8.7198	24.8377	24.8362
104.000	84.8738	0.5661	2.38871	32.0396	8.7068	24.8455	24.8439
108.000	84.6637	0.5699	2.43987	32.0436	8.7081	24.8485	24.8468
112.000	84.6357	0.5624	2.50831	32.0468	8.6801	24.8552	24.8535
116.000	84.4813	0.5629	2.54080	32.0482	8.6524	24.8605	24.8587
120.000	84.2455	0.5620	2.42272	32.0447	8.6169	24.8631	24.8613
124.000	83.0426	0.5665	2.16839	32.0467	8.5740	24.8710	24.8692
128.000	82.1798	0.5835	2.08026	32.0523	8.5622	24.8772	24.8753
132.000	81.3050	0.5852	2.00607	32.0572	8.5571	24.8818	24.8798
136.000	80.9320	0.5826	2.00076	32.0612	8.5463	24.8865	24.8845
140.000	80.8996	0.5787	2.11281	32.0707	8.5317	24.8962	24.8941
144.000	80.8424	0.5855	2.16701	32.0744	8.5296	24.8994	24.8972
148.000	80.9599	0.5670	2.23603	32.0789	8.5300	24.9029	24.9007
152.000	79.8739	0.5906	2.20124	32.0850	8.5295	24.9077	24.9054
156.000	78.9713	0.6040	2.12483	32.0883	8.5294	24.9104	24.9080

Station = 76007901
 Date & Time = Aug 24 2002 15:25:11
 Latitude = 49 25.70 N
 Longitude = 126 3.28 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	-1.1270	-0.8772	6.75531	31.1760	15.1501	22.9938	22.9937
8.000	-1.1270	-0.8772	6.66641	31.9146	12.8137	24.0399	24.0397
12.000	63.3729	2.5715	4.99195	31.5525	12.2030	23.8753	23.8750
16.000	86.1052	2.0637	3.82540	31.5623	11.3649	24.0355	24.0352
20.000	87.6085	0.9839	3.42767	31.6792	10.8698	24.2134	24.2130
24.000	87.8224	0.7581	3.38503	31.7412	10.7044	24.2901	24.2896
28.000	87.7368	0.7007	3.40711	31.7808	10.5318	24.3505	24.3499
32.000	87.1308	0.6708	3.35971	31.8298	10.3664	24.4166	24.4160
36.000	86.6058	0.6924	3.32400	31.8674	10.2955	24.4578	24.4571
40.000	86.1297	0.6826	3.20382	31.8964	10.1084	24.5116	24.5108
44.000	86.5785	0.6611	3.15942	31.8964	10.0285	24.5248	24.5240
48.000	86.7622	0.6386	3.10310	31.9141	9.9537	24.5509	24.5500
52.000	86.4556	0.6363	3.03219	31.9316	9.8774	24.5770	24.5761
56.000	85.9152	0.6433	2.94893	31.9478	9.7967	24.6028	24.6018
60.000	85.9719	0.6249	2.93245	31.9479	9.7066	24.6175	24.6164
64.000	85.8312	0.6246	2.88777	31.9646	9.6286	24.6431	24.6420
68.000	86.4072	0.6060	2.87622	31.9568	9.4296	24.6688	24.6677
72.000	86.3497	0.5964	2.84783	31.9647	9.3416	24.6889	24.6877
76.000	86.1311	0.5905	2.75242	31.9741	9.2240	24.7147	24.7135
80.000	85.3306	0.5806	2.58162	31.9844	9.0994	24.7422	24.7409
84.000	85.1302	0.5790	2.43493	31.9925	9.0074	24.7628	24.7614
88.000	84.6599	0.5749	2.26009	32.0034	8.8943	24.7887	24.7873
92.000	83.9910	0.5746	2.01906	32.0109	8.8016	24.8087	24.8073
96.000	83.7880	0.5701	1.85077	32.0171	8.7378	24.8232	24.8217
100.000	83.6187	0.5702	1.75943	32.0184	8.7191	24.8271	24.8255
104.000	83.2457	0.5689	1.68508	32.0216	8.6929	24.8335	24.8319
108.000	80.6328	0.5792	1.50819	32.0319	8.6430	24.8491	24.8475
112.000	78.5749	0.5926	1.42877	32.0363	8.6237	24.8555	24.8538
116.000	78.5181	0.5982	1.45835	32.0403	8.6085	24.8609	24.8591
120.000	77.5219	0.5965	1.48281	32.0455	8.5929	24.8673	24.8655

Station = 76008001

Date & Time = Aug 24 2002 15:49:50

Latitude = 49 26.43 N

Longitude = 126 2.73 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	68.7757	2.0118	7.06341	31.3093	14.8480	23.1607	23.1605
8.000	72.5325	2.0620	6.73088	31.9732	13.1672	24.0163	24.0161
12.000	82.1138	3.8880	4.77502	31.5987	11.9676	23.9547	23.9544
16.000	85.0641	2.4923	3.74132	31.5827	11.2739	24.0676	24.0672
20.000	87.1898	1.1105	3.37817	31.7698	10.4559	24.3547	24.3543
24.000	87.2042	0.6962	3.29009	31.8007	10.2680	24.4104	24.4099
28.000	87.1350	0.6366	3.24581	31.8343	10.0923	24.4658	24.4652
32.000	87.0955	0.6211	3.20199	31.8618	10.0201	24.4991	24.4986
36.000	87.0668	0.6168	3.15101	31.8868	9.9892	24.5237	24.5231
40.000	87.0910	0.6105	3.12014	31.8921	9.9657	24.5317	24.5310
44.000	86.6186	0.6204	3.06684	31.9193	9.9012	24.5635	24.5627
48.000	86.1188	0.6251	2.99275	31.9369	9.8229	24.5901	24.5892
52.000	86.2820	0.6134	2.95231	31.9438	9.7582	24.6059	24.6050
56.000	86.3719	0.6067	2.94858	31.9426	9.6485	24.6227	24.6218
60.000	86.3521	0.6015	2.94433	31.9422	9.5877	24.6322	24.6311
64.000	86.2059	0.5980	2.92450	31.9451	9.4891	24.6502	24.6491
68.000	85.7142	0.5936	2.89398	31.9477	9.4305	24.6616	24.6604
72.000	85.7186	0.6061	2.84472	31.9561	9.3461	24.6815	24.6803
76.000	85.2865	0.5896	2.72632	31.9694	9.2338	24.7095	24.7083
80.000	84.2544	0.5920	2.53944	31.9859	9.0882	24.7451	24.7438
84.000	80.2047	0.5915	2.21816	31.9987	8.9464	24.7770	24.7756

Station = 76008101
 Date & Time = Aug 24 2002 19:07:26
 Latitude = 49 22.81 N
 Longitude = 126 5.12 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	18.3096	0.1608	6.98233	30.7732	15.1338	22.6873	22.6872
8.000	68.3757	8.8466	6.65942	30.9122	13.9957	23.0312	23.0310
12.000	72.9114	10.7247	5.70750	31.0327	13.2861	23.2658	23.2655
16.000	80.4027	4.2904	5.23542	31.1467	12.9102	23.4269	23.4265
20.000	79.8166	4.7609	5.28109	31.2175	12.7930	23.5042	23.5037
24.000	80.0438	4.4779	5.15399	31.2836	12.5590	23.6000	23.5994
28.000	80.5423	4.0596	5.00513	31.3835	12.2559	23.7344	23.7337
32.000	81.2067	3.3426	4.71756	31.4455	11.9510	23.8389	23.8381
36.000	81.7779	2.9875	4.57889	31.4708	11.8327	23.8802	23.8794
40.000	82.0907	2.7919	4.41701	31.5174	11.6136	23.9561	23.9552
44.000	82.2745	2.3678	4.13134	31.5654	11.3430	24.0418	24.0409
48.000	82.7643	2.0774	4.03979	31.5709	11.3049	24.0529	24.0518
52.000	82.8379	2.0865	4.06328	31.5806	11.3098	24.0595	24.0584
56.000	82.8057	2.1458	3.99775	31.5848	11.2333	24.0763	24.0752
60.000	83.0026	1.8610	3.87855	31.5870	11.1835	24.0869	24.0857
64.000	82.9672	1.9373	3.93714	31.5992	11.1791	24.0971	24.0958
68.000	83.1939	1.7248	3.84536	31.5976	11.1293	24.1046	24.1032
72.000	83.2230	1.5254	3.60349	31.5899	10.9641	24.1275	24.1260
76.000	83.4735	1.2456	3.42943	31.5917	10.8944	24.1410	24.1395
80.000	83.3089	1.1274	3.34465	31.5908	10.8376	24.1501	24.1485
84.000	82.9010	1.0664	3.20443	31.5857	10.7368	24.1635	24.1619
88.000	82.6762	0.9680	3.09542	31.5811	10.6742	24.1706	24.1689
92.000	82.7281	0.9110	3.04343	31.5791	10.6536	24.1726	24.1708
96.000	82.5404	0.9020	3.01232	31.5766	10.6174	24.1768	24.1750
100.000	82.0724	0.8339	2.90620	31.5714	10.5326	24.1872	24.1853
104.000	81.7164	0.7503	2.81144	31.5678	10.4821	24.1930	24.1910
108.000	80.7284	0.7258	2.73253	31.5672	10.4441	24.1989	24.1968
112.000	80.1180	0.7253	2.68009	31.5670	10.4294	24.2012	24.1991
116.000	79.0762	0.7152	2.62146	31.5681	10.4117	24.2050	24.2028
120.000	78.3077	0.7095	2.57754	31.5684	10.4018	24.2069	24.2046
124.000	78.2558	0.7084	2.56038	31.5693	10.3919	24.2093	24.2069
128.000	78.4336	0.7034	2.55344	31.5704	10.3819	24.2118	24.2094
132.000	78.1426	0.6905	2.52283	31.5717	10.3722	24.2144	24.2119

Station = 76008201
 Date & Time = Aug 25 2002 11:36:05
 Latitude = 49 17.91 N
 Longitude = 125 48.67 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	-1.1270	-0.8772	5.30657	29.8588	14.0280	22.2122	22.2121
8.000	-1.1270	-0.8772	4.88376	29.9323	13.6800	22.3382	22.3380
12.000	58.8233	0.6161	4.86314	29.9053	13.6479	22.3238	22.3235
16.000	84.8264	1.4802	5.08473	29.9473	13.6846	22.3489	22.3485
20.000	85.1561	1.3117	5.12508	29.9987	13.6728	22.3910	22.3904
24.000	85.3885	1.1500	5.11349	30.0407	13.6663	22.4247	22.4240
28.000	85.2682	1.0864	5.23813	30.0660	13.6909	22.4393	22.4386
32.000	83.5548	1.4191	5.50244	30.1147	13.6430	22.4863	22.4855
36.000	82.2546	1.7271	5.60863	30.1671	13.6067	22.5340	22.5330
40.000	80.8801	2.2270	5.63837	30.2083	13.5700	22.5731	22.5720
44.000	80.8652	2.3395	5.56940	30.2502	13.5269	22.6139	22.6128
48.000	81.3356	2.0248	5.45433	30.2810	13.4886	22.6452	22.6440
52.000	79.4142	1.7491	-9.99999	30.3721	13.3823	22.7364	22.7351

Station = 76008202
 Date & Time = Aug 25 2002 11:53:46
 Latitude = 49 17.89 N
 Longitude = 125 48.71

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	-1.1270	-0.8772	5.27914	29.8693	13.9204	22.2419	22.2418
8.000	-1.1270	-0.8772	4.85049	29.9626	13.7272	22.3523	22.3521
12.000	56.5032	0.7977	4.96048	29.9489	13.6884	22.3494	22.3491
16.000	84.5711	1.4652	5.13156	29.9394	13.6946	22.3408	22.3404
20.000	85.2399	1.2247	5.11448	29.9747	13.6680	22.3734	22.3729
24.000	85.3865	1.1083	5.12206	30.0243	13.6634	22.4126	22.4120
28.000	85.5254	1.0401	5.19927	30.0768	13.6774	22.4503	22.4496
32.000	84.3992	1.3831	5.49558	30.1119	13.6447	22.4839	22.4830
36.000	82.5785	1.8252	5.59468	30.1670	13.6048	22.5343	22.5334
40.000	81.4477	2.1043	5.62262	30.2090	13.5696	22.5737	22.5726
44.000	81.4763	2.1861	5.53018	30.2612	13.5161	22.6245	22.6234
48.000	81.1658	1.9127	5.37599	30.3097	13.4554	22.6739	22.6727
52.000	77.2000	1.7765	5.10890	30.4032	13.3434	22.7681	22.7667

Station = 76008301
Date & Time = Aug 26 2002 17:25:50
Latitude = 49 6.95 N
Longitude = 125 54.77 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	18.7239	0.1824	7.04977	32.0450	12.3496	24.2296	24.2295
8.000	66.3966	14.8871	7.26692	31.7392	12.1553	24.0289	24.0287

Station = 76008401
Date & Time = Aug 26 2002 17:49:35
Latitude = 49 5.09 N
Longitude = 125 54.58 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4.000	56.5253	1.5108	8.77053	32.0393	12.8967	24.1203	24.1202
8.000	71.9921	3.9303	8.50019	32.0677	11.9849	24.3154	24.3152
12.000	80.7123	6.9606	6.04286	31.8924	10.8561	24.3816	24.3814
16.000	84.0791	2.5477	4.98010	31.8943	10.3175	24.4751	24.4747
20.000	84.1652	2.4018	4.64038	31.9784	10.0474	24.5856	24.5852
24.000	83.9532	2.3012	4.35038	32.0157	9.8776	24.6426	24.6422